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## A DICTIONARY

PRACTICAL, THEORETICAL, AND IISSORICAL

OF

## COMMERCE AND COMMERCIAL NAVIGATION.

IY TIIF: IATE.

## J. R. M‘CULLOCH

of h. m. stationfry officr.

WITH A BIOGRAPIICAL NOTICE BY THE EDITOR.

NEW EDITION,
REVISED AND CORRECTED THROUGHOUT.

EDJTED BY
HUGII G. REID nectetary to mb. m‘ctiloch for, wny 'ybans. - , • : , ; •• $\ldots, \quad \therefore, \therefore \because \because \cdot \cdots \cdot$

LONDON :
LONGMANS, GREEN, AND CO.
1869.
'Though immediately and primarily written for the merchants, this Commercial Dictionary wil: bo of use to every man of buiness or of curiosity. There is no man who is aot in some degree a merchant; who has now something to buy and something to sell, and whis does not therefore want such instructions as may teach him the true value of possessions or commodities. The sescriptions of the producticns of the earth and water which this volume contains, may be equally pleesing and useful to the speculatist with any other Natural Histrry. The descriptions of ports and cities may instruct the geographer as well as if they were found $\ln$ books appropriated only to his own science; and the doctrines of funds, insurences, currency, monopolies, exclanges, and duties, is so necessary to the politician, that without lt lie can be of no use oither in the council or the senate, nor can speak or think justly either on war or trade.

We, therefore, hope that we snull not repent the labour of compiling this work, nor flatter ourselves unreasoanbly, in predicting a favuarable reception to a book which no condition of life can render useless, which may contribute to the advantage of all that make or receive laws, of all tiat buy or sell, of all that wish to keep or improve their possessions, of all that desire to be rich, and ail that desire to be wise.'

Jonsson, Preface to Roll's Dict.


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It will that muel pression; printed th new matte the Russia Mr. Lowe embodied
Wheat, \&

# Preface 

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## THE EDITION OF 1869.

It has been well observed of M'Culloch's Commercial Dictionary, that though it must be continually re-edited, to meet the constant changes of our times, the work is so carefully founded on great principles that the necessity of completely remodelling it can scarcely arise.

The Author, after making the necessary preparations, had actually commened a new Edition of the book a few months before his death; and in completing this task the Editor has, as far as possible, adhered to the Autior's plan and arrangement of the work, and above all has respected, by preserving intact, the expressions of his well-considered and well-known opinions on the various subjects treated of in this Dictionary. For thess opinions, however, the Author, and not the Editor, should be
held resjonsible.

A few articles on subjects with regard to which science must necessarily be progressive, such as those on Acids and Alkalies, have been entirely recast; and many suljects, such as Passponts, Petioleda, Telegrapils, Thansit, de., are introduced to the reader's notice for the first time, under

It will be observed, by those fimiliar with former issues of this work, that much of the very small type has disappeared from the present impression; and, with a view to facilitate reference, this Edition has been printed throughout in double columns. As indicating the freshness of the new matter given in the following pares it may the freshness of the the Russian Tariff of 1869 will be found me noted that extracts from Mr. Lowe's Resolutions affecting the found under Petersburg; and that embodied in the article 'Tarife, Becting the Customs and Inlond Revenue are Wheat, de.

In a work of such extent the Editor has necessarily been iudebted $t$, very many for aid, and to those more especially who have rendered gratuitous assistance he would offer his best thanks. Though it seems almost invidious to distinguish any, where all have so readily afforded valuable information and efficient help, he cannot refrain from expressing his heavier obligations to Mr. Robert Slater of Fore Street (unfortunately since deceased), Mr. Robin Allen, the Secretary, and Mr. Joln Inglis, Assistant-Secretary of the Trinity House; Mr. B. C. Stephenson, Secretary of Lloyd's; Mr. W. S. Lindsay, formerly M.P. for Sunderland; Mr. Thomson, of Messrs. Bell, Ramie \& Co.; and to the Rev. G. W. Cox, M.A., Editor of Brande's Dictionary of Science, de.

The Editor is bound also to acknowledge the aid he has derived from the varieas Commercial Reports of the British Consuls. But it is only just and right that M'Culloch's Commercial Dictionery should have the fullest benefit from this source of $\cdot$ information-for it would appear that it was at the Author's suggestion that Lord Aberdeen called for these Reports in the form and detail which they now exhibit. And it may not be too nuch to say here, that the adoption of Mr. M'Culloch's plan has resulted in the production of that series of accurate, business-like. and instructive documents which have been thought worthy of leing printed, and laid before Parliament.

The Editor, as son-in-law as well as Secretary to the Author, has had ample opportunities of being familiar with his views on many subjects, and as his Secretary acquired considerable experience in the mode of compiling this work by assisting Mr. M'Culloch more or less, from 18.13 downwards, in its tabular and nore nechanical portions.
if. G. R.
Landon: Ma! 1869.

Thove reader, The es countrie comse, for exa abolition Compan, and Chin and She. other mat
The ru materially Russia pa glad to $h$ had to not liberal cha trade and their ruler founded, ar make, in in system.
The grea has necessa not, howeve the different tion at our so ample, so

* There is, it and extensive e barism; or, if $t$ the subjugated $r$ tions and opinion But it ls not to superamumated sy throw, whether i by foreign force, to extend the siph


# PREFACE 

## THE EDITION OF 180.9 .

Thocan in part a reprint, the edition of this Dictionary now laid before the
reader, ha, undergone many alterations, and is, we trust, considerably improved. countries,* and the increase of manufuctures and commerce in almost all course, have rendered chauges narious new and important channels of interfor example, to notice the new essary in most parts of the work. We had, abolition of the Sound Duties; the terminntion with China and Japan; the Company in Iudia; the concinued efllux of the pre the rule of the East India and China ; the introduction of sereral new articious metals to that continent and Shea Butter, into the list of imports; with artes, such as Vegutable Wax other matters.
The rules and regulations, too Russia passed, in 1857, new and comparatively years. The United States and glad to have to state that the greater number moderate tariffs. And we are had to notice in the commercial legislation of for of the changes which we have liberal charaeter. Ii seens, also, reatonable foreign countries, have been of a trade and industry will be more and more to suppose that the freedon of their rulers become better acquainted with the sound, according as nations and fomded, and with the wonderful progress we sound principles on which it is make, in industrial pursuits, since we shook off the made, and are continuing to system,

The shackles of the protective has nacessarily required for theme the the many topics we have had to discuss, not, however, neglected or slurred ove greatest share of our attention. We havo the different matters treated of in the the others, but have enteavoured to set tion at our disposal would permit the clearest point of view that the informaso ample, so recent, nor so precise, as might it is true, has sometimes been neither

[^0]done our best to obriate these defects by resorting to the quarters most likely to be well-informed. And on this, as on other occasions, those to whom we applied, have, with but few exceptions, evinced the greatest readiness, and even anxiety, to give us every assistance in their power. We have noticed some gentlemen to whom we have been indebted at the end of the articles to which they especially contributed; and among these and others, we may specify Sir James Emerson Tennent, and W. M. Buckuall, Esq., of the Board of Trade; Alfred Latham, Esq., Deputy Governor of the Bank of England; Andrew Jamicson, Esq., of the firm of Jamieson, Brothers \& Co. ; R. C. Crosbie, Esq., of Liverpeol; Robert Slater, Esq., of Fore Street, London; Marmaduke Hornidge, E.ri., of the East India House ; W. S. Lindsay, Esq., M.P.; J. A. Messenger, Esq., Inspector-General of Imports and Exports; Dr. Strang, of Glasgow ; John Cruwfurd, Esq., late of Singapore ; ard the very learned bookseller, Nieholus Triubner, Esq., of Paternoster Row. It is only by the assistance of individuals haring cerrect information at their disposal, and of those engaged in different lines of business, in different parts of the world, that a work of this sort can be renderel of any considerable value. No diligence of enquiry can acquire satisfactory information respecting most part of the subjects of which we have had to treat from books and statistical zeturns, even when these exist and are accessible, which is frequently not the case. It can only be acquired by comparing these, or, where they are wanting, supplying their place with the communications of intelligent individuals familiar with the matters referred to.

We would fain hope that there are fewer errors in this than in the previous impressions of this work, and that it will be found to be in various respecis more complete and serviceable. No ordinary amount of labour has been expended upon it. And though the details incident to most part of the sulbjects which it embraces be perpetually changing, the principles by which it is pervaded are, we are well assured, of an enduring character, and will be no less applicable ia the ages that are to come than at present.
**We added to the preface to a former edition of this work the collowing brief notice of one of the most upright and patriotic statesmen that inis country has ever produced. However defective it may be reckened, the place, at least, was not inappropriate for its introcuction. And whatever mutations this book may be destined to undergo, this notice will not, we hope, be displaced, unless it be to make room for one less unworthy of the subject.

- We inay, perhaps, be excused, if, before concluding this notice introductory to a work which he honoured with his approbation, we briefly advert to the irreparable loss which the United Kingdom, and the commercial world generally, have sustained since the publication of our lant edition, in the premature death of Sir Robert Peel. There are but few of the more important topics trented of in this volume in which we have not had to refer to the enlightened and welldigested measures of that great statesman. The maintenance of our old monetary standard, and the sound and comparatively ssi:sfactory state of our bunking system, are mainly a consequence of his exertions. To say that he did more to promote the public well-being, by introducing enlarged and liberal principles into our economical policy, thau any other minister, would be to say little or nothing; for he did more to ferward these great ends than all our other ministers put together, from the Revolution down to the present times. Not
that we mean to say that we equally approve of all his measures, or think that some of them might not have been in some respects amended. But we refer to the spirit which pervaded his policy, its object, and its general influence. Eingland was the centre of his solicitude; but the majority of the measures which he supported and carried, and his great example, have redcunded, and will continue to redound, not to the advantage of this conntry only, but of the world. And hence the deep regret which his death excited in all but the most barbarous nations-" Finis vita ejus amicis luctuosus, patria tristis, extruneis etians iynotisque non sine cura fuit." *
'Though slow to change an opinion or system of policy, he had none of that miserable pride or partisan bigotry, whieh so often passes for principle, that disdains to profit by experience, and is above the acknowledgment of an error. He was at all times ready to inquire, and open to conviction. And whenever he had fully satisfied himself that it was necessary, to promote or secure the public welfare, that he should abandon an old or adopt a new course, he did so at once. The moment he was impressed with that conviction, all doubts and difliculties vanished from his mind. His duty to his country absorbed every other consideration. Neither the taunts of opponents nor the desertion of friends could influence his resolution. And he spared no efforts, and shrunk from no sacrifice, how ver unparalleled, to accomplish his patriotic purposes. Other ministers have equalled, and a few may perhaps have surpassed, Sir Robert l'eel in ability. But he stands foremost among British statesmen for disinterestedness; and for a determination to support and advance, at whatever cost to himself, winat he believed to be the lasting and real interests of the community.
*Taciti Vit. Agricol. c. 43.


# PREFACE 

THENECOND EDITION.

Tine first impression of this Dic ionary, conssting of $\mathbf{2 , 0 0 0}$ copies, was entirely sold off in less than nine months from the date of its publication. We feel very deeply indebted to the public for this unequivocal proof of its approbation ; and we have endeavoured to evince our gratitude, by labouring to render the work less mudeserving a contimuance of the farour with whieh it has been honoured. In the prosecution of this object, we have suljected every part of it to a careful revision ; have endeavoured to eradicate the errors that had escaped our notice; tw improve those parts that were ineomplete or defective; nud to supply such articles as had been omitted. We dare not flatter ourselves with the idea that we have fully succeeded in these oljects. The want of recent and accurate details as to several important subjects, has been an olstacle we have not, in all cases, been able to orercome; but those in any dearee familiar with such investigations will mot, perhap, be disposed severely to censure our deficiencies in this respect.

The changes in the law bearing npon commercial transactions have been carelully specified. Copions abstracts of the late Customs Aets ure contained in the articles Colonies ann Colony Trame, Laporintion and Exportation, Nimgaton Laws, Registry, Satgemeg, Wammousing ©e.

The abolition of the Last India Company's conmercial monopoly, an:l the great and growing intersat * that has in consequence been excited amongst all classes respecting the commercial capabilities mind practices of India, China, and other Gastern comotries, have made us bestow peculiar attention to this department. The articles Banginok, Bamini, Bominy, Besimme, Busomai, Calcutta, Cinton, Columb, East lida Compiny and East Indise, Indigo, Macao,
 Sisampore, Tatri, Tea, ©e contain, it is believed, a greater mans of recent and well-authenticated details as to the commeree of the vast countrics stretching from the Arabic Gulph to the Chinese Sen, tham is to be found in mether Engrish publication.

The article Banaing is mostly new. Besides embodying the late Act prolonging the charter of the Dank of England, and the more important details given in the licport of the Select Committee on the Renewal of the Bumk Charter, this mrticle cortains some novel and important information not elsowhere to be met

[^1]with.
lished, the first account from 16 We have business tional pa

We hs descripti the histo will be ff
The G emporiun perhaps, dicament, The sort not be d and it w? wo drew exports, might be however, with the wonld ha interferenc queries pr transmitte been recei of course, ellubody a with a deg servation,

The inf but not le twice the of enlurgin, lesides mi nature and instances, the entry publice chat duties on the regulat a variety o specified th with the ru As it is ver description, about a doz more than

[^2]with. No account of the issues of the Bank of Eugland has hitherto been published, that extemls firther back than 1777. But this deficiency is now, for the first time, suplied; the lirectors having obligingly furnished us with an account of the issues of the Bank on February 28 and August 31, of each year, from 1698, within four years of its establishment, down to the present time. We have also procured a statement, from authority, of the mode of transacting business in the lauk of Scotland; and have been able to supply several additional particulars, both with respect to British and to foreign banks.

We have made many additions to, and alterations in, the numerous articles descriptive of the various commodities that form the materials of commerce, and the historical notices by which some of them are accompanied. We hope they will be found more accurate and complete than formerly.

The Gazetteer department, or that embracing accounts of the principal foreign emporiums with which this comitry maintains a direct intercourse, was, perhaps, the most defective in the old edition. If it be no longer in this predicament, the improvement has been principally owing to ollicial co-operation. The sort of information we desired as to the great sea-port towns could not be derived from books, nor from any sources accessible to the public; and it was necessary, therefore, to set about exploring others. In this view wo drew up a series of queries, embracing an investigation of imports and exports, commercial and shipping regulations, port charges, duties \&c., that might be transmitted to any port in any part of the world. There would, however, in many instances, have been much difliculty in getting them answered with the requisite care and attention by private individuals; and the scheme would have had but a very partial success, had it not been for the friendly interference of Mr. Poulett Thomson, Alive to the importance of having the queries properly answered, he undertook to use his influence to get them transmitted to the Consuls. This was accordingly done; and answers have been received from the greater number of these functionaries. There is, of course, a considerable inequality amongst them ; but for the most part they embody a good deal of valuable information, and some of them are drawn up with a degree of skill, and display an extent of research and a capacity of observation, that reflect high credit on their authors.*

The information thus obtained, added to what we received through other but not less authentic clannels, supplied us with the means of describing twice the number of fereign sea-ports noticed in our former edition; and of enlarging, amending, and correcting the accomins of such as were noticed. Besides much fuller details than have ever been previonsly published of the mature and extent of the trade of many of these places, the reader will, in most instances, find a minute account of the vegulations to be observed respecting the entry and clearing of ships and goods, with statements of the different public charges laid on shipping, the rates of commission and brokerage, the duties on the principal goods imported and exported, the prices of provisions, the regulations as to quarantine, the practiee as to credit, banking \&e., with a variety of other partieulars. We have also described the ports; and have specified their depth of water, the course to be steered by vessels on entering, with the rules as to pilotage, mid the fees on aceomet of piluts, light-houses dic. As it is very diflicult to convey a sufliciently distinct iden of a sen-port by any description, we have given plans, taken from the latest and best antherities, of about a dozen of the priu ipul foreign ports. Whether we have succeeded, is more than we cim venture to say ; but we hope we have said enough to satisty

[^3]the reader, that we have spared no pains to furnish him with authentic information in this important department.

The Tariff, or Table of Duties on Imports, \&c., in this edition, is peenliarly valuable. It is divided into three columns: the first containiug an account of the existing duties payable on the importation of foreign products for home nse, as the same were fixed by the Act of last year, $\mathbf{3 \& 4} \mathbf{4 W m}$. IV. c. 56 ; the next column exhibits the duties payable on the same articles in 1819, as fixed by the Aet 59 Geo. III. c. 52 ; and the third and last column exhibits the duties as they were fixed in 1787 by Mr. Pitt's Consolidation Act, the 27 Geo. III. c. 13. The duties are rated throughout in Imperial weights and measures; and allowances have been made for differences in the mode of charging, \&e. The reader has, therefore, before bim, and may compare together, the present customs duties with the duties as they stood at the end of the late war, and at its commencement. No similar Table is to be met with in any other work. We are indebted for it to J. D. Hume, Esqq, of the Board of Trade, at whose suggestion, and under whose direction, it has been prepared. Its compilation was $a$ work of mueh labour and difficulty ; and could not havo been accomplished by any one not well aequainted with the Customs Acts, and the variens changes in the mode of assessing the duties.

On the whole, we trust it will be found that the work has been improved throughout, either by the correction of mistakes, or by the addition of new and useful matter. Still, however, we are well aware that it is in various respects defective ; but we are not without hopes that those who look into it will be indulgent enough to believe that this has been owing as much to the extreme difficulty, or rather, perlaps, the impossibility, of obtnining accurate information respecting some of the subjects treated of, as to the want of care and attention on our part. Even as regards many important topies connected with the commeree and manufactures of Great Britain, we have had to regret the want of authentic details, and been obliged to grope our way in the dark. The condition and labits of the English and Scoteh are so very different from those of the Irish, that conclusions deduced from considering the trade or consumption of the United Kingdom en masse, are frequently of little value; and may, indeed, unless carefully sifted, be the most fallucious imaginable; while, owing to the want of any account of the cross-channel trade between the two great divisions of the empire, it is not possible accurately to estimate the consumption of either, or to obtain any sure means of judging of thẹir respective progress in wealth and industry. As respeets manufactures, there is a still grenter deficiency of trustworthy details. But the artieles relating to them in this work having been submitted to the highest practical authorities, we ineline to think they are about as aceurate ns they can well be rendered.
The statistical Tables published by the Board of Trade embrace the substance of hundreds of accounts, scattered over a vast mass of Parliamentary papers. They seem to be compiied with great care and judgment, and are a very valuable acquisition. We have frequently been largely indebted to them. But their arraugement, and their constantly increasing number and bulk, make them quite unfit for being readily or advantageously consulted by practieal men. Most part of the returns relating to the prineipal articles given in this work go back to a mueh more distant period than those published by the Board of 'Trade.

We have seen no reason to modify or alter any principle of commercial policy advanced in our former edition. In some instances, we have varied the exposition a little, but that is all. In every case, however, we have separated the practical, legal, and historical statements from those of a speculative nature; so that those most disposed to dissent from our theoretical notions will, we hope,
be ready to admit that they have not been allowed to detract from the practical
utility of the work. The maps given.
otherwise improved. Exclusiver edition have been partially re-engraved, and edition contains two new maps: of the plans already referred to, the present railroads of Great Britain and Ireland ; completed and proposed canals and position of the different lighthouses, \&c.; ; the oxhiting, also, the coal-fields, tho the rivers Mersey and Dee, and the country frother map exhibits the mouths of emporiums lines of communication between these twool to Manclester, with

We are under peculiar taken to render them aceurate great and flourishing geutlomen in the peculiar obligations to nany officiarate.
tions. We hardly ether countries, who have favoure mercantile, and private for any information cer applied to anyone, however mued us with communicafurnish. We have coming within his department muel engaged in business, concealment. Most indirid met with any mystery, conchich he did not readily and several gentlenen hiduals seemed disposed to tell articles in this work, for whe taken a degree of trouble with that they lnew;

# PREFACE 

## TO

THE FIRSTEDITION.

Ir has been the wish of the Author and Prablishers of this Work, that it shouid be as extersively useful as possible. If they be not deceived in their expectations, it may be advautureonsly omployed, as a sort of cade mecum, by merehants, traders, ship-owners, and ship-masters, in conducting the details of their respective businesses. It is hoped, however, that this object has been attained without onitting the consideration of any topic, incident to the subject, that seemed calculated to make the book generally serviceable, and to recommend it to the attention of all classes.
Had our object been merely to consider commerce as a seience, or to investigrte its principles, we should not have alopted the form of a Jictionary. But commerce is not a science only, but also an art of vast practical importance, in the prosecution of which a very large proportion of the population of every civilised country is actively engraged. Hence, to be generally useful, a work on commerce should combine practice, theory, and history. Different readers may resort to it for diflerent purposes; and everyone should be able to find in it clear and aceurate information, whether his object be to make himself familiar with details, to acquire a knowledge of prineiples, or to leam the revolutions that have taken place in the various departments of trade.
The following short outline of what this Work contains may enable the reader to estimate the probability of its fulfilling the objects for which it has been intended:-

1. It contains accounts of the various articles which form the subject matter of commercial transactions. To their English names are, for the most part, subjoined their synonymous appellations in French, German, Italian, Russian, Spanish S.e.; and sometimes, also, in Arabic, Hindoo, Chinese, and other Fastern languares. We have endeavoured, by consulting the best authorities, to make the descriptions of commodities as accurate as possible; and have pointed out the tests or marks by which their goodness may be ascertained. The places where they are produced are also specified; the quantities exported from such places; and the different regulations, duties \&e. affecting their importation and exportation, which have been carcfully stuted, and their influence examined. The prices of most articles have been given, sometimes for a lengthened period. Historical notices are inserted illustrative of the rise and progress of the trade in the most important articles; and it is hoped that the intormation embodied in these notices will he foumd to be as authentic as it is interesting.
II. The Work contains a gemeral artiele on Commames, explanatory of itnature, principles, mul objects, und embrauing an rupury into the policy of restrictions intemded to promote industry at homr, ir to alvanee the pulliar interests by exchading or restruining foreign competition. Lixclusive, however, of this general article, we have separately examined the npration of the existing restrictions on the trade in particular articles, and with particular conntries, in the aceounts of those articles, and of the great sea-port towns belonging to the countries referred to. There must, of course, be more ur lesis of samenoss in the discussion of such points, the primiple which runs throurh them being identical. But in a Dictionary this is of no consoquence. 'ther realor seldom consults more thun one or two articley at a time; and it is of infinitely moro importane to bring the whole sulyect at once before him, than to seek to avoid the uppearance of repetition by referring from one artiele to another. In this Work such references are mate its seldom as pussible.
III. The articles which more purticularly reler to commercial navigation ure
 (Mhene), Master, Nivieation Lahs, Owners, Reahtry, Shlyme, Selmen, Shins, Tonnage, Wreck \&e. Thesy articlea embrace a pretty full exposition of the law as to shipping: we have particularly endeavoured to exhilit the privilages enjoyed by British ships; the ennditions und formalities, the observance of which is necessary to the acquisition and preservation of such privilerres, and to the transforence of property in ships; the responsibilitio. incurred by the masters and owners in their eaparity of pablic carrieys; and the reciprocal duties mid obligations of owners, masters, and semmen. In this department, we have made considerable use of the trentise of Lord Tenterden on the Law of Shipping-n work that does honow to the learniug and talents of its noble author. The Registry Act and the Navigation Aet are given with very little abridgment. To this head may also be referred the articles on the Cod, Membing, Phenamo and Wulae fisheries.
IV. The principles and practice of commereial urithmetie and accomnts are mufolded in the artieles Book-heepina, Discoont, Dxeminge, Intremar and Anncitips dc. The article look-hebping has been furnished by one of the oflicial assignees under the new Bankrapt Act. It exhibits a view of this important art na actunlly practised in the most extensive mercantile houses in town. The tables for calculating interest and amuities are believed to be more complete than any hitherto given in any work not treating professedly of such subjects.
V. A considerable class of articles may be regarded as deseriptive of the various means and devices that have heen fallen upon fur extending amu facilitating commerce and navigation. Of these, taking them in their orter, the articles Banks, Brokers, Bluyn, Cinala, Caravans, Carriers, Cuins, Colonies, Companirs, Consuls, Convoys, Docks, Fictors, Fitrs and Markets, Lithit-houses, Money, Partyrisilip, Photage, Post-Office, Rahe-koads, Roads, Theatifs (Comahrelal), Weigits and Manseres \&e. are unong the most important. In the article Banks, the remder will find, besides an exposition of the principles of banking, a pretty full account (derived principally from officina sources) of the Bank of England, the private banks of London, and the linglish provincial banks; the Scoteh and Irish banks; and the most celebrated foreign banks: to complete this departnent, an account of Savings' Banks is subjoined, with a set of rutes which may be taken as a model for such institutions." There is auded to the article Corss, a Table of the assay, weight, and sterling value of the principal foreign gold and silver coins,

[^4]deduced from assays made at tho London and Paris Mints, taken, by permission, from the last edition of Dr. Kelly's Cambist. The article Colasies is one of the must extensive in the work: it contains a sketch of the ancient and modern syatems of colonisation ; an examination of the prineiples of coloninl policy; and a view of the extent, trade, population, and resources of the wolonies of this and other countries. In this article, and in the articles Cape of Gooo Hore, Columio, Llalifax, Qemac, Sydney, and Van Dimen's Lanb, recent and authentic information is given, which those intending to emigrate will find worth their attention. The map of the British possessions in North America is on a pretty large scale, and is second to none, of those countries, hitherto published in an accessible form. The article Colontes is also illustrated by a map of Central amerifa and the West Indies. An engraved plan is given, along with the article Docks, of the river Thames and the doeks from Bhackwall to the Tower; and the latest regrulations issued by the different boek Companies here and in other towns, as to the docking of ships, and the charges on that aceount, and on necount of the loading, unloaling, warehousiur. Ec. of goods, are given verbatim. The statements in the articles iigur-minespa and limotage have been montly furnished by the Trinity IIouse, or derived from papers printed by order of the Admiralty, and may be implicitly relied upon. In the artiele Weiguts and Measures the reader will find tables of the equivalents of wine, ale, and Winchester mensures, in Imperial mensure.
VI. Besides a general artiele on the eonstitution, advantages, and disadrantages of Companies, accounts are given of the prineipal associations existing in Great britain for the purpose of eonducting commercial undertakings, or undertakings subordinate to and connected with commeree. Among ethers (exclusive of the Banking and lock Compunies already referred to) may be mentioned the East India Company, the Gay Companips, the Inscrance Companiss, tho Minina Companiea, the Watra Companies, \&c. The articles on the East India Company is of considerable length; it contains a pretty eomplete sketch of the rise, progress, and present state of the British trade with India; an estimate of the influence of the Compmy's monopely; and a view of the revenue, population \&c. of our Indian dominions, We have endeavoured, in treating of insurance, to supply what we think a desideratum, by giving a distinct and plain statement of its principles, and a brief notice of its history; with an necount of the rul.s and practices followed by individuals und companies in transacting the more importnnt departments of the business; and of the terms on which houses, lives \&c. are commonly insured. The part of the article which peculiarly respects marine insurance has been contributed by a practical gentleman of much knowledge and experience in that branch.
VII. In addition th the notiees of the Excise and Customs regulations nffecting particular commentities given under their names, the reader will find artieles urder the head of Customs, Exctse, Importation and Eifortition, Licensps, Smugleng, Warehocsivg \&c. which comprise most part of the practical details belonging to the business of the Excise and Customs, particularly the latter. Tho most important Customs Acts are given with very little abridgment, and being printed in small letter, they occupy comparatively little space. The article Taripf contains an account of the various duties, drawbacks, and bounties, on the importation and exportation of all sorts of commodities into and from this country.-We onco intended to give the tariffs of some of the principal Continental states; but, from tho frequency of the changes made in then, they would very soon have become obsolete, and would have tended rather to mislead than to instruct. But the reader will notwithstanding
find a good denl of information reapecting fureign daties under the anticles Camb, Ihare, Naples, New Yobk, Thaste ©e.
VIII. Among the articles of a misecllamons leseription, may be specibed Abens, Apmenter, Aucthnebit, Bhance of Thabe, Banheupter,




 System ©e.
IN. Accoants are given, under their proper heads, of the prineipal emprimus with which this enmutry has any immediate intercourse; of the commodities nsually exported from nad imported into them ; of their moneys, weights, and mensures; .and of sueh of their institutions, customs, and rerulations, with respect to commereo and marigation, ns seemed to dererve notice. Thero are occasiomally subjoined to these accounts of the great seaports, pretty full statements of the trade of the commeries in which they are situated, as in the instances of Adexindma, Ampembar, Bombaex, luenos Aybes, Cadi\%, Cabecta,


 To have attempted to do this systematically weuld have increased the size of the Work beyond all reasonable limits, and embarrassed it with detnila nowise interesting to the Einglish reader. Tho phan we have adopted has cuabled us to treat of such matters as might be supposed to be of importance in Eughand, and to reject the rest. We believe, however, that, notwithstanding this selection, those who compare this work with others, will find that it contains a much larger mass of nuthentic information respecting the trade and navigation of foreign countries than is to be found in any other English publication.

The reader may be inclined, perlaps, to think that it must be impossible to embraco the discussion of so many subjects in a single octavo volume, without treating a large propartion in a very brief and unsatisfactory manner. lhut, in point of fact, this single octave contains about ns much letterpress as is contained in two ordinury folio volmmes, and more than is contaned in Marnherson's Amals of Commerce, in four large volumes quarto, published at 8l. 8s.! This extramelinary condensation has been eflected without any sacritice of beauty or distinctness. Could we suppose that the substance of the book is at all equal to its form, there would be little room for doubt as to its success.

A ware that, in a work of this nature, accuracy in matters of fact is of primary importance, we have rarely made any statement without mentioning our anthority. Except, too, in the case of books in every one's hands, or Dictionaries, the page or chapter of the works referred to is generally specified; experience having taught us that the convenient prictice of stringing together a list of authorities at the end of an article is much oftener a clonk for ignorance thau an evidence of research.

Our object being to describe articles in the state in which they are offered for sale, we lave not entered, except when it was necessary to give precision or clearness to their description, into any details as to the processes followed in their namufacture.

Besides the maps already noticed, the work contains a map of the world, on Mercator's projection, and $n$ map of Central and Southern Lurope and the

[^5]Meditermean Sca. These maps ure on a larger scale than thoso usunlly given with works of this sort ; and have been carefully corrected, and compared with the best authorities.

Such is a rough outline of what the reader may expect to meet with in this Dictionary. We do not, however, flatter ourselves with the notion that he will consider that all that has been attempted has been properly executed. In a work embracing such an extreme range and diversity of subjects, respecting. many of which it is exceedingly difficult, if not quito impossible, to obtain accurate information, no one will be oflended shonld he detect a few errors. At the same time we can atlirm that neither labour nor expense has been spared to entitle the Worl to the public confidence and patronage. The author has been almost incessantly engaged upon it for upwards of five years; and he may bo said to have spent the previous part of his life in preparing for the undertaking. He has derived valuable assistanen from some distinguished official gentlemen, and from many eminent merchants; and has endearoured, wherever it was practicable, to build his conclusions upon offieial documents. But in very many instances he has been obliged to adopt less authentic data; and he does not suppose that he has had sargacity enough always to resort to the best authorities, or that, amidst conflicting and contradictory statements, he has uniformly selected those most worthy of being relied upon, or that the inferences he has drawn are always such as the real circumstances of the case would warrant. But he has done his best not to be wanting in these respects. Not being engaged in any sort of business, nor being under any description of obligation to any political party, there was nothing to inluce us, in any instance, to conead or persert the truth. We have, therefore, censured freely and openly whatever we considered wrong; but the grounds of our opinion are uniformly assigned; so that the reader may nlways judge for himself as to its correctness. Our sole object has been to prodice a work that should be generally useful, particularly to merchants nud traders, and which should be creditable to ourselves. Whether we have succeeded, the award of the public will show; and to it we submit our labours, not with 'frigid indifference,' but with an anxious hope that it may bo found we have not misemployed our time, and engraged in an undertaking too vast for our limited means.

The following notices of some of the most celebrated Commercial Dictionarics may not, perhaps, be macceptable. At all events, they will show that there is at least room for the present attempt.

The Girand Dictionnaire de Commere, berrun and principully executed by M. Savary, Inspector of' Customs at Puris, and completed by his brother, tho Able Sevary, Canon of St. Mamr, was published at Paris in $17 \cong 3$, in two volumes folin: a supplemental volume being added in 1730. This was the first work of the lind that appeured in modem Europe: and has furnished the prineipal part of the materials for most of thuse by which it has been followed. The undertakiny was liberally patronised by the French government, who justly considered that a Commereial Dictionary, if well executed, would be of national inportance. Hence a considerable, and, indeed, the most valuable, portion of suvary's work is eompiled from Memoirs sent him, by order of provermment, by the inspectors of manufactures in Frunce, and by the French consuls in foreign comtries. An enlareed edition of the Dictiomuire was published at (ieneva in lono, in six tolio vomes. But the best edition is that of Copenharen, in fire volumes folio; the first of which appeared in 1759 , and the last in 1705.

More than the haff of this work consists of matter altogether foreng to its

[^6]proper object. It is, in fact, a sort of Dictionary of Manufactures as well as of Commerce; deseriptions being given, which are, necessarily perhaps, in most instances exceedingly incomplete, and which the want of plates often renders unintelligible, of the methods followed in the manufacture of the commodities described. It is also filled with lengthened articles on natural history, the bye-laws and privileges of different corporations, and a varioty of subjects nowise connected with commercial pursuits. No one, however, need look into it for any development of soumd principles, or for enlarged views. It is valuable as a repertory of facts relating to commerce and manufictures at the commencement of last century, collected with laudable care and industry; but it is perraded by the spirit of a customs officer, and not of a merchant or a philosopher. •Sourent dans ses réflexions, il tend plutôt à égarer ses lecteurs qu'à les conduire, et des maximes nuisibles au progrès du commeree et de l'inelustrie obtiement presque tonjours ses éloyes et son approbation.'

The preceding extract is from the l'rospectus, in one volume octavo, published by tho Abbe Morellet, in 1769, of a new Commereial Dictionary, to be completed in five or probably six volumes folio. This l'rospectus is a work of sterling merit; and from the acknowledred learning and talent of its author, and his eapacity for laborious exertion, there can be no doubt that, had the projected Dictionary been completed, it would have been infinitely superior to that of Savary. It appears (Prospectus, pp. 353-373) that Morellet had been engaged for a number of years in preparations for this great work; and that he had amassed a large collection of books and manuscripts relative to mational economy, and the commerce, navigation, colonies, arts, \&c. of France and other countries. The enterprise was begun under the auspices of M. Trudaine, Intendant of Finance, and was patronised by Messrs. L'Averdy and Bertin, Comptrollers General. But whether it were owing to the gigantic nature of the undertaking, to the author having become too much engrossed with other pursuits, the want of sufficient encouragement, or some other cause, no part of the proposed Dictionary ever appeared. We are ignorant of the fate of the valuable collection of manuseripts made ly the Abbe Morellet. His books were sold at Paris within these few years.

A Commercial Dictionary, in three volumes 4to, forming part of the Encyclopéfic Méthodique, was published at Paris in 1783. It is very unequally executeú, and contaius numerous articles that might have been advantageously left out. The editors acknowledge in their Preface that they have, in most instances, been obligel to borrow from Sarary. The best parts of the work are copied from the edition of the Traité Général chu Commeree of Ricard, published at Amsterdam in 1781, in two volumes 4to.*

The earliest Commercial Dietionary published in Eugland was compiled by Malaehy lostlethwayt, Esq., a diligent and inclefatigable writer. The first part of the first edition appeared in 1751 . The last edition, in two enormons folio volumes, was published in 1774. It is chargeable with the same defects as that of Sarary, of which, indeed, it is for the most part a literal translation. The author has made no offort to condense or combine the statements under different articles, which are frequently not a little contradictory; at the same time that many of them aro totally uncomected with commerce.

In 1761, lichari Rolt, lisf, published a Commercial Dietionary in one pretty larpe folio volume. The best part of this work is its Preface, which was contributed by Dr. Johnson. It is for the most part abridged from Postlethwayt; but

[^7]it contains some useful articles purloined from other works, mixed, howerer, with many nien to the subject.

In 176e, a Commercial Dictionary was published, in two rather thin folio volumes, by Thomas Morti: er, Jirf, at that time Vice-C'onsul for the Netherlands. This is a more commodious and better arranged, but not a more valuable work than that of Poutlethwayt. The phan of the anthor embraces, like that of his predeenssors, too great a varicty of oljects; more than hall the work heing filled with geographical articles, and artiches describing the processes carried on in different departments of mannfacturing industry : there are also articles on very many subjects, such as architecture, the natural history of the ocean, the land-tax, the qualifications of surgeons, se., the relation of which to commeree, narigation, or manufuctures, it seems diffienlt to discover.

In 1810, a Commercial lictionary was published, in one thick octavo volume, purporting to be ly Mr. Mortimer. We understam, however, that he had but little, if any thing, to do with its compilation. It is quite unworthy of the subject, and of the epoch when it appeared. It has all the fanlts of these by which it was preceded, with but few peenliar morits. laing not only a Dictionary of Commeree and Naviration, but of Mannfactures, it contains aceounts of the different Arts: but to deseribe these :-1 a satisfictory and really useful mamer, would refuire several volumes, and the co-operation of many individuals: so that, while the aceounta referred to are worth very little, they oceupy so larre a space that room has not been left for the proper discussion of thoso subjects from which alone the work derives whatever value it possesses. I there is an article of twenty-two pages teehnically describing the varions processes of the art of painting, while the general article on commeree is comprised in less than teo pares. The articles on coin and money do not together occupy four pares, being considerably less than the space allotted to the articles on engraving and etehing. There is not a word said as to the circmmstances which determino the course of exelange ; and the important subject of credit is disposed of in less than tico lines! Perhaps, however, the greatest defect in the work is its total want of any thing like seience. No attempt is ever made to explain the prineiples on which any operation depends. Every thing is treated as if it were enipirical and arbitrary. Exeept in the leral articles, no authorities are quoted; so that very little dependence can be phaced on the statements adranced.

In another Commercial Dictionary, republished within these few years, the general article on commerce consists of a disinssion with respect to simple and compound demund, and simple and double comprtition: luckily the articlo does not fill quite a page; being considerably shorter than the description of ta kaleidoscopo.

Under these circumstances, we do think that there is room for n new Dict: mat: : of Commerce and Commercial Naviyation: and whatever may be thought of our Work, it eamot be said that in bringin!; it iuto the field we are eneroaching on ground already fully occupied.

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## BIOGRAPHICAL NOTICE.

Jom Ramsir McCellocu, author of The Commercial Dirtionary, and many other well-known works, economical and statistical, was the eldest son of Mr. William MeCulloch, and was born at Whithorn in Wigtownshire on March 1, 1789.

His father, the eldest son of Edward McCulloch of Aueliengrool, a small landed proprietor in the stewartry of Kirkeudbright, died in Mr. Meculloch's infancy, and the latter laving suceeded to his paternal property at a very early age, was reared and partly educated by his maternas grandiather, the Lev. Dr. James Laing, minister of the parish of Glasserton in Wigtowushire. LIe has described his gramelfather, Dr. Laing, as a good elassical scholar, and one who hat a high relish for the beaties of literature, ancient and modern. In h's library, which wats extensive and valuable, Mr. Meculloch early acquired that passion for books which remained with him thronghont life.

LIis mother having remarried, Mr. MeCulloch resided with her and her husband, Dr. Dempster, at Kimross, and attended a school in that town for a few years. About 180: he removed to Edinburgh, and commenced his studies at the University in that eity. Among other elasses, he attended thinse of Sir John Leslie, and Dr. Thomas Brown the metaphysician. His açuaintance with Iastic ripened into a lasting friendship, and he describes Sir John (in his Cutalnyue afterwards alluded to) as 'liberal in his views, of a social disposition, good-tempered, and without either artifice or pretence;' but of brown he speaks somewhat disparagingly: 'J attended a couse of Brown's lectures, which were nearly identical with those that were afterwards published; and whoever looks into the latter may casily image of what use such a course would be to a pared of yomg men, who were neither permitted to take notes nor examined to ascertain whether they knew anything of what they had heard. Thee procecling, in truth, was little better than a firce. $\Lambda$ few student: of supcrior talent, or having a taste for metaphysical researeh, might perhaps derive some little advantare from their attendance on brown ; but ninetenths of his natarers would have profited guite as much by the greater number of the lectures, had he delivered them in (ireek.' It would seem that Mr. MeCulloch was originally intended for, il he did not choose, the profession of the law, and (as is usual in Scotlani noder such circumstances, whatever ma:y be the branch for which the legal student is in-
tended) he entered the office of : Writer to the Signet or solicitor, to acyuire the necessary practical knowledge of forms and details. But he quiekly evinced a distaste for these minutia, which generally prove unattractive to the young. Speaking of himself, he confesses, 'I had carly the advantage, or distdvantage, I do not venture to say which, of being left to follow those studies, and read those hooks which I preferred, and to chalk out pursuits for myself.' So he forsook the law for a more congenial study, and eventually gave his almost undivided attention to that branch of science which he has done so much to advance and illustrate.

Mr. McCulloch took an ardent interest in the politics of the day. It may be said of him, as Sydney Smith said of Francis Horner, 'IIe loved truth better than he loved Dundas, at that time the tyrant of Scotland.' For though Liberalism was by no means so safe or profitable a profession of faith as it has been in our time, and political courage in tho North was, in the early part of the century, at a very low ebb, he unhesitatingly joined the party of progress, and was one of the most formidable assailants of the faction which then domineered over that part of the empire. The recollection of the party heat and bitterness prevalent about the commencement of his career, was often a fruitful source of anecdote and amusement to him in his latter days. In 1817 he became a contributor to and shortly afterwards editor of the Scotsmen newspaper; $a^{-1} d$ in it gave fearless and foreible expression to his riews, chiefly in support of measuses which, though really necessary for the safety of the country, were little to the taste of those in power at the time. The S'cotsman soon after that period became famous also for its political cconomy. The papers on that subject were written by Mr. MeCulloch, and were not only new in a provincial newspaper, but gave it fame and character throughout the country.

As the reader will very naturally prefer having this shert sketc: as autobiographical as possible, we give the following account, in Mr. MicCulloch's words, of his counection with the Seotsman, which continued till 1827 : -

At the time when this paper was set on foot, the newspaper press of Seotland was in the most degraded state imaginable-without talent, or even tho pretence of independence. And, in truth, it was then no casy matter for a Seottish journalis' to be independent, to eriticise any at of the genernl Goverument, or to hint at a defect in the institutions or administration of Scotland. For, owing to the vicions constitution of the Criminal Court, than which *uleed no tribunal could be worse, and the practice of packing juries, a prosecution at the instance of the Lord Advocate against the editor, printer, or proprietor of a paper, was all but certain, whatever might be the nature of the case, to terminate in his imprisomment, or in his being sent ou a tour to the antipodes. The Scotsman, however, partly by good management and partly by good luck, escaped this clauger, and speedily attained to a large circulation and great influence. I believe, indeed, that its establishment did infinitely more to liberaliso public opinion north of the Tweed than any other cvent that has taken placo in the course of this century. The overthrow of the Dumdas lymasty, and of the abominable caricature of a representative system that formenly existed in Scotland, were greatly facilitated by the vigorous and coutinued exertions of the Scotsman.

I had nothing to do with the establishment of this journal ; but I became a contributor to it soon after its commencement, and was for a considerable time
its editor. I was succeeded in the latter capacity by Mr. Charles Maclaren, one of its projectors, an able writer, and an excellent person. Mr. Win. Ritehie, a solicitor, one of its projectors, was a ready contributor and mosi zealous for its success. This has deservedly been very great.

To the Edinburyh Review he early became a contribntor, and he has often been heard to express the delight with which he sutw his first artiele in 'the Blue and Yellow.' This led to his friendship with Mr. (atterwards Lord) Jeffrey, and among the more intimate friends whose society he enjoyed during his residence in Scothand may be mentioned Leshic, Macvey Napier, Thomas Thomson, Adam Black, and Mr. James Gibson Craig.

From the interesting notices contained in his Cutaloyue, to which further reference will presently be made, is copied his own accome of his connection with the Reciew.

I made my dibut in the Edinburgh Review in 1818, by emantributing oo it an article on Ricardo's Prinuiples of Political Economy. I was not arevionsly acquainted with Jefliey, the editor; and as the theories advanced in the article were subversive of many doctrines previously entertained, Jeffrey was a good deal blamed for giving a person, of whom he knew nothing, permission to bring them forward. Ite, however, being satisfied of their correctness, was in uo degree influenced by this petty hostility, and I continued for about twenty years to write pretty regularly for the Review. I contributed almost all the economical articles that appeared in it during that period, with a feew on other subjects. Jeffrey was an admirable person, and my intercourse with him was of the most satisfactory deseription, and so, also, was my intercourso with his successor in tho editorship, Mr. Macrey Napier. It was not owing to any proceeding on the part of the latter that I finally withdrew from the Reciew. My contributions to it make, when collected, three thick octaro volumes.

In 1525 an Edinburgh professorship seems to have been the height of his ambition, and at this time, with a desire to realise his wishes, an attempt, but a fruitless one, was made by some of his friends to induce the Government to endow a chair of Political Economy in the northern capital.

Lord Cockburn, in his Life of Jeffrey, vol, i. pp. 277-78, gives a short accomut of the attempt and its failure : -

Political Economy is so recent a science that no provision for its being taught could be made by the constitntion of old colleges. Aecordingly, it was never taught in any Scotch college, except by Professor Mylne at Glasgow, nad by Dugald Stewart, in his two short and very general courses, at the beginming of this century. Laving now become the most important of all the practical moral sciences, an eifort was made during this summer (1805) to obtain a Regins lrofessorship for it in Edinhurgh, and to confer the olfice on Mr. John R. McCulloch, who had already given excellent lectures on this subject, and was rising into the position he has attained, as the first economist of the age. Tho scheme was nt first wamly patronised by Mr. Wallace, the President of the Board of Trade, by Camming, ILuskisson, nad Lord Dudley. Mr. Intskisson recommended that a memorial shonld be got from Edinburgh, respectably, but not numerously signed, oflering to endow the chair, and praying the Crown to erect it, which he engaged to lay before the Govermment. Jeffrey, who took a deep interest in the affair, both from his conviction of its utility, and from his regard for Mr. McCulloch, and his certainty of his friend's fitness, drew up the memorial, which was subscribed by thirty or forty excellent names, including those of tive judges and twelve professors, who, 'or some of them,' engaged to secure an adequate endowment. But at this stage an unworthy obstacle was thrown in the way from Edinburgh, and the plan was defeated.

We find, however, that previonsly, for three successive years, he had delivered lectures in Edinburgh on a variety of politieo-econon: cal subjects; and in 1824, and for some years subsequently, he delivered similar lectures in London. These were mumeronsly attended, and among his auditors were several statesmen sinee distinguished as Cabinet Ministers, and many of the leading bankers, merehants, and foremost men of the day, of all shades of politics. The celebrity he thus acquired, and his well-established reputation as one of our ablest writers on economical questions, doubtless led to the offer made to him, in 1827 , of the Professorship of Political Economy in the University College of London. This offer he ultimately ace pted, and towards the end of 1828 he removed with his family to the metropolis; but, not finding the appointment what he expected or conld wish, he resigned the chair in 1832.

IIs articles in the Edinburgh Reciew show how early Mr. McCulloch dealt with some suljeets of that class which he alterwards treated so elearly and concisely in his great digest of Trade and Navigation. As will be seen from the amnexed list, his contributions were seventy-eight in all; and we find him writing on the Currency in 1818, urging free trade with France in 1819, and atacking the Corn Laws and restrictions on our forcign commoree in 1820 ; in 1823 denouncing the Navigation Laws, the discriminating duties on East and West India sugar, and the duty on forcign wool ; in 18.4 exposing the iniquity of the East India Company's monopoly of tea, and so on with regard to many kindred abnses, till 1837, when he finally lad down the pen of a reviewer. They all show, too, how heartily he recomanended those commercial and financial reforms which he fortumately lived to see effected.

After spending well-nigh twenty years in acemulating materials, the anthor, in 1832, produced The Comnercial Dictionary, one of the greatest boons of a literary kind ever confered upon the commercial world. In the preface to the first edition of this work, he explains how he arrivel at the conclusien that there was room for a new Dietionary of Commerce and Commercial Navigation. The public agreed with him that it was a desideratum, and that he stop picd what was really very much wanted. The success of the Dictionary has heen almost mexamplel. Edition after edition has been called for, and many thousands have been sold. It has been republished in America, and translated into several languages, and is referred to for the adjustment of mercantile disputes in all quarters of the globe. Since its first publication it has greatly inereased in loulk, and is, in truth, a gigantic work, for if printed like ordinary books it would make at least thirty volmess octavo. The author was naturally proud of its popularity and reputation ; and here we camot resist the temptation to repeat, by way of ilhstration, an aneciote told lately at a public mecting by a friend of his, now a learned lord and a Scoteh judge." He said, speaking of Mr. McCulloch, ' Ite asked me once," Do you ever quote my Commercial Dictionary in Court?" I said, with some emphasis, "Never; we never quote it, and we never mention it. Sometimes," I said, "a set of papers come in upon us at night upon a mercantile

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question that we know nothing about, and we go up to our shelves and take down the Commercial Dictionary, and find all we want there, and next morning we come out, to the astonishment of our clients, with letter information upon the subject than they have themselves; but we never mention McCulloch's Dictionary." (Laughter and cheers.) And that pleased the old man, who hat been rather :' 'led by my first observation, better than it was easily possible to please him.'

While it may be said, therefore, that the Commercial Dictionary is undoubtedly his opus magmm, and that by which he is best known, still it would be unjust, even in the most cursory notice of his labours, not to particularise his Descriptive and Statistical Account of the British Empire, which first appeared in 1837, and the Geographical Dictionary, first published in 1841. Their titles are sufficiently suggestive of enormous toil and researeh, and if he hatd done nothing else, these works would afford very remarkable proofs of his untiring industry and :igorous faculties.

In the article 'Whithorn' in his Geographical Dictionary he appears to have been unable to repress his strong attachment to his native place, which finds vent in these worls: 'We may perhaps be excusel, if, towards the close of this lengthened and laborious survey of so many countrics and places, we have lingered for a moment over scones once familiar, and still well remembered. The associations which the mention of this locality calls up are all redolent of joy and youth, and are too soothing and pleasing to be instantly dismissed.'

This Dictionary, however, was scarcely out of hand before his thirst for work found vent in another project, to which he alludes in a letter of November 12, 1840, to an intimate friend in Edinburgh. After stating that he was anxious for the conclusion of the Geogrephical Dictionary only that he night plunge into another, he adds :-
I am resolred, imless some unforescen erent oceur, to commence a Dictionary of Politics and Political Economy, the instant I get this one out of the way. I shall not be satisfied with myself if I do not produce this work, and it is necessary I should lose no time in grappling with it, as unfortunately one gets old, and not so fond of or fit for hard work.

This project was never carried ont.
Of his minor works the best known are his Principles of Political Economy, his Pr:aciples and Practical Influence of Taxation and the Funting Sy/st com, and his book on Wages, all of which have gone through several editions: his Treatises aud Fssays on Economical Pelicy, containing biographies of Quesnay, Smith, sed Ricardo, and a work on Succession to I'roperty racant by Death, which treats of the effect of primegeniture and compulsory partition of land $\& c$. on the state of a mation.

Of his editorial lahours, the most important is his edition of the Wealth of Nations. Francis IIorner and Nalthns, we helieve, had projected editions of Smith, but neither of them realised his intentions. An edition worthy of the subject was thus reserved for Mr. MeCulloch, whose studies and pursnits eminently qualified him for this duty. The first edition was published in 1828 , in 4 vcis. 8 ro. ; and ten years later it was condensed into one very thick volume. The last edition, published in 1863,
embodying the editors Life of Smith, an Introductory Discourse and Supplemental Notes and Dissertations, forms a complete code of Political Economy. Towards the end of his career Mr. McCulloch thus characterised the Wealth of Nations: 'It is not in truth a book for one country or one age, but for all countrics and all ages; and will always be regarded as a noble monument of profound thinking, various learning, and persevering research, applied to purposes of the highest interest and importance.'

Next to Adan Smith, the father of the science, Mr. McCulloch ranked David Ricardo as having done most to advance it. From 1816 to 1823, the year of Ricardo's death, they had corresponded frequently on subjects connected with Political Economy. In one of his letters Mr. Ricardo thus characterises one of Mr. McCulloch's early papers on Currency : 'It appears to me so able, so clear, so convincing, that I shall be puzzled to account for the obstinate prejudices of those who no doubt will continue to refuse their assent to doctrines so mathematically demonstrated.' In 1846 he published an edition of Ricarlo's works, in 1 vol. 8vo. The admiration for that writer's talents, expressed in Mr. McCulloch's first contribution to the Edinburgh Review, was apparently never lessened, for in his Catalogue he pronounces Ricardo's works 'one of the most valuable volumes, if it be not the most valuable, to be met with $; 1$ the wide range of Economical Literature;' and he adds, that ' what the researches of Locke and Smith did for the production of wealth, those of Ricardo have done for its value and distribution.' Personal friendship may, perhaps, have slightly tinged this eulogium, which must, at any rate, satisfy the most enthusiastic of Ricardo's admirers.

Mr. McCulloch's advocacy of Liberal measures, and his unquestionable fitness for public employment, gave him strong claims on the Whig Government; yet, while their harvest was being gathered, this sower of good seed was for a time overlooked, and certainly it was not till after many irritating disappointments, and years of hope deferred, that he was, in 1838, appointed ly Lord Melbourne to the Comptrollership of the Stationery Office, a situation he held till his death. Here his enlightened and practical views enabled him at an early period to carry out extensive reforms, and to effect, for upwards of a quarter of a century, lirge annual savings of the public money. His energy in this direction was constant and irrepressible. The nature and extent of his services are recorded in the Parliamentary papers of his time: their value, too, was fully recognised in high quarters, and there are good grounds for saying that Mr. McCulloch was nowhere more respected and appreciated than at the Treasury, where his valuable qualities as a public servant were necessarily well known. The Times of May 4, 1861, in an article devoted to the Stationery Office, complimented him by saying, 'It is controlled, fortunately for the country, by Mr. McCulloch, and a sturdier guardian of the public purse it wonld be hard to find.' But while he did his best to promote economy in the public expenditure, he did not neglect the material interests of those associated with him in official duties. Ife was always most desirous that those who worked well should be paid well.
No occupation, however, diverted him long from the study of his
fivourite science, and he was even wont to express a wish to return to this world some 300 years hence, to look for the solution of various problems, and see whither his doctrines and anticipations would prove true. Having expressed such a desire in a letter of December 9, 1842, to Jeffrey, we find the latter answering thas on the 12th: 'I quite sympathise with you in your wish that we could be allowed to see more than we are likely to do of the actual working of the causes that are now in operation, and the movements that are visibly begun. I an more modest, however, in my prayer for the gift of prescience than you are, and should be satisfied to have a clear vision of the condition of this country some time about the year 1900 , before which, I feel persuaded, the problems we are puzzled about will all be substantially resolved. Indeed (if it were the same thing to the Power who can alone grant such prayers), I should prefer being allowed to live and see the results in their actual accomplishment, rather than wonder at them in a prophetic dream. But I should be glad to have either of the boons.'*

The domain of Political Economy was no doubt that which Mr. McCulloch most assiduously cultivated, but he did not by any means give it his undivided attention. He was well read on a great variety of subjects, was possessed of much general information, and his classical attainments were not inconsiderable. He had also an extensive acquaintance with the literature of France, more especially those brancles bearing on Political Economy and Biography. In 1843 he was elected a Forcign Associate of the French Institute, in the room of Sismondi, having 16 votes out of 18. As the other nominees were men of such mark as Hugo and Ranke, this unsolicited honour was highly prized by Mr. McCulloch, who did not set much value on literary distinctions that were common or easily attainable. $\dagger$

By this time he occupied a conspicuous place in the public eye. Some of his doctrines might be disputed, but no one denied his great and unquestionable merits as the reformer of our commercial code. The wellknown truths of free trade had been expounded in his writings and in lis lectures long before their advocacy became a popular cry. In truth, no other writer had done so much to prepare the way for those memorable commercial reforms which signalised the administration of Sir Robert Peel. Aud he testified his respect for Mr. McCulloch's services by bestowing on him, in 1846 , a pension of $200 l$. a-year. Few events in his life afforded him higher gratification than this. To a man with a numerous family, such an addition to his income was, doubtless, acceptable; but what he valued infinitely more was Sir Robert Peel's mode of giving it, and the high compliment paid to him by one for whom Mr. McCulloch had Iong entertained the highest regard. When he could not have had the remotest expectation of receiving such an honour from that statesman, Mr. McCulloch, in a pamphlet (Observations on the State of the Country), published anonymously in 1830 , thus speaks of him :-

* Cockburn's Life of Jeffrey.
$\dagger$ On March 4, 1865, Mr. Gladstone was elected Mr. MeCulloch's successor in the French Institute.

Did popularity nlways attach to merit, Sir Robert Peel would be, at this moment, the most $p$ puilar man in Eughnd. The country never has had, and never will have, a more upright and disinterested minister, and seldom (no more able. He has made incomparably greater sacrifices than any man now in larliament for the sake of the public.
Onr author took the earliest opportmity of testifying his gratitude to Sir Robert for the substantial and unexpected benefit just referred to, by dedicating to him the third edition of the Statistical Account of the Britisi Empire.

In the course of fifty years Mr. MeCulloch amassed a very valuable library, consisting of about 10,000 volumes, and its gradual acquisition afforded him the highest gratification. He makes the following acknowledgment in the preface to his C'utulogue: 'Their aeruisition hats been a business in which I have always taken the greatest interest; it has not palled upon me for a single moment; and their possession, besides the gratification it has afforded, has been so far ueful that it has enabled me to finish works of mueh rescareh and lahour without either resorting to public libraries or borrowing books.' Llis love for books, particularly fine books, was certainly very great, and he defended his admination of well-bound ones (if, indecd, any defence be necessary), by citing tho example of his great chief, Adam Smith, who admitted he was a 'bean in his looks.' For those that had only rarity to recommend them Mr. McCulloch cared nothing; but an linglish classic bound in old moroceo gave him a dolight which only the deeply initiated in such matters can either understand or appreciate. The only alloy to his pleasure seems to have been the belief that his library would be dispersed at his death. But his fears on this head proved to be ill-founded. Ilis fine collection has been fortunately kept together, and aequired in its entirety by Lord Overstone, a friend for whom Mr. MeCulloch entertained the very highest regard and respect.

In 1845, he published The Literature of Political Ee nomy, a classified catalogue of select publications in the different departments of that science. In the prefice he says:-

If we have succeeded in our object, this work will be in some measure a Ilistory of Politieal Economy, as well as a Critical Catalogue of the principal E-onomical works. It contains short notices of the rise of some of the principal theories, and of the ci:cmmstances which appear, at different periods, to have strongly determined public opinion upon ceonomical questions and given birth to classes of books. Without such notices, indeed, no just estimate conld be formed of the latter.

In 185: he printed privately a Cutalogue raisonué of the more important part of his library, which he afterwards elaborated and reprinted in 1862, under the title of Catalogue of the Library of a l'olitical Economist. This ahounds in curious and valuable information, critical, biographical, and bibliographical, but, being umpublished, is known only to his friends, by whom, however, it is much prized. Though some of his estinates of distinguished living writers are not free from prejudice, his critieal opinions are generally sound and well-considered, and he has scettcred through the work some autobiographical sketches, of which a few have been introduced into this notice.

Ire was an original member of the Political Feonomy Club, und sceucted for the press an 1 wrote prefices for two volunes of scarce and curions tracts on Money and Commerce, reprinted liy that body in 1850.

His more extensive culitorial services for Lord Overstone were performed, we helieve, from perworal friendship for his Lordship, be ween whom and Mr. McCulloch there existed complete agrement of opinion on some of the most important Economical questions. It was at Mr. MeCulloch's suggestion that Lord Overstone agreed in 1857 to reprint, in a collected form, for distribution among his friends, the various tracts on the eurrency written by him at diflerent times. It was at Mr. MeCulloch's suggestion also that his Lordship reprinted privately in 1857-59 that collection of scarce tracts on trade, finance, currency \&c., which, though limited in circulation, is well known to all who take an interest in such subjects. This collection consists of four large octavo volumes, and is of great value. Besides selecting the tracts to be reprinted, Mr. McCulloch wrote a prefice and notes to each volume, and his having been instrumental in preserving and putting them into this shape was at source of great pride and satisfiction to him.

Dr. Johuson, in his Life of Roger Ascham, remarks that ' the incidents of a literary life are but seldom observed, and therefore seldom recounted.' While this apothegm is singularly inapplicable to Johnson himself, whose minutest sayiugs and doings have heen so carefully chronicled by Boswell, it is appropriate enough to the subject of this brief memoir. The production of his several works and his literary successes formed the chicf epochs of Mr. MeCulloch's busy and useful life, which boasted none of those exciting episodes, that would in truth have been minsuitalle to the position and studies of a philosopher.

In enumerating some of his more salient and good qualities it may be said, with great truth, that he was a warm and steady friend, and that in him the home affections and attachment to his fimily were particularly conspicuous. Sydncy Smith says, 'Iuman excellence is so often inverted, and great talents considered as an excuse for the absence of obscure virtues.' This sareasm, however, could not in the slightest degree be applied to the author of this Dictionary, for nowhere did he appear to so much advantage and so perfectly happy as in his own house, with all the members of it around him.

In a notice of his death given in the Scotsman (which in various parts bears the impress of his old friend and brother editor, the late Mr. Maclaren), some remarkable features in his character are well described in these terms:-

Endowed with an enormous capacity for the mastery of facts and figures; of great sagacity, and manly common sense ; with a power of continuous ap, lication to the most arduous mental labour, that seemed nbsolntely exheustle:s; with a vigour of will that led him readily intodogmatism; and an independence of judgment that occasionally revelled in arbitrary assertion and cherished prejudice, Mr. McCulloch, as compared with the milder literary stamp of our later day, had something almost Johnsonian in his intellectual aspect and style. In all his works this strong individuality of character from time to time nssirts itself, sometimes oddly enongh by tho interjection perhaps of a strongly pronounced opinion in the midst of what seemed to be, and really ought to lave been, only an unimpassioned statement of dry facts or abstract principles,

Mr. McCulloch was not a party politician, but ie hailed good measures, especially for the enfranchisement of commerce, however they originated. So far as the Representation of the people in Parliament is concerned, he was not what is called an advanced reformer, inasmuch as he did not in the least sympathise with those who would commit a large share of political power to tho million. What he inveighed against in his youth was the election of members of larliament by the self-chosen town councils of the Scotch burghs, but he disliked and distrusted the opposite extreme quite as much.

We have heard it remarked that Mr. MeCulloch possessed in a great degree the inflexibility of the old Roman character. But under mo occasionally stern exterior thero dwelt great simplicity of character, a good heart, and a most social and hospitable disposition. He was very decided both in his likes and dislikes, and in his expression of them he was pithy and mreserved. Most espeeially he hated all shams, from an inconvertible paper currency downwards. Very few objects claimed his admiration more than the merchant prince of high honour, who, having achieved a fortune, takes a creditablo or distingnished part in the councils of the nation. On the other iand, he as cordially detested the mercham pirate, who under solvent colours preys on his fellows, and brings ruin on the ignorant and confiding. But Mr. MeCulloch was quite enthasiastic in his praise of the upright man who strives, by self-denial and self-sacrifice, to do his duty to his neighbour. We have heard hi flen quote with emphasis and delight the well-known culogy of Bur poet on Heron of Kerroughtree, the banker, who, having been unsuccessful in business, gave up ali, and lived in a cottage till he had paid every creditor to the utmost farthing.

> And there will be trusty lerroughtree,
> Whose honour was ever his law;
> If the virtues were pack'd in a parel,
> IIs worth might be sample for a'.
> Burns's second Heron Bullucl.

Mr. MeCulloch was tall and of strong constitution,* on which, however, freefuent attacks of bronchitis had made serious inroads during the last two years of his life.

He married early and most happily, and died at the Stationery Office, Westminster, on November 11, 1864 (the 53rd anniversary of his marriage), in the 76 th year of his age. He was interred in the Brompton Cemetery on November 18, and there his widow, Isabella Stewart, was laid by his side in July 1867.
II. G. R.

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## A DICTIONARY

# COMMERCE AND COMMERCIAL NAVIGATION. 

## AAM

AAM, AUM or AHM. A measure for liquids, used at Amsterdam, Antwerp, llamburgh, Frankfort, \&cc. At Amsterdam it is nearly equal to 41 English wine gallons, at Antwerp to $36 \frac{1}{2}$ ditto, at IIamburgh to $38 \frac{1}{4}$ ditte, and at Frankfort to 39 ditto. It is principally used for wine and oil. The Amsterdam Aam of oil centains about 36 gallons.

ABACA. The Indian name of the hemp of the Philippine Islands. [Henp Manillas.]

ABANDONMENT (Fr. delaissement). In Commerce and Navigation, this term is used to express the abandoning or surrendering of the ship or foods insured to the insurer.

It is held, by the law of England, that the insured has the right to abandon, and to compel the insurers to pay the whole value of the thing insured, in every case ' where, by the happening of any of the misfortunes or perils insured against, the voyage is lost, or not worth pursuing, and the projected adventure is frustrated; or where the thing insured is so damnged and spoiled as to be of little or no value to the owner; or where the salvage is very high; or where what is saved is of less value than the freight ; or where further expense is necessary, mud the insurer will not undertake to pay that expense, \&c. (Marshall, beok i. ch. xiii, s. 1.)

Abandonment is defined by Arnould (Marine Insurance) to be 'the act of cession by which in cases where the loss or destruction of the property thongh net absolute is highly imminent, or its recovery is too expensive to be worth the attempt, the assured, on condition of recovering at once the whole amount of the insurance, relinquishes to the underwriters all his property and interest in the thing insured as far as it is covered by the policy, with all the clams which may arise from its ownership and all the protits which may arise from its recovery:' (3rd edit. 1. 85!.)

The abandonment of the insured must be of his whole interest, in the thing insured, in so far as that interest is covered by the policy, the exteat of the interest covered liy the policy determining the maximum quantity which the underwriter can claim to liave transferred to him. Hence the insured must discriminate in his policy the different suljects of insurance, for if ship und cargo are jointly instiret, there camot be a tutal abiandonment. This is the law also in the United States, and is so held by limicrigon the French jurist

ABANDONMENT
(vol. ii. p. 215). But if different objects he insured for different sums, each may be insured by itself, and each nbandoned by itself.

No one can abandon who has not at the time of the loss an absolute right of ownership. Hence one with whom a policy of insurance lias been deposited as a seemrity for a loan, has no implied authority to give notice of abandonment. That he should do so, requires the express authority of the owner. In the courts of the United States, it has been held that the assured after abondoning all his interests to one set of underwriters, cannot again make abandonment of the same interest to other underwriters. (13 Mass. Rep.)

Abandonmeat very frequently takes place in cases of capture: the loss is then total, and no question can arise in respect to $i t$. In cases. however, in which n ship and cargo are recaptured within such a time that the object of the voyage is not lost, the insured is not ensitled to abantion. The mere stranding of a ship is not deemed ot itself such a loss as will justify an abaudonment. If by some fortunate accident, by the exertions of the crew, or by any borrowed assistance, the ship be got off and reudered capable of continuing her voyage, it is not a total loss, and the insurers are only liable for the expenses occasioned by the stranding. It is only where the stranding is followed by shipureck, or the ship is in any other way rendered incarable of prosecuting her voyage, that the insured can abanion.

It loss been decided, that damage sustained in a voyage to the extent of forty-eight per cent. of the value of the ship did not entitle the insured to abandon. If a cargo be dnmaged in the course of a voyage, and it appears that what has been saved is less than the amount of freight, it is held to be a total loss. (Park On Insurunce, cls, ix.)

When by the occurrence of any of the perils insured against the insured has acquired a right to abandon, he is at liberty cither to abandon or not, as he thinks proper. IIe is in no case bound to abandon; lut if he make an election, and resolve to abandon, he mist abide by his resolution, and has no longer the power to claim for a partial loss. In some foreign countries specitic periods are fixed by law within which the insured, after. being informed of the loss, minst eleet cither to abandon or not. In this country, laowever, no particular period is tixed for this purpose; but the
rule is, that if the insured determine to abandon, he must intimate such determination to the insurers within a reasonable period after he has got intelligence of the loss-any unnecessary delay in making this intimation being interpreted to mean that he has decided not to abandon. As short a period as five days after knowledge that the ship was condemned, was, however, held by Lord lillenborough as too late a notice. (Hunt v. Royal Exch. Assur. Co. 5 M. and Sel. 47.)

No particular form or solemnity is required in giving notice of an abandomnent. It may be given either to the underwriter limself, or the agent who subscribed for hin. But it must be stated, whether orally or in writing, in unequivocal terms. Lord Ellenborough expressed an opinion that the word 'abandon'should be used in order to make it effectunl. The notice ought also to contain a statement of the causes which have led to abandonment.
In sume cases losses may be cumulative. Lord Fllenburough laid down, tbat 'there may be cases in which though a priori dsmages may be tollowed by a total loss, the assured may, nevertheless, have rights or claims in respect of that prior loss which may not be extinguished by any sulsequent total loss. Actual payments for repairs made in consequence of injuries suffered at sea, and occurring prior to the total loss are of this character. It has been held by the Court of Common Pleas (Le Cheminant $v$. Pearson, 4 Taunt. 367) that a plaintiff might recover, in addition to a total loss, for sums so expended.

The effect of an nbandonment is to make the owners trustees for the underwriters. Abandonment does not vest the property. The registry Auts prevent this from passing, except in a certain way. (Lord Truro in the House of Lords, Scottish Mar. Ins, Co. v. Turner.) The latter become the legal owners of the ship, and as such are linble for all her future outgoings, and entitled to her future earnings. An abandonment, when once male, is irrevocable.
In case of a shipwreck or other misfortune, the captain and crew are bound to exert themselves to the utmost to save as much property as possible; and to enable them to do this without prejudice to the right of aban:lonment, our policies provide that, 'in cass of any loss or misfortune, the insured, their factors, scrvants, and assigns, shall be at liberty to sue and labour about the delence, safeguard, and recovery of the goods, and merchandises, and ship, \&c., without prejudice to the insurance, to the charges whereof the insurers agree to contribute, each according to the rate and quantity of his subscription.'
${ }^{\text {' }}$ From the nature of his situation,' says Mr . Serjeant Marshall, 'the captain las an implied anthority, not only from the insured, but also from the insurers and all others interested in the ship or cargo, in case of misfortune, to do whatever he thinks most conducive to the general interest of all concerned, and they are all bound by his acts. Therefore, if the ship, be disabled by sitess of weather, or any other peril of the sea, the captain may hire another vessel for the transport of the goods to their port of destination, if he think it for the interest of all concerned that he should do so; or he may upon a capture, appeal against a sentence of condemnation, or carry on any other proceedings for the recovery of the ship and cargo, provided he has a probable ground for doing so; or he may; upon the loss of the ship, invest the produce of the goods saved in other goods, which he may ship for his origimal port of destination; for whatever is recovered of the eflects insured, the captain is acconutable to the
insurers. If the insured neglect to abandon when he has it in his power to do so, he adopts the acts of the captain, aud lie is bound by them. If, on the other hand, the insurers, after notice of abandonment, suffer the captain to continuo in the management, he becomes their agent, and they are bound by his acts.
As to the sailors, when a misfortune hapıens, they are bound to sare and preserve the merchandise to the best of their power, and while they are so employed they are entitled to wages, so far, at least, as what is saved will allow ; but if they refuse to assist in this, they shall have neither wages nor reward.
The policy of the practice of abandonment seems very questionable. The object of an insurnuce is to render the insurer liable for whatever loss or damage may be incurred. But this object does not seem to be promoted by compelling him to pay as for a total loss, when, in fact, the loss is only partial. The captain and erew of the ship are selceted by the owners, are their servants, and are responsible to them for their proceedings. But in the event of a ship being stranted, and so damaged that tho owners are entitled to abandon, the captain and crew become the servants of the underwriters, who had nothing to do with their appointment, and to whom they are most probably altogether unknown. It is admitted that a regulation of this sort can hardly fail of leading, and has indeed frequently led, to very grent abuse. We, therefore, are inclined to think that abandonment ought not to be allowed where any property is known to exist; but that such property should continue at the disposal of the owners and their agents, and that the underwriters slould be liable only for the damage really incurred. The first case thast came before the British courts with respect to abandonment was deciled by Lord Hardwicke, in 1744. Mr. Justice Buller appears to have concurred in the opinion now stated, that abandonment should not have been allowed in cases where the loss is not total.

For further information as to this subject, see the excellent works of Mr. Serjeant Marshall (book i. ch. xiii.), of Mr. Justice Park (ch. ix.) On the Law of Insurance, Arnould On Marine Insurance, Pritchard's Admirai'H. Digest, Mnude and Pollock's Law of Merchant Shipping, and Emerigon's Traité des Assurances et des Contrats. For American Law, see Duer, Parsons, Phillips.
ABATEMENT or REBATE. The name eometimes given to a discount allowed for prompt payment; sometimes for the difference between the value of an immature bill and the same instrument when arrived at maturity. It is also sometimes used to express the deduction that is occasionally made at the custom-house from the duties chargeable upon such goods as are damaged, and for loss in warehonses. All claims for abatement of customs' duties are regulated by the Customs Consoliclation Act, 16 and 17 Vict. c. 107 (1853), ss. 76, 96 and 97. Goods derelict, \&c., and droits of the Admiralty are treated as foreign goods. No abatement may exceed three-fourths of the duty to which such goods may be liable; and no abatement is allowed on coculus indicus, nuxvomica, rice, Guinen grains, lemons, spirits, corn, grain meal, flour. opiam, sugar, cocoa, oranges, tea, coffe, pepper, tobacco, currauts, raisins, wine and figs. The above are nearly all the articles still liable to customs' duty.
ABSINTH. Wormirool. Produced from the Artemisia absinthinm. he plant is indigenous to Southern Europe, is bitter andaromatic, and is used in medicine, but is principally employed for distillation of a liqueur largely used on the Centi-
nent, at tories Pontarl reputed producti
nent, and of which the most importunt manufactories are at Couvet in Switzerland and at l'ontarlier in France. The use of absinthe is reputed to be on the increase in France, and to be productive of very mischievous effects.
acacia. [Gum Arabic.]
ACAIULCO. A celebrated sea-port on the western coast of Mexico, in lat. $16^{\circ} 50^{\prime} 29^{\prime \prime} \mathrm{N}$. , long. $E 9^{\circ} 46^{\prime} \mathrm{W}$.
Before the enanncipation of Spanish America, n galleon, richly laden, wus amunlly sent from Acapulco to Manilla, and on her return a fair was held, much resorted to by strangers. This sort of interenurse is no longer carried on, the trade to Manilla and all other places being now conducted by pirivato individuals. Acapuleo is extremely unlenalthy, and its commerce is inconsiderable. The moncys, weights and measures, are the same as those of Spain. [Cadiz.]
ACLDS. A class of bolkes which are distinguished from allothers by the following pruperties. They are generally possessed of a very shari taste; redden the infusion of litmus and most urganic blue or violet colouring matters; are often highly corrosive, and enter into combination with the alkalies, alkaline carths, and metallic oxides: forming compoumls in which the characters of the constituents are totally destroyed and new ones proluced, differing entirely from those previously existing. The last is the only one of these properties which can be considered essential to neids; indsed comparatively few acids possess them all.
The number of acids known is very great, but it is only those which are largely employed in the arts and manufactures that will be here treated of, as they only form articles of commerce. The most important acids of commerce are : arsenious, acetic, benzoic, boracic, carbolic, carbonic, citric, sallic, hydrochloric, hydrofluoric, hydrocyanic, malic, nitric, oxalic, pyrogallic, sulphurous, sulphuric, tannic, tartaric, uric, and the so-called fitty acids, stearic, margaric and oleic.
Acetic or Pyroligneous Acid-is obtained by the destructive distillation of diry hard woods, such as oak and beech, at a red heat. The distillation is conducted in aniron cylinder of large dimensions, to which a worm or condenser is attached; a sour water, a quantity of tar and much inflammable gas, pass over, leaving charconl of excellent quality in the retort. The cruale product is then puritied by a second distillation, the first portion being collected apart for the sake of the methylic alcohol it contains, and the remainder is saturated with lime and concentrated by evaporation. When the acid is required for the fabrication of other compounds used in the arts and manufactures, where great purity is not essential, it is prepared direct from the crude lime-salt by distillation with hydrochloric or sulphuric acid. But when great purity is required, the lime-salt is first submitted to a moderate beat, whereby many of the impurities (oleaginous and tarry matteris) are charred, and its sqlution is subsequently claritied by means of albumen. The lime-salt is then transformed into a soda salt by distillntion with sulphuric acid, and saturation of the distillate with seda ash, instead of decomposing it as formerly by mixiug it with sulphate of soda. From the acetate of soda, after it has l -en freed from the last traces of impurity by crystilhsation, the pure acetic acid is obtained by distillation with sulphuric acid. The acid thus prepred is now extensively used for fortifying malt vinegar. The most recent improvement in the inamufacture of pyroligneous acid, is that of using sawdust, spent dye woods, de., instead of wood in the process of destructive
distillation. This is done by cansing these sulbstances to pass in contlnuons motion through heated retorts by means of saitalle machinery. The greater portion of the pyroligacons acia prepared in this country is employed in the manafacture of the acetates, particularly acetate of lead for the usc of dyers and enlico printers, and only a small portion is puritied for household and other purposes. Acetic acid is also exteusively employed to preserve animil and vegetalle sultstances, and the acid from yood is preferable for this purpose, on account of the traces of essential oils which it contains, and which increase its antiseptic propertics. Vinegar is an impure and dilute acetic acid obtained by exposing either weak wincs or infusions of male to the atinosphere or other oxidising influences and a slow fermentation. In Germany the process is much expedited by allowing the alcholic liquid to How over wood shavings steeped in a little vinegar in a large cylindrical vessel, through which a eurrent of nir is made to pass l'yroligncous or acetic acil is manufactured in England, lrance, Germany and Sweden on a large scale; slso in other civilised countrics where wool is abundant and a demand exists for the acetates used in dyeing. The strength or quality of acetic acid is determined ly nentralising with a standard alkaline solution, but as the acid itself is volatile, the standard solution ought to bo made with a canstic rot a carbonated alkali.

Arsenious Acid or White Arsenic.-It formerly appeared in commerce in the form of a heavy white glassy looking substance with a smooth choncoidal fracture, hut is now generally met with as a white powder. It is a weak acid, and sparingly soluble in coll water but readily soluble in hot hydrochloric acid; also in alkalies, forming arsenites. This substance is obtained as a product of the calcination of arseniferous tin and cobalt over in Saxony and of certain copper ores in England, and the crude arsenions acid thus produced is puritiod by sublimation. It is chictly employed in calico printing, alsn in glass making, to reduce the sesquioxide of i: $\eta$ to protoxide, and forms one constituent of the substances known as Scheele's or Sweinfurt green. It is a most violent poison and has a fecble swectish and astringent taste, its antidotes being sesquioxide of iron and magnesia. The price of arsenioas acid is very low, bein's about 11 . per ton.
Benzoic Acid-exists naturally, formed in the gum benzoia, and may be procured either by sabmitting the benzoin in fine powder to repeated sublimations, or by digesting it with lime and water, straining off the clear solition, and adding lyydrochloric acid, which enters into combination with the lime, and the benzoic apid, being nearly insoluble in water, falls as a white powder. This may be further purified by a sublimation. Benzoic acid is of a beautiful pearly white colour when pure, has a very peculiar aromatic odour, and am nerid, acid, and bitter taste ; it is used in maling pastilles and perfumed incense. This acid also occurs in the balsams of Tolu and Pera, and in the putrill urine of the horse and cow.
Buracic Acid-is foundia an uncombined state in many of the hot springs of Tuscany, as also at Sesso in the Florentine territory, from whence it receisel the name of S'essolin. In Thibet, 1'ersia, and South America, it occurs in combination with soda, and is imported from the former place into this comentry in a erystalline form, under the name of'Tincal. These crystals are coated with a rancid, fatty substance, and require to be puritied by repeated solutions and erystallisations; after which it is sold muter the nppeilation of borax (bi-borate
of sodia) ; frem a hot solution of this salt the boracic acld is readily obtalned, by the addition of sulphuric acid in slight excess; sulphate of sonla is formed, and the boraciu acill erystallises as the solution cools. When pure, these crystals are white, and have an unctuous greasy feel; they are sohuble in alcohol, communcating a green tuge to its flame. When fused the acid forms a transparent glass, and has been founel by Mr. Faraday to unite with the oxide of lead, protucing a very uniform glass, free from all detects, and well adaptel for the purmose of telescopes and other astronomical instriments. liorax is much employed in the arts, particularly in metallurgic operations as a flux : also in enamelling, and in pharmacy. [Bumax.]

Curtorlic Acill or Phenol-an oily colourless liqual, with a burning taste and the smell of creosote, is found in considerible quantity in coal tar, and is ensily extracted therefrom ly heating the heavier conl taruils-those boiling letween $300^{\circ}$ and $401^{\circ}$ Yalu. - with a solution of soda or milk of lime. The aqueous liquid is then separated from the undissolved oil, decomposed by hydrochloric acit, and the oily product obtained purilied by rantious distillation. Most of the commercial ereosote is simply earbolic aciel, mixed with more or less water. Carlolic acill is principally unsed as an antiseptic disinfectant, either for, or in combimation with, liac and sulphite of sola and lime (Mel)ougall's powder), alsu in the preparation of dyes; viz. phenol blue, or azuline, and pieric, or carbnzotic aeis.

Carbonic-Acid.-This acidoceursvery abunilantly in nature, combined with lime, magnesia, barytes, aterial acid, fixed air, mephitic acil: from any of these it is ensily separated by the addition of nearly any of the other acids. In its uncombined torm it is a transparent, gaseous thail, having a I-nsity of $1 \cdot 03$, atmospheric air being unity; it is absorlied to a considerable extent by water, and when the water is rendered slightily alkaline by the addition of carbonate of sodn, and a large quantity of gas forcel into it by pressure, it furms the weil-known retreshing beverage soda water. 'this gas is also formed in very lareo quantities duriug combustion, respiration, and urinentation. Carbonic aciel gas is destructive of animal life and combustion, and from its great weight. accumulates in the bottons of deep wells, cellars, caves, de., which have been closed for a long period, and mumerous fital accidents arise frequently to persons entering such places incautiously. The precaution should always be taken of introducing a lighed candle prior to the desecnt or entrance of anyone; for should the canille be extinguished, it would be dangerous to enter until properly ventilated. The combinations of earbonie acid with the alkalies, earths, and metallic oxides are termed carlmuates.

Cifrer Arid-exists in a free state in the juice of the lemon, lime, and other fruits, combined, however with mucilage, and sometimes a little surar, which reuders it, it required to be preserved fire a loug period, very liable to ferment; on this areount the crystallised citric acid is to be preferred. It is pirepared by saturating the lemon juice with chalk; the citric acid combines with the lime, forming an insoluble compound, while the carkonic acil is liberated; the insoluble citrate, after being well washed, is to be actel upon by dilute sulphuric acid, which forms sulplate of lime, and the eitric acild enters into solution in the water; by filtration and evaporation the citric acid is olitained in colourless transparent erystals. The chief uses to which it is applied are as a preventive of sea scurry, and in making re-
freshing acidulous or effervescing drinks; for which latter purposes it is paculiarly fitted from its very pleasant tlavour. Selling price about $2 x$ perlb.
Fifty Acids.-These are certain constituents of fatty bodies, i.e. of oils and fats of different animals, which act the part of acids towards several bases forming salts which bear the generic name of suips. Thus the saponitication of oils and fats consists in the combination of the acils they contain with certain baset, chiefly the nlkalies, potassa, and soda. These acids are three in number, viz. stearic, margaric, and oleic, and exist in variable proportions in different fatty boclies. Thus oleic preponderates in oils, stenrie in the fat of herbivora, and margaric in the greaso of cannivora. They ure extracted by certain pricesses more or less complicated, which result in their separation from a nentral prineiple called glycerine; but the process now most gencrally atlopted is to mix the oil or filt with about ono sixth part of oil of vitrial in large copper vessels, and heat the mass to 3500 Falir. by superheated steam. The neutral primeiple, glycerine, is at this temperature decompos and the fatty acids set frec. The liberated aciuls are then distilled in a current of stenin and heated to $500^{\circ}$ or $600^{\circ}$, by transmissiou through a red-hot pipe, and run into pans to solidify. The acids have then the consistency of butier, and are sulyected to pressure to squecze out the more fluid oleic acid. The decomposition of fats by highly heated steam only has lately been carried to great perfection, and has the advantage of vielding the glyerrine in a very pure state. Stearic and margaric acids are white and crystallisable. They are sometimes confounded in commeree with stearine and margarine, which however, differ somewhat from them, bein, combinations of these acids with giycerinc. Oleie acid is liquid at the ordinary temperature, and is separated from the other two by pressure. Of the three acils, stearic is by far the most important, on account of its being the principal constituent of the well-known caubles. It has a brilliant white appearance and crystallises in lamine of pearly lustre. Its point of fusion is $1 \bar{z} 8^{\circ}$ Fahr. and it burns with a clear white flame. Stearic acid of commerce contains invariably some margaric acid, aml a small quantity of wax is usually addel to it to impart a nore homogencous appearance and a pleasant odour. Sargaric acid is onlynsed mixed with steam, and in the manufacture of candles. Oleic acil of commerce always contains portions of stearic and margaric acids, and some foreign subst ances which give it a reldishbrown colour, and in the impure state as extracted in the manufacture of stearic acil, is used for the manufacture of soap. These fatty acids are manufactured in large quantitics in Eugland, France, Holland, Helgium, Gcrmany, and liussia.

Gallic Acid.-This acis, together with tamic acid, is obtaincd from nut-galls, whieh are excresenees produced on the leaves of a species of oak, the Quercus infectoria, by the puncture of an inseet. Fresh galls yield very little gallic acid, which is proluced by the decomposition of tannic acid, and differs somewhat from it inasmuch as it does not precipitate gelatin. The simplest method of preparing this acid in quantity is to take powdered nut-galls, mix them with water to a thin paste, and expose the mixture to the air in a warm situation for the space of two or three months, adding water from time to time to replace that lost by drying up. The monldy tark-coloured mass prodicent is strongly pressed in a cloth and the solid portion boited. The solution contains abundance of gallic acid, which may be erystal-
lised if white all gent aul The nu gallic aci sively in: elothes, an to its for black pre same prit late Dr. 1 galls in ti vitriol), 1 arahie, on of suft wa the black gum.
The foll roll of Ne 3llbs. galls. gum. Thi turies.
Hydroch Murutic itnportance varied appl and the lart by-product cominon sal state is a so strong an that liquid gas, and wh a density of enenerally va taining from
The decompr salt) by suld sodat mauufa rrochloric as is passed thir and tilled wi water contin, aflinity for w condensation 13,000 tons Kingetote onl nut a trace pipes of the is of a slight sence of a sm traces of sut? hariumi) and ployed in the the majority are not of any when necessat directly conve ride of lime nate of soda large quantitic potassa, salty chlurite of $\mathrm{t}_{1}$ bitrium, for gal of copper fiol quantity prode per anumm, an per ton, accor the distance $f$ produced in m none to so ir ired

Hydrocyamic bitter almonads, soms of the po leaves of the po ather vegetable and distilled, $y$
lised if required. When pure, gallic acid has a white nud silky nppearance, nud a hilghly astringent and slightly acid taste.

The nut galls, whlch owe their properties to the gallic acid they contain, are emploged very extensively if the arts, for dyeing and mining silks, cloths, anel woods of a black colour; this is awing to its forming with the oxide of iron nu intense black precipifate. Writing ink is malo on the same principle: a very excellent receipt of the lute Dr, Black's is, to take 3 oz. of the hest Aleppo gulls in tine powier, 1 oz . sulphate of Iron (green vitriol), 1 oz. logwood tinely rasjed, I wa, gimm arabir, one pint of the best vinegnr, one pint of soff water, and 8 ur 10 choves; in this case the black precipitate is kept suspended by the gum.

The following receipt is taken from the Bursar's roll of New College Uxford, fur the year 1418: 3lbs. galls, 3lbs. copperas (sulphate of iron), $1 \frac{1}{4} 1 \mathrm{~h}$. gum. This ink has stood for four and a lulf centuries.

Hydrochloric Acid.-It was formerly callel Murtatic Aciul or Spirit of Salt. It is next in importance to sulphuric neid on aceount of its varied npplications in the arts nad mannfactures, and the large scale on which it is produced as a by-proluct of the manefacture of soola from common salt. Ilydrochloric ncid in its nuhyrams state is a colourless gns of $1 \because 247$ density, inviug so strong an allinity for water that one volume of that liquil ahsorbs 480 times its volume of the gas, and when thus saturated the liquid acid hus a density of $1 \% 1$. The commercial acid, however, senemally varies from $1 \cdot 10$ to 1.18 in density, containing from 30 to 36 per cent. of the dry neid. The decomposition of shoride of sorlium (common salt) by sulphuric acid in the tirst stage of the south manufacture [A.אA1.I; Sods] evolves hydrochloric acid in enormons quantities, which gas is passel through large towers constructed of stone and fillet with coke, through which a streant of water continually percolates. Owing to the great affinity for water above alluded to, his mode of condensation is exceetingly perfect, und of the 13,000 tons evolved per amum in the United Kiagionn only 43 tons escape, and in many works not a trace even call be discovered in the exit pipes of the apparatus. The acid thus produced is of a slightly yellow colour, owing to the presence of a smail quantity of irm, and may comeniu traces of sulpharic acid (indicated by chloride of harimm) and of arvenic when pyrites has been employed in the prepmration of the oil of vitrol. For the majority of the applications these impurities are not of any moment, and may be ensily removed when necessary. Most of the acid produced is directly converted into bleaching powder or chloride of lime [llainching l'owden] or bicarbonate of soda [Alkalies], but it is also used in large quantities in the manufacture of chlorate of potassn, salts of anmonia, gelatine and glue; chloride of tin, oxychlorite of lead, chluride of barinm, for gatvanising iron, and in the extrac ${ }^{\text {ion }}$ of copper fiom poor silicions copper ores. 'the quatity produced in Eugland is about 13,000 tons jer annum, and the selling price from los. to $\overline{5}$. per ton, accorling to the purity of the acid, and the distance from the seat of manufacture. It is proluced in most manufacturing countries, but in none to so great an extent as in Lingland.

Hydrocytuic or Prussic Acid.-The kernels of bitter almonds, apricots, plums, cherries; the blossoms of the peach, sloe, and monntain ash, the lenves of the peach, elierry; and laurel; and many other veretable substances, when suaked in water and distilled, yield hydrocyanic acid together with
bitter almend oil. It exists ready furmed in the moister parts of these substances, but the greater portion is produced by a fermentation of the amygdalin contained in the plants. There are mainy methods of preparing this, and for the purposes of medicine and chemistry, hut that movt usually followed is to pass sulphiste of hydrogen through a solution of cyanide of mercury so lonts as it is absorbed. The solntion is separated by filtration from the sulphide of mercury: the excess of sulphide of liydrugen, if any, may he removed by carbonate of lead. Another methoxl is to decompose ferrocyanide of potassium (yell w pormiate) by diluted sulphuric acid, the porportions being 10 parts finely-puwilered ferrocynnide; 5 parts of sulphuric acid; and 14 parts of water. The distilled product is collected in a well-cooled receiver. This acid is the most viralent poison known, and may be easily recognised by jts charucteristic otlour.
Hydrofthoric Acid.-It is found in the wellknown mineral fluor spar in combination with lime: from which it is procured in the liguid form by divillation with dilute sulphuric acid in a leaden or silver retort; the receiver should be of the mane material as the retort, mad kept cool by ice or show.
This neid is gaseous in its pure form, highly corrovise, and intensely acid; it is rapidly absorbed by water, communicating its, properties to that thid. Its chicf uso is for etching on glass, which it eorrodes with great rupidity. For this purpose a thin coating of wax is to lie melted on the surface of the glass, and the sketel drawn by a fine hard-ponted instrment through the wax; the liquid aciti is then poured on it, and after a short
 etcling will be found in the substance of the ghas. A very excellent application of this property, possessed by theric acid, is in the rourhing the shades for table lamps. All the metals, exeept silver, lead, and platina, are acted upon by this acid.
Nitric Acid or Aquafortis.-This, which is one of the most useful acids, was formerly prepared by acting upon nitrate of potassa (sulfiectre) with silphuric acid, but now, owing to its comparative cheapness, nind the greater yield of acid, nitrate of soda, or Chitian saltpetre, is generally substitutal. The proportions best suited for the purpose, are 100 parts nitrate of potassa to 9 Mi parts of wil of vitrioh, or 100 uitrate of soda to 116 vil of vitriol. and 34 parts of water.
The distillation is generally eomducted in a castiron retort or cylinder, the nitric acid passes over in the furm of vapour, and is collected in earthenware vessels comuected by tubes, mad a bisulphate of jotash or sota (Sal nixum) remains in the retort. Nitric acid of commerce has usually a dark, orauge-red colour, giving off copious fumes aud having a specitic gravity of $1 \cdot 500$. It may he obtained perfectly colourtess by a second distillation, rejecting the tirst portion that passes over. It is strougly' neid and highly corrosive, attacking energetically all organic substances. It also dissolves most metals, disengaging yellowish red fumes, and is a powerful presiding agent. It is used iin the manufacture of gun cotton, nitro-benzol and pieric or carbazotic acil. It is much employed in the arts for ctching on copper plates, for engraving, also in the assaying and retining of gold and silver. In pharmacy and surgery it is extensively used, and is employed for destroying contnfious efluvia Combined with hydrochloric acill it forms aqna regia, used as a solvent for goll, platina, \&c. The price of nitric acid is about lid. per pound.

Oxulic Acia.-It ocems in combination with potassa asbinoanlate of potassa inditlerent varieties of sorrel, hence the mame nalt of sorrel. This acid was formerly prepared by the action of nitric acid on sugar or starch, but it lis now manufactured on n larige sende, and much more cheaply by treating sawdust with a mixed solution of potassa and sodn. The mixture is kept for some hours at a temperature of $400^{\circ} 1$ ahre, cure being taken to avoill charring. The prodnct thus obtained is a grey powder, and is treated with water at about $60^{\circ}$ Fahr., which leaves the oxalate of soila modissolved. The supernatant liguor is drawn off, evaporated to dryness, and heented in furnaces to recover the alkaties. The onalate of sola is washed aud decomposed by boiling with hydrate of lime, and the resulting onalate of lime, arain decomposed by sulphuric acil. 'The liquor decanted from the sulplate of lime is evapurated to erystallisation in leaden vessels, and the crystals of oxalic acid puritied by recrestallisation.

It is sold in small transparent colourless prisms of a strougly neid taste. It is intensely poisonous. In cases of poisoning ly this acid, lime, or chalk :ansed with water to form a cream, should be imzaediately administered, the combination of oxalic acid with this substance being perfectly inert. It is employed principally in calico printing, and woollen dyeing, straw bleaching, also for whitening leather, removing ink stains, iron monlils, \&c. from wood and limen, and for making binoxalate of potassa or salt of lemon. Oxalie arid may be very readily detected hy adeling sulplate of lime to its solution prevously neutralised by ammonin. A white cloud is produced in a few minutes. Since the introduction of the new process the manufiacture of oxalic acid has become nearly a monopoly of this commtry owing to the quantity of coal required, and its price has lieen very materially reduced. 'This ranges now from $10 d$. to $13 d$. per Ib.

1'yrogallic Acid.-When gallic acid is heated at a temperature of $4 \div 0^{\circ}$ Fuhr., or thereabonts, it is resolved into carbonic acid, aur! :2 volatile prodhet which is termed pyrogalli- tid. It is a powertul reducinst or deoxidising agent, and on this account is much used in photography for the purpose of reducing the salts ot gold and silver to a metallic state.

Sulphuric Acid_-Of all the acids this is the most extensively used in the arts, and consequently the most infortant; and of commeree, indeed, Baron Liebig very justly remarks that it is no exaggeration to say we may judge with great nccuracy of the commercial prosperity of the conntry from the anount of sulphuric acid it consumes.

F'or many centuries sulpluric acid was mannfactured from grecin vitriol or sulphate of iron, particularly at Norihausen, in Germany ; but since abont the middle of the last century, it is directly prepared from the oxidation of sulphurous acid by means of water or steam and nitrous acid. If one views the gigantic scale on which the manufacture is carried on at the present day he must smile on looking back at the puny operations of former times. The sulphurous acid which used to be obtained exchusively by the burning of sulphar is now made by the calcination of various ores and compounds, containing sulphur, more particularly pyrites. F'or this purpose suitable apparatos, kilns or ealciners for pyrites and iron plates, when sulphur is used: are employed. Once kindled the heat generated is sutlicient to keep up the combustion, and a constant evolution of sulphurous acid gas takes place. Ihis gas, together with nitrous acid (prepared by the decomposition of
nitrate of somba ly sulphuric acid), is introduced into large leaden chambers the bottons of whicla are covered with an inch or more of water. Into these chambers steam is introduced by a sultable arrangement of pipes commected with an ordinary stean boiler. Whatever may be the precise change that takes place in the chambers, all chemistsagree that the nitrous acid serves simply as a carrier of tho oxygen between the air and the valphurous acid forming sulphuric acid which falls in a liquid state to the bottom of the chamber. This liquid acid, which usually has the density $1 \cdot 00$ and $1 \cdot 55$ is daily run into leaden pans, where it is concentrated byevaporation till it attaius tho density of $1 \cdot \%$. Fior many purposes this degree of concentration is sufticient, and the acid, called from its colour lBrown vitriol, is run for sale int" carboys or large flobular bottles of green glass. protected by lasket-work. If a further eoncentration is required, the brown acid is Ilrawn oft into retorts made of glass or platinum and evaporated until lt has a density of 1.81 to 1.85 . It lias now the appearance of a white cily liquid, hence the name 'oil of vitriol,' and is transferred into carboys, in which form it is sold as rectified sulphuric acid. The sulphuric aed of commerce invariably contains lead, also, generally, nitrons compounds and traces of hydrochloric acid. When it has bcen prepared from pyrites, arsenic is nearly always present, but for many purposes to which it is applied these impurities are of no moment, and when it is requisite they may be easily removed. The guantity of sulphoric acid now manufactured may be rouphly estimated, from the quantity of sulphur and sulphur ores consumed, at about 375,000 tons of $1 * 00$ specitie gravity. 'lh" greater portion produced, about 300,000 tons, is used in the manufacture of alkali, a very much greater and largely increasing quantity to the manufacture of superphosphate of lime for manure. The remaiuder is applied to the most various purposes in the manufacture of stearic, tartanc, acetie and other acids, in the preparation of sulphate of indigo, the puritication of oils of every kind, and many other manufactures, for it is, as it were, the very key to most other chemieal uperations.
'The selling price of the rectitied sulphuric acid. specitic gravity 1.84 and 1.85 , varies firom $\frac{3}{f} d$. to $1 d$. per 1 b ., that of the brown acid from $31.10 \mathrm{~s}_{\mathrm{t}}$ to $5 /$. per ton.

Sulphurous Acid.-It is formed whenever sulphur is burnt in atmospheric air ; it is a suffocating and pumgent gas, strongly acid, bleaches veretable colours with great rapidity, and is a powerfal antiseptic. These properties render it useful in bleaching woollen goods and strnws, and in arresting the process of vinous fermentation. Owing to its volatility and pungent odour, it is usunlly employed in combination with potassa and soda, or with lime.-These compounds are ealled sulphites. Its principal use, however, is in the manutincture of sulphuric acid.

Tannic Acid or Gallotannic Acid.-Tauning principle is contained in gall nuts of the Quercus infectorit, sumneh, \&e. Many other plants contain stabstances which resemble tannic acid, i. e. they precipitate allomen and gelatin from solution, and unite with animal membrane, forming a substance which resists putrefnction. It is on this principle that leather is manufactured, and the process is ealled tanning. All these substances are called tannic acids or tamin, although more exact investigations have shown them to differ in sone essentinl properties from the gallotannic acid obtained from gall mats.

Tartaric Acid.-This acid is proenred from the cream of tartar (bitartrate of potassa), obtained
by purify fermentat sation. boiling w as etlierves man acid tirtrate of from the tartrate of chloride ${ }^{\prime}$ remaluing tartrate o dilute sul formed, an and may tullimation. Austria an much empl eflervescius Its selling

Uric Ac serpelits a ammonia. of hot dilt use of this murexile, years since owing to the manufactur

For the a acids, we art and manuf Liverpool. ACORNS ghiande; glandes).
which are sa man in earl i. 106), are s of scarcity, they are now anil ponltry. With the ad the best sul) tringent and ACl?E. staudard Eng 40 poles or mill consequ I'revionsly t ol' weights a 7.4 , the acres varied consid standard acre How abolishe each rood 40 being equal Imperinl is $t$ one Scotch acres. The I and $10 \frac{21}{121} \mathrm{pol}$ perial acres.

ADELAII
Pritish colon from its por Vincent's Gu 'Thongh founc situated, this Some of the $h$ buiklings, are 18,259; in 18

The river ' 1 loses itself in that the city an inlet of situation is a city; and it
by purifying the crust, which separates during fermentation of wines by solution and erystallisation. The puritied bitartrate is alissolved in boiling water, and powdered chalk adiled as long as effervesceme is excited, or the liquil exhibits an acid reaction; tartrate of lime and nentral tartrate of potassa resuit ; the latter is spparatel from the former by tiltration. The solution of tartrate of potassa is then mixed with excess of chlorito of calcium, which throws down all the remaining acid in the form of a lime salt. The tartrate of lime thus obtained is treated with dilute sulphuric acid, sulphate of lime is then formed, and the tartaric acid enters into solution, and may be obtainel by evaporation and crystallisatlon. 'This acid is munufactured largely in Austria and France, as well as in Eingland, and is much employed In calico printing, also in making effervescing draughts and powders in pharmacy. Its selling price is nbout Is. $5 d$. per 1 b .

Uric Acid,--It is found in the excrements of scrpents and birds, and in gumo as urate of ammonia. It is extracted from guano, by means of hot dilnte hydrochloric acid. The principal use of this acid is for the purpose of making murexide, a beautiful purple dye, which some years since was manufactured on a large scale, but owing to the introduction of the aniling colours, the manufacture has gradually decreased.

For the above exhaustive account of commercinl ncils, we are indebted to the distingnished chemist and manufacturer Edinund Muspratt, Esq., of Liverpool.

ACORNS (Ger. eicheln, eckern; Fr. glands; Ital. ghiande; Span. bellotas; Linss. schedudii; Lat. frandes). The seed or fruit of the oak. Acorns, which are said to have formed part of the food of man in early ages (Virgil, Georg. i. 8, Ovill, Met. i. 106), are still used in some countries, in periods of scarcity, as a substitute for bread. With us they are now rarely used except for fattening hogs and poultry. They are said to make, when roasted, with the addition of a little fresh butter, one of the best substitutes for coffee. Their taste is astringent and bitter.

ACRE. A measure of land. The Imperial or standard English acre contains 4 roods, each rood 40 poles or perches, each pole $372 \ddagger$ square feet; nud consequently each acre $=43,560$ square feet. l'reviously to the introduction of the new system of weights and measures by the act 5 Geo. 4. cap. 74, the acres in use in different parts of England varied considerably from each other and from the standard acre; but these customary measures are now abolished. The Scoteh acre contains 4 roods, cach rood 40 falls, and eneh fall 36 ells; the ell being equal to $\mathbf{3 7} 06$ Imperial inches. Hence the Imperial is to the Scotch acre nearly as 1 to $1 \frac{1}{4}$, one Scoteh acre being equal to $1 \% 20$ Imperial acres. The Irish acre is equal to 1 acre, 2 roods, und $10 \frac{21}{121}$ poles; 304 Irish being equal to 49 Im perial acres. [Whights and Mensuies.]

ADELAIDE. A city of S. Australia, cap. of the British colony of that name, about 7 m . S.S.E. from its port, an inlet on the E . side of st. Vincent's Gulf, lat. $34^{\circ} 57^{\prime}$ S., long. $138^{\circ} 38^{\prime} \mathrm{E}$. Though founded so recently as 1844 , and not well situated, this is a well-built, prosperous town. Some of the houses, and most part of the principal buildings, are of brick and swone. l'op. in 1855, 18,259 ; in 1861, 18,303.
'The river Torrens, on which Adelaide is built, loses itself in a marsh before reacbing the sea, so that the city is about 7 m . distant from its port, an inlet of St. Vincent's Gulf. 'This inland situation is a serious drawback on the trade of the city; and it would seem that a mistake was
comuitted in not builaling it on, or much nearer to, the const. This, we are aware, has been deuided, though, as we think, upon very unsatisfactory grounds. Thero nppears, indeed, to be but littlo doubt that in mo very lengthened perion most part of the eommeree of the town will be tranaferred to the port; and thut it will be preferred as a residence by all commercial people. In the rainy seasou the Torrens is much tlooded, though it seldom overilows its banks, which are steep nund bolty ; but in tho dry season it has no current, its bed being then formed into a series of poois or tanks.
l'ort Alelaide, 7 m. N.N.W. from the city; in a low and marshy situation, consists of a number of dwelling-houses and warehouses, some of which are of stone with wharres, partly belonging to government, and partly to the South Anstralian Compuny. The inlet of the sea, forming the harbour, opposite the entrance to which a light vessel is moored, stretches from the ginlf, from which it is separated by a narrow neck of land, for about 8 m . sonthward, surrounding Torrens Island. At its mouth is a sandy bar with 8 ft . water at ebb and 16 ft . at flood tide; this depth being considerably increased during S, and S.W. winds. Ships of 400 or 500 tons may, consequently, pass the bar in safety, and once over, there is depth enough for the largest ships to the head of the harbour. (Dutton, S. Australia, p. 112.) Jarge vessels are, however, obliged to lie in mid-channel : but projects were recently on foot. for improving the harbonr, either by earrying out piers into the deep water, or by establishing a new port about 2 im, nearer to the harbour's montl, where the water in-shore is deeper, and the sitnation affords greater facilities for the accommodation of shipping. I'ort Adelaide has a custom-house; but vessels are exempted from all port charges in this and in the other ports of the colony.

Nuiling dircetions for Port Adelaide,-After muking Kangaroo Island, steer E. 多 N, through Investigator's Straits, between that island and Althorp Island. Should the wind be from the eastward, you will find no difficulty in beating throngh the straits, for anything in the way more than is pointed out in Flinder's chart. If bound up Gulf St. Vincent, great care is requisite to avoid Troubridge shoal, situate on the west side of the entrance, as the flood tide through Backstairs passage sets strong (particularly on the change and fall of the moon) directly upon the shoal: therefore coming from the westward the course should not be altered until Point Marsden bears S.W. by W. $\frac{1}{2}$ W.; when you will be about 10 miles from the highland, inside Cape Jervis, named in Flinder's chart North-West Bluff, when you may shape your course for the light-yessel N.N.E. 40 miles distant. For about six leagues up the gulf the land is high and bold, but above that the shore becomes very low with hummocks of sand upon it, and the same alescription of coast prevails to the head of the grulf. After passings the high coast land, the water shoals far out, and in some instances, when within the distance of 10 miles from the light, five fathoms will be found at a distance of four miles from the beach. Be careful of your soundings, particularly at night, and in running up to the light, keep as nearly as you can in between five and six fathoms water, not approaching inside tive, as within that depth the water shoals suddenly; and if you keep outside six fathoms, you may pass to the westward of the light and not see it. In these sounuings you will make the light ahead, which may be seen 12 miles from the deck of a ship. The shoal-called
the Bar-at the entrance of the port, bears N.E. one mile from the light-vessel. When you are within a proper distance, a boat will be sent to you from the light-vessel with a pilot and to receive all mails and letters. Should you sight the light in the early part of the night, you may anchor anywhere to the southward oi it in six fathoms, or keep underweigh until daylight, taking care to be to the sonthwarl of the light. and as near it as possible in the morning, as the tide answers early. Where the light-vessel is moorec, in lat. $34^{\circ} 44^{\prime} \mathrm{S}$., there anchorage is safe, but a good finll scope of eliain is required, never less than 50 fathoms, and, if it blow, a full chain. Never let go the second anehor if you can avoid it ; rather give more chain, as your vessel will ride much easier with one anchor down than two.

When bound down the gulf steer from the light-vessel S.S.W., which will keep you in sight of the land on the east side of the gulf, and ont of the influence of the tide through Backstairs passare, until you are to the southward of Tronbridge shoal; hut on no account shape a course that you may fancy will evable you to weather the shoals, thereby laying the shipis broadsite exposed to a rapid tide rumning directly upoi it, mutil you are suthiciently to the southward to shape your course down the strait.
In beating down the gulf never exceed a distance of 10 miles from the larboard shore (as the opposite side is shonl), and be careful when standing in to have a cast of the lead, as it is shoal a considerable distance oil until you get down to the highdand. In some places to the northward of Holdiast Bay there are not more than tive fathoms, at a distance of iour miles from the beach, and the water shoals very quickly withis that depth; but where the highland fronts the sea the shore is steep except a reef that lies a mite off, nbout three miles to the sonthward of Holdfist liay. The flat-staff at IIoldtast Bay is in lat. $34^{\circ} 58^{\prime} 28^{\prime \prime}$ S. In molerate weather endeavoar to be as close to the laud as possible by sunset, when you will he certain of the wind off the land, which will lead you down the coast. Do not allow yourself to be thrown afl nutil you are well down with Cape Jervis, and to the southward of Troubridge shoal, which is non extensive tlat, and only in the middle shows a patch of about 200 sards at high water.
Ships bound down Investigator's Straits, meeting a strong westerly wind, and wishing to anchor, will tind gooll hohling ground ciose in on the east side of Point Marsden, in six fathoms of water. Vessels coming from the east ward through Backstairs passage, and bound up the gulf, shoulat night be ipproaching, must keep on the north side of the passage, and haul romid Cape Jervis, all that eorast being quite boll. When the gulf is open shape a course N. by E. $\frac{1}{2}$ E. for the lightvessel.

The trade of Adelaide is already extensive; and will continue to increase with the inerease of the populatiou and trade of the colony, of which it is the grand emporium. The colmy is better suited for tillage than any other portion of the continent, and the exports of thour and grain are become of the tirst importance. The mines of copper, lead, \&e., discovered in the vicinity of Adelaide, are of the richest description, and the ores furnished by them form a principal article of export. In 188.2 the irf.ports of copper ore into this comatry from South Australia, chielly frum the Burra-Burra mine, amonnted to 8,582 tons. The discovery of the gold fielis, by attracting many of the labourers from the copper mines, fave a serious check to the progress of the litter.


Vessels registered in the province of under 50 tons, or whilst employed in the coasting trade, are exempt.
Rates of Pilotage; Port Adeluide.-For every vessel taking a lilot: in, $31.5 s$; out, 31.5 s .
Light Dues.-On vessels in Port Adelaide or in any of the outports in St. Viucent's Gulf, Nepea.i Bay, and the other anchorages in Kangaroo lsland to and from Great Britain and Foreign prorts, 3d. per ton in aad 3d. per ton out.
On vessels in Port Adelaide and above outposts to and from Victoria, Van Diemen's Land and other Australian Colonies 1hd. per ton in and lidd. per ton out.
On vessels coastwise above 100 tons $1 d$. per ton in and $1 d$. per ton out.

## Steam Tug Dues.


The same rates outwards.
Disabled steamers to pay on gross tonnage.
When two turs are employed the above rates are to be increasel by one third and the amount as augmented to be equally divided between the turs employed, aceording to distance.
When two vessels are towed the rates are reduced one-chird, and when more than two vessels are towed ono-half, according to distance for each yessel towed.

## Fees to Lieensed Murine Surveyors.

| For anrveying a ship's hatcheq and cargo, including attembince as requirel hy the inaster | $\begin{array}{lll}\text { c } & \text { a } \\ 3 & \\ 3 & \text { a }\end{array}$ |
| :---: | :---: |
| For earh set of cerriticate, as required by coosignees or merchanes, in tripheate | 0 IO |
| Survey of a ship for morance, incluting report as required ty undorwriters or atefts | 240 |
| Survey of a ship for referirs, incluilion attindance luring the process of such repairs, and drawing up of report on repairs being completed. | 440 |

Whurves.-Lay days allowed at wharves at lort Adelaide. All vessels ander 100 tons are allowed 0 days for the porpose of diseharging, and nll vessels above 100 tons the following number of days, Sundays not included: vessels from 100 to 300 tons, 10 days; 300 to 600 tons, 16 days; alove 600 tons, 21 days. Vessels discharging cargo have preference at the wharves. Vessels exceeding the time allowed and remaining on berth without permission to be charged one penny per ton for every week such lay days shall be excesded. Vessels loading or discharging at the wharves will be charged $3 d$, per ton register.

## W'harfuge Dues on Goods landed at or shipped from the Company's Wharf, I'ort Adelaide.

Arrowrool and Signe. per bnx of ewt.
fother sizes in prope $\begin{array}{ll}1 . & d . \\ 0 & 5\end{array}$ Bacon, per cutt. (hacr sizes in proportion.)
Hallant and Nome, per ton Hark,, , $r$ ton of 20 cwt .
Bee $f$, Betf, per tierce
Letlows (biackamith's) per prir

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surveying a ship's hatcheq and cargo, includink For earh set of cerrititicate, as required by consignies or merchants, is triphcate
quired toy undorw ititers or atients. hinvev of a ship fur referifs, inclu luring the process of such repairs, and drawing ap of report on repairs being completed -
rt

Beer, Whes, Spirits, Cordlals, Vinegar, (iil, \&c., per tun-
Dilto juer pipe or muncheon
per hawhead
per bairel
per quister
ver cetite
Bonts and shoe case or cask), per dexen quarty: Hran and pollard, per trunk lio 1 lv .
Breat, per cut.
Brieks, slate, and large tilen, per mhert 100 i Butter, per cwt.
Candlea, per bos and inger, per cwi.
Carriages $\binom{$-whewl each) }{ ( 2 -wheel each) }
Carrots per cwt.
(in shook per thn
Cemient, per barre) per bunille
Chatk, pee cwt.
Clasara, per 1, who
Coals: coke, nind firewoot, ier ton
cocoi nuts, per 100
Confectionery, per box, measuring fromi if fet to" feet
Copper, per cwet. .
Earthenware, prer erate -
Flour, per 10 m ler
Furniture, pur ton measurement -
liah (dry or salt), per bale

Fruits (fresh), per butt -
per carotel
per box
(dried), per cwt.
Fryinglians, per to
fimger, per ewt.
Ginger, per ewt. ©
Glass (window), per hos

imetrixs (see Canferthory Girain of all kints, per busliel
Hans or checks, per cwi. Harrown, each
Hay, pert ton of 20 ewt.
Mides (loone), per lisu
Hopa, jer poctet or bate
Horsers and cattle, per head -
Iron, jur cwi
Iren tanks, 400 pations, each
Lead, per cwt.
Aachinery, in rewt.
Sinnowing machines, earh
Chatl'cutiers, eaching thachiv es, enth
Miltstones, each
in heavy partages, jertewt.

Olimen's storen (we Contictumery). Gars, puer 100 feet
Gris, per ton
Vvents, tach
paint, ler cwt
pepper, par cws.
pitch, per harril
loughs, earlt
per loarrel
potatoen, per cwt.
Rattans, pur loo bundles
Hice, prrint.
Rops, $t$ wime, cordage, per rwt. $\quad: \quad: \quad: \quad: \quad: \quad 0$
Resin, per harrel
Naso (we Arrow root).


Skinw (nhery), per dosen
Shep, pixs, and koats, prer heat -
Soap thex of less than lews.
In larg. packeti per ewt.
Soda, pur bârrel

Splrits (vide ifeer).
SuRir, ine cwt.
Tar, per burr
l'ea, per liall-chest
Tohseca pite
Till phatea, per lor ${ }^{5}$ gross
Thnber : ilpay poolex, each.
Ihe.als, hattens, spars, logs, end sawn limber, per foud of 10 culice fect
frilis and hingles, per ino0.
Folage, ger tow


Wool, per hale packares, per to nippartl, \&e., lver tur of 30 culbic feet
llardware, and other heavy goods, per cwt.
Whepe the measurement or weight cannot le oltained, that goorly to te estinated nt a fair average rate.

Wharfage Regulations.
No gumpowder, rubbish, or filth to be landed on the wharf.

No boats or casks to be placed, linllast landed, spars made, wood cut, or casks coopered on the wharf withont permission.
No goods to be deposited on the wharf withis: fifteen feet from the Front Line.

Goods will be allowed to remain on the wharf 48 hours, after which time they will be liable to rent, and removed at the owner's expense.

The company will not be answeralle for any goods that may be damared whilst lying ont the whitrf, or what may be stolen from or plemdered thereon.

Vesseis londing or discharging coals, \&c. must use tarpaulins to prevent them falling overboard.

No tires allowed on the wharf.
The line of rail must be kept sufficiently elear to allow the free passage of the truck.
Bankiny.-Five bauks carried on business in Adelaite during 1864, and their operations wero further extended by the opening of several new bramehes and agencies throughout the conntry ilistricts. The increase in wealth and the somidness of the tinancial pusition of traders wall be manifest on a comparison of the following statements of the ngerregate assets and liabilities of the several banks for the three half years ending December, 1862, 1863, and 1864 respectively :-

Liabilities.


| Asscts, |
| :--- |

Total V'alue of Imports and Exports, 1805-64,


Deeennial Return of the Tutal Vrtue of Exports from the Province，distiuguishing the Countries to uhich Exported，during the Years 185t6－65；also the 7otal Value of Exports，the l＇roduce of the Colony．


The iteturns da nue give this Information，In iletail，priar to $1 \times 3 \%$ ．
Decennial Return of the Quantity and Value of Metals，Minerals，$\oint$＇．，the Produce of the Colomy Exported during the Years 1856－65．

| Vears | Copuer |  | Leat |  | Copper Ore |  | Lead Ore |  | Hegulus |  | Total <br> Values |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Falue | guantity | Value | Quantity | Value | Quantity | Value | Quantit | Vatue |  |
|  | cwtw | \％ $4 \times 160$ | －wts． | $\pm$ | tons g， 118 s 4 | 136,351 | tens | ${ }_{5}^{5} 7$ | ${ }_{71}$ | ${ }_{2} \stackrel{\text { ¢ }}{5}$ | $\underset{408.0512}{\text { ¢ }}$ |
| 1s37． | 56,595 | 241，${ }^{1059}$ | － | － | $8,02.67$ | 141， 28 | 1，428 | 23，${ }^{\text {，} 55}$ | 79 | 4,1160 | 4．n．8．8i9 |
| 14．is－ | 47．i9i | 250，042 |  |  | 6，697 | 107，280 | 833 | 14，200 | 131 | 3．2til | 31．，282 |
| 18．as－ | 56，7 10 | 209， $0^{2} 1$ | 1，26il | 5，710 | 7，3046 | 101．713 | 264 | 8，068 | 111 | 5，6．61 | 111， 115 |
| 19E！ | 65，119 | 3，1，775 | 1， 1.21 | 8,275 | 7， 0197 | A！，13， 31 | 68 | 2，480 | 338 | 14，877 | 16， 1637 |
| 1861－ | 61,017 | 291，572 | 1，2515 | 4，426 | 7，30 | 13，7， 19 | 15 | 300 | 330 | 19，125 | 452,174 |
| 1 lfiy | 85， 78.2 | 4010，591 | 126 | 951 | 6，216 | 125，263 | 97 | 2，266 | 418 | 19,518 | 547，619 |
| $1 \times 6.3$－ | $96,433 ?$ | 117，911 | 271 | $3 \pm 3$ | 6,313 | 53.962 | 4.507 | 9.107 | 39 | 1，6．55 | 512,393 |
| 1xil． | 1，51，0．3 | 637，791 | 6.3 | 121 | 17，${ }^{3} 17$ | 38，125 | 5663 | 13，107 | 52 | 4，480 | 6！1，621 |
| 1s， | 180， 136 | 4．3， 3115 | st | 1．．3 | 16，176 | $1 \times 1.677$ | 86.5 | 1,5107 | － | $\underline{-}$ | 6211，112 |

Return relutice to Lighthonses on the Consts and Ifurbours of South Australia，for the Tears 1860－65．

| Lisht－house or I．ipht ship where sithated | Names | Nature of the Ligint | By whom managed | Expense of Man． arement and stores |  | Amaunt or tight－ dues recelsed |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Vear | Amment | Year | Amount |
| f＇ont Adelmale－－－ |  |  |  |  | $\begin{array}{llll} \pm & \text { s．} & \text { d．}\end{array}$ |  | $\boldsymbol{E}$ c． |
|  | Tronbrialge Lighthuse | Two fixed bright lights | ＂） | \} 1860 | 1，053 19 5，1 |  | 1，812 ${ }^{7} 7^{*}$ |
| Cape Borda，liangaroo Island | Flinders－－ | Hevolving－white and red（ $\frac{1}{2} \mathrm{~min}$ ．） | ＂ | 1＊61 | 3，412 $16 \quad 6$ | 1.961 |  |
| Cape Wiltoughby，Kangaroa Island | Sturt | devolviag－white（13． | ＊ | 1862 | $1,41113 \quad 4$ | 1862 | 351311 |
| Cape Northumberland－－－ | MacDumel－ | Revolving－white，red， | ＂ | 1863 | 12,46217818 | 1863 | $2,25513.3$ |
| Gienelu Jetty－＊－－ | thenels－－ | Fixad mrien（ $1-\mathrm{min}$ ．） | 1 kecper | 156.4 |    <br> 4 15 11 | 1861 | 2，510 96 |
|  | Comaphore－${ }_{\text {cijur }}$ | Fixed－rul－${ }^{\text {bixed－white and red }}$ | i këpers | 156： | $1,96913 \quad 2 \begin{aligned} & 1 \\ & 1\end{aligned}$ | 1865 | 5，569 76 |

Population of S．Australin on Dec． $31,1865,150,605$ ．ratio of the exports of each of these during the Revenue in I86． $725,835 \mathrm{I}$ ．
Lexpenditure in 1864， 626,6881 ．
＇The revenue derived from the customs，the only source of tasation，the remainder having been acquired by land sales，\＆e．，was in the same yeur 203,3492 ．，being at the rate of $11.78 .8 d$ ．per head of the population．

The governor of Sonth Australit，in lis report for the year 186．t，mentions as indicative of the purchasing power of the community of that colony， that the sum paid per head for imported gooms amounted in that year to 14l．8s．per heal of the whole population．Of British goon＇s alune the consumption per head was 81 ． 5 s．
The vulne of the imports and exports from and to the United Kingdom were in the same years respectively：－

|  | 1mparts | 2 |  | Exports | $\pm$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1860 | －－ | 93！1，315 | 1860 | $\cdots$ | －783，898 |
| 3861 | －－ | 1，111，254 | $1 \times 51$ | －－ | － $821, \mathbf{8 6 \%}$ |
| 1864 | －－ | 1，175．963 | 1Nfit | ＊ | －713，607 |
| 1816 | －－ | 1，177，906 | 18.3 | －－ | －9nis， 810 |
| 1864 | －．． | 1，217ri68 | 1801 | －． | －918，523 |

With regard to the amount of the export it is necessary to bear in mind that large puantities of South Australian proluce，chichly wool and minc－ rals are shipped to the other Aistralian colonies for transhipment to the United Kingdom．
The principat produce of the colony consists in breadstalts，wool and mincrals（copper and eopper ore）；the table appended will show the percentage

| Five Vears ensling with | llatio of A verage of Five Years＇Exports of each Class to total Hxports $=1$（h） |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 13readstuff | Wool | Sinerals | Ni－cel． lancous |
| 18.5 .5 | per cent. $5!3$ | per cent． $28 \cdot 4$ | pier cent． $3 \times \cdot 1$ | per celt． （i．1 |
| $1 \times 36$ | 3 | $24 \cdot()$ | $\begin{aligned} & 32 \div 5 \\ & 28+5 \end{aligned}$ | 519 |
| 14.7 | $411 \cdot 4$ | 31.5 | $21 \cdot 6$ | $4 \times 2$ |
| 18，${ }^{\text {ck }}$ | $40 \cdot 6$ | 311.7 | 2.304 | $3 \cdot 3$ |
| 18.9 － | $39 \cdot 3$ | 31.5 | 27.1 | $2 \cdot 1$ |
| $14+10$ 18.101 | $3 \times 12$ 38.0 | 31.9 | $27 \cdot 6$ 46.7 | 4•f |
| 18161 $1 \times 10$ | 38．0 | 34.5 | 46.7 | $2 \cdot 4$ |
|  | $35 \cdot 3$ $35 \%$ | －3．3 | $27 \% 2$ $27 \% 1$ | （3．19 |
| 1ゝら1． | $3 \mathrm{~S} \cdot \mathrm{~s}$ | 31.8 | 25.7 | 37 |

The relative values of the exports of each of theso articles during the same year was as follows：－

| Vear |  |  | Wrol |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Quantity | Value |
| ${ }^{184}$ |  | ${ }_{\text {1 }}^{15} 5$ | ，1198， |  |
| 18， | \％ |  | 边 | （42， 416.16 |
| 12，54： |  |  |  |  |
| 1， |  | 446，3，37 | 11，736，75 | ${ }^{2851,4,378}$ |
| ｜litit | 7， 713,789 |  | （13， 104,741 |  |
| ${ }^{1863}$ |  | 312，393 | 15， | － |
| 1661. | 1，461， 319 | 691，044 | 16，1992，193 | 775，6，56 |

Wheat Crop．－The important character of this
justify the colonial bl the extent The acre 300,836 acr land．In 1 wheat，or increise thi： per cent． $4,252,949$ bu in the yiek lecrease of per acre be fourtcen bu average pro On one ne harvest bee 1859－60，w］ were reaped other partic wheat durin given in the in that short has more tha

Season

18．68－59
18， $189-59:$
$1561-1 i 1$
$1861-62$
$1814-6.5$
813－6i！
Seven－eigh liv machine， last year，no tion．Out of gathered by $n$ acres secured reaped by mal acres altogeth


In additi cleared at river trade．

The entries Britain，Victon tute the must They were in t

Great Iritain，ente
Victaria，mentered
New Neuth Wrades，
The immens durime the past the aboverstate been exported sterling：：and，， the exports ami with $6,7,00,0001$ showing an in
justify the following valuable extract from the advantage the farmers possess over those of the colonial bhe book for the year 1864 in regard to the extent and mature of the erop.

The acrenge of the wheat crop amountel to 390,830 acres, or two thirds of the total cultivated land. In $181 ; i-4$ there were 335,758 acres under wheat, or sixty per cent. of the tilled land; the increise this season has therefore amounted to six per cent. The tutal proluce of the harvest was $4,2: 2,949$ bushele, comparol with $4,691,919$ bushels in the yied of the previons harvest, showing a decrease of 438,970 bushels-the average yield por acre being only eleven bushels as against fourtcen bushels, ant one bushel less than the average production of the past seven seasons.

On one occasion oniy churing that perind has the harvest been less proluctive, viz. in the year 1859-60, when ouly 9 bushels 38 lbs per nere were reaped. The yield for cach season, and other particulars respecting the cultivation of whent during the septemuial perion just closed, is given in the following table. It will be seen that, in that short space of time, the growth of wheat has more than doubled.

| Season |  | Arres culavated | Acres under Wheat | I'roduce, W'iveat | Average per Acre |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | luthels | b. Ils. |
| 1858-59 | - | 261,162 | 185,76.7 | 2,109, 11 | 1111 |
| 185! -fil - | - | 3(i),8s) | 21x,216 | 2, $20.3,111$ | 9 Ss |
| $1 \backslash 6 \mathrm{l}$ | * | 425,516 | 27, 1.7 | 3, 76.595 | 1.71 |
| 1861-62 | - | 486,8667 | 510,687 | 3,111,7.26 | 1) 59 |
| 1862-tis | - | 191,511 | 320 21.1601 | 5, $\mathrm{K} 11, \mathrm{K24}$ | 120 |
| 158i, 18.64 | - | 6.3.96is | . $5.2 .5,7.58$ | 4,6\%1,91! | 140 |
| 131itutis | - | 9, 87.75 | 5! 11.8 .36 | 4.2.22.914 | 110 |

Seven-eightlis of the wheat crop was reaped by machine, the area hand-reaped being less than last year, notwithstanding the increased cultivation. Out of 390,836 acres, $339, i 18$ acres were gathered by machine, being an increase of $57,0: 21$ acres secured in that manner, whilst the quantity reaped by manual labour only amountel to 51,095 aeres altogether. One, if not the most important
sister colonies is the expelition and economy with which their crops can be sceured, owing to the suceessful working of the reaping machines now universally used on all but billy land, permitting of the grain being reaped, wimowed, eleaned, and bagged on the harvest field, and removed into store ere the day is clesch.

Minerals,-'lite annexed table affords a comparison of the amonnts of copper and eopper ore exported from the culony during the periods indicated. The most important eopper mines are those of Kapiond:a and Burra Burra.

| deriowls | Copper | Copper (3ro |
| :---: | :---: | :---: |
| In the year 19\% | cwts. | $\begin{aligned} & \text { toos } \\ & 4.1134 \end{aligned}$ |
| Inily - - | 56, 415 | -3,36 |
| $16 \mathrm{il} \mathrm{l}^{-}$ | 1360.0 .5 | 1, 31 |
| Total In tive scars, 185.7-59. | 418.469 | 3.1,516 |
|  | 412,112 | 31.718 |
| A verage of five years, $14,3,5-99$ | $4.3,731$ $88.4 \times 8$ | \%, 101 6,204 |

The annexed is a statement of the shipping and tonnage contered at and cleared from South Australian ports since the ycar $185 \overline{5}$.

|  | Years |  | Inwarils |  | Ontwards |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Num. ber | Tonnage | Nuot. ber | 'Coonage |
| 1S.3.7 | - - | - - | 561 | 114,999 | 5.51 | 110,911 |
| 1N56 | - - | - - | 471] | 115,6is | 437 | 116,504 |
| 1867 | - - | - * | 486 | 140, 36.5 | 481 | 1.11,9\%) |
| 18.58 | - | - - | 371 | 98.812 | 3 H 7 | 93, 543 |
| 18.5! | - - | - | 10: | 111.4 .38 | 31 | 161,69\% |
| 18.0 | - - | - . | 321 | 110,1881 | 534 347 | 1110,3.3 |
| 1561 | - - | - . | 401 | 10.3,19\%; | $5 \times 7$ | 96,15\% |
| 1562 | - - | - - | 371 | 10,931 | $3!3$ | 111.296 |
| 186.3 | - | - | 410 | 127, hin 7 | 4115 | $167 . \times 26$ |
| $1 \times 64$ | - | - - | 617 | 1618.419 .5 | 619 | 161,29, |

The following is a summary of the tomage entered and cleared respectively in the foreign trade in 1863-4, from the virions ports of South Australia, of whieh there are eight in addition to Adelaide.

| l'orts |  | Inwardy |  |  |  | Putwards |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Ships |  | Tımake |  | -hips |  | Tominase |  |
|  |  | 1863 | 1861 | $1 \times 6 i 5$ | $\underline{\text { atil }}$ | $1 \times 1.3$ | 1501 | 150.0 | 12.1 |
| Fort Adelate - |  | 535 |  | 10a, 515 | 124,2.86 |  |  |  | 128.38 |
| Cumusta - | $\because \quad$. | 8 | 11 | 1,33\% | 1,409 | $\stackrel{3}{8}$ | $\underline{6}$ | $2,1!10$ $\vdots .103$ | 3,01, 1.91 .3 |
| Macdonnell | - - | 21 | 39 | 1,717 | 4,7is | 2.5 | 34 | 1,496 | 4,353 |
| Kole - | - - | 5 | 11 | 2.23 .5 | 3.9205 | ${ }^{6}$ | 15 | 5.2et | 4,194 |
| W.allarot - | - - | 3.5 | 69 | 10,0,3,3 | 17.005 | 10 | 311 | 2.117 | 8,13, |
| Wallanas: | - : |  | 25 | 1, $\mathrm{B} \boldsymbol{3}$ | 5,984 | $2 \times$ 13 | IS | $1,69 \%$ 2,207 | 6,197 |
| Victor - | $\therefore \quad-$ | .. | $!$ | 1, | 1,3,34 | 13 | 1.5 | 2,207 | 1,115 |
| '1.1at | - | 411) | 61: | $120.6,4$ | (10,4日, | 114 | 4,19 | 127, ${ }^{2} 4$ | \| $614,{ }^{2}+1$ |

In additi to the above upwards of 4000 tons cleared at $p^{\text {vorts }}$ on the Murray; enguged in the river trade,

The entries and elearances from and to Grent Britain, Victoris, and New South Wales, constitute the most important item of the tomuge. They were in the ycars 1863-I as follow:-

|  | 146.3 | 18 sa |
| :---: | :---: | :---: |
| Great Brilain, entered | ${ }^{\text {cosen }}$ | 2014, |
| Victoria, entered ${ }^{\text {cearet }}$ | 11,465 |  |
| New Soutileard Males, enteredio | 34.169 | Si, 0,0 |
| New South W'ales, entered | 30,4, 31 | 48, $4 \times 3$, |

The immense progress the colony has made tluring the past ten years is very clearly shown in the above statement. In that period prodnee has been exported of the value of over $17,000,000 /$. sterlius; aud, during the latter half of the period, the exports amomuted to $10,500,0001$, as compared with 6,750, toth)., in tho preceling flve years, showing an increase of one-third, or $3,750,000$.
nearly. The average of the quinquennial period ending 1859, was $1,337,312 l$. per annum, and during that ended in 18 tit $2,089,269 \mathrm{l}$. annually. In lanis the exports ot probluce amounted to
 they reached $3,015,335^{\prime}$-an adsance of 100 per cent. daring the hast tive years. In 1855 the exports of pronince averaged 81 . per heat of the population; in 1859, $12 l$. As. per heod; aml in 1sitit, at the rate of $20 l$. 3s. per head of a population numbering about 150,000 souls.

Customs Tariff, 1866.


N.B.-Wor changes in tariff, sec Cohmaial $P_{0, s-}$ sessions, Tariff' of, ammally presented to parliament.
All imported goods not included in the above mentioned list, to which duties are attached, and not speceitied in the free list will pay an ad valorems duty of 5 per cent.

Free List.-Animals (living), baggare of passengers, bags and sacks, viz. corn sacks, ore bags, wool-packs; books (printed), bullion and coin, coals, coke, and other fuel; corn and Howr, mauures, plants and trees, rreen fruit, seeds and roots, potatoes, garden seeds, viz, lucern, clovertares, and such like; skins and hides (raw), specimens of maturd history, tallow, wool, unsmelied ores, shooks, and staves.

Customs Turiff on Exports by the Murray Mirer. 1 Prochamations dated December 3, 185̈7, and November 17,1858 , fix the subjoined tarif and drawbacks on goods intended for comsumption in Victoria or New Sonth Wales, and which have been agreed on ly the govermments of the said colmies. It is preseribed that the duties specified in the tariff shall be levied upon any goods imported into South Australia, and intended for consumption in eitlici of the said columes, or waterborne upon the river Murray for exportation into cither of the said colonies. The drawbacks will be allowed for any duties which may have been paid on any such goods in aecordunce with any tarifl for the time being in force in South Aistraliat.


Peturn showing the Number and Tonnage of Vessels Built and Registereal accordiug to Ianic, in the Procinee of South Australiu, ti, the year 1860., inclusiec.

| Peried | Vinctis thute |  | Vand <br> Il. Hisicted $^{\text {d }}$ | Heginters Cuntelled | V'rs,els belongbug to lort idelande |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\stackrel{\text { 先 }}{E}$ |  |  |  | $\frac{\square}{6}$ |
| J'restors |  |  |  |  |  |  |
| to 1 l ¢0 | 19 | 44.5 | $79,6,2221$ |  | - | - |
| $18: 1$ | 7 |  | 3 3 56111 |  |  | - |
| 1811 | 5 |  |  | 12010,561 | - | - |
| 14.92 | 3 |  | 214 | 120 |  |  |
| 18.51 | 3 | 77 | 19 2, 2145 |  | 6if | 6, 10.14 |
| 18.5 | 7 | 3.35 | 17 12,113 | 81,501 | is | 7,3.31 |
| $1 \times 16$ | 7 | 471 | 14 1,8.50 | $131,8 \geq 1$ | Kı1 | 7,36i, |
| 14.50 | - | --1 | $10 \times 2.271$ | 1420.511 | 78 | 7. 2193 |
| 14is | 9 | 505 | $2011,8 \mathrm{FiO}$ | 1! 2, 617 | 79 | 6.514i |
| 11939 | 4 | 10.5 | 6 . 384 | it 1,397 | 7. | 3.195 |
| 1460 | 4 | 2 cis | 14 1,93.3 | $101,1 \% 5$ | 7.5 | 6, 0.113 |
| 1)til | 4 | 172 | $12 \mid \%, 1.87$ | $9 \times 71$ | 81 | 7, ${ }^{5} \mathrm{~m} 9$ |
| Itriv | 1 | 218 | $8{ }^{8} 1,464$ | 7 6!1 | 81 | x, mit |
| $1 \times 1.5$ | 1 | 19 | 13 2,285 | If 1, il , | 811 | 9,:483 |
| [4ti] | 4 | 1311 | 23 d, 4, 6 | [) 1,1111 | 11 | tx,91\% |
| 12155 | K | (16): | 4 s 1,384 | 91.379 | $1!7$ | 13,976 |

$\left\lvert\, \begin{gathered}\text { Number, Tonnage, and Crews of Vessels of each } \\ \text { Nution entereid ut Ports in the Colony of South }\end{gathered}\right.$ Nution entered ut Ports in
Australiu in the year 1860.


Number, Tomage, nud Creu's of 1'rssels of each - Vation cleared at P'orts in the Coluny of South Australia, in the year 186.5.


ADEN. A town and seaport of Arabia Felis, in the province of Yemen, lat. $1 \geqslant 0 \cdot{ }^{\prime} 5^{\prime} \mathrm{N}$.; long. $40^{\circ} 3^{\prime} \mathrm{E}$. It was captured in 18.19, and has been attached ever since as an notlying possession under the government of Bombay. The territory consists of a momutainous peninsula connected with the main land by a narrow isthmus nearly covered in spring tides. There is a splendid harbour, and the port is free, there being no customs levied. The site is murivalled as an entreqût for commerce. Light-vessel, ronth side of ehannel, imer harbour mowred in 21 feet. Latt. $1204^{\prime} \mathbf{N}^{\prime}$ N., long. $45^{\circ} 1^{\prime} 15^{i}$ l. The light is fixed, it is seen seven miles in clear weather, and is 35 teet alove hirith water. It fires a gun and burns a blue light on a vessel entering. It is said to be a very bad light. The tradf, has conside rably increased under British managencent. Its military position is one of great importance, und the fortifications are massailible by any native force. The climate may be considereal bealthy and agrecalle, the seasons are diviried into liot and cold, the former prevailints from April to ()etober and the latter during the remainder of the vear. Hain falls occasionally
 The trade of Aden annunted in 1863-64 to $1,45 \times, 9881$, and in $186 \cdot 1-165$ to $1,538,2933$. , showing an increase of 50,3051 . Thus is nothing takiug into consideration the article coal, which is supphed exclusively for the steamers plying at this port. The principal articles of import appear to be eotton, cotton and silk picee goots, grain, livestock, metals, provisions, seeds, and tolaceo. The chief artiches of export are collec, dyes, ostrich feathers, gum, hides nud skins, ivory, piearls, The princjpal external trade is carried on with Afriea, Arabia, and I'ersia, Americt, China, Calcutta, and


A 1) E Ninsurana goodEnglan
posed t
sum;
insured
in whic
If the
idlopt t
luss, un
lial a c
were g
partial
proved.
' The and ins foods sh if they owner $t$ stated is insured sea, just same co cost or have bee that is, prime ec with the occasion how is tl tained? raken fro this way sugar, ha it be a damage llow is $t$ at the pe port of de the whold the latter in eithere foods are it they l the injury the value the whole so it it bo jays a th which it And when invoice of and the dation upe

Thus, st

ADJUSTMENT
Bombay. The export trade to Arabia amounted to 394,2981 ., and the value of imports from the same souree, to 159,778 l.

Shipping, 1864-G.


The principal places with which the country eraft trade is carried on are Bombay, and Malabar, Africa, Red-Sea ports, Arabian and Persian tiulf.

ADJUSTMENT. In Commercial Navigation, the settlement of a loss incurred by the insured.

In the case of a total loss, if the policy be an open one, the insurer is obliged to pay the goods according to their prime cost; i. c. the invoice price, and all duties and expenses incurred till they are put on board, including the premium of insurance. Whether they might have arrived at n good or a bad market, is held by the law of Eagland to be immaterial. The insurer is supposed to have insured a constant and not a variable sum; and in the event of a loss occurring, the insured is merely to be put into the same situation in which he stood before the transaction began. If the policy be a ralued one the practice is to adopt the valuation fixed in it in cave of a total loss, miless the insurers can show that the insured had a colourable interest only, or that the goods were greatly over-valued. In the case of all partial losses, the value of the gools mist be proved.
'The nature of the contract between the insured and insurer is,' says Mr. Justice Park, 'that the fools shall come safe to the port of delivery; or, if they do not, that the insurer will indemnify the owner to the amount of the value of the goods stated in the policy. Wherever then the property insured is lessened in value by lamago received at sea, justice is done by putting the merchant in the same condition (relation being liad to the prime cost or value in the policy) in which he would have been had the goods arrivel free from damage; that is, by paying lim such proportion of the prime cost or value in the policy as corresponds with the proportion of the diminution in value oceasioned by the damage. The question then is, how is the proportion of the damage to be ascertained? It certainly cannot be by any measure raken from the prime cost; but it may be tone in this way: Where anything, as a hogshead of sugar, happens to be spoiled, if you can lix whether it be a third, a fourth, or a tifth worse, then the d:mage is ascertained to a mathematical certainty. llow is this to be found out? Not by any price at the port of shipment, but it must be at the port of delivery, when the voyare is completed and the whole damage known. Whether the price at the latter be high or low, it is the same thing; for in either ease it equally shows whether the damaged poods are a third, a fourth, or a fifth worse than if they had come sound; consequently, whether the injury sustained be a third, fourth, or fifth of the value of the thing. And as the insurer pays the whole prime cost if the thing be wholly lost, so it it be omly a thirl, fourth, or tifth worse, he pays a third, fourth, or fifth, not of the value for which it is sold, but of the ralue staterl in the policy. Ind when no valuation is stated in the policy, the invoice of the eost, with the addition of all charge. and the premium of insurance, shall be the fomedat:on upon which the loss shall be computed.'

Thus, suppose a policy to be effected on goods,

ADVERTISEMENT
the prime cost of which, all expenses included, amounts to 1,0001 .; and suppose furtlier, that these goods would, had they safely reached the port of delivery, have brought 1,200 l., lut that owing to damage they have met with in the voyage, they only feteh 800l.; in this case it is plain, inasmuch as goots that would otherwiso have been worth $1,20 t)$, are only worth $800 l$., that they have been deteriorated one third; and hence it follows, conformably to what has been stated above, that the insurer must pay one-third of their prime cost ( 1.0001. ), or 3331.6 bs. 8 d., to be insured.

In estimating the value of goots at the port of delivery, the gross not the net proceeds of the sales are to be taken as the standard.

A ship is val 1 at the sun she is worth at the time she sails on the voyage insured, inchuding the expenses of repairs, the value of her furniture, prowisions, and stores, the money advanced to the saibors, and. in general, every expense of the outlit, to which is added the premium of iusurance.

When an adjustment is made, it is usual for the insurer to malorse upon the policy 'aljusted this lossat (so much) per cent.,' payable in a given time, generally a month, and to sign it with the initinls of his name. This $i^{4}$ considered as a note of haml, and as such is primá facie evidence of the debt not to be shaken, but by proving that fraud was used in obtcining it, or that there was some misconception of the law or the fact upon which it was made. See, for a further discussion of this subject, the article Maune Insumance. Park On the Law of Insürance, ch. vi.; Marshall, book i. ch. xir.

ADMEASUREMENT. [TonvaciE.]
ADMIRALTY COUR'T. This court is strictly that of the lord high almiral of England. The julge is styled his lieutenant. Since, however, the office of lord high admiral has been in comsmission, the judge las been appointed by the crown, and possesses jurisdiction in all marititue cases, both of a civil and criminal nature.
The high court of admiralty was formerly held at St. Margaret's IIall in Southwark. During the plague of London it was held at Jesus Collere, Oxford, the principal of this society, Sir Leolino Jenkins, having been judge of the court. 13ut at, or about, that time it was transferrel to the common hall of Doctors' Commons. It is a court of great antiquity, and is said as early as 26 Edw. I. to huve existed time out of mind. The rules by which it was governed were the ancient laws, customs, a'ud usages of the seas, including such selections from the laws of Khodes and Oleron, the Waterrecht of Wishuy, the IIanseatic ordinances, the Convolato del Mare, the marine ordinances of Lonis XIV. (1681), ind others which from their natural justice and sound poliey obtained penerallyin the ailmiralty courts of E゙urope. (I'ritchard's Digest, Preface.)
In ordinary cases, the Court of Admiralty is said to be general, in prize cases it is known by the: name of Instance Court, and is called into existence from time to time, and as occasion arises, by a special commission under the great seal, at the commencement of each year. Appeals in prize cases are by a recent Net referred to the Judicial Committee of Privy Council.
ADVASCE-implies money paid before goods are delivered, or upon consigiment. It is usual with merehants to advance from a half to twothirds of the value of goods consigued to them. on being required, on their receiving invoice, bill of lating. orders to iusure them from sea risk, de.

AIVERTMSEALENT. In its general sense, any information as to any fact or circumstance that lans oceurred, or is expected to occur; but, iu
n commercial sense, it is understrod to relato only to intimations with respect to the sale of articles, the formation and dissolution of partnerships, bankrupteies, meetings of erediturs, \&c.

Previously to 1833 a duty of 3 s . $6 d$. was eharged upho all advertisements, loug or short, insertel in the Guzette, or in any newspaper, or literary work published in parts or numbers. This duty added about 100 per cent. to the cost of ouinary advertisements, and having been in consequence much objected to, it was reduced in che above-mentioned year to 1s. Gd. We venturel, at the time, to prediet that this reduction would not he productive of any very serious injury to the revenue, and the result did not disappoint our expectations. In 1s:3:, the last year of the ligh dity, the alvertisement duty amounted to $170,650 l$., whereas in $185{ }^{2}$ it amounted to 181, 1961 ; and though a large portion of this increase must be ascribed to the increase of population and of the demand for adtvertisements in the interval, still there is no room or ground for supposing that it would have been nearly so great but for the reduction of the duty. But notwithstanding its diminution, the tas was a serious obstruction to the diffusion of information nseful to all classes, and especially inclispensable to commercial men. And it was, at the same time, unfair and unjust. What could he more partial and oppressive than to impose the same duty on the notice of the publication of a sispenny pam$p_{\text {phlet, or of a }}$ a servant out of place, as on the intimation of the sale of a valuable estate? And as it was quite impossible to obviate this injustice while the duty was maintained, its repeal, in 1855, was at once a wise and a popular measure.
The best evidence of the enormons 'increase of advertising since that year, will be found in the increase of newspapers, the advertisements in which are one of the main sources of their profits. It was estimatel by a writer in the English Encyclopedia in 1859 , that the number of alvertisements in the Dinitel Kingdom amounted to upwards of $4,000,000$ annually. Since that period, however, owing to the vast increase in the munber of newspapers, periodicals, and other vehicles for advertisement, the numbers must be consiterably in excess of that estimate. To these advertisements in newspapers and other printed publications should be added, the numerous notices at liailway stations, and other places of public resort.

ADVICE. It is usually given by one merchant or bauker to mother by letter, informing him of the bills or drafts drawn on him, with all partictlars of date, or sight, the sum, to whom made payable, \&c. Where bills appear for acceptance or payment, they are frequently refused to be honoured for want of adrice. It is also necessary to give advice, as it prevents forgeries: if a merchant accept or pay a bill for the honour of any other person, he is bound to advise him thereoi, :and this should alwars be done mader an act of homonr by a notary public.

AGAli-AGAle (Ch. hái tsái, sera regetable). This term includes all sorts of edible seateed, the preparel agar-agar is called liung tsaii or cooling Prgetable; shili huca tsai is the name of large sorts of seaweed. Agar-agar is the Malay name for the marine alge (Plocuria [Fucus] tenax) growing on the rocky shores of the Malayan islands, from which a glatinous jelly is prepared for the table by bolling; the name is likewise given to the jelly, and something very similar to it is also made from other species of seawed, and applied to many useful purposes. The bamboo framework of lanthorns is covered with paper saturated with this gum, which when dried is semi-transparent; it is also used by the paper and silk manufacturers
as an ingrelient in siziog some varieties of their goods. It is incomparable as a paste, and is, moreover, not linble to be eaten by insects. Over 150,000 riculs were imported into Shanghai alone in 1859, and the amount at other ports is not small; the average prico there was 6 dollars jer picul, but it is got for $1 \frac{1}{2}$ to 2 dollars at the south. Its cheapness and admirable qualities as a pasto render it worthy the nttention of manufacturers in other countries. (Williams's Chinese Com. Guide.)
AGATE, popularly CORNELIAN (Ger, achat; Dutch, achaat; Fr. agate ; Ital. agata; liuss. agat; Lat. achntes). A genus of semi-pellucid gems, so called from the Greek axaing, because originally found on the banks of the river of that name in Italy. It is never wholly opaque like jusper, nor transparent as quartz-crystal: it takes a very ligh polish, and its opaque parts usually present the appearance of cots, eyes, reins, zonies, or bnals. Its colours are yellowish, reddish, bluish, milkwhite, honey-orange, or ochre-yellow, tlesh-blood, or brick-red, reddish brown, violet blue, and lrownish green. It is found in irregular rounded nodules, from the size of a pin's hical to more than a foot in diameter. The lapidaries distinguish agates nccording to the colour of their ground: the finer semi-transparent kinds being termed oriental. The inost beautiful agates found in Great Britain are commonly known by the namo of Scotch pebbles, and are met with in dilferent parts of scotland, principally on the mountain of Cairngorm; whence they are sometimes termed Cairngorms. The German agates are the largest. Some very line ones have been brought from Siberia and Ceylon. They are found in great plenty at the eastern extremity of the settlement of the Cape of Good IIope; and are still met with in Italy. But the principal mines of agate are situated in the little principality of Rajpepla, in the province of Gujrat, fourteen miles distant from the city of Broach, where they are cut into beads, crosses, suuff-boxes, \&c. They are exported in considerable quantities to other parts of India, and to this country: and hence, perhaps, the jewellers' term brooch.
The Cierman agates are principally obtained from the mines of Oberstein, at Gulgenberg. There are several varieties of the agate, the principal of which known in commerce are chalcedony, the colours of which are in parallel bands, the onyx, the cornclian, the mocha stone, which is procured from the last, the moss agate, the jasp and opal agates, the plasma or heliotrope, or bleod stone, the clirysoprase, the sarlonyx, and the clurysolite or peredox, or olwin. This stone being porons, its colours are frequentiy heightened by artificial means; the process was long kept a secret in the liast, hut is now commonly known in Germany and elsewhere. Chaleedony is capaible of being coloured to imitate the turquise.
AGENT. [FActom.]
AGIO. 1 term used to express the difference, in point of value, between metillir and paper money; or between one sort of motallic money and another.
AL ROO' (Moriuda citrifolia). The varietien of the Morinda grow freely throughont lutia, Malacea, Burmah, and Java. 'Ithe bark and root of the Morinda cifrifolia are used in dyeing, and furnish the dye used principally in dyeing the Madras red turbans. The colours thas whtained are very permanent, and are of three shades, bright red, pink red, and light red. Mr. Dashwood states, 'The al root is cultivated in the Banda Purgrannal. The Hummerpoor district is the great produciug country for al, probably from there being facilitics for irrigation. The plants come to maturity in
three ved into thre fibres. and then for the d equal to pared fibr umbellata of India, cured fror one of th the colon the bright (Catalogu 1862.)

ALAB
Fr. albâtr
kind of sto this name seows and distinct fr the variet The forme ish colour, ing a pol very casil polish equ heavier th marble, bu good polis statuaries common an best alabas the papal s beantiful France and tables, vase

ALBAN York, and t state. Alba IIudson, an New York tion is well larly that of by means o with New west, by 6 r simber trade in wool, cor The Erie en where it capa ing a pier $m$ off and enc forming a ${ }^{\text {a }}$ atliorids a safo mavigating dious wharfi

| Talle showin |
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Table shouim at $A l \dot{b}$

Years
$18: 9$
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isfi
$1462 \%$
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186.
three vears. The roots are then dug up and sorted into three kinds, according to the fineness of the fibres. The fibres are then cut, beaten down well, nud then ground to powder, whieh latter is used for the tye. The proportion of prepared fibre is equal to the raw material. The cost of the prepared tibre is 1 rupee per manud. The Morinda umbellata produces ono of the commenest red dyes of India, called mungkudu. The best dye is procured from the bark of roots three years old. It is one of the commenest red dyes of Inclia; though the colour is dull yet it is considered faster than the brighter tints obtained from other substances. (Catalogue of Indian Department of Exhibition of 1802.)

ALABASTER (Ger. alabaster; Ital. nlnbastro; Fr. albâtre; Russ, alabnstr; Lat. alahastrites). A kind of stone resembling marble, but softer. Under thls name are confonndel two minerals, the gypseous nud calcareous alabasters; they are wholly distinet from eacli other when pure, but in some of the varietics are occasionally mixed together. The former, when of a white or yellowish or greenish colour, semi-transparent, $r$. ' capable of receiving a polish, is employed $\because$ statuaries. It is very easily worked, but is nut susceptible of a polish equal to marble. Calcnreous alabaster is heavier than the former; it is not so hard as marble, but is notwithstanding susceptible of a good polish, and is more used in statuary. The statuaries distinguish alabaster into two sorts, the common and oriental. Spain and Italy yield the best alabaster. That produced at Montania, in the papnl states, is in the lighest esteem for its beautiful whiteness. Inferior sorts are found in France and Germany. Alabaster is wrought into tables, vases, statues, chimney-pieces, \&c.

ALBANY. The capital of the state of New York, and the second most important city of that state. Albany is situated on the west bank of the Ilulson, and is distant about 145 miles north of New York city. Pop. in 1860, 62,367. Its position is well adapted for commerce, more particularly that of the lakes, with which it communicates by means of canals. It has also communications with New York, New England, Canada, and the west, by 6 railways. It is the seat of an immense timber trade, und also possesses a large commerce in wool, corn, barley, and manufactured tobacco. The Eric connl enters the city at the north end, where a capacious basin has been formed by erecting a pier more than a mile in length, which cuts off and encloses a part of $a$ bend in the river, forming $a$ basin having an area of 32 acres, which afliords a safe winter harbour for boats and vessels mavigating the river and canals, and also commodious wharlige.
Table shoring the Official Receipts by the Canals at Tide-Wuter during the I'cars named,

| Vears | Hoards and scantling | Shingles | '1 imber | Staves |
| :---: | :---: | :---: | :---: | :---: |
| 19.59 | 3is2, feet | 17\%,000 | cubic feet | $\underset{260,9: 6,900}{l \mathrm{bbs}}$ |
| 18619 | 377,688, fien | 1, $6,5,190$ |  | $260,9 \times 6,010$ $2 \times 2,910,16 M]$ |
| 1 sfi | 301,607, 0111 | 45,210 | 1,190, 010 | 464,245,061 |
| 1865 | 412, 105,800 | 4!, 410 | $2,506,500$ | 3.57,0:40,100 |
| 18 s 5 | 4 (fiti, 31$)$, bet | 50,100 | 5,560,600 | $2 \times 2,47000 \mathrm{ch}$ |
| 15il | 193,287,100 | 30, 32 | 1,121,100 | 26ti,250, $1 / 10$ |

Table shonsing the Official Receipts by the Canals at Albany during the Years numed.

| ! | Vears | Roards and scanding | Shingles | Timber | Staves |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 18.59 | $\xrightarrow{\text { reet }}$ |  | culic feet 70,381 70.488 | $\begin{aligned} & 165 \\ & 114.15 ; \\ & 1,54 \pi \end{aligned}$ |
|  | 3sin | $3119.02 \pm .6010$ | 41,522 | 46, $8 \times 8$ | 118,2s,306 |
|  | 14:1 | 16,9,92,500 | 31.342 | 41,01 | $115,-81,510$ |
|  | 1 kcit | 243, 299,160 | 32.482 | 148,217 | $2110 \% 12,1109$ |
|  | 146.3 | 2.13, 711,500 | 21.723 | 3107.760 | 116,74, 3140 |
|  | 1861 | 255,41×,130 | 21, ${ }^{1}$ | 311,9415 | 185,780, ${ }^{193}$ |

The value of the lumber, shingles, and staves received $\ln 1864$ exceeded $8,500,000$ tollars.

Aınasy. The port of West Australia. [Pentif.] ALCOHOL. Ardent Spirit (Fr, esprit de vin; Ger. weingeist; ltal, spirito ardente, spirito di vino, alcool). The name given to the pure spirit obtainnble by distillation, and subsequent rectitication, from all liquors that have undergone the vinous fermentution, and from none but such as are suseeptible of it. It is light, transparent, colourless; of a sharp, penetrating, agrecable smell; and a warm stimulatind taste. It is quite the same, whether obtained from brandy, wine, whisky, or any other fluid which has been fermented. The specific gravity of nleohol when perfectly pure is nearly 838 at $30^{\circ}$ Fahr., that of water being 1,000 ; but spirit of this strength cannot be obtnined by mere distillation. Alcohol has not been frozen by any known degree of cold. It boils at $174^{\circ}$. It is the only dissolvent of many resinous substances; and is exteosively used in medicine and the arts. (Drs. A. T. Thomson, Ure. de.)

ALDER. The Betula aluns of botmists, a foresttree nbundant in Englant and most parts of Europe and N. America. The charconl made from its wood is of an excellent quality, and is esteemed for the manuffucture of gunpowiler. The bark is sometimes used for tanning, and by the addition of copperas and other ingredients forms a dye for several colours. It thrives best in marshy grounds and on the banks of rivers. It rarely attains to a very great size; its wood is extremely durable in water or in wet ground; and hence it is much used for piles, planking, pumps, pipes, sluices, and generally for all purposes where . it is kept constantly wet. It soen rots when exposed to the weather or to damp; and when dry, it is much sulyject to worm. The colour of the wood is reddish yellow, of different shates, and nearly uniform. Texture very uniform, with larger septa of the snme colour as the wood. It is soft, and works easily. (Tredgold's Principites of Carpentry.)
ALE AND BEER. Well-known and extensively used fermented liqnors, the principle of which is extracied from several sorts of grain, but must commonly from barley, after it has undergone the process termed multing.

1. Mistorical Notice of Ale and Beer.-The manufacture of ale or beer is of very high antiquity. Ilerodotus tells us, that uwing to the want of wine, the Egyptians drank a liquor fermented from barley (iib. ii. c. 7 T). Xenophon during his reireat from Central Asia found it in use among the inhabitants of the Armenian Mountains. Mead, or metheglin, was probably the carliest intoxicating liquor known in the North of Europe. Ale or beer was, however. in common use in Germany in the time of Tacitus (Morib. Germ. c. 23). 'All the nations,' says Pliny, 'who inhabit the West of Lurope have a liqueur with which they intoxicate themselves, made of corn and water (fruge mudida). The manuer of making the hquor is somewhat different in Ganl, Spain, and other comntries, and it is callel by many various names; but its mature and propertics are everywhere the same. The people of Spain, in particular, brew this liqueur so well that it will keep fool for a long time. So exquisite is the ingennity of mankind in gratifying their vicions appetites, that they have thus invented a method to make water itself intoxicate,' (Ilist. Nat. lib. xis. ch. xxii.) The Suxons and Danes were passionately fond of beer; and the drinking of it was supposed to form one of the principal enjoy-
ments of the heroes almitted to the hall of Olin. (Mallet's Northern Antiquities, ch. vi., \&c.) The manufacture of ale was early introduced into Fngland. It is mentioned in the lnws of Ina, King of Wessex; and is particularly specitied nmong the liquors provided for a royal banquet in the reign of Eilwarl the Confessor. It was customary in the reigns of the Norman princes to regulate the price of ale; and it was enacted, hy a statute passed in 1272 , that a brewer should be allowed to sell two gallons of ale for n penny in cities, and threc or fuar gallons for the same price in the country.

The use of hops in the manufacture of nle and beer seems to have been a ficman invention. They were used in the breweries of the Netherlands, in the beginning of the fourtecnth century : but they do not seem to have been introducerl into lingland till 200 years afterwards, or till the beginning of the sixteenth century: In 1530, Henry VIII. enjoined brewers not to put hops into their ale. It wonld, however, appear that but little attention was paid to this order; for in I552 hop plantations had begun to be formed. (13eckmann's Hist. Invent. vol. iv. pp. 336-341. ling. ed.) The addition of hops render ale more palatable, by giving it an agrecable bitter taste, while, at the same time, it fits it for being kept much longer without injury. Generally speaking, the English brewers employ a much larger quantity of hops than the scoteli.

The manufacture of malt. liquors is by weans peculiar to this country. In 1865, a commitree of three of the istewers' Association of Philatelphia, inspected the breweries of liurope, and found thint the consumption of beer was largely on the increase in, besides the United kingdom, llelgiam, Hessa Darmstadt, Nassau, Baden, Wirtemburg, Bavaria, Austria, Saxony, Prussin, Switzerlani, France, Russia, Jenmark, Sweten and Norway.
2. Distinction beturen Ale and Beer or Porter. -This distinction has been well elucidated by Dr. Thomas Thomson, in his article on Frewing, in the Ancycloperdia Britannica: 'Both ale and beer are in Great Britain obtained by fermentation from the malt of barley; but they differ from each other in several particulars. Ale is lighttcoloured, brisk, and swcetish, or at least free from litter: while beer is dark-coloured, bitter, nul much less brisk. What is called perter in England is a species of beer; and the term 'porter' at present signifies what was formerly enlled strong beer. The origimal difference between ale and beer was owing to the malt from which they were prepared. Ale malt was dried at a very low heat, and cosisequently was of a pale colour; while beer or porter malt was dried at a higher teinperature, and had of consequence acquired a brown culour. This incipient eharring had developed a peculiar and ngreeable bitter taste, which was communicated to the beer along with the dark colour. I'his bitter taste rendered beer more agreeable to the palate, and less injurions to the constitution than ale. It was consequently manufictured in preater quantitics, and soon beame the common drink of the lower ranks in lingland. When malt hecame high-priced, in comsequence of the heary taxes laid upon it, and the great incrense in the price of barley which took place during the war of the French revolntion, the brewers discovered that a greater quantity of wort of a given strength could be prepared from pale malt than from brown malt. The consequence was that pale inalt was substituted for brown malt in the brewing of porter and beer. We do not mean that the whole malt emploged was pale, but a considerable propertion of it. The wort, of course,
was much paler than before : and it wanted that agreeable bitter flavour which characterised porter and male it so much relished by most palates. The porter brewers endeavoured to remedy these defects by several artificial additions. At the same time various substitutes were tricd to supply the place of the agreeable bitter commanicated to porter by the use of brown malt. Quassia, cocculus indicus, and we believe even opium, were employed in succession; but none of them was fonnd to nuswer the purpose sufficiently. Whether the use of these substances be still persevered in we do not know; but we rather believe that they are not, at least by the London porter brewers.'
3. Adulteration of Ale and Beer-Sulstitution of Ruw Crain for Malt.-'The use of the articles other than milt, referred to by Dr. Thomson, has been expressly forbidden, mider heavy penalties, by repeated Acts of Parliament. The Act 56 Geo. III. c. 58 has the following clanses :-

- No brewer or dealer in or retailer of beer shall receive or have in his possession, or make, or use, or mix witl, or put into any worts or beer, any lifuor, extract, calx, or other material or preparation for the purpose of darkening the colenr of worts or beer; or any liquor, extract, calx, or other material or preparation othir thas brown malt, ground or unground, as commonly used in brewing; or shall receive, or have in lis possessiom, or use, or mix with, or put into any worts or beer, any molasses, honey, liquorice, vitriol, quassia, coceulus indicus, grains of paradise, Guinen pepper, or opium, or any extract or preparation of molasses, honey, liquorice, vitriol, quassia, coccults indicus, Grains of paradise, Giuinea pepper, or opium, or any article or preparation ahatsoever for or as a substitute for malt or hops, upon pain that all such liquor, extract, calx, molasses, honey, vitriot, quassin, cocenlus inclicus, grains of parmise, Guinea pepper, opium, extract, article, mnd preparation ns atoresaid, and also the said worts and beer, shall be forfeited, together with the easks, vessels, or other packnges, rund may be seized by any officer of excise; and such brewer of, dealer in, or retailer of beer, so oflending, shall for each offence forfeit $200 \%$.
- No druggist or vender of or dealer in drugs, or chemist, or other person whatever, shall sell, semd, or deliver to any licensed brewer of, or dealer in, or retailer of becr, knowing him to be so licensed, or reputed to be so licensed, or to any other berson tor, or on account of, or in trust for, or for the use of such brewer, dealer, or retuiler, any colouring, from whatever matcrial made, or any other material or preparation other than unground brorn malt. for the purpose of darkening the colour of worts or beer; or any liquor or preparation heretofore or hereafter made use of for darkening the colour of worts or beer, or any molasses or other articles, as mentioned in the lirat section, for or as a substitute for malt or hops respectively; and if any drughist, or vender of or dealer in drugs, or any chemist, or other person whatever, shall so do, all such liquor called colouring, imal material or preparation for the purpose aforesaid, and liquor ruml preparation used for tharkening the colour of worts or beer, molasses, and articles or preparation to be used as a substitute for malt or hulis, shall be forfeited, and may be seized by any otlieer of excise; and the drurgist, vender, dealer, chemist, or other person so offending, shall forfeit 500 .

Hy the Act 1 Wm. IV.c. 51 , for the repeal of the ale and becr duties, it is enacted (s. 17) that 110 brewer shall have in his brewery, or in uny part of his entered premises, or in any mill connected with
such brewer frain; fuld slanll be fou mill, and all such mmant mixed, slanll any offleer, to in which such be contained, frain, and th the same may tained; and offence forfeit

1. Descriptic 18:1 Here we he brewed in beer of the val exclusive of the value of less $t$ cluty. In 182 (t (ieo, IV. c. certain contitis this sort of beer taste, or, whicl hid on the lore extensively in
This limitatio sorts of ale nul origrinated in the that these duties may be brewed ol

The brewing o cipal, or rather, cipial, manufact Ediniuryh. The colour, mild, glut strourer and mo 4 to 5 bushels o breving a barrel to a bushel of in dince of the ale estimnted at nbo grod ale is also $m$ other Scotch tow Edinburgh ale are trade lias latterly may be produced it is doubtful wl porter ; at all cy duced in very larg
Formerly it was porter condil be m Of late years, how to high and not we certainly are n consider it as ne L.ondon porter.

Large quantitios hopped varicty of sidernble time past where it is in high very extensively us
b. Regulations a and Beer.-Since t these regulations a consist only in taki premises, nud abst article, other thmin beer. A brewer usi the purpose of brew entry thereof at the for cvery such offed beer, and materials with the mash-tun scized by any officer. for every oflence for ss. $15,10$. )
such brewery, any raw or unmalted corn or graill; aum nll mumatted corn or grain which shall 'he found in such brewing iremises or mill, and all mattell curn ur grain with which such mumalted corn or grain may hare been mixed, shall be furficitell, and may be seized ly auy oflicer, together with all vessels or patckages in which suld raw or nnmated corn or grain shal! to containet, or in which such unmated corn or grain, and the malted corn or grain with which the same may have been mixel, shanll be contained; and every brewer slall for every such offence furfeit 2000 .
4. Description of Ale and Beer.-Previously to 18:23 there were only two surts of beer allowed to the brewed in England, viz. strong beer, that is, beer of the value of 16 s , nad upwaris the birrel, exclusive of the duty; and small beer or leet of the value of less than lus, a larrel, exclusive of the duty. If 18:3, however, an Act was passell, ( 1 i ico. IV. e. 51) authorising the brewing, under certain cmaditions, of an intrimediate beer. But this surt of beer wis either not suited to the public thaste, or, which is more prubable, the restrictions laid on the lirewers deterred them from engaging extensively in its manufacture.
This limitaion and classification of the lifferent sorts of ale and lieer, aceorling to their strength, originated in the duties lail upon them; and now that these duties have been repealed, ale and beer may be brewed of any varicty or degree of strength.
'The brewing of ale has long constituted a principal, or rather, perhaps, we might say the principml, manufacturing employment carricil on in Ediuturgh. The best Ediuburgh ale is of a pule colour, mild, glutinous and adhesive. It is much stronger and more intoxicating than porter, from $410 \overline{5}$ bushels of malt being gencrally used in lirewing a barrel of ale, with abont 1 li , of hops to a minsleel of malt. At present (1853) the prodace of the ale breweries of Edinburgh mav be estimated at above 201,000 barrels a year. Very grood ale is also made at Preston Pans, Alloa, auid other Scotcls towns. Consilerable quantities of Edinburgh ale are sent to Londen: though this trade has latterly been decreasing. Very good ale may be produced by brewers on a small scale, but it is doubtful whether this be the case with porter: at all events the best porter is all produced in very large establishinents.

Formerly it was not supposed that really grond porter eould be made unywhore exeept in London. Of late years, however, Dublin porter has attainecl to high iuld not unmerited reputation; though we certainly are not of the number of those who consider it as nearly approacling to the best London porter.
Large guantiti-s of a light, pale, and highlyloupend variety of ale hase been for some cuinsilterable time past exported to the East Indies, where it is in ligh estimation; and it is mow also very extensively used in summer in this comntry.
6. Regulations as to the Mumufacture of Ale and Beer.-Since the aloutition of the beer duties these regulations are very few and simple; and consist only in taking out a licence, entering the premises, and ubstaining from the nise of any article, other than malt, in the preparation of the lwer. A brewer using any place, or mash-tun, for the purpose of brewing, without laveing matte an entry thereof at tho nearest excise oflice, forfcits for every such offence 2001; and all the worts, beer, and materials for making the sume together with the mash-tun, are forfeited, and may be seized ly any officer.- Brewers obstructing ofilicers for every oflicnce forfeit 100\%. (1 Wm. IV. c. j 1 , ss. $15,16$. )
6. License Duties.-Number of Brewers.-The license thaties myablie by brewers of ale and herer, and tho numbers of such lieenses granted thring the year 18t:l-5 were as follows:-
Aemont showing the Nimbler of Licenses issural to Breurers in the Year 1sti-1-T, with the Rintes of Duty charged thereon (supplicd by the Wacesc).

N.B.-The barrel contains 36 gallons or 1 lirkins of 9 gallons each, imperial measure. It is enacted ( $1 \mathbf{W m}$. IV. c. 51, s. 7), that brewers sliall pay their lieense duty accorling to the malt used by them in brewing, and thit every brewer shall be deemed to have brewed one barrel of beer for every tuo bushels of malt nsed by such brewer.

It is enacted (1 Wm. 1V. c. ul), that evory person who shall sell any beer or ale in less quantities than four ant a half gallons or two ilozen reputed quart bottles, to he drunk elsewhere tban on the premises where sold, shall be deemed a dealer in beer.
i. Progressive Consumption of Ale and Beer.Malt liquor early became to the labouring classes u! England shat the inferior sorts of wine are to the people of France, at once a necessary of life and a lixury; the taste for it was miversally diffused. There are, however, no means by which an estimate can be formed of the qitantity actually consumed previously to the reign of Charles II. Jut duties, amonnting to 2s. Gel, a barrel on strons, and to bid. a barrel on small ale or beer, were imposed, for the first time, in 1660 . These duties being firmed until 168.1 , the amonnt of the revenue only is known; and as thers: are no means of ascertaining the proportion which the strong bore to the small beer, the quantities that paid duty cannot be specifiel. But since the collection of the duty was elltrusted to officers employed by fovernment aeeurate accounts have been kept of the quantities of cach sort ot beer on which duty was praid, as well as the rate of daty and its amount. Now it appears, that at an average of the ten years froms 168.1 to 1693 inclusive, the amount of ale anmually charged with duty was as follows:-

$$
\begin{aligned}
& \text { Strong ale } \quad=\quad=\quad-\quad=\quad 4,567,297 \text { barrels. } \\
& \text { Sinall do. } \quad=\quad-376,2,5 \text { do. }
\end{aligned}
$$

Soon after the Revolution, several temporary duties were imposed on ale and beer: but in $16 \mathrm{H}_{1}$ they were consolidated, the established duties being then fixed at $4 s .9$. a barrel on the strong, and at 1 s . 3 d . on the small beer, iustead of 2 s .6 d .

Account of the Brencers, Liepnsed Virtuallers, Perouns Licensrd for the Sule of Berr to be Drunk on and off' the ''romises, wr.. with the Quantities of' Malt wsenl hy such Breuers, sic', in Finglund, Nrothmil, and Ireland, during the Iear 186.t-i.

and Gel., which had been the rates previonsly to 1690. This inercase of duty had me immediate effect on the consmmption, the quantity lrewed during the ten years from 1691 to 1710 being as follows:-

$$
\begin{aligned}
& \text { Strong ale } \\
& \text { sinall dos. }
\end{aligned}
$$

The whole of this elecrease must not, however, be ascribed to the incronse of the beor daties only, the duty on malt and hops having been, at the same time, considerably increased, operated partly no doubt to produce the eflect.

During the five years cunding with 1700 the ale brewel amountel, at an average, to 3,$80 ; 9,580$ harrels of strong, and $2, \mathrm{f}(\mathbf{i}, \mathbf{2}, 510$ barrels of small. (Lamilton's Principles of Tuxation, p. $25 \overline{5}$. )
The ale brewed in private families for their own use has always been exempted from any inty; and it may. perhaps, be supposed that the falling off in the consumption, as evinced by the statements now given, was apparent only, and that the decline in the public brewery would be balancel by a proportional extension of the private brewery. Hat though there can be nodoubt that the quantity of heer brewed in private families was inereased in eonsequence of the peculiar taxes laid on the beer brewed tor sale, it is almudantly certain that it was not increased in anything like the ratio in which the other was diminished. This is estaMished beyoud all dispute, by the fact of the consumption of malt having continued very nearly stutionary, notwithstanding the vast inerease of poppulation and wealth, from the herinning of the last contury down to 1 aino, and, indeed, to 1 s:IO. [Male.] Had the faet as to malt been difterent, or had the demand for it increased proportionally to the increase of propulation, it would have shown that the effect of the malt and beer duties had mot bech to lessen the consmmption of beer, but merely to eause it to be brewed in private houses instead of public breweries; but the long continued stationary demand tor mait completely nergatives this supposition, and shows that the falling of in the beer manufactured hy the public brewers had not been made up by any equivalent increase in the suply manufacturel at lome.
Daring the years 1787 to 18.30 the tax levied on the barrel of strong bere varied. It was 8s, at the tirst mentioned date, was varied to $9 s$. $5 d$. in 1802 , and to 10 s . in 180 l . It varied between 9 s . to $9 s 10 \mathrm{~d}$. in 1826 , and was timally repealed in 1830 .

The gross amount of revenue received by the exeise, varied little between 18101 and 1830 , beins alrout $3,000,0001$. per anmum.

The stationary consumption of malt ann heer during the greater part of last century is, most probably, in great part ascribable to the introluction and rapid dilliasion of a taste for tea amd coffee, and to the consequent change that was ellected in the morle of living of the middle and
upper classes. So doubt, however, the oppressive duties with which malt and beer were loadel in the latter part of last century and down to 1830 narrowed their consumption in an extrandinary ilegree. After various previous alditions the dutyon malt was raised in 180.2 to $4 x .03 \sqrt{3}$. per bushel, or 35is. 10d. a quarter, the beer rluties being then also raised to 10 s . per barrel (old mensure) ; and as a quarter of malt produced about three or thiree and a half barrels of beer, it follows that the duty on malt used in breweries really amounted at that neriod to from liss. 10d, to 70s. 10d. a guarter, making the duty on strong beer, evelusive of that on hops, about ?os, a harrel. The duty on malt continued at this exorbitant rate till $18 i 6$; and to show its influence it is only necessary to state that during the 12 years cuding with 1816 the consumpion of malt amounted to no more than 23,19 a, i5t bushels a year, being, notwithstanding the vast increase of wealth and population in the interval, less than it had been a ecutury previously. the consumption having amomed to $24,101,80,1$ bushels a yar during the twelve years ending with 12:0! [Malt.] The duties had, in fact, Leen completely overdone; and besides hindering the consumption of malt and malt liquers, they hal the mischievous ellect of vitiating the public: taste and stimulating the consumption of arlent spirits, espuecially of those male from raw grain. In 1814; however, the tuty on malt was relluced to $2 \times$. 5 . a mashel, and sinee 1829 it has amounted
 beer cluty havur been abolished in 1830, this has been the only duty with which malt liquor has since been affented. And though we are unable, from the want of subsequent returns, to state how much the consumption of beer has increasel sinco 1830, the increase in the consimption of malt shows that it must be very considerable.
We suljuin-
An Acrount of the Quantities of Malt brewed by, the Iourteen principat Louthon P'orter and Al: Brevers, during the 7 Years ending with 1852.
[Int 000 omitted : thus $112=112,000$. ]


The duties on leer were even more indefensible from the mote in which they were charged that
> from $t$ scriptic all the linty fe the con is singu pressive Hut becr aris it was 1 grauting that we 1830 no beer wit nommally tionaries to the of maturally of their leud mon districts a yrossing the nppear ת ready ma cery wors abolition 0 leave to all ont proper sures. The are taken o fixed by th Wm, IV. e. sioners of ex were bound to all persen them to sell indifferently cons'quence foundel it is crease and b \& 5 Wm .1 license to ret coutingent os a cerriticate o tain persous r it also raised reduced the e lrimk on the are now (1853) an albstract of Persons ap "Prunk on the ${ }^{\text {ch }}$
> (o) sell beer of
> honse or on t
> to and deposi collector, or ot hicense within person applyi retail, a certiti and being and tants of sueh rated therein occupying a ho less than 6I., common brew rituons liquors ers or propriet liquors, beer, or person applying ter; and at the overseers of th certify- (if the inhabitants res such certificate of the schedul always, that is
from their amount. They affected only that de- maintaining its own poor, in which there are not serijutlon of beer which was brewed for sale; and as all the higher clusses hrewed their own beer, the duty fell only on the lower and middle ranks of the conmunity, and particularly the former. It is singular that a tax so grossly unequal and oppressive should hinve been so long subinitted to.

Hut besides the olostacles to the consumption of beer arising from the oppressive duties witli which It was burdened, the system formerly in force for granting licenses for its sale opposed obstacles that wero hardly less formidable. I'reviously to 1830 no one could open a honse for the sale of beer withont first obtaining a license renewable annmally from the magistrates; and ns these functionaries were neenstomed only to grant liceuses to the ocenpiers of particular howses, tho brewers unturally endenroured, in order to ensuro the sate of their beer, either to liny up those houses or to lend money upon them; and in many extensive districts a few large capitalists succeeded in enprossing most of the public houses, so that even the nppearance of competition was destroyed, and a ready market and good prices secured for the very worst beer. We, therefore, look upon the abolition of the beer duties, and the granting of leave to all persons to retnil beer on their takiug out proper hicenses, as highly advantageous mensures. The conditions under which such licenses are taken out, and the sale of beer conducted, are 1lxed by the Aets 1 Wm . IV. c. 64. and the $4 \mathbb{S} 5$ Wm. IV.c. 85. Under the former the commissioners of excise, or other persons duly authorised, were bound to grant licenses, costing $2 l .2 s$, o year, to all persons not excepted in the act, empowering them to sell ale, beer, porter, cider, \&c, to be drunk indifferently either on or off the premises. But in consequence of the complitints (whether well or ill founded it is now needless to inquire) of the illcrease nud bad character of beer shops, the Act 4 \& 5 Wm . IV. c. 85 makes the obtaining of a lieense to retail beer to be drunk on the premises contingent on the npplienut being able to produce a certitiente of good character, subscribed by certhin persons rated at a certain amount to the joor; it also raised the cost of such license to 31.3 s ., anil reduced the cost of a license to sell beer not to be trunk on the premises to $1 l$. 1s. These licenses are now ( 1853 ) tits. $1 \frac{3}{4}$ d. und 2.2 s .0 .1 . We subjoin an alstract of the Acts.

Person's applying for a License to sell Beer to be arunk on the premises, to deposit a Certificate of goorl Character, $\$ r$ - Wvery person applying for a license to sell beer or cider by retail, to be drunk in the lonse or on the premises, shall annually produce to and deposit with the commissioners of excise, collector, or other person authorised to grant such lieense within the parish or place in which the person applying intends to sell beer or cider by retail, a certiticate signed by 6 persons residing in nad being and describing themselves to be inhabitants of such parish, place, \&c., and respectively rated therein to the poor nt not less than 6 ., or occupying a house therein rated to the poor at not less than $6 l$., none of whom shall be maltsters, common brewers, or persons licensed to sell spirituous liquors or beer or cider by retail, nor owners or proprictors of any houses licensed to sell liquors, beer, or cider by retail, stating that the person applying for the license is of grood character; and at the foot of such certificate one of the overseers of the parish, township, or place shall certify (if the fact be sol that such 6 persous are inhabitants respectively' rated as aforesaid; and such certificate shall respectively be in the form of the schedule annexed to this Act: provided always, that in any parish, township, or district

10 inhabitants rated to their relief to the amount of 6l, each or not occupying houses respectively rated to the poor at 6\%, eacli (not being maltaters, common brewers, or persons licensed to sell spirituons liquor. or beer or cider by retail), the certiticate of tho majority of the inhabitnots of such parish, township, or district maintaining lts own poor, as are rated to the amount of $6 l$, each, shall be decmed to be a sutheient certificate for the jurposes of this Act. (1\&5 Wm. IV.s. 2.)

Peuclty on Overseers.-Any oversecr who shall, without due cause, refinse to certify that the persous who have sigued the certitleate are respeetively rated to the ponr's rate as aforesaid to fordeit not more than 5 l. (Sec. 3.)

Beer dounh in sheds.-Any person licensed under the det 1 Wm . IV. c. 64 to sell beer, cider, dec. tot to be consumed on the premises, who shani employ, permit, or suffer any person or persons totake or carry any beer, sc. from his house or premises, to be drunk or consumed for his benefit or proflt, in any other house, tent, shed, de. helonging to, or hired, used, or occupied by such licensed person, such beer, se. shall be helal to have been consumed on the premises, nud the person selling the same shall be subject to the like forfritures and nenalties as if it lind been nctually drunk or consumed in a house or upon premises licensed only for the sale thereof. (See. 4.)

Billeting. - Irovisions for billeting soldiers under Mutiny Aets to extend only to those licensed to sell beer or cider to be drunk in the house or on the premises, and not to extend to those licensed to sell beer not to be consumed on tha premises. (See. 5.)

Justices to regulate the Opening and Closing of Houses.-Justices in petty sessions are nuthorised to dlx the hours at which honses and premises licensed to sell beer under this Aet shall be opened and closed; but any person thinking himself aggrieved ly any such order may appeal at nny time, within + months from its clate, to the justices in quarter sessions, on giving the justices making the order 14 days' notiec of his intention; and the decision of the justices in quarter sessions shall be tinal: provided, however, that the hour to be fixed for opening any house shall not in any case be carlier than 5 o'elock in the moruing, nor for closing the same later than 11 belock at night, or before 1 o'clock in the nfternoon on Sunday, (iood Vriday, Christmas Day, or any day appointed for n pubitic fast or thankgiviug; mid the hours so tixel by the justices, with reforinee to the districts within their jurisdietions, shall be taken to be the honrs to be observed and complied with under this det as fully as if the sume had beas specially appointed by it. (See, G.)

Constailes, s.c. to risit licensed Mouses.-All constables and oflicers of police areanthorised to enter into all houses licensed to sell beer or spirituous. liquors to be eousumed upon the premises whenever they shall think proper; and if any person licensed as aforesaid, or any servant or person in his employ or by his direction, shall refuse to almit such constables, fec. into such house ar premises, the person having the license shall fur the first offence forfeit and pay any sum not exceeding $5 l$., together with the costs of conviction, to be recovered within 20 days before 1 or more justices; and it shall be lawlinl for any 2 or more justices, upon any person being couvicted of such offence for the second time, to adjudge (if they think fit) that such offencler be disqualified from selling beer, ale, porter, cider, or perry, by retail, for 2 years after such conviction, or for such shorter space as they may think proper. (Sec. 7.) c 2

Penalty for making or using fulse certificates.Persons certifying any matter having reference to this det as irme, whoknow the same to be false, (1. using any ecrtiticate, knowing the same to be forped, shall, on conviction of such offence before 2 or more justices, forfeit and pay the sum of 202 .; and every license granted to any person making use of any certifieate to obtain the same, such persons knowing such certitieate to be forged, or the matters certified therein to be false, shall he void to all intents and purposes; and any person using such certilicnte shall be disqualified for ever from obtainiug a license to sell beer or eider by retail. (Sce. 8. )

No License to be granterd without a Certificate.No license for the sale of beer or cider by retail to be consumed or ctrank in the house or on the premises shall be granted, except upon the cersiticate hereby required: provided, that in all extra-parachial places the certificate reguired by this Act may be eigned and given by inlinbitants rated in the joor at $6 t$. in any adjoining parish or barishes. (See. 9.)

Retailers to produce their Licenses on Requisition of 2 , hagistrates. - In case any complaint be had before 2 justiecs agrainst any licensed person for an offence against the tenor of his license, or against this Aet or the Aet 1 Wm. WV. e. 6t, the said justiecs mayrequire such person to produce his license before them for their examination; amal if he wilfully meglect or refitse so to do, he shall forfeit for such offence any sum, nut exceeding $\overline{5} l$, the said justices shall think proper; and such person may be convicted, proceeded arainst, and realt with for such offence in the same manner, mutatis mutandis, as is directed by the Aet 1 Wm. IV. c. 6.1, with regard to personis 'suilty of a tirst oflence against said det; and the pemaliy imposed for such offence is to be applied in the mamer that a penalty for a first offence arainst said Aet is cirected to be applied. (Sre, 10.)

Continume of Pomers, wo.The powers, provisions, and penalties of 1 Wm . IV.e. (6.t, to apply to persons lieensed under this Aet, and to their surcties, dre (Sec. 11.)

Duties on Beer Licensts.-There sliall be paid mon the licenses herely anthorised to be granted the duties following; viz.
lior and upon every license to he taken out by any jerson for the sale of beer by retail, ano to lie drunk or consmmed in or upon the hanse or premises where sold, the annund sum of 11.1 s .

For and ipon every license to be taken out by any person tor the sale of beer by retail, to be trunk or consumed in or upon the house or premises where sold, the anmual stm of $3 / .38$. (Scc. 13.)
The thities to he under the manarement of commissioners of exase. and to be recovered and ancotunted for under the provisions of the det 1 Wim. IV. c. 64. (sec. 14.)

Not to afficet Duty on Lirenses to retail Ciler and Perry. - Nothing in this Aet shall atfect the amoint of duty pisatble under the 1 Wm . IV, c. A.l. on liemses to retail ciller and perry; but every such license shall specity whether it be frinted for the sale of cider and perry by retail not to be drunk in the homse or premises where sold, or for the retail of the same to be druak in the house or premises whare sold. (See. 15.)
Licenses under this Aet not to authorise Persons to sell Wine.-No license granted under the Net 1 Wm. IV. c. 64 and this Act, shall muthorise any person to take ont or hold any license for the sale of wine, spirits, or sweets or made wines, or meat or methegrin; and if any person licensed under the Aet 1 Win. IV.c, 64 and this Aet, shall permit
or suffer any wine, spirits, \&c. to be brought into his house or premises tobe drunk or consumed there, or shall suffer them to be drunk or consumed in his house or premises, he shall, over and above any excise penalties to which he may be subject. forleit 20) (Sec. 16.)

Penalty on unlicensed Persons.-Such persons selling lieer and cider by retnil to be drunk oft the premises, $10 t$; to be drunk on the premises, 2tl. (Sec. 17.)
Board urer the Dowr.-Fivery person licensed to soll beer, cider, or perry, by retail, under the authority of the Act $1 \mathbf{W m}$. IV, c. 64 and thits Act, shail, on the board required by the former Aet to be placed over his door, paint and keep thereon, aftor the words 'lieensed to sell beer or cider by retail,' the alditional words, ' not to be drunk on the prenises, or 'to be drumk on thes promises,' as the case may br, on pain of forf, iting the prenulty imposed by such Aet for not having such board over the door. (Sec, 18.)

What is retailing of Bevr, se.- livery sale of beer or of eider or perry, in any less quantity than $4 \frac{1}{2}$ fallons shall be deemed and taken to be a sale by retail. (Sce. 19.)
Penalties for selling Spirits or Wine uithout a License.-Persons licensed to sell beer or cider mader the Act 1 Wm. IV. e. $6 \cdot$ and this Act, who sell spirits or wine, sweets, \&e without being licensed, are liable to the penalties imposed by the laws of excise for selling spirits or wine, sweets, (ic. withont license. (Sec. 20.)
Certificate not to le required for Howses in eertain Situations, i/' P'opulation erceed 5,000.-'I'he beforementioned certiticate shall not be required as to any house situated within the cities of London and Westminster, or within any parish or place wathin the lills of mortality, nor witinin any city or town corporate, nor within the distance of 1 mile from the place used at the last election as the place of election or polling place of any town returning a member to parliament, provided that the popitlation, determined according to the last parliamentary cenans taken in such city, town, de. shall exped $\overline{5}, 000$, provided that no lieense for the sale of beer ale, porter, eider, or perry by retail on the premives in the eities of London and Westminster, or in any parish within the bills of mortality, or in any such city or town corporate, or town returning a member to parliament as before mentioned, shall be granted after the 5 th day of April, 183t, unless the house or premises specilied as those in which beer or cider is intended to be sold shall be of the value of 100 . per ammm. (Sec. 21.)

## Form of Certificute referred to in Sce. 2.

We, the umlersigned, being inhalitants of the paris', [or township as the cuse may be] of "all respectively rated to the poor at mot less than (i). per ammm, and none of us being maltsters, common brewers. or persons licensed to sell spitituous liquors, or being licensed to sell beer or cider ly retail, do hereby certily, That A. B., dwelting in strect. [here specify the strect, lane, \&'c.] in the sail parish [or township, Ne.] is a person of gool charicter.
[Here insert the day of signing the certificatc.]
(Signed)


I do herely ecrtify, that aH the above-mentioned persons whose names are subseribed to this eertilicate are inlabitants of the parish [or towaship,
de.] of
rated to 61 . to the relief of the poor of the said parish.
C. $D$.
[Overseer of the parish or township, \&e.] Dute
In addition to the above the following clanses of the Act 1 Wm. IV.c. 64, are still in force :-
lersons trading in partnership and in one house shall not be obliged to take out more than one license in any one year, provided also, that no one license shall authoriso any person to sell beer, in any other than the hoase mentioned in sach license. (Sec. 10.)

In cases of riot or expectel riot or tumult, every person licensed umoler this Aet, and keepinis any house situate within their jurisulictions, shall close his house at any time which the justice or justices shall direct: and every sach person who shall keep open his honse at after any hour at which such justices shall have so ordered or tireeted sach honse to be closed, shall be deemed to have not maintained good order and rule therein, and to be guilty of an offence against the tenor of his license. (See, 11.)

Every jerson licensed to sell beer by retail, shall sell (except in quantities less than a half pint) by the gallon, quart, pint, or half-pint measure, sized aecording to the standard; and in defanlt thereof, he shall for every such offence forle? , the illeral measure, and pay not exceeding fos., together with the eosts of the conviction, to he recovered within thirty days next after that on which such olfence was committed, before two justices; such penalty to be over and above all penalties to which the oflender may be liable ander any other Act. (Sec. 12.)

Every seller of beer liy retail, having a license under this Aet, who shall permit any person to be guilty of drunkenness, or disorderly conduct, in the house mentioned in sueh lieense, shall forfeit the sums following: for the first offence, not less than 40s, nor more than 5l., as the justices, hefore whom such retailer shall be convieted, shall adjudge; and for the second offence, any sum not less than $5 l$. nor more than $10 l$; and for the third oflence, any sum not less than $20 l_{\text {, nor mere than }}$ 501. ; and it shall ho lawtin for the justices, before whom any such convietion for such third offence shall take place, to adjudge, if they shall think tit, that whel whenter shall be disqualitied from selling leer by retail for the space of two years next ensuing such eonviction, and also that no beer shall be sold by retail by any person in the hoase mentioned in the license of such offeader; and if any person so licensed shall, knowinply, sell any beer, ale. or porter, made otherwise thai from malt and hons, or shall mix, or canse to be mixel, any Arugs or other pernicious ingredient with any beer sold in his louse, or shall fradulently dilute or in iny way adulterate, any such beer, such ohemer shatl for the tirst ollenee forfeit not less than $10 \%$. 1 or more than $20 /$., and for the second such offence such ofliender shall be atljutgeal to be dispualified from sedling beer, ale, or porter, by retail, for the term of two years, or to forficit unt less than 20). nor more than bol., and shall be subject to a like penalty at every house where he shall commit such offence; and if any person shatl during any term in whieh it shall not be lawfal for beer to be sold by retail on the premises of any offender, sell any beer by retail on such premises knowing that it was not lawful to be sold, such offender shall forfeit not less than 101. nor nore than 2thl; every person sullering the conditions of the license to be infringed to be deemed gruilty of disorderly conduct. (see. 13.)

Retailers' houses not to be oren before four in the
morning, nor after ten in the evening : nor between the honrs of ten in the forenoon and one in the afternoon, nor at any time between the hours of three and dive in the afternoon on any Simday, Good Friday, Christmas-day, or any day appointel for a public fast or thankspiving : and any person offending herein shall forfeit 40s, for every ollence; every separate sale to be deemed a separate offence. (Sce, 14.)

All penalties uader this Aet, exeept for selling berer by any person not duly licensed, shall be recovered, apon the information of any person before two justices ia petty sessions: and every such penaltyshall be prosecuted for within three calendar monthis next after the offence; and every person licensel under this Aet, who shall be convicted before two justiees, shall, unless proof be adduced to the satisfaction of such justices that such person had been theretofore convicted before two justices, within the space of twelve calcudarmontlis next preceding, be adjudged by such justices to he guilty of a tirst offence against this Act, and to forfeil and pay any penalty by this Aet imposed for such oflence, or it no specilic penalty be imposed, then any sum not execeling 5l., together with the eosts of the conviction ; and if proof be addued to the satisfaction of such justices that such person had been previonsly convicted, within the space of twelve calenlar montiss next preceding, of one such oflenee only, such pervon to be adjudged guilty of a second ollence against this Act, and to forfeit and pay any penalty by this Aet imposed for such olfenee, or it no specitic penalty be so imposed, then any sum not exceeding lol. together with the eosts of conviction; and if proof shall be addacel that such person had been previously convicted, within the space of eighteen calendar months next preceding, of two such separate offences, and if proof be adduced that such person so charged is guilty of the offence charged against lim, such person shall be adjudged to be guilty of a third otlence arimet this Act, and to fortelt and pay any penaliy imposed by this Act, in respect of such ofience, or if no such specitie penalty shall be imposed, then to forfent and pay the sum of $\mathbf{0} 0 \mathrm{l}$., tograther with the eosts of conviction. (sec. 15.)
The part:-, convieted of any such third offence, may appeal to the gencral sessions, or quarter sessions then next enswing, unless held within twelve days afte: eonvietion, and in that ease, to the then next subsequent sessions; and, in such cass, the party eonvieted shall enter into a reengnisance, with two sureties personally to appear at the said general or quarter sessions, to abide the judgment of the court; and to pay such costs as shall be by the eourt awarled ; or, in failure of the party emvicted entering into such reeognisance, such convietion shall remain good and valin! and thesaid justices who shall take such recognisanee are also required to bind the jerson who shall make such charges foapuear at such general or quarter sessions, then and there to wive evidenee against the person charged, and, iti like manmer, to bind any other person who shall have any knowledge of such ohenee; and it thall be lawfal for the said general or quarter sessions to aldudge sueh person to be guilty of such third offence agrainst this A't, and such adjudication shall be tinal; and it shall be lawful for sueh general or quarter sessions to punish such offender by fine, not exceeding $100 \ell$. together with the eosts of sueh appeal, or to adjudge the lieense to be forfeited, or that no beer be sold by retail in the honse for the term of two years, and if such livense shall be aljudged to be forfeited, it shall henceforth be void; and whenever, in such case, the lieense of such oflonder shatl be udjudged tobe void, such ofiender shall be deened ineapable
of selling beer, alc. or porter, by retail, in any louse, kept by him, for the space of two years, to be computed from the time of such adjudication; and any license granted to such person during such term shall be void. (Sec. 16.)

In default of payment of penalties, proceedings may be had against the sureties. (hec. 19.)

Any person summoned as a withess who shall neglect or refuse to appear, and not make such reasonnhle excuse for such neglect, de., as shall be admitted by such justices of sessions, or who, appearing, shatl refuse to be examined, shall, on comviction, forfeit not exceeding 10/. (See. 20.)

Offenders refusing or neglecting, within seven days after conviction, to pay the pemalty imposed, anil any costs assessed, such justices may issue their warrant to lery the amount by distress and sale, together with the costs of distress and sale ; and in every such case, such offenders, if in custody, shall he forthwith discharged; but if the goods and chattels aro not sufficient, such justices may commit the offenter to the common gaol or house of correction for not excecding one calentar month, if the penalty shall not be above 51. f for not exceeding three calendar months, if the penalty shall be above $5 /$, and not more than 101 ; and for not exceeding six calendar months, if the penalty shall be above 101.: provided, that whenever such oflenter shall pay to the gatoler or lieeper, or to whomsoever steh justices sdall have appointed, the penalty and costs, together with all the costs of apprehension aml conveyance to gaol, at any time presious to the nxpiration of the ime lor which such offemter shall have been committed, sueh olfender shall be forthwith discharged. (See. 2l.)

No conviction under this Act, nor any auljurlication made upon appeal therefrom, sh 'll be tuashed for want of form, nor removed ly certiorari. (Sec, 27.)

Wery action against any justice, constable, or other person, lior int th this tione in execntion of his duty under this Act, to be commenced withir Ghree calendar months, and not afterwards; and if any person be sued, he may pleal the general iswe, and give the special matter in evidence. (Nec. $\therefore$, )

This Aet not to alfect the two universitice nos the vintners' company in London; nor to prohibit the sale of beer at fairs, as heretofor
11. Scotch Ale and Beer Duties,- The duties on ale and beer in scotland have been for a lengthened perionl the same as in England.

At the union in 1707, the English daties on ale and beer wore introduced into Scotland. llut besides stroner and small beer, the sicoteh hat a: iatermoliate sisecses, which they called tuo-penny. aud which was their favourite beverage. The duts: on this description of beer was fixed at the umion at 2s. $1 \frac{1}{4} d$ a barrel. For thirty years after its imposifion, the quantity of two-penny that paid luty was always above du0,000, and sometimes exceeded 500,000, berels a year. But in 1760 the duty on two-jenny wis increased to $3 \mathrm{~s} .1 \frac{1}{d} d$, and the consumption immediately fell off to between 100,0100 and 200,000 barrels! The quantity that paid duty in $18(10)$ amonted to $1 \cdot 49,805$ barrels. ' 1 he manafacture of this species of beer ceased entirely in 1802 .

The Lidportation of Beer cond Ale-hats increased very rapidly of late years, and has become an imfortant brainch of our foreign trade. It was checked for a while by the difticulty of tixinis a drawback proportioned to the duty en the mall and sugar empl yed in the manufneture, Jown to 1827 only two rates of drawbitek were allowed, viz. 5s. per barre! if 2 bushel malt had been used to the barrel, and 7 s . $\mathrm{i} d$. if 3 bushels were used. lint since this epoch the mole of ascertaining the drawback has
been greatly improved, and no fewer than seven different rates, varying by $\frac{1}{2}$ bushel each, are now allowed. The resilt of these and other changes has been, that whereas only 177,999 barrels were exported in 1830 , the exports amounted in 1864-i) to 582,583 harrels, of the cechured value of $2,148,3261$. We subjoin
An Aceount of the Exports of Ale and Beer, ir. Barrels, for the ton years 1856-65.

| 1859io | * |  | 410,392 | 1861. | - |  | 373,161 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.7 . | - | - | 4.3, 3, ${ }^{\text {a }}$ | 1802. | * | - | 461, ${ }^{\text {a }}$ \% |
| $1 \mathrm{NTS}$. | - | - |  | 186.3 - | - | - | 496,681 |
| 18.59 - | - | - | 614,136 | 1)(it. | - | - | 494.981 |
| 1560 - | - | - | 534,527 | 1865. | - |  | 361,467 |

The chief consumption of British alo and beer is in Australia and Iritish India, to which commtries more than 60 per cent. of the exports are sent.
ALENANDRIA. So called from its illustrious founder, Alexsmer the Great. The principal seaport of Egypt, on the const of the Mediterrancan, about 14 miles W.S.W. of the Canopic moutin of the Nile; the lighthouse being in lat. $81^{\circ} 11^{\prime} 43^{\prime \prime}$ N., long. $29^{\circ} 51^{\prime} 40^{\prime \prime} \mathrm{E}$. The light, which is tixed, is visible 20 miles in clear weather. The situntion of this famous city was almirably chosen. I'ntil the ciiscovery of the romte to India hy the Cape of Good Hope, Egypt fommed the centre of the commerce between the eastern and wastem worlds; and Alexandria was placed in the most favourable positiou in ligypt for memporium, being the enly port on its northern coast where there is, at once, thep water, and security for shipping throughout the year. The ports of Privetta and Damiettn, the former on the west, and the latter on the eastern arm of the Nile are both diflicult of entrance, each having a bar, upon which there is always a danareroas strf. Ships bound for Alexandria avoid this seriou: tonvenience; and by means of an artiticial naveration, stretching lrom the city to the western branch of the Nile, $i$ i has amost the same facilities for internal navigidion that are enjoyed by the cities referred to.

It may be proper, however, to mention that this artificial commanieation with the Nile has not always beea open. It existed in andicuity, but fell into deeay during the harbarisin of more modern times. After being shut up for some eenturies, it was reopened ly Mehemet Ali. who ther the Mahmoulich eamal from Alexamlria to Atfol on the Nile, about 27 miles above Rosetta. This important work is 44 miles in length, 90 feet in breadth, and from 15 to is feet leep). It was opened in 1819, but owing partly to the nature of the ground, partly to some defects in its construction, and partly to the mul deposited by the water of the Nile, it is difficult to keep in repair and call o: ly be navigated by boats that draw little water, and are not suitable for the navigation of the Nile. But, with all its defects, the construction of this eamal has been of great advantage, not to Alexandria only, but to legypt and even Europe. Now ( 18509 ), however, that a railway has been constructed from Nexmulvia to Cairio, the canal has become of less importance.

Ports, \&e,-The anciont rity was situated \& little more inland than the modern one, opposite to the small island of Pharos, on which was erected the lighthouse, so celebrated in antiquity. (Ciesir, Dc Bello Civili, lib. iii. e. exii.) This island was, partly by artificial momes, and partly by nitural causes, fradually joined to the land by a monnt, mint on this the modern town is principally built. The isthmus and island have now the form of a T, its lead heing N.E. and S.W. A square castle or tower, built on a small islet or

rock, at the the north-e l'haros, and abicient ligh down to lxt which there Arican side, the ancients, stretches from about 6 miles is hounded o tongue or ang fartally built new lighthous bamks. It has nearest the cit miles S.W. fron row and diflient thoroughly acg ern side of the s hy buoys whieh lighthouse ; it and has, where third or western within about ther end of Marabont wide, and has fro lowest places. chips, when in, n from $2: 2$ to do anchorage in dee Foreighers were fo mat this prohibition prineipally resorted the port.

What is called th ollest) or Asiatic h Whe town. A rock to the east of the !? ing the port oug! th cables lengeth on tl finrther to the lelt th as sumal which streteh lom, on little tower, The water immediate the lharos is from is space for anchorage is to the mortherly gales and rochy, hempen ca and several acridents fracuce to shijus mul Wrilinary tides rise $z$ How of the Nile the ris West: (Nece I'lan of $A$ Sighthouse-The ne Westorly point of the isp the rity is partly built, exhibits a tixed light. e hisel of the sea, and is a distance of nearly 20 of course, be kept on th the ereat or westurn har those ontering the small mast mention that a j night, in Jecember al to a chart whiel ident the whd tower at the entr biat the lierlat on the batte ceased to be exhibited sis shoud lee corrected accord and Fomans, Horlern Cit aty inmans, Alesandria duction by the saracens in to be a place of considfra tance iil the despotism o

## rock, at the extremity of a mole profentindil

The north-east angle of the city, is still cating from aneient lighthoy, perhaps, oceupy the site ed the tlown to 1840 wise: a light was exhibite or the which there is a port ceased. On each side ot African side, called the old port the western, or the ancients, is by far the Port, the Eanostos of stretehes from the town wesger and better. It ibout 6 miles, and is aboustwards to Marabout is lounded on the north $1 \frac{1}{2}$ mile in width. It tongue or angle of the isth partly by the western partailly built, at the islaud on which the city is new lighthouse, and partly by of which is the himks. It has three cutrances by rocks and sand hearest the eity, having 17 feet The first, or that miles S.W. from the lighthouse water, is obout 18 row and dilficult to bothouse; but it is too nar Thoroughly acquainted with wited by any one not ern side of the second or middle port. The rustby bueys which hie about 25 miles S. Hyghthouse; it is about a guarter S.W. from the third has, where shallowest, 27 fert a mile wide, within western entrance has its westeruter. The cud of Maraborec-eighths of a mile from boundary wide, Marabont island; it is about balf the east lowest places. This to 27 feet water in its shale ships, when in, This last is the lest entrance from 22 to 10 feet anchor elose to the town in allohorage in deep water, amd there is grond Foreiguers were tormerly all alomg the shore. Wht this prohibition no longer exded from this pert; prineipally resorted to by the shipping frequention port.
ollest) or called the New (though it be really the Whe town. A roek harbour is on the eastern side ut (1) the east of the called the Diamond lics a lititle int the port ougharos tower; and ships cintercable's length ong the to have this rock about a firther to the left the right. If they get much at shonal which stretches west ward for contaet with lint, or little tower, on thes east from the lharilthe Phaterimmediately withint the side of the port. space tives is frem 30 to do dect dert tl . from to the mortherly and rocky, hery gates; and the ground bemg fioul and several aceph cables are very apt to chafe, Gucure to ships muprovided withed in consethew of the tiles rise 2 fect ; luy with iron cables thow of the Nile the rise is ; but during the over-
 westerty youse,-The new lighthe, by lient. Jalbe.)
 Gie city is partls built, was crecterl in th on when level of the sed light, clevated fso feet is in. It adistance of neandy is visible in clear weather at of course, be kept on the left. This.s light must, those geat or western harbour, and those entering those mitering the small or castern the right hy losi in athion that a british vessel was. We night, in Decenge to cuter the 15 . harborur by to a chart which identitied the raptain trasteid the old tower at the cutrance the lighthonse with But the lighe on the latter hase, to the E. harhour. coased to be cxhibited since 1sim areaty stated, ond be corrected accordingly. and all charts Aneient and MadernCity ,-i
and Liomans, Alexandria was the tirs the Itolemies city in the worlt. It sublered trest commercial thetion by the saracens in 610 ; but be by its rethace till the de considerable commercial innmer thace till the despotisto of the Mamelukes ind

Thrks, and the discovery of the route 23 Under the of fitood Hope, completed to its ina by to have amounted thes, the population is believel Was adorned by a about 300,000 , and the city structures. The a vast number of mand the city troops and artisans population in 1863, ineluding at 150,000 . 'ishe rapid ine arsenal, was, including Malme on, dates from the incre, which is still Mahmondieh canal. The the opening of the moden town used to be appearance of the 'It may be justly said, that mose umpromising. heritundria we finid a poor or in the new city of heritance has been the orphan, whose sole infather. The vast extene vencrable name of his contracted in the new to a the ancient city is ween the two ports. The moneck of hand beare chauged into plain mosyues; the superb temphes roval palaces into houses of a ; the most magniand seat is become a prison a bad strueture; the and numerous people prison forslaves; an opulent munber of foreign thave given way to a small Wretches, that are thaders, and to a multitude of they depend: a place, forranerly of those on whom extent of its commerec, is no so fimmous for the is ore than a mere phace of emo louger anything is not a phemix that revives froming; in the, it it is, at most, a reptile, sper from its own ashes; infe, and corruption with whir from the dirt, the Enfeted the whole comery.' Ling. trans. 8vo. ed. 1. ;:\%) (Norden's Trurchs, description, thourh accurate but this striking was writen (1737), is ruite the time when it prescut state of the city. The mpicable to the ment of Mehemet Ali ind his surforens govern. into ling "mparative security and surs, by inwhiney, revived the compty and good order which has again bec cone a tance in the trading world bace of great imporand other buildings have been cony new warehouses appearanee much in proved. constructed; and its of Alerandria
cotton stulls and yarn, iron imports consist of phate and platoll ware, machind hardware, copper, tim, books, de, principully frery, coal, ammumiwoollen and silk uenpuly from Eugland; with indigo and other dyanufiactures ; tinber, cordsome de. The exports cousiot materials, sugar, elass, wheat, bems, barlensist mincipally of raw cotton, seed; gum , barter and maize; linseed and than mad other drabic and other gums; wool; semanWith opium, parls, date and tortoiseshell; nitre; finen cloth, collice, ind a soda, nstrich feathers; articles, lt may he uce a great variety of minor, The nominal greaty exceed the bear inmind that impurts, on arcomit ox' the the real exports and bullion and silk, that pass yarticles, ceplecially trousitu, from the If: to the the and ferpe in while in conser grain and julse drediusersely: whent in consequence of the superinectined for a went wiven by the wovermacut to thenemageancon; Lut they still largely ine to the raising of agait. the impulse siventh to the ed. Latterle. cotton, consequent un the to the cultivation in: extension of com sumply - hmerican war, and the the ferptian com trade to America, have reduced sent the chief exports of to minimum. At pred silk. On the whole the trypt are cotton and increased of late yotars, tund may bes considerably. flourishing condifion, mat may be said to be in a Cotte: has
remote feriod; previonsly in Fayt from a yery dency of Meliemet Mi it was berer, to the aseenant that litde was of inferior but little cultivated, thed closely resembled 's ior quality, short-stapled, the sumall quantilies expurate, mider which namo were usually sold. But, in $18 \% 0$, the country
of the name of Jumel accilentally observed a 'Tract of George 1. Ciliddon, lisq. On the Cottom very valuable variety of long-stapled cottom, of Eyypt.) rused from seeds brought from Dongoln and Senarr, growing in the graden of Mahe lley at Cniro. Jumel luving represented its superiority to the Paeba, its cultivation was undertaken on a large scale on account of the latter; nid has succeeded so well, that Mabe or Makko cotton bas heen for a lengthened feriod by far the principal article of export from lirypt. At a lnter period seeds of the Sen-istand cotton were intresluced; nod for a while it also muswered remarkably well; its produce, which in Erypt was called Senaar, and in England 'Egyptian Sea-island,' ranking next in the estimation of the manufacturers to genuine 'sea-island.'
The course of the Ergytian cotton trade lins been peenliar. The reader will tind the amount imported from Erypt in the following page. In 18i6, the supply from ligypt fell to 636,000 cantars, after a thictuation from $360,10 \mathrm{c}$ cwts, in 1861, to $1.5 \mathrm{in}, 012$ ewtr. in 18 sin.
N.ll-The gross weight of $n$ hale of Egyptian cottima at Alexandria averages 230 rottoli or $22 \alpha^{2} \cdot 0 ;$ lhs. $;$ and nllowing 12 rottoli as tare fon sacking and cordare, the net weight of the bale will le about 219 lbs . The cautar of' cotem was tixed in 1836 at 100 rottoli. Exelusive of the cotton shipped from Egypt, nbout 30,000 cantars a year are sulpposed to lave been annually wrought up in the l'acha's aton factories nt an average of the 10 years phding with 18338 : but owing, to the failure of most of these establislments, the quantity is now much less. (bie the valuable

We cloult, however, whether the encouragement given to the culture of cotton has not been really injurisus to ligypt. At all events, we apprehend that the cotton of that conntry will have great difficul4 in tinding a protitable vent in the European mar is in competition with American cotton, consid ting the extremely low price nt. which the Intree an be sohd. We have alluded to the degwneracy of the Sea-islumi cotton in Firypt, ant it is alleget that the Maie is also ciegenerntimg. But in the culture of wheat, henns, burley, nud rice, Eirypt has nothing to fear from any rivalry. In thas department of inilustry nhe is, if not siperior to every other commry, inferior to none. In 1858 we iniporved 341,360 ewts. of cotton from Egypt ; vur imports being usually about two-thirds of the entire exports.

The fact thut my great changz in that which has been the staple proluct of lieapt. vi\%, wheat and other kinds of grain, for ctwoman, a precarious crop, to be sent to a precurious muarker. Would be aserimas evil, has beem anticipated hy the viecror, when he told 1)r. Forbes, who wa went on the part of the Cotton Supply Ansociation tom lhe viceroy to firther the ealtivation of cotture that prices would he a sufficient krimulus, and that he deprecated the efsange. Ther anticipativa was veritied. for of late yoars, leppet has had to import grain, due for the subsistense of her peopile.
We subinin an aecount which shows the principal articles, and their estimaned values. expurtent from Aleamalria in 1866.

Sivorts, from -texwhlriat, lintibic


Constantinople and the islands of the Archipelago me great markets for the wheat and other prain exported from Eygyt. The supplies are, however, extremely uncertain. Everything in Ewypt depembs on the Nile: nul when it does not rise to the usual height, the cropss are very much below an average. leans are extensively cultivated, and have sometimes been brought to England, but rarcly, if ever. with advantare to the importers. They are juferior to English beans, and are peculiarly sulyjeet to the worm. No oats are raised in lygyt. the herses being entircly fed upon-barley. Silk is grown to some extent. The date-pulm thrives in every part of Exgent, and the frnit is largely exported. It is singular, that notwithatnaling the luxuriance of many of its vegetable productions, birypt should be entirely destitute of timber.

Momey.-Here, as at Constantinuple, the current money consints in part of new fohl and silver cuins of $104,50,20,10$, nod 5 piastres; and in purt als, of a great variety of European coins.

Aceoments are kept in piand res of 40 paras or medinis. Consideralle sums are reckoned by the his or purse of 506 pintres. The exchange with EngInud is generally about 100 piastres to $1 \%$.
Weights and Meaweres.-The varil. or pik. $=$ 26.8 Jnglish inches; hence 106 piks $=\frac{7}{6} \cdot 43$ Englimh yards. The measures for corn are tho rhe hebe. and the quillot or kishz; the firmar $=$
 The canter or quintal $=100$ rottoli, but the rottolo has ditferetat names and weights : 1 rottolofiorfiore $=$ 93.4 llh avoirilupnis: 1 ruttolo zaidino $=1 \cdot 385 \mathrm{ll}$. ditto; 1 rotodo zauro or zaro $=2.97 \mathrm{Ilns}$. (titho; 1 rottolo mine $=1 \cdot 1 ; 1 \mathrm{lb}$. ditto. (Manuel liniversel de Nellenbrerher.)

Duties,-With the exception of the arbitrary principles ou which the government sometimes tixes the prices of commodities, there is nothing oljectionable in their poliey as to commerce. The dhities on imports are only 3 per cent. We believe, lowever, that a small increase of the customs duty would compensate the government for the

Afinunt of the Qu

## Prinelpal and Other Art

Apprerel and huber.
duchery
Arma and ammu :
Five-arus (smunitit
Gompowiler
4arruks, of all sort*
 convinuphe
Corton Virn
Cuttons, entered by the:
Crttons,
brusz and chemical , promicters Earthenware and porcretan
Uardwares and cuthry,
unenumeratel Ironen, wriughtit and frob, whibight and uns
when, eatered by the sharhinery :
Minhinery:
Mram engines
Wathematic.al instr ments
l'aper of all sort, in:-
clorising clowing pajer hang-

Pa'e, plated ware",
jewelery, and watclar l'roviniona (nop othery wine despritw other silk inaulufactianes Stationery, other than paper-
Telographic wire, fer. Wiatliens enscred ly
the yard foncluathig thome form orly entered ly thep eret
Woollans entered at
vilue vilue -

An Account of the Quantities and Computed Values of the Principal Articles imported into the United Kingdom from Fgypt in 1861-5.


In Iransit from 1 nitia, China, and $J$ atia .
Arimunt of the Quantities and Declared Valnes of the Principal Articles of British and Irish Produce Exporturl from the Unised Kingdenn to Eyypt in 1861-6̄े.

| Jrinmpal and Orher Articlus | Quantifies |  |  |  |  | Jerlared Iteal Vialue |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 14 HI | 186\% | $1 \times 63$ | 1861 | 1515.5 | 1461 | 181.2 | 186.3 | 1861 | $156:$ |
|  |  |  |  |  |  | $\pm$ | $\boldsymbol{\varepsilon}$ | £ | $\boldsymbol{\chi}$ | $\boldsymbol{\perp}$ |
| Arshery dintion value | - | - | - | - | - | 210,7i8 | 256,7119 | 21.0,1.50 | 24, 2,236 | 354, 114 |
|  | 1,950 | 3,190 | 4,597 | 4,698 | 14,712 | 13, 11 | 19,907 | 21,00\% | 16,501 | 19,212 |
| Gisppowier - Ilsa. | -5i, 3,31 | 149300 | 1,1,6e. | 14.3, +2, 11 | [264 | 1,111, | -4,17:3 |  | R, 8 (819 |  |
| Reoks, printicl - cwis | 3.081 | 4.484 | 5,166 | 3,4-1 | 5, 1: 2 | 6, ${ }^{3}, 3,14$ | [5.714 | S. 1,75 | ! 9,1664 | 84, 127 |
| C'arrlatis, of all serts - bu. | 118, 510. | 15, 40 | 20.38 |  | 258, 14.4 | 4,312 | 51.32\% | 25,314 | 7, 781 | 6, 3,50 |
| Coals, cmulers, and culon tuns | 118,19: | [56,051 | 264,9:h | 3iff,416 | 388,8\% | 65, iss | 78,8.31 | 125,13) | Jtik, di3l | 206,0\%1 |
| Copjwer, wrought ant unwrought - - cwth. | 1.15,114 | 21, 14.3 |  | -74.791 | 4\%, 保星 | 81,611 | 110,093 | 26*,459 | 10\%, 3.57 | 23\%, 018 |
| Cotronl Yiarth - 1 lm , | 1,1161,2241 | 451,237 | $1,311,4105$ | 1, 26.6 .634 | 2, $314,35 \mathrm{~s}$ |  | 5.3,4114 | 1 $22,9 \mathrm{ln}$ | 146,65s | 211,80\% |
| Cottons, entered by the yards | 77,244.79: | 35,531,06.5 | 9\%,101,531 | 10(7,4,87,199 | 111,017,175 |  | 719,418 | 1,810, 1880 | 2,192,997 | 2.530,1r.5 |
| Cintons, entered at value value |  | $\rightarrow$ | - | - | - | 11,436 | 11.221 | 20, 2129 | 55,931 | 15,733 |
| Jruks and chemical | - | - | - | - | - | 7,737 | 12,538 | 16,117 | 21,225 | 9,935 |
| Earthoware and pur- celan | - | - | - | - | - | 7,725 | 9,301 | \%,301 | 17.158 |  |
| Hardwarps anal cutlery. unenomprateri. cwts | 5.212 | 3,76 | 7,1053 | 11,797 | x, 4.1 | 1 | 7,000 | (2, | -7, 1.2 |  |
| Irun, wrought and us- | -2,820 | 11, 3.68 | 15,986 | 1134 26 | \%, | (1, 4,4 | +8,000 | 3, 3,16 |  |  |
| wroupht - $\quad$ tons | 7,8\% |  | 15.986 | 26,34, 5 | S3,622! | 68, 261 | *8,914 | 161,649 | 256,090 | 331,198 |
| yaril eltered by yarils | 81,4,3141 | 4.85,291. | 1,201,66ic | 6,712,971 | 5,267,321 | 27,438 | 15,6.39 | 42,949 | 151,153 | 88,201 |
| 3nthinery: steinn eazines - - value | - | - | - | - | - | 9,208 |  |  | 312.481 |  |
| dil nther urit. - " | - | - | - | - | - | 62,34\% | 74, $\times 51$ | 4 $52, n, 21$ | 402,071 | 311,971 |
| 3 Hathematical insirumellis - - | - | - | - | - | - | 13,711 | 14,8t: | 21,5911 | 13,688 | 16,836 |
| l'apure of all sorts finclutiong paj or hatiging $\mathrm{s}_{1}$ - | 8 cin | 0.7 | 6.1! | 891 | 291 | 6,527 | 4,23s | 3.751 | 3,098 | 1,180 |
| "la'e, platerl warr, Jewelery, and watcher value | - | - | - | - | - | 176, $5>9$ | 217,16.5 | 133,131 | 132,512 | 141,764 |
| Iruvicims (mor other. |  |  |  |  |  |  |  |  | 1.3,512 | 17,64 |
| uise tescribedi) - - | - | - | - | - | - | 8.129 | 17,163 | 17,468 | 19,185 | 23,701 |
| Silk mamufariores * " | - | - | - | - | - | 1;9,617 | 221,810 | 2:8,418 | \% 11,850 | 314,813 |
| stationery, other than papier - | - | - | - | - | - | ¢R,201 | 36,900 | 41,558 | 16,794 | 52,831 |
| Telegraphic wise, ike. , | - | - | - | - | - |  | 2,912 | 370 | 30,547 | -7,40 |
| Windlent, entereal loy the yard (enclualing thone firmerly entered by then pere) | 196,801 | 151,:16 | 36.3, ${ }^{5} \times 1$ | 681.251 | 6,33,621] | 2., 5,51 | 13,964 | 53,615 | 90,554 | 82,361 |
| Wouslena entered at value - <br> - value | ( | , | - | - | - | $3 \times 685$ | 1,8,4 | 6,875 | 10.924 | --> |
| Alt ontur meflelens- | - | - | - | - | - | 230,562 | $98.97 \times$ | 594.2 11 | 4 $1.3,1 \%$ | 41020 |
| Total - | - |  |  | - | - 1 | 2,275,8.14, | \%, 11, 5,512 | 1,114,295 | 6.nsi, $\mathrm{BMM}_{1}$ | ,9406433 |

aholition of other oppressive charges，and there can lie little doult that the country would be mate－ rinlly benetited by the change．

Pilutage．－＇The pilotuge paid by ships of war for being brought into the $W$ ．harbour is 5 dollare， and 4 dollars for being taken out of do．Merchant－ vessels pay 3 dollars buth on enteriner and clearing． The pilot－service，though not exmpted from defeets，is tolerably well conducted．It wonld be conrenient were pilots stationed nearer the cutrance of the port，at Marabout Island for cxample，or at the watering－place．

Qurantine．－Merchant－vessels coming with lionl hills of health perform 15 days＇quarantine， whether with or withont cargo．When the hills are＇suspected，＇the guarantine is $1 \bar{i}$ days，$i l$＇with carro，and 10 days if in ballast．But a vessel may be ndmitted to free－pratigue 10 days after the total discharge of her cargo．The period of quarantine for goods is oo days．Ships of war， loringing fonl bills，perform $1: 2$ days：with＇sus－ gertcol＇bills， 7 days．

The duarantine charges are－
For＂t guards， 10 piast．ath per diem，and board．
For guard boat， 15 piast，per diem．
For disinlecting poods， 1 to Io piast．per hate， areording to size．
For dues，I to $3 \overline{5}$ piast．per diem，accordiner to tomate．
For the interrogratory，from 2 to 20 piast． accurding to tomange．
liills of liealth for vesaels lommel the Levant，I to $\because f$ piast．aceording to size of vessel．
＇luavelers in Lazarcto pay for the guarl 10 phast，per day，and lo piat，tor the whole term，as rent of room，and prive of fimmations．
liseges of the Purt．－The general usage of the port in loadiner and matording vessels，when no Clanse of the charterparty exists to the contrary， is that Inward cargues are lamded into the Custom－ house，at the shipis expense．As regards out ward cardoes．eotton is taken from the Gheoma（ware－ honse）at the cost of the murchant，and is delivered to the shipmaster oll the quay．The charges for porterage，marking，sacking and commission，come to $1 \frac{1}{2}$ piast．per bale．The ship＇s subsequent outliy for pressing，lighterage，stowage，de．is $7 \frac{1}{2}$ or 8 pis－t．pur balle．

Corn secds，dic：are shipped at the charede of the morchant，at the cost of 27 paras per ardeb．
lias is delivered by the morehant on the quas， and his untay is mueld the same as on cotton． This article is not pressed，and the ship；s expenses for lighterage and stowage are about ${ }^{2}$ piast．per bile．
The charge of lighters is 9 or 10 piant．per diem． dral心 working on board in stowinf．S．e are pad ti jiad．jer do．

It aften wecurs that highters left in the charge of veserls whitst loadiur heet with injury．In that abou the Srab owners atyly agatinst the master， and rewover．

Nust carinues of com，der are taken from the lachats choma，and a clame in the charterparties sencrally obliges the shap to conform to iss distri－ Toution．＂That is cthecef by the recovers being classed amd irawimen lot for jriunty．

There i a the clamed ingan－vomeds that dischatre uncir hallatst into the harbour，in－ －feoth of eatusing it to be tahen on tor a plater ：リ中minterl．
The following are the chateres onf business at Alexnmelria：－

On Selliag．
 Porterake and caniel hife，piast． 12 to 15 jer prackage． Tluntre．ure and seret lirok crase Comminion for ellerthop osle Sifto for attempling sale s．ic Dtto ac procelda are remitted ly $\quad-\quad: \quad:$
 of ！ine mill brikuray I Warchouse rent

## On Buying．


Comminhaw on purchasing
Commisesion on drafis
Brakerate 1 mer mill，on dito
Warchonse rent never incurred on government produce，which is shipped from the shoomia． When other produce is stored，the rent depends on the time and on the bulk of the goods． shippinty charges：－

On Goverument cotton，piast． $1 \frac{1}{2}$ per balle． l＇rivate ditto， 1 piast． 30 paras，do．
Goverument corn，＂－7 paras per aroleh．
l＇rivate difto，piast． 2 per ardeb．
Grovermment flas，piast． 112 per eunt．
l＇rivate ditto，piast． 2 per ceant．
fiuncs，harrels，is to lit piast．
Other charges，－l pinast． 20 paras．
Policy of Whemet Ali．－It is mush to be regret－ ted Meliemet Ali，who was in many respects one of the inost extraorlinary men of his are，should have had no just conception of the principles ly the adojution of which his plans of improvement might have been perpetuated，and indenstry esta－ blished on a solid formdation．Ile interfered with everything，and left as little as possible to the discretion and enterprise of individuals．He may， indeed，be said to have heen the sole propristor， mannfacturer，farmer－general，and wholesale mer－ chant in his dominions．It was no donbt stipula－ ted in the treaty concluded between this comatry and the Turkish govermment $1418: 38$ ，the pro－ visious of which extend to Eryst，that the momo pulies which previonsly existed in the different parts of the Turkishempire shouhd all tic aboliohed， and that，in future，all parties should be at liberty to thy and sell all descriptions of produce at such prices and in such a way as they thontht lit．This stipulation has，howerer，been of little consequence in Eirypt；for as the largest and best portion of the lind has become the property of the l＇acha on his dejendents，and the tiases are mostly all paid in produce，the government continmes，in ellect：in possession of its ohl monopoly of the produce of the country，and has power to determine the price at which it shall be sold．A system of this surt．is ingurions alike to the juterests of the prombers and merchants；inasmuch as they are both liable to have their plans and spectalations deranged by the caprices and regulations of those in anthority． It is dillicult，however，to surgest any menns by which this inconvonience might be aroided：and it is mach to be resretted that，when the luramen powers lietated the torms on which tha leachat and his fimily should lobl the eonnter，they dial mot made some stipulations in fivour of the rithes al the poundation；which，had they been properly devied，would have been as mod for the advan－ tage uf the l＇achas as of their subjects．
－Imient Trade of Alexumdria．－As already remarlan，Alexandria was，for a long series of vears－lirst moder the Greek suceessom of Alesimb Sher，and subsegmently under the Romatas－ila： pracipal catrepot of the ancient worb．Most part wi the trathic between Asia amel Europe that had at a more carly period eentred at Tyre，was krablally diverted to this new empurinm．Alt intercourse
hetween and thos subsinted Efypt a carried on Lied Sea along tho liasselgat India nea was the c
1tolemies
been ame
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winds，ven
from the
Allantic $O$
a prosperol
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Malnbar co
ol＇Indian
with the e cowery was
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which had and how to appear，thos compass by owing to tl imperfect st Allicients seld in seas with will be forwa daring were that howas contemporari

Jrom the periodically fr products of E Indian goods and lierenice Soptos（the 1 they were pu Hesandria，w the western wh convered to M same romite shore of the $A$ north of the me from it to Cop miles．Berenic sumth，being 1 hilt by Ptolem Cintos is state the dimerent re termined by the abont I2 days． this station to sarriage to Copt सraditer proximit cund its lessenin！

Pliny says ti morlities brough was increased a 1 ly the expense however，that th meaning morely ferially enhanced like that hention The imporition of could not［pessib］ more expenses of | lih，vi，eap．xxiii． |
| :--- |
| fiens，po． $161-17 i$ | fiens，pp．161－176， note 20，fec．） $\ln (1$ Indian commoditi

hy var of Ale－sin

## ALEXANDRIA

between the ports on the castern coast of Egypt, and thuse on the opposite const of Arabia, had subsisted from a very early periokl. That between ligypt and India was more recent. It was at first carried on by ships, which having sailed down the Red Sea from Myos Hormos and Berenice, coastel along the Arabian shores till they reached Cape Hasselgate, whence a short course bronght them to India near the month of the river Imbus. This was the course followed during the dynasty of the P'tolemies: but about 80 years after Egypt had been anvexed to the Roman empire, Hippalus, the commander of an Ligyptim ship tradine to ladia, laving blicered the regular shifting of the tame wiads, ventured to sail with the western monsoon from the Straits of Babelmandeb, right across the Atlantic Ocean; and was fortumate enongh, after a prosperons voyage, to arrive at Musiris, in that part of India now known ly the name of the Malabar const. llaving takein on board a cargo of Indian produce, llijpalus returned in sufety with the eastem monsuon to E.gypt. This discovery was deemed of so much importance. that the name of the discoverer was given to the wind which had earried him acrass the Ocean to India; and how tritling soever this voyage may now appear, those who consider that Ilippalus had no compass by which to direct his course, and that, owing to this circumstance, and the otherwise imperfect state of the art of navigation, the ancients seldom ventured out ofsight of land, even in seas with which they were well neppainted. will be forward to admit that his enterprise and diaring were no wise inferior to his suceess; and that he was well entitled to the sratitude of his contenporaries, and the respect of posterity.

Firom the epoel of this discovery, theets traded periodically from Egypt to Musiris, conveying the products of Europe to India, and conversely. The Indian goods having been landed at Myos filormos and Berenice were thence conveyed by caravans to (oppos (the modern Kemé), on the Nile, where they were put on hoard lighters and sent to - Ilexandria, whence they were distributel all over the western world. The goods sent to India were conveyed to Myos llormos and Berenice by the same ronte. Myos Itormos was situated on the Whote of the Arabian gulph, about a degree to the anth of the mudern port of Cosscir. The distance from it to Coptos, in a straight line, is about 70 miles. Berenice was situated a good way farther sunth, being nearly under the tropic. It was built be Itolemy Philadelphus. Its distance from Sompos is stated by lliny at 258 homan miles; the dillicrent resting-places on the road were determined by the wells, and the joumer oempied ahont 12 days. I'tolemy seems to have preferred this station to Myos Ilomos, though the land surriage to Coptos was so much firther, from its Erester proximity to the Straits of Babelmandel. and its lessening the royage up the lied seat.

I'liny says that the cost of the ludian commolitics brought to Rome through Nexamelria was increased i homired fold (ecntnplicato reneant) by the expense of earriage, fe. We suspect however, that this is a rhetorical exaggeration, meaning merely that their price was very mitterially enhanced. If the inerease was anything like that mentioned, it must have been oving to the imposition of oppressive thals and daties, for it could not pessibly have been oceasioned by the mere expenses of convevance. (1'lin. Mist. Nat. Jib. vi. cap. xxiii. ; Ameillon, Commerce des Fophtiens, 1 m . 161-176, ,Ee.: Robertson's Ancient India, note 20, fe.) In the sixtemth century. the cost of Indian commodities hrought to Western Europe by way of Alesandria and Aleppo was abont three
times the cost of those brought by the Cape of Gowed Hope. [East lada Comiany.] But Exypt wat then occupied by the Mamelnkes and 'lurks, who threw every sort of obstacle in the way of commerce, and loaded it with the most oppressive exartions.
Lesides this important trallic, which supplied lome and the western world with the silks, spices, precions stones, and other product of A rabia and India, a great trade in corn was carricd on from Slexamdria to liome. Legypt, for a lengthened periol, constituted the granary from which liome. and atierwards Constantinople, drew the princinal part of their supplies ; and its possession was, on that account, reckened of the utmost consequence. Augustus employed merchantmen of a larger size than may that had previonsly traled in the Mediterramean to convey the corn of lisynt to Ostia. They wero escorted by ships of war. The tleet received the names of sacra aud felix embole: and enjoyed several peculiar privileges. The ships belonging to it were the only ones authorisel to hoist the small sail called suppurum, when they drew near the coasts of ltaly. Some of the fastsailing versels attached to the theet were sent on befure, to give notice of its approach ; and a deputation of senators went down to Ostia to receive the ships, which anchoted amil the acclamations of an inmense number of spectators. The captains were obliged to make oath that the corn on board their ships was that which had been delivered to them in Egypt, aum that the cargees were entire as shipped. (Huct, Commerce et Navigatiou des Anciens, cap. xlviii.; Sencese Epist. cap. 1sxvii.; and the chapter on the Commeree of the Lomans in the volume of Treatises by the author of this work, end el. 1859.)
Intercourse with Indias through Alexundria.These few details will, perhaps, serve to give a faint idea of the importance of Alexandria in the commerce of antiguity. It is impossible, indeed. for any one to chance nt a map of the world. or of the ancient hemisphere, and not to perceive that Egyit is the natural cutropot of the commeres betwen Lurope and all the vast comutrices streteling E. from Arabia to China. The diseorery of the route to India by the Cape of Ciood llope, in 1.198, must, wo doubt, have, mader any circumstauses, diverted a considerable portion of the trade with the western states of Eurone, and in the heavier and bulkier class of articles, into a new chamel. It is, however, abmedantly certain, that hat the same facilities for conducting the thate with the East existed in ligylt in the sixtwenth and seventeenth centuries that existed in it in antiquity, she wonld have continued to be the centre of the trade for all the lighter and mano valuable prodacts, and the route of the greater number of the individuals passing between Entope and Asia. But the lawless and arbitrary dominion of the Manclukes, who loaded all individuals passing through the comery with oppresive exantimes, at the same time that they treatel atl forcigneses, and especially Christians, with insolence and contempt, pat an entire stop to the intercouree so long earried on by this shortest, rocst direct, and most consenient route. Happily, however, a new era has begun, and Exypt hats once more bereme the grand thoroughfare of the eastern and western worlds. After good order and a regular goverument had been introduced into Exypt by Melomet Ali, it was seen that it might be again made the channel of commanication with India: and the importance of facilating the intercourse with that continent forcilly attracted the attemtion of the British govermment and the East ludia Compang. The establishment of a
steam commanication between Europe and Sou thern Asia, by way of Alexatultin and Suez, and the construction of a railway between these towns, are among the most striking aun important events in recent times. They have shortened the journey to India from England more than a hati, and rendered it comparatively snfe and expeditious.

Steam-ships conveying the mails leave Southnmpton for Cibraltar, Malta, and Alexandria, on the 4 th, $12 t h$, 20th, and $2-{ }^{-1}$ th of every month. 'Iliey generally arrive at Gibraltar in alout of days; and atter a fow hours' stay proceed to Malto, which they reach in obout if days more, urriving at Alexmulria in about 13 days from Southampton. Those passengers who proceed by Marsoilles, enbark at that port on board steamers whiel conver them to Malta, where they join the steamers for Nlexandria. On arriving nt the latter, passengers are now (I808) couveyed by rail-
way to Cairo, where they usually remain over nirht, and thenee by railway to Silez. Jirom the latter they are conveged by nteam-ahips to llombay, Ceylon, Madras, and Calcutta, or to Sinmapore anil Chína. Another lino of steamers sail from Aden to the Mauritias, and thenco to Melbonrao and other ports in Australin.

The existing (186s) rates of charge in the ships of the l'eninaniar and Griental Steam l'aeket Company are as follow, viz.:-
I. Rates from Sonthampton.


One chitd under three gears of ages, if with the parent, thene.
II. Rates of Passage, inclucling the amount paid ly the Compony to the Lionptian Transit Acministration, for Conreyance of Pussengers through Liyypi.


First-class passengers are allowed 3 ewt. of personai bagrgage free of freight, and chililren (above three years) and servants $1 \frac{1}{4}$ cwt. each.
A passenger taking a whole calint will be entitled to take in the steamers, free of freight, $1 \frac{1}{2}$ ewt. ; and a married cotuple, payiner for reserved accommorlation, will be entitled to take 9 cwt

The charge for conveyance of extra baggage, should there be room in the vessel, will be at the rate of $1 l$. per cwt. between Southampton, Gibraltar, Malta, or Alexnadria; 2l. per cwt. between Suez and India, and 31. per cwt. between Suea, Mauritins, Australia, the Straits, and China.
l'asuengers passing through ligypt will have to pay the Egyptian Transit Administration, 14 s . per ewt., for conveyance of baggage thrumgh, should it exceed, for tirst-class passengers, 3 rwt. ench, and children and servants, $1 \frac{1}{\text { ewt. eich. }}$ This amount is collected on board the company's teamers for the convenience of passengers.

Canal betnern the Nile and the Red Sor,-It is ndirmed, that had it not been for the hostilities in which the late Pacha was almost always eugaged, he would have attempted to reopen the famous canal that formerly combeted the Red sea and the Nile. According to Herodotns, this camal was rommenced by Nechos king of limplet, and tinished by 1arius (lih. ii. s. $1 \overline{58}$, ir. s. $\dot{8}!$ ). Uuder the Jtolemies, by whom, according to some authorities, it was completet. this canal beame an important elannel of communication. It joined the EL., or I'elusiae branch of the Nile at Lubastis, the ruins of which still romain; it thence proceedel E. to the bitter or natron lakes of 'Temrah and Cheik-Aneded, whence it followed a nearly S. direction to its junction with the Red Seant Arsinoc, cather at or near where Sues nuw stands. It is said by Strabo (lib. xvii, p. 805) to have been 1000 stadia ( 122 m .) in length; but if we masure it on the best modern mapa, it condd lardly have exceeded from 85 to 95 miles, 11 ero-
donas says that it was wide enough to admit two triremes sailing abreast. This great work liaving fallen into decay after the downfall of the P'tolemaic dynasty, was renovated either hy Trajan or Alrian; and it was finally renewed by Amron, the genernl of the caliph Omar, the conqueror of legypt, amo 639 (blérodote, par lareher, iii. 450). The lirench engineers traced the remains of this great work tor a considerable distance; and but for the construction of a railway trom Sue\% to Cairo, it would probably huse been reopruct.
The project of eutting a eanal between the lied Sea ami the Mediterranean has been serionsly attempted by M. de Lesseps. Undoubteilly the success of this experiment would be of great eonsmercial value. In addition to this, it would be a matter of the highest political signitiennce to the fovernment of this conntry, becnuse it would expedite the access to llindostan ; provided of conrse always that large slips conlal easily pass such a camal, mud the navigation of the lied sia (now better known perhaps than that of any other sea) was artiticially improved. At present indeed we are far from arriving at the results which the projectors of the eanal propose, we are not satistied that the entrance from the Alediterranean conld be kept clear, that the canal could be maintaitued. or that the ditliculties attending the lied Sea passage conld be permanently obviated. On the whole it seems, that just as the philosopher's stone was the delusion which oceupied the minds of the mediaval chemists, so the Suez canal au! lied Sea passage is a similar ignis fatuus to continental enginecrs, No one we are convinced would be better pleased than the linglish would be to seo the plan suceessful, and none could be more willing to acknowledge themselves in error than linglish engincers would be, it the result corres oonded to the sanguine theories of M. de Lesseps.

ALF.L. [lisponro.]

ALGIERS French territs ut whom 37 situated $35^{\circ}$ The bay, of a ant nomewha course of coms $20,000,000$ frin alsont 2:20 nere Islet de la Mar 10 miles. Its of half a min minutes, the li There are benis heal; that on grcen.
The value of to France in 18 antl in 186: to imports from $F$ Bearly $9.6000,00$ almost all the chece, The art France are chief ore, aud cast-iron Nkins, animals, French hovernme artiticially to sti latier article. I ported from Fyance textile goots, win sump,tion.
The cultiration 185l, has made vo seen from the fillos quantity bonght on facturers in France,

|  | Veass |  |
| :---: | :---: | :---: |
| 1451 |  |  |
| 14.52 | - - | - |
| 1411 | - | - |
| 1xis | - | : |
| lyify | - | $:$ |
| 1 $\times$ ¢ 5 | - |  |

in addition to solnce gerin.

Minernls, such as c mony, and merenry, most considerable are and of mouzaia, hear Algier ${ }^{2}$ from which exported ammually to well to observe, that inost exchusively for $I$ of the value of 8,410 of the value of $5,0 \mathrm{at} 1 \mathrm{l}$. of the value of 67,4931 .
There exists near T Oran, a quarry of tran been much almired, ans Fer, betwixt Ihilipperi sembles the white Ferra this artucle, aut of orn factured from it, were exh Exhibi $\cdot$, of $186^{\circ}$, amp Since that period it has ployed. It sells at from cubic metr:
The cultivation of cott with the same success in $t$ in the province of Constan is the province of Oran situation is particularly $f$ soil, so that nearly four-fif in Algeria is the protuce o

## ALGIERS, A city and nort ALGIERS

of wherritory of alecria l'op, in 1 stion of the situated $30^{\circ}$, Hes $^{\prime}$ were Limropeans. Thiy city $i$ The bay of a ren Nat., lomg. $80 \mathrm{~A}^{\prime}$ elty is and romewhat dolat crescent shanpe, is exposed course of construangerons in winter. A port in $20,000,000$ fran ss, it has alrealy cost upwarly of atment 220 acres of water. The a sheltered shect ot slet de la Marine hater. The lighthouse on the io miles. Its partial ectipelving light visible at of half a minute, and tuses buing at interval minutes, the liwht is total eclipse ewery two There are berides two titrie, of the third order head; that on the wo ixem lights on the mold green. The
to France value of the exports from Algerims ports and in 1863 to $5:, 710,1$ the to the d6.f.697 frimes, imports from lrance inte. The value of the ucurly 9 , oforoon frames and ineria waw in 18.58
 France the articles exported from national proFrance are chiefly minerolsed from Aterria to ore, and cast-iron), casks, wincols (copper, lead, iron skins, animals, cottons, wool, and cole, cercals, rench fovmment are makiner coral. The artilicially to stimulate the paking great effirts latier article. The principal production of the ported fron France to Mrimerial commodities axtextile goods, wines, and general return consist of sumption
articles of con18:5, has made wory tobacto in Algeria, since seen from the folluwint treat progress, as may the quantity bonght on account of the imperish wes the facturers in France, viz. - of the imperial manu-

rerin
med ammally in Al
mony, and, such as copper, iron, lead, zine, anti mont consideratury, are fonnd in Agrerian. The and of mouzuia are thowe of copper, near Tenes Algier., from which a considerabe provinee of exported amually to swasiderable quantity is well to obscrye, that all oth; but it may he most exclusively for France other exports are alof the value of 8,4101 ; $2 \overline{7}, 815,727 \mathrm{cwt}$. of iron, of the value of 5,0611 ; and and cwt. of copper, of the value of 67,4931 , were $106,782 \mathrm{cwt}$ of heal There exists ncar Tlencexported churing $18 \overline{0} 7$. Oran, a quarry of translucid, in the province of been mach adinired, anslucid marble, which hats Fer, betwixt Philipped, and another near the Cap de sembles the white fermare and bona, which rethis artucle, and of orrara marble. specimens of factured from it, were exhamitedal statuary mam-
 Since that period it has bected great attention. ployed. It sells at from bech considerably cunenbic mew: The cultiv
with the same sucecss intho has not been attended in the province of Const the province of Algiers as in the province of Oran at and more especially situation is particularly fay at the Sig, where thi
soil soil, so that nearly four-fifthe of the climate and in Algeria is the produce of than prow cotton raised

The south of Akreria and the Ziling woun 20 duce, with proper irrigation, cottoan would breis rerespect, as any grown in tuen as geme, in is rare in these districts. $n$ in America, but watir have been made of late, Hewever, Artexian wells these parts of the consery, and luxurine success, in specis the necessary conscoucureriant vegetaspecimens of cotton frown in conece. Somo tine at the International Fulibitiseria were shown julying from its cost of withition of 1862 , but with the cotton of India prounction as compared there is little probability of $A$ of other compantrices, able tostand competition with the cototon being (see Rapyorts dup Jury International, ton of hadian. ${ }^{t}{ }^{5}$ ser. $)$
The nost important
Mers-cl-Kclir, ()ran, ports of Atseria are $1 h_{\text {picrs }}$ vilfe, Mostaganem and Tene, Stora and IhilipecThe followitem and Tenez.

## and cleared at French and foreinne total amome

 and eleared at Agerian frerts ingn, which entered

Kiugdon from of vessels which entered the United the toanage 11, bi30 tons; in the lot:3 was 69 and cessels, 13,988 tons, cleared in the same year, 9:2 The commerce betwared. regarded asa constine trat France and Agreria vessels of Fronels register ouly is still rescreded ta l'ort Jues,-The ter omly
sent existing betwe treaties' of commeree at pre do not npply to Algeria, firitain and frimece ships arrive in the prorts of this, when British they are subpinces, except grain or dry ton are subjected to a fixed duty fry ur visions, ton. from whaterer comper dhty of 4 banes pur their eargo; bat if the muloadiuir arrive or hant mere than one port ot the doading takes pace in paid once for cargoes of this demy, the duty is only
liritish ships, as woll as description, privilege of cxemption from all others, enjoy the duty ot 1 frames a tom, if them the payment of in ports loaded with timber if they conse from northern of French or Alserime produce depart with a eargo however, not he a fibl cargo, Should the cargo, three-fuarters, tomare cargo, but bot less thm the anomut of tomage dues will be exacted frum like regulations tonnage not employed; and the not hess than hate exist in leaving with a cargo of
Frach ships arvivitrench or Alserine prontuce exmupted from arriving in Algeria are completely sonme articles imported in fres, and the duties on than those on British or french vessels are less Art. I8 of the treat or forcign vessels. vilcs that the stipulations of that trenty, 2360 , pro. the exportation of produce, and the traty, both fior Corsh goods, shall be applicable to consequently, in the direct trade able to Algeria, cajoys the same privileget as the, British eominerce avitish vessels are, howerer at of France. navigation dues, and, if oceasion still sulyect to the additional thag taxes; it is to should arise, to the that the contemplated ; it is to be hoped, however, gation laws will abolish or in the French navicliarges. See Lafoukaire or greatly reduce these France (Alyirie, ip. 74, 89). Tarif des Douanes de The Droits de p. 44, 89).


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duck or port dues, is 5 centimes per ton for Freneh vessels, and 10 centimes per ion fir all other vessels, tuless coming from ports out of Burope, when it is lifteca centimes.

Pilotage.-The charge for piloting all vessels in and out of port is 16 centimes per ton.

Quarantine.-A charre of 3 centinies per ton aday is made on vessels in quarantine.

Cooking of Prorisions,-A regulation was promulgated on March 30 , 1857, prohibiting the cooking of provisions, or the melting of tar, on boarl merchant vessels, or on the quays, except in the public kitchens or tire-phaces established on shure. The charge is 15 centimes, or $1 \frac{1}{2} d$. fir cach tire-place used for each meal, and 50 ecntimes, or iod., for each cauldron of pitch, tallow, or tar meltell in the fire-place.

Mrechant, steam or sailin, vessels, are now allowed to have provisions cooked on brard by having a guard, at the rate of 3 frames a-day.

Dallast is furnished at the rate of 1 fratuc and. 15 centimes a ton to ull vessels.
No dues are charged for lighthouses.
In obtaining the immunities of the French flag for foreign vessels in Algeria, it was necessary formerly to pay one-fourth of the value of the vessel; now one-tenth only is required.

All materials, as iron and wood, for the construction of vessels, are admittel free of duty:

Brokers' charge for clearing out a linitish, Ameriean, or Swedish vessel, tifty franes on account of interpretation, and sisty and one hundred francs have been charged in cleariug out very large liritish steam ships.
Brokerage is at the rate of four per cent. per ton for obtaining a cargo, and one-half per cent. for collecting freight.

The following Tables represent the trade of Great Britain with Algiers lor the five years 1861-5:-

Imports.



ALICANTE. This city gives its name to the province. Aceordiner to the report of Colonel Barre, the lritish consul at Alieninte, it contained $31: 200$ inhabitants in 1863. The harbour is formed ly a mole prujecting into the sea, of 220 metres, and a countermole is in consiruction, of which 250 metres are laid down. In April 1863, a fixed white light was extablished at Altea in lat. $38^{\circ} 33^{\prime \prime}: 10^{\prime} \mathrm{N} . ;$ long. $6^{\circ} 8^{\prime} 18^{\prime \prime} \mathrm{E}$, which is raised 112 metres alowe the seal. and is seen at 9 miles' distiance. 'the work of deepeniarg the harbour has been carried on for the last few years, in which operation two large stemm dredges and a small whe are employed. Those works and the deepening of the harbour will, it is hopen, be conclucled this year ( $186 \overline{7}$ ). The depth of water alongside the mole varies from 1 metre to 5030 metres in the tirst third part, and to (i. $\cdot$ th metres in the last two thirds. so that vessels from 800 to 1,000 tons are cnabled to discharge their cargoes there. Pilots are required in utder to bring in and to moor the vessels.
The following are the port charges paid by Spanish and foreigin vessels:-

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Smehorge dies - 2 rials per Cavilian ton. 
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Pischarge of cargo
landing of carto Caphaing of carso

- Trom? 20 s ifitiso.

Since 1852 no diffrential thes are levied on British ships in Spanish ports.
The shipping dues, whieh were formerly aneliorage dues, 1 rial per ton; light dues, ditto; health dues, $\frac{1}{2}$ rial per ton; eargo loaded or discharged, 5 rials per ton, were doubled from Jamary1. 186, 1, in order to defray expenses of improvin:.
the port. the port.

## Pilotage dues.



In 186.4 the imports, in 163 lritish vessels, amounted to 261,830 . and, in 348 foreign yessels, to $\dot{5} 29,7: 2 l$. Those in st camers umder spanish thag camot he ermputed, as all grools for Madrid are forwarded from the mole in sealed wageons, to be there examiused and the duties imposed; and it is calenlated that about two-fifths of those landed here are thus sent to Madrid. The priucipal articins of importation in British and forcign vesrels are coals, iron and railway material, which are free from duty, and timber from the Baltic,
most ot
Spanish
duties i The
foreign
year, co and lat exporter trade, ho is aseribo riage by number tomuage tons in 1 and Jáv $170,541 \%$. extent in tion of sa and wine The or sound qua in the yea of 100 im cluded. $C$ planted wi oft a great duties on posed acco lorem, the
The only that of eiga upwards of used being Philippine Spain has athorling co
The expo most notabl plant has lor and baskets. town of Crev matting and all parts of S persons, cons and produce in length. annually exp be carried if 1

After the 1857, the trid creased, and years ago, 17 opening of se linving cansen that the ano diminishing, $t$ harbour, and cheapest, this heary grools. An electric operation betw pertance of spa C'ustom Hows cargo, the ship must br present pratique is give
of cargo from of cargo from
loading, when pit on board t signees then ma to them, and ob collector. To 1 ward cargo, the eollector, who gi
be shipped, and entries. When otlicers make the receiving the por
most other articles of commerce being brought in Spanish vessels in order to avoid the differential duties imposed on foreign shipping.
The exportation at this port, in British and foroign 7esseis, amounted to 207,8881 . in the same year, corsisisting of wine, almonds, liquorice, lead, and latterly esparto ( 9,000 tons of which were exported in the same year to Great Britain). The trade, however, in 1866, fell to 57,781 . The change is ascribed to the superior advantages of land earriage by the northern railway. In 1866, the number of ships visiting the port was 673 , with a tomage of 156,710 aguinst 1069 ships of 247,222 tons in 186\%: In the immediate ports of Denia und Jávea raisins and almends to the value of 179,5 $\mathrm{H} / \mathrm{l}$. were exported in 1864, and to the same extent in 1866; and from Torreviefia the exportation of salt. principally for the Baltic, and fruits and wine for Algeria, was valued at 83.437 I.

The ordinary wine of this province is of good sound quality, and remarkably cheap, being slipped in the year 1865 at from 4/. 4s. to $4 / .10 \mathrm{~s}$. per pipe of $100^{\circ}$ imperial gallons, free on board, pipe included. Of late years large tracts of land were planted with vines, in consequence of the prospect of u great opening of trade by the reduction of duties on wine in England, but these being imposed according to the strength, and not ad ralorem, the dutics amount nearly to prohilition.

The only manufactury of any importance is that of cigars, a government monopoly, in which upwards of 4,000 women are employed, the totaeco used being from the United States, Cuba and the Philippine Islands. A branch of the Bank of Spain has been established here for some years, adiording considerable facilities to commerce.

The exportation of esparto grass is one of the most notable in the returns of Alicante. The plant las long heen used for making rope, matting and baskets. Fifteen miles from Alicante, at the town of Crevillente, there are 40 manufactories of matting and imitation carpets, which are sent to all parts of Spain, which give employment to 4,000 persons, consume annually 10,000 toms of esparto, and produce 175,000 pieces each of 40 to 50 yards in length. About 8,000 tons of this grass aro ammalty exported from Alicante, and more could be carried it treights were lower.

After the opening of the railway to Marrid in 18.57, the trade of Alicante was immensely increased, and the population, which was, twenty years ago, 17,000, has nearly doubled; but the opening of several other railroads to the capital having eaused the monopoly to cease, it is found that the amount of commeree is proportionally diminishing, though, from the excellence of the harbour, and the railway being the shortest and cheapest, this port will always be preferred for heary roods.

An clectric telegraph has been for some years in operation between this atd all the towns of importance of spain, and consequently of Europe.

C'ustom Hover Regnlations.-A manifest of the cargo, the ship's tomage and number of crew, must he presented within twenty-four hous after pratique is given, together wich a sealed register of cargo trom the Spanish consul at the port of loating, when one or two othicers are oceasionally put on hourd to prevent smuggling. The consignees then make entry of the articles consigued to them, and obtain an order to discharge from the rollector. To load the whole or part of an outward eargo, the master reports his intention to the collector, who gives his order permitting goods to he shipped, and the shippers make their specitie entries. When the vessel is loaded the waiting ollieers make their return to the collector, who on receiving the port, sanitary, and consumption dues,
grants his clearance, upon which a bill of health sobtuined and the vessel is clear for sea.
Alicante is not a favourable place for repairing ships.

Warehousing System.-The permission of the government to boud or deposit goods for one vear. not having been taken advantage of by merchants, and a useless expense incurred, the order was rescinded atter a trial of two years.
Vessels with foul bills of health, or coming from an infected or suspected place, thongh with clean bills, are usually ordered to the Lazaretto of P'uerto Mahon ; hut vessels coming with clean bills obtuin under ordinary circumstanees immediate pratique.

Accounts are kept in rials vellon of twenty to the dollar, and in ceatimes of a rial. 'The official nomenclature for taxes and expenditure has recently been elanged into escudos of ten rials or half a dollar.

Weights and Measures.-The cargo 2? quintals or 10 arrobus; the Valencian arroha contains 2.1 Ibs. of 18 ozs, or $\mathbf{3 6}$ of $120 \%$. At the custom house the Castilian quintal, containing I Castilian arrobas of 20 ibs. of 160 . each, which is nearly 10 per cent. less than the Euglish cwto, and the new metrical system, are alone admitted.
The wine measure is the cantaro of 16 michetas. A pipe contains 40 cantaros or 100 imperial gallons. The yard or vara divided into 4 palms is 29.96 , or very nearly 30 Eaglish inches.
(We are indebted for the above article to Colonel Barrie, II.M. consul at Alicante.)

AlilENS. According to the strict sense of the term, and the interpretation of the common law, all individuals born out of the dominions of the crown of England (alibi naus) are aliens or forcigners.
It is obvious, however, that this strict interpretation could not be maintained without very great inconvenience; and the necessity of raking execptions in favour of the children born of native parems resident in foreign conntries was early recognised. The 25 Edw. III. stat. 2, enacts, that all children bory abroad, provided both the parents were at the time of their birth in allegiance to the king, and the mother had passed the seas by her husband's consent, might inherit as if born in lingland. And this relaxation has been carrict still further by several modern statutes; so that all chiddren born out of the king's ligeance, whose fathers, or grandfathers by the father's side, were natural-born subjects, are now deemed to be themselves natural-born suljects: mnless their ancestors were outlawed, or banished bevond sea for high treason, or were, at the birth of such children, in the service of a prince at enmity with Great Britain.

Naturalisation of Aliens.-Aliens may be naturalised by Aet of Parliament, which puts them in exactly the same condition as natural-born subjects, except that they are incapable of being members of the privy council, of being electe: to serve in parliament, or of holding uny ottice of trust under the crown.
A denizen is un alien born, who has obtained letters patent, ex douatione rgis, to make him an English subject. Ile occupies a kind of middle: station between a natural-born subject and an nlien. He may aequire lands by purehase or devise, but not by inheritance; and may transmit such lands to his children born after his denization, but not to those born before. (Blackstone's Com, book i. ch. x.)

An alien may also be naturalised by serving on board any of his Majestys ships of war, in time of war, for three years, or, if a proclamation has been issued to that eflect, for two sears. (6 Geo. IV. c. 109, ss. 10,17 .)

Influence of the Residence of Aliens.-Tbere can he no cloubt that, renerally speaking, the resort of foreigners to a country, aid their residence in it, are highly conducive to its interests. Those who emigrate in order to practise their calling in an old settled eomitry are pretty miformly ilistinguished for aetivity, enterprise, and good conduct. The native inhabitants lave so many alvantages on their sille, that it would be absurd to suppose that foreigners should ever come into anything like successful competition with them, unless they were acquainted with some branch of trade or manufacture of which the others were ignorant, or possessed superior skill. industry, or eennomy. But whether aliens practise new arts, or introduce more perfect procesces into the old, or display superior economy, de., their influx cannot fail to lie of the greatest mbantage. They practically instrict those among whom they reside in what it most concerns them to know, that is, in those departments of art and science in which they are inferior to others; and enable then to avail themselves of whatever forcign sagacity, skill, or practice has produced that is most perfect. It is not casy, indeed, to overrate the benctits conferred on most countries by the resort of aliens. I'reviously to the invention of printing, there was hardly any other way of becoming aequainted with foreign inventions and discoveries; and even now it is far easier to learn any new art, method, or process, from the example nut instruction of those faniliar with its details, than from the best possible descriptions. 'The experience, indeed, of every age and country shows that the progress of nations in the carcer of arts and civilisation depends more on the freedom of commerce, and on the liberality with which they have treated foreigners, than on almost anything else.

English Iegislation as to Aliens,-But, notwithstanding what has been stated above, an antipathy to resident foreigners seems to be indigenous to ail rude and meivilised nations. Whatever is done by them appears to be so much taken from the employment, and, consequently, from the subsistence of the citizens; while the altantages resulting from the new arts or inuproved $\jmath$ ractices they introduce, for the most part manifest themselves only by slow degrees, and rarely make any impression on the multitule. Hence the jealousy and aversion with which forciguers are uniformly reqarded in all countries not far advanced in civilisation. 'Ihe carly Greeks and Romans looked upon strangers as a species of enemies, with whom, thongh not actually at war, they maintained no sort of friemdly intercourse. 'Ilustis,' says Cicero, 'apud majores nostros is dicebatur, quen nunc peregrinum dicimus.' (De Off. lib. i. c. xii.) It way, therefore, be considered as a striking proof of the good sense and liherality of those by whom it was framed, that a clanse is inserted in Masna Charta which has the encouragement of commeree for its object ; being to the effect, that 'all merchants (if not cpenly prohibited before) shall have safe and $\leqslant 1,2$ conduct to depart out of and to come jnto England. to reside in and go throngh England, as well by land as by water, to buy und sell without any manmer of evil tolls, by the old and rightlul custons, except in time of war; and if they be of a land making war against us, and sueli loe found in our nation at the begiming of the war, they shall be attached without harm of boly or goods, until it be known unto us, or our edief justice, low our merchants be entreated in the land making war ngainst us; and if our merelants be well entreated there, shall be so likewise here.'
But untii the era of Edward I, the stipulation in the Great Charter as to foreign merchatits
seems to have been little attended to. $I$, is donbtful whether, previously to his reign, they conld either hire houses of their own, or deal except through the medium of some Englishman. But this intelligent prinee saw the atvantage that would result to the trade and industry of his sul)jeets from the residence and intercourse of Germans, Flemings, Italians, and other foreigners, who, at that time, were very superior to the English in most branches of manufactures aud commerce. Ite, therefore, exerted himself to procure a repeal of some of the more oppressive restrictions on aliens, and gave them a charter which conveyed considerable privileges. This charter was contirmed by Edward 111. in $13: 28$. Among other clauses, it has the following: viz. 1. That on any trial between foreigners and Englishmen the jury shall be half foreigners ; 2. That a proper person shall be appointed in Iondon to be justiciary for foreign merchants; aud 3. 'That there shall be but one weight and measure throughout the kingdom. (Andersor, anno 1302.) Down, however, to the reign of Edward III., it continued to be eustomary to arrest one stranger for the debt, and even to planish lim for the crimes and misdencanours of others! It may appear extraordinary that the gross injustice of this barbarous regulation ever permitted it to be adopted; aul vet it was probably, at one period. the common lav of most European states. As soon, however, as the foundations of good order and civilisation began to be laid its operation was seen to be most prernicions, In 1325, Edward II. entered into at convention with the Venctians, in which it was expressly stipulated that they should have full liberty to conc to England to buy and sell commodities, without being liable for the debts or crimes of others. Conventions to the same effeet were entered into with other fureigners. At length, in 1353, this disgraceful practice was put an end to by 27 Edw. III. st. 2, c. 17 ; it leeing provided in this statute, not only that no stanger shall be impeached for the trespass or debt of another, but that, in the event of a war breakiner out with any forcign power, its subjects, residingr amongst us, shall be warned thereof by proclamation, and be allowed forty days to arrange their aftiors, and to depart out of the kingdom; and that, under special circumstances, this term may be extended. 'There are few acts in the statutebook that refleet more credit on their propwsers, or that have been more advantageous than this.

In eonsequene of the eneouragement given by Eiward III. to such of the woollen manufacturers of Flanders as chose to immigrate to England, a good many came over ; and it is from their immifration that we may date the improvement and importance of the woollen manafacture in this conntry. [Wooblen ilanuractume.] Jhat this policy, however wise and judicious, was exceedingly unpopular. This foreigners were openly insulted, and their lives endangered, in London and other large towns; and a few of them in consequence returned to Flanders, Didward, however, was not to be Iriven from his purpose by an unfounded clamour of thiz sort. $\Lambda$ prochamation was issued, in which every person accused of disturbing or attacking he forcign weavers wis ordered to be conmmitted to Newgate, and threatene! with the utmost severity of punishment. In a parliament held at York, in 1335, an Act was pussed for the better protection and security of foreign merchants and others, by which penaltics were inflicted on all who gave them any disturbance. This scoms to have had the eflect, for a while at least, of preventing any outrages.

Ihe corporations of London, Bristol, and other
great towns, have been at all times the prineipal enemies to the immigration of foreiguers. Perhaps, indeed, they were not more hostile to them than to such of their own countrymen, belonging to, another part of the kingdom, as should have attempted to settle anongst them without heing free of their corporation. But in denommeiner foreigners they had the national prejudice on their side; and their attompts to contirm and extend their monopolies by their exelusion were restarded as the noblest efforts of patriotism! lidward 111. was fully aware of the real motives by which they were actuated, and steadily resisted their pretensiens. But in the reigns of his successors they succeeted better: some of these were feelile anil unfortanate, whilst others enjoved the erown only by a disputed title, and in detiance of powerful competitors. The support of the great towns was of the utmost consequence to such princes, who, whatever might be their own opinion as to its policy, could hardly venture to resist the solicitations of such powerful bodies to exclude strangers, and to impose restrictions on commerce. From the death of Edward II I. to the reign of lilizabeth, the progress made by the conntry was not inconsiderable, but it was little promoted hy legislative enactmonts. 'Throughont the whole of this period, the influence of corporations seems to have predominated in all matters relating to trade and the treatment of toreigners; and our legishation partook of the selfish, monopolising character of the source whenee it was principally derived. Were tho Aets and proceedings as to aliens the rnly memorials of our poliey from 1377 to 1560 , we should certainly seem to have retrograded materially during the interval. Some of these Aets were pussed with so little consideration, and were so very absurd, that they had to be inmediately repealed. Of this sort was the statute of the 8 lenry VI, c. 24 , to tho effeet 'that no Englishman shall within this realm sell, or canse to be soid, hereafter, to any merchant alien any manner of merchandises, but only for ready payment in hand, or else in merehandises for merchandiese, to le paitl and contented in land, upon pain of forfeiture of the same.' Jut as an enactment of this sort was very speedily found to be more injurious to ourselves than to the foreigner, it was repealed in the following session.

The more tyrannical their condact in other respects, the more were our princes disposel to humour the national prejudice against foreigners. If not a cheap, it was, at least, an casy method of aequiring popularity. In the very first parliament after the accession of Lichard ILI., a statute was passed full of the most ridiculous, contradietory. and unfounded allegations as to the injury sustained by the intlos of foreigners, and laying them under the most oppressive restraints. Considering, indeed, the sort of treatment to which aliens were then exposed, it may excite surprise that they should ever have thourht of visiting the country ; and, in point of fact, it appears that the resort of foreign merchants to our ports was materially impaired by the statutes referred to, and others of the same deseription. This is evident from the Act 19 JIenry VII. c, 6 , where it is stated that ' woollen cloth is not sold or uttered as it hath been in divers parts,' and that 'forejgn commedities and merclandises are at so tear and exceeding high prices that the buyer cannot live thereon,' But in despite of this anthoritative exposition of the misehiefs arising fron! the restraints on aliens, and on trade, they were both increased in the reign of lIenry VIIF. And it was not till the reign of Elizabeth that the pretensions of the corjorations seem to have been disregarded, and an
attempt made to net, not by starts, but consistently, on the poticy of Edward III.
The intlus of forcigners during the reign of Plizateth was oceasionel eliefly thy the peseentions of the Duke of Alva and the Spaniarils in the low Countries, Jhe friends of the reformed religion, which, at the time, was far from being firmly established, and the government, were ghad to receive such an aceession of strength; and from the superiority of the Flemings in commerce and manufactures, the immigrants eontributed materially to the improvement of arts in England. It would seem, however, that the ministers of Elizabeth contentel themselves, pehajes that they might not excite the publis prejudice, with declining to enforce the laws against aliens, withont taking any very active stepsis in their favour.

In: the reign of dames I, the corporation of London renewel with inereased earnestness their complaints of aliens. In 1622 a proclamation was issued, evidently written by James himself, in which. under protence of' keeping 'a due temperisment ' between the interests of the complainants and those of the foreigners, he suljects the latter to fresh disabilitics.

Since the revolution, more enlarged and literal views as to the conduct to be followed with respeet to aliens have continued to gain ground: several of the restrainmg statutes have fallen into diisuse, while others were so much moditied by the interference of the courts, which have generally been inclined to soften their severity, that their more oflensive provisions became inojerative. In 1708, an Aet was passed, notwithstanding the strenuous opposition of the corporations, for the general naturalisation of all forcirn protestants ; but the prejudice against them was still so powerful that it was repealed within about three years. Some attempts were afterwards made to carry a similar measure. One of these, about the midille of last century, oceasioned the publication by 1)r. Tucker of two exeellent pamplilets in which the policy of a Naturalisation Act is ably vindieated and the arguments against it suecessfully exposed. (IIistorieal liemarks on the late Naturalisation 13ill, 1751 ; Queries nectasioned by the late Naturalisation Bill, 175:? )

But, notwithstanding these efforts, nothing effectual was done to relieve aliens from the disabilities under which they labenred till 18.41, when the 7 \& 8 Viet. c. 66 was passed. 'l'his Act authorises the secretary of state for the home department, on his receiving such evidence as he may think necessary in regard to any application by an alien for a certificate of naturalisation, to grant, if he think fit, such certifieate. If granted, the certiticate conveys to the alien (unless some special reservation be made in it) all the rights and privileges of a natural born British sulject, except that he cannot be a member of either house of parliament, or a privy eonncillor. Probably this is as good a law as eould be emucted in regard to this matter.

The following regulations have been issmed by the sceretary of state in reference to the grant if certiticates in pursuanee of stat. 7 \& 8 Vict. c. 66 .

1. Upon an applieation to the seeretary of state for the grant of a certificate of naturalisation, it will be necessary that the applicant should present to ome ol her Majesty's prineipal secretaries of state a memorial praying for such grant, stating the age, profession, trade, or other oceupatien of the memorialist, the duration of his resi dence within the United Kingdom, and of what friendly state he is a subject; whether he intends to continue to reside within this kingdom, and all other grounds on which he seeks to obtain any of
the rights and capacities of n natural-born British suljeet.
2. That the memorialist should make an affidarit before a magistrate, or other person anthorised by law to administer an oath, verifying all the statements in his memorial.
3. 'Ihat a declaration should be made and signel by four householders at least, vouching for the respectability and loyalty of the memorialist, verifying also the several particulars stated in the menorial as gromds for obtaining such certificate ; and that this declaration should be made in due form. lofore a magistrate, or other person anthorised by law to receiv? such decharation, in pursuance of the Aet 5 \& 6 Wh. IV.

Policy of the Latus as to Alieus.-The reason assigned by Mr. Justice Blackstone and others for preventing aliens from aequiring tixed property seem to be very unsatisfactory. In small states there might be grounds, perhaps, for fearing lest the easy alanission of aliens to the rights of citizenship should give then an improper bias; but in a country like England sueh appreheusions wonld be quite futile. In this respect the example of IIolland seems quite deeisive. Notwithstanding the domparatively limited population of that comutry, it was 'the constant polioy of the republic to make Ilolland a perpetual, safe, and securo isylum tor all persecuted and oppressed strangers; no ullimee, no treaty, no regard for, no solicita-. tion of, any potentate whatever has at any time been able to weaken or destroy, or make the state recede from protecting, those who have fled to it, for their own sceurity and self-preservation.' (1'roposals for amending the Trade of Holland, printed by authority. Lond. 1751.)

A short residence in the country, and a small payment to the state, was all that was reqlired in Holland to entitle a forcigner to every privilege enjuged hy a native. And it is of importance to renark. that it has not been so much as insinuated that this liberal conduct was in any instance productive of a mischievous result. On the contrary, all the highest authorities consider it as one of the man catises of the extraorlinary progress made by the republie in wealth and comnucree. It is said in the otlicial paper just quoted, that * throngsout the whole course of all the F 'rsecutions and oppressions that have oceurred in other comotries, the stealy adherence of the republic to this fundamental law has been the cause that many people have not only fled hithor for refuge, with their whole stock in reatly cash, and their most valuable effects. but have also fiettled and established many trades, fabries, manufactures, arts, and seiences in this conntry; notwithstamding the tirst materials for the said fabrics and manufactures were almest wholly wanting in it, and not to be procured but at a sreat expense from forcign parts.' (Ibial.)

With such an example to appeal to, we are warrated in allirming that nothing can be more idje than to suppose that any number of foreigners which it is at all likely should ever eome to Eingland under the most liberal system for int dustrial purposes, or to escape relifious or political persecutions in their own conntries, shonld oceasion any political inconvenicnee. But it shonkl always be understood that their residence here is to depend on the propriety of their conduct. If they abuse the privileges accorded to them, and come among us not for the sake of an asylum, or for the prosecution of industrious parsuits, but thit they may make this conntry a theatre for arrying on plots and hatching conspiracies against the froveruments of countries with which we may tee in amity, in such case they forfeit all claim to hospitality; and cannot justly complain if they be
(as they ought to be) deprived of their certifieates and compelled to glit our shores. The $10 \& 11$ Viet. e. 83 refers to aliens in British colonies and dependencies.
ALKALA (derived from the Hebiew Kalah, to burn, similar to Arabic, to fry; Arabic, al kala, the burnt). The term alkali originally applied to the ashes of the burnt plants. The plant most used was then called after the name of the burnt ash. The name has now become sencric, and is used in commerce to desiguate potash, soda, and ammcnia, which are respectively distinguished by the terms vegetable, mineral, and volatile alkali. Lithia, cesia and rubidia are also alhalies. The distinguishing eharacteristios of these bodies are, a strong aerid and powerfully caustic taste, and a corrosive action upon all animal matter, destroying its texture with considerable rapility. Exposed to the aimosphere when in their caustic state, they rapidly absorb carbonic acid, and become carbonated or mild, and by passing carbonie acid over them, they becomo bicarbonated or milder. Their action upon vegetable colours afforls us means by which the presence of an uneombined or carbonated alkali may be detected; the yellow colour of turmeric is changed to drown; the blue colour of litmus, after being reddened by an acid, is restored; the violet infusion of red eabbage is ehanged to green, as also many other purple vegetable colours. Litmus paper, reddened by carbonic acid, is, however, the most delicate test of the presence of alkalies: they combine with acids, neutralising their aeid properties, and forming a very important and extensive class of compoonds called salts; a salt being any compound formed by the union of an asid with an alkali or other metallic oxide. The most important of the alkaline salts will be notieed below. Lime, magnesia, baryta and strontia have a similar action on vegetable colours, and are called ulkaline earths.

The fixed alkalies are all oxides of metals, lighter than water. The caustic alkaline earths are oxides of metals still light, but heavier than water; the names of the metals ending in um, that of the caustic bodies chiefly in a sodium soda.

Soela or Mineral Alkeli.-In part, the nitrum or natrum of the ancients, terms also applied to potash; the two alkalies, potash and soda, not being then recognised as distinct substances. Soda is believed to be mentioned by Solomon in l'roverbs xxv. 20, 'as vinegar upon intre,' and by Jeremial, eh. ii. 22, 'althourh thou wash thee with uitre.' Soda was formerly prepared from barilla and kelp; 'barilla' being the name given to the ashes of plants which grew on the sea shore, and 'kelp' being the ashes of sea-weeds. 'These aslees are not now of any inportance as sources of soda, however, they are of great value on aceount of the iodine salts they contain. Soda and its salts are now almost cntirely manufactured directly or indirectly from common salt.

Sorlium, the metal, is prepared by exposing to a white heat. in iron cylinders or retorts, a mixture of dry ear sonate of soda and chareoal dust, n little chatk hein's added to keep the mixture in a pasty condition. The metal sodium distils over, and is condensed in a copper receiver, which must be well rolled and should be surrounded with iee, and must contain rock oil or naphtha. Sodium has a bluish white colour exposed to the air, it is quiekly oxidised, when dropped into cold water it deeomposes a portion of it, extricating hydrogen, and if the water be previously heated, the gas takes firo and burns with a briglit yellow tlame.

Sodium is manufactured on a commereial scale, and is extensively used in the proparation of aluminum or aluninium.

Chloride of Sodium, muriate of soda or common sodd-ia found in immense quantities in the earth as rock salt. The mines of Cheshire and Worcestershire in this comitry, and those of Poland, llunsary, Spain, and many other places, may be said to be inexhaustible. Actual mining of salt is little practised with us. The water near the salt is saturated brine, which is puritied up and evaporated in pans 30 to 60 feet long. The soil around Northwich is in many places mach depressed by this, and the town itself is a constant succession of risings and fallings. It is also obtained in large quantities by the evaporation of sea water. In warm countries this is carried on in pits dug in the beach by the heat of the sun's rays, leaving the common salt, mixed with various salts of magnesia and lime, as a white incrustation. In colder climates the evaporation is conducted in iron pans on the sea shore, by the aid of fuel. The salt crystallises out, the crystals are then draned from the mother liqnor, which is called bittern, and are ready for the market. Basket salt is made by placing the crystals obtained in the aboye process in conical baskets, and washing them with a saturated solution of salt, which dissolves and carries off any magnesia or lime salts.
In Cheshire, the mine salt has heen sold, in 1863, at the pit mouth at even less than half-a-crown per ton. The large erystals used for sola are obtained from the pans at 4 s , a ton. That salt which is rapidly evaporated with the fire is fine, and sold as salt. It contaius a little sulphate of lime. The coarser salt is formed less rapidly, and the very large erystals, which appear ornamental rather than useful, are formed singly in quiet portions of the pan. They are in reality the purest.
l'ure salt should not become sensibly moist on exposure to the air; it deerepitates when suldenly heated. Salt is employed exteosively in tha production of sulphate of soda, to he afterwards converted into carbonato of sola by Le Blanc's process. At the present time ( 1865 ). 350,000 tons of salt are ammally consumed in this country in this one branch of industry. It is also largely used in many other chemical and metallurgical operations, and for the preservation of animal fool. Common salt is an excellent antiseptic.

Sulphate of Sodu or Clauber's Salts,_This is prepared by heating together a mixture of sul, hhuric acil and common salt ; muriatic or hydrochloric acid is evolved and conlensed in Wolfe's bottles on a small scale, or in vessels tilled with coke or bricks on a large scale, while sulphate of soda remains in the retort. Sulphate of soln is atso obtained as a residue in the preparation of nitric acid from nitrate of soda, and is found pretty extensively in various parts of the world, more particularly in Spain and South America, It exists in almost all waters; the mineral springs of Cheltenham and Leamington owe their purLrative properties to its presence. Crystallised sulphate of soda is often foumd as an elltorescence upon plaster and brick-work in damp situations.

Sulphate of sola, when in crystals, is remarizably eflorescent, losing the whole of its water of crystallisation, at ordinary temperatures, on mere exposure to the atmosphere.

A convenieut freezing mixture may be made hy pouring tive parts commercial hydrochloric acid upon eight parts of the crystallised sulphate.

Cerbmate of Sodr.--'linis is fonnd native in several lucalifies; in some places, Bgept, and fer instance IIungary, heing left as an merustation when the so-called 'soda lakes' (try up in the summer; in other places, llungary \&c. it exudes from the ground. A considerable quantity of carbonate of soda was formerly, and indeed still
is, obtained from Barilla, the ashes of plants growing on the seashore; the ashes of the Sulsol: clavifilia yielding about 46 per cent., and the Salsula soida about 41 per cent. of their weight of this salt. Kelp, the ashes of sea-weeds, contains a notable proportion of carhonate of sola, but is valuable only as a source of iodine and potash. However, the quantity ammally derived from these sources is very tritling when compared with the quantity manufactured from common salt.

The process now genemily employed for the manufature of carbonate of sola from common salt is substantially that recommended by Le Blane in 1792, and consists first in the tecomposition of the salt by sulphuric acid, as described above, and afterwards roasting the sulphate of sola so obtained in reverberatory furnaces with a mixture of lime or chalk and small coal, the proportions beingr two parts of sulphate of soda, two parts limestone or chalk, and one part small coal ; the mixture melts into a pasty mass termed 'black ash.' which on being withdrawn from the furnace, cooleol, and lixiviated with cold water, yields a solution containing principally cartonate of soda. The insoluble residuc consists of a sulphate of calcium mixed with carbonate of lime de., and is known as blue waste, vat refinse, or soda waste.

The solution containing carbonate of soda is evaporated to dryness; mixed with a small proportion of sawdust, and calcined at a moderate temperature. The product thus obtained is called sodin ash, and contains from 44 to 50 per cent, of alkali.

Soda Crystals or Washing Sorla.-This is obtained by dissolving the soda ash in water, evaporating, and crystallising in iron puns.

Carbonate of soda is alse manfacturel from Cryolite, a mineral fomd in West Greenlanti and also in the Ural mountains: it is a double fluorite of aluminium and sodium. The mineral is ground to powder, mixed with its own weight of lime, and either calcined, or mixed with as much water as will form a milk, and boiled for some time. Fluoride of calcinm remains insoluble while alumimate of soda is dissolved by the water. On passing earhonie acid gas through the liquid the alumina is precipitated, and carbonate of soda is formed and may be olitained in crystals on evaporation. One ton of cryolite will yich from 1th to 2 tons of soda crystals. The quantity of cryolite annually obtained from tireenlaml is stated to he about 3,000 tons, the greater portion of which is sent to Copenhagen, and the remainder to Buston. U. S.; at. leoth of which places the above processes are carried on.

Carbonate of soda has also been obtained from soda felepar, but not to any considerable extent.

Soda ash turd soda crystals are both very largely. used in many industrial and chemical operations, more particularly in the manutacture of soatip, and in dyeing and scoming.

In this country upwards of 300,000 tons of earbonate of soda are ammally made. It is exported largely.

Bi-carbonate of' Soda.-This is procured ly expesing the crystallised carbonate to an atmospliere of carboinc acid. 'The crystals absorb the carbonie acid, and at the same time lose their water of crystallisation, crumbling down into a white powder. It is used in medicine, in the production of eflervescing drinks, baking powelers \&e. On being :subjected to a red heat it hoses half of its carbonic acid, and is emverted into the anhylrous simple carhonate.

Caustic Soda.-This may be prepared from the zoda ash of commerce by boiling with an excess of ${ }^{\prime}$ fresh slaked lime. Insoluble carbonate of lime is formed, and caustic soda remains in solution; the
clear liquid is decanted, evaporated, fused, and, while still liquid, is run into iron casks, and when cold is ready for market.

The mother liquors from the manufacture of soda crystals are now generally usel for the production of caustic sorla. As they always contain a considerable anount besides carbonate, they are well suited for the purpose.

Canstic sorla is daily becoming of more inportance in the arts; Jarge quantities are used for making soap, and for bleaching, scouring, dyeing. The commereial product generally contains from 60 por cent. to 70 per cent. of alkilli.

Nitrute of Sorh, Cubic Nitre, or Chili Sultpetre -is largely imported into thiscountry, and is used as a somere ot nitrie adel, also in the mannfacture of nitrate of potash by double decomposition with chlorite of potassimm, and in manure. It is somewhat deliquescent. When heated to $591^{\circ}$ Z'ahr. it fuses, and on exposure to a higher temperature suffers decomposition.

The following inturesting account of the production of the nitrate beds in south Ameriea is extracted from the report of Mr. Silidan, late ler Majesty's consul at. lima:-

- Iquigue is the centre of the nitrate of soda trade, and to this article alone it owes its present position. The population of the province is estimated at lis,000, lour-liftlis of whom are more or less interested in it. lampe and apparently inexhanstible beds of this and other salts are found in the pampat or plain of Iamarngal, say between the Valley of Camarones on the north, and the river Lox (the hommlary line of Pern ame Bolivia) on the south, a distance of over 150 miles, lying principally towards the Western side, distant Irom the shipping port from ti to 12 leagues. The beds of nitrate, or calisheras, are msulated deposits, very irrepular, some on the plain, others on the rising grommb, varying much in size and slape, and in lepth, heneoth the surface crust of earth and clay, from 1 inch to many feer, and in thickness from ti inelies to as many feet. Amongst the other salts lound in their vicinity may be emmerated carbonate and sulphate of soda, biborates of lime and soda, magnesinm-alum, chlorate of sodium. Traces of iodine exist in the nitrate, and in most to the waters in the plain have been diseovered traces of boracic acid.
- Its cost at the works varies from $6 \frac{1}{4}$ reales to 84 ruales per quintal, a ceorling to the aptitude of the labourers, and the distance they may have to send for water and fuel. The rate of earrage to the coast also varies from $5 \frac{1}{2}$ to $7 \frac{1}{2}$ reales per quintal.
- The averacre rate now paitl tor nitrate placed on the beach is 14 reales, and this wonld give the makers $\frac{3}{3}$ reale per quintal protit. Nitrate of soda is always sold deliverable alongside the ship's lanuch outside the surf. The merehant has to bag and emhark it, which costs him about $1 \frac{3}{4}$ reale per finintal, therefore selling at 17 reales would yield him it jer quintal prolit.
'The wages now given are, to the harretero (miner) and fomdeador (boiler of the nitrate) 1 real of the quintal produced, each; to the acendrador (who breaks the nitrate and separates the refise) it real per 2 quintals; to other labourers from $i$ follar 1 conts to 2 dollars per day.
'The principal shipping places are Iquique, $\mathbf{I}^{\prime}$ atillos, Mexillones, and l'isagua.
'The total amount exported sinee the year 1830 , when the trade was commenced, is :-

'The amount of exports in British slips, in 186.1, were, 31.098 tons, of the value of 865,465 dollars.'
su/phite of Soda or Antichor. It is prepared by passing sulphorous acid gas, obtained by the conihustion of sulplum in uir, into a solution of earbonate of sodis, and erystallising. This salt was formerly used for removing the last traces of chlorine froin the bleached pulp in the manufacture of paper, but is now to a great extent superseded by hyposulphate of socla.

Hyposalphite of Soda.-This may be readily prepared by digesting the above-mentioned salt with tlowers of sulphur, evaporating, and crystallising. It may also bo prepared from the soda waste prodnced in the manufacture of sodat ash. IIyposulphite of suda is largely used by photogrmpliers for dissolving the nulecomposed salts of silver. It is calculated that the quantity used in Eagland alone for this purpose is not less than 200 toas per anmum, while a far larger quantity is used by the paper mannfuturers.

Phosphate of Sode-Common tribasic phospliate of soda is prepared on a seale of some magnitude by treating powdered bone ash with dilute sulphoric acid, rendering slightly alkaline with carbomate of soda, tiltering from the insoluble carbonate, phosphate and sulplate of lime, and crystallising. This salt is used in medicine. It also enters into the composition of the dumging lignors, used by ealico printers. There are several other phosphates of soda, but they ure of no importance in commerce.

Bi-horate of Soda or Borax (Sohaga, Tincal, Indian names) -obtained in large quantities in the valley of Puga, in Ladalik, and at Thibet, is collected on the borders of the lakes as the water Iries up; it is then smeared with fat to prevent luss hy exportation, and transferred aeross the llimalayas on the backs of sheep and goats. It is retinedat Umritsur and Lahore by washing withlime water. It is employed medicinally by the natives as a tonic, deobstruent, and diuretic. It is alse obtained in California. It is obtained in the crude state by the evaporation of the waters of the lake whence it is derived, and is puritied by dissolving in water, rendering slightly alkaline with carbonate ol soda (to precipitate carthy salts), filtering and erystallising. Artificial borax is prepared largely by dissolving the boracic aeid obtained frem the lagoons of Tuscany in carbonate of soda or caustic soda, filtering, and crystallising slowly. In some works the crude boracic is mixed with sod: potash and calcined at a low heat; the fritted mass is then lixiviated with water, and the clear solution evaporated and crystallised.
A native borate of lime and soda is fouml in large quantities in Peru; it is used for the preparation of boracic acid and borax.

Borax is obtained crystallised in two varieties, octabedral and prismatic, the former containing $30 \cdot 8$ per cent. water, and the latter $47 * 2$ per cent. loth varieties, when exposed to the action of heat, lose the whole of their water, and melt below redness to a transparent colourless grlass, which possesses the property of dissol ving many ol' the metallic oxides, often with characteristic eolours; hence it is much used in the laboratory as a blowpipe reagent. Borax is used in the arts as a flox, and by the refiner in the melting of gold and silver; it is also valnable for facilitating the soldering and welding of metals. In making enamels it is frequently added for the purpose of rendering the compound more fusible, and it is largely emploved in fixing colours on porcelain; borax is aiso used in medieine

Silicate of Soda or Water Glass-is prepared by igniting $4 \tilde{u}$ lbs. powdered quartz with 23 lbs .
anhy or, it prorti sulph After lovile water whole it att lu thi some ${ }^{4}$ syru for hat artifici ef coll calico pharatic $A / H$ fur tixi \&enera solution firmed it. cont It is ol product from er Stan dyeing preat tin-ore Arsen calico $p$ to heat Tings with carl sulda is $u$ manner considera deriug li tur-imlia tion, eith of sucta.
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Chlorid have beel allong wit It is also 'kelp,' th in the mid ration of

Bi-Sul scale as of nitric enisum of water, th jrolonged sulphate.
anhydrous carbonate of soda and 3 los charcoal; or, inccording to lhwher, it may be prepared more cheaply from sulpliate of soda, and in the proprotion of 100 parts quartz, (it) parts anhyilrons sulphate of suda, and 15 to 20 parts eharcoal dust. After cooling, the vitreous mass is broken up and boiled with water for three or four hours, the water being replaced as it evaporates. Whenthe whole is dissolved the solution is concentrated till it attains the specific gravity of from $1: 2 /$ to $1 \% 26$, In this state it is suthiciently liguid to be used for some purposes, for others it may be evaporated to a syrupy eonsistence.

The most important uses of silicate of soda are for hardening and preserving stones, preparing artiticial stones, cement, \&e, mad for the preparation ef colours for moral paintine; it is also used by calico printers and paper makers, and in the preparation of printing ink, dec.

Aluminute of Solu.-'This is nsed as a morlant for tixing madeler colours in calico printing. $1 t$ is fenerally prepared by adding canstic soda to a solution of alum until the precipitate at first formed is re-dissolved; prepared in this manner it contains a large quantity of sulphate of soda. It is obtaited tolerably pure as an intermediate product in the manulicture of carbonate of soda from cryolite.

Stannate of Sodh,-It is extensively used in dreing and calico printing: it is prepared in a grat variety of ways, qenerally by fusing tin or tim-ore with soda or a salt of soda.
Arseniate of Sold.- This is also nsed largely in calico printing ' dunging liguor,' One methed is to heat arsenic with nitrate of soda,

Tungstate of Soda.- D'repared by fusing the ore with carbonate or sulphate of soda. Timgstate of soda is used in dyeing, as a morlant, in the same manner as stamate of soda: it has lately nequired considerable importance as a mediun for rendering linen, cotton mul other tibrons substances non-intammable; for this purpose it ls used in solution, either alone or in conjunction with phosphate of soda.

Fluoride of Sosliun and Aluminium.-'This is found mative as Cryolite in Grecnlant, ant in the Leml mombains; used as a somree of carbomate of soda, also of aluminium.

Acctate of Soda-is prepared in large quantitios during the puritication of acetic acid; the crude acid otatained by the distillation of wood is nentralised by carbonate of soda or soda ash, and the salt thus obtained puritied by crystallisation.

Potash or Veqcitahle Alkuli.-Extensively distributed in the vegetable and mineral kingdoms ; it is alsopresent in animal juices, and in all fertile soils.

Potassimm.-The metal of which potash is an oxide is prepared precisely in the same manmer is solium, substitutiug for the carbonate of soda the corresponding salt of potash. 'This metal is mot nearly of as great importance in commeree as sodium, and is much more expensive. The properties of both are very similar.

Chloride of Potassium.-Large beds of this salt have been lately discovered at Stassfurt in l'russia, aloner with common salt and chloride of magnesinn. It is also extracted in considerable quantity from 'kelp,' the ashes of sea-weeds, and is used largely in the manufneture of potash alums, in the preparation of the other salts of potash, and in manure.

Bi-Sulphate of Potash.-Obtained on a large scale as a residuary product in the manufacture of mitric acid from nitrate of potash; it is th:e sal enisum of the older writers. It is very soluble in water, the crystals fuse below a red heat, and on prolonged ignition are converted into the simple sulphate. The bisulplate is sometimes used as a

Hux in eased where the action of an acid at a hifh temperature is required.
Potash alan-is a domble sulphate of potarh and alumina.

C'arbonate of P'otush, P'otashes, and Pearlashfs.Carbonate of potash is ohtained in large quantitice for commercial purposes ly lixiviating woorl a-hes. evaporating and crystallising; the mother liguor. containing the carbonate of potash, is evaporated to dryness, yielding the potushes of commerce, and these when calcined constitute what is known as pearlesh. Commercial potashies generally contain from 00 to 60 jer eent, of alkali. Carbomate of potash is also obtained by decomposing the chloride and sulphate, as in the greparation of carlonate of soda from coumon salt ; and lrom felspar, by exposin: an intimate mixture of 100 parts, with about 150 parts lime. to a white leat, boiling the mass with watcr, and saturating the solution su obtatined with carbonic acid, to precipitate silica and alumina; the clear liguid contains the mixed carbonates of potaslo and soda; on evaporation the carbonnte of sorla crystallises out, leaving the carbonate of jotash in solution. Mr. F. O. Whrd lecats the felspar with fluorspar and lime. It has been fund remunera tive to extract potish from the grease taken from the wool of sheep; 1000 lbs of wool yicld about 80 lbs carbonate of potash fre liom roda; aiso from the juice of the sugar beet in Franca,

Carbonate of potash is largely used in the arts. particularly in the manufacture of soap and glas*. and for preparing cainstic potash and its salts.
Bi-curbonate of P'otash is prepared ly passing a current of carbonic acid gas throurh a strongs solution of the carbonate of potash; erystals of the licarbonate are deporited. 'This solt' is consumed medieinally in considerable quantities.

Caustic Potash is procured from its carbonate in precisely the same mammer as caustic sola.

Nitrate of Putash, Sultpetre, or Sitre.-The principal supply of this important salt is teaveri from varions rlistricts in the East Indies, where it occurs sometimes as an efllureseence. at oflier times disseminated through the soil itself. For its formation it is necessary that the soil shonld contain felspar or other mineral yielding mach potash. The nitre is extracted from the soil ly lixiviation with water; evaporating the solution so obtained, removing anve common salt which may fall, and erystallising ; the erystals being paritied by repated re-crystallisations.

Nitre may be alst oade artificially in beds of decaying vegretable or imimal substances, mixed with old mortar, or other refuse calcarcons earth ; these are watered occasionally, too much moisture being luart ful; after a.certain period, depending on the rapidity with which the process has gone on, the whole is submitted to lixiviation together with wood-ashes; which contain carbonate of potash, and which decompose any nitrate of lime formed, of whieh there is generally a considerable quantity, After the lixiviation is complete, which takes some time, the solution is sepurated and loiled down; the common salt separates as in the other proeess, and the nitre is then erystallised. It was from this sonrec that the whole of the nitre, nearly, cm ployed by the French during the long protracted war with the continental powers was obtained, as in former times in this country when the obnoxions Ietremen collected it.

Nitre is now manufactured largely from nitrate of soda, by double decomposition with eliloride of potassium; chloride of sodium and nitrate of potash are formed, and are separated by crystallisation. 85 of nitrate of soda are mixed with it of chloride of potassium.

Nitre lias a cold, penctrating, and nanscous taste; conters into ifucous fusion at a gentle heat, and is then monded into romad cakes ealled sal promella. It is cmployed in the manafacture of grupowder, which is composed of 70 parts by weight of nitre, 16 ot charcoal, and 9 of sulphur (the nitre for this purpose should be of great purity); as a flax it is one of the most powerful we possess; it is also used for the preservation of animal hood, and in making frigoritie mixtures ; 1 wz. of nitre dissolved in is oz. of water lowers its temperature 15 degrees of Fuhrenheit's thermometer. It was formerly used for procuring nitric acid and for giving nitrouts fimmes to the vitriol chambers, but the nitrate of soma has now taken its phace in these operations. [Sialtiveram.]

Chlorate of Potush-is generally prepared by passing ellorine gis into a mixture of 300 parts calustic lime, 154 parts chlodide of potassium, and 100 parts water, the operation being conducted in close leaden tanks, heated by steam, and provided with agitators; when the mixture is saturated with chlorine, the liquid is filtered off and evaporated nearly to dryness, and the resulting mass redissolved in hot water, and set aside to erystallise, the crystals being afterwards slightly washed and drained. In this process 154 parts chloride of potassinm yield fully 200 parts chlorate of potash. The chlorete of potash of the best makers is a nearly pure product.

Chlorate of potash is extensively used in the preparation of lucifer matches, and in pyrotechnical mixtures. It enters into the composition used for filling percussion caps, de., and is a convenient source of oxygen gas; 1 oz. of the salt. yielding nearly 2 gallous of oxygren.

As an oxidising agent, chlorate of potash is ased by the ealieo printer fir heightening the intensity of 'steam colours; 'and in the laboratory it is in constant request. Finally, it is of value in plarmaey, being sometimes administered in considerable doses by the physician.

Myposulphite of I'utash, Silicate of Potash, Ahuminate of Potash, Stannate of Potash, Tungstate of Potash.-These salts are prepared exactly in the same manner as the corresponding salts of soda, sulustituting for the salt of soda, used in the preparation, a similar salt of potash, 'their uses are also identical with the corresponding soda salts.

Bichromate of Potash.-A great many processes have been devised for the preparation of this salt. When the native clirome-iron ore is calcined with an alkaline lydrate or earbonate, in presence of an oxidising agent, the oxide of chromium in the ore is comverted into clomic acid and unites with the alkali; thus by fusing the chrome-iron ore with half its weight of nitre for several hours, with frequent stirring, a mass is obtained whieh, on lixiviation with water and evaporation, yields crystals of neutral chromate of potash. By dissolving the chromate of potash so obtained in water, and adding a strong mineral acid, generally nitric acid, it is converted into the bichromate; and by evaporating the solution to the crystallising point, mechanizally separating the crystals of hichromate from those of the nitrate (or other potash salt), formed at same time, and recrystallising several times, the biehromate is oltained pure - large orange-red rectangular tables.

The above process of preparing the chromate may be rendered more economical by substituting carbonate of potash for a portion of nitre, and still more by dispensing with the nitre altogether, and effecting the oxidation by means of air admitted into the furnace. The addition of lime is found to facilitate the oxidation. Some manulac-
turers dispense with potash in the calcination altogether, using only lime, and afterwards decompruing the chromate of lime formed by carbona. of potash.

Bichronsate of petash is extensirely used in dyeing and calico-printing, in preparing pigments, and in bleaching tallow, palm oil, de. It is soluble in ten times its weight of coll water.

Iotiale of Potassium-is obtained by dissolving iorline in caustic potash, evaporatiag to dryness, gently igniting tho mass, to decompose iodate of potash, redissolving in water or alcohol, and crystallising. It may also be obtained by digesting 2 parts iodine anel one part iron filings in a stopperet! vessel with ten parts water; nuder these circumstances iodide of iron is formed by the direct union of the metal wi.h the iodine: the liquid is then boiled, and a sclution of carbonate of potash is added in small quantities so long as a precipitate is formed, the solution is filtered from the insoluble carhonate of iron and set aside to erystallise.

Liebig lus recently propesed the following process for the preparation of iodide of potassium : 1 part of phosphorus is placed in a basin with 40 parts hot water, to which 20 parts iodine are gradually added, with frequent agitation. The resulting colourless liquid, eontaining phesphoric and hydriodic acids, is poured ott, and milk of lime added till the mixture is alkaline; it is then tiltered and boiled down to half its bolk with 12 parts sulphate of potash, and allowed to cool. A small quantity of pure carbonnte of potash is then added to precipitate any lime, and the filtered solution yields on evaporation crystals of pure iodide of potassium.

Some manufacturers employ an excess of caustic alkali in ouler to give the crystals a certain degreo of opacity ; others dip the crystals into a solution of earbonate of soda, and afterwards dry them in a stove.

Bromide of Potassium.-This is prepared in $n$ precisely sinilar manner to iodide of potassitum. Both salts are employed in photography to a considerable extent, and in medicine.

Ferrocyanide of Potassium or Ycllow Prussiate of Potash.-This important salt is formed when azotised matters are heated to redness with curbonate of potash and iron. It is manufactured on a large scale by heating dried blood, horns, parings of hides, and other animal matters containing nitrogen, with an equal wright of carbonate of potash, and about one-third their weight of iron filings stirred in an iron pot. The mass when treated with water yields a solution containing ferrocyanide of potassium. On evaporation the salt is ohtained in large lemon-yellow crystals, which are soluble in about 4 parts of cold water and in 2 parts of boiling water.

Ferrocyanide of petassium is manufactured in large quantities for use in dyeing and calicoprinting. It produces a beantiful bright bluc colour, which, however, will not bcar washing with alkalies or soap. It is also nsed in the preparation of Prussian blue. It is the source froms which prussic acid, and other compounds of eyanogen, are usually ohtained, but is not itself poisonous. It has a saline, bitter taste.

Ferridcyanide of Potassium or Rcd Prussiate of Potash.-Obtained by passing chlorine gas through a solution of the preceding salt, until the liquid ceilses to give a blue precipitate with perchloride of iron. The solution on evaporation yiclds magnificent rubv-red erystals, which are soluble in $2 \frac{1}{2}$ parts cold water, and in $1 \frac{1}{3}$ part of boiling water. Red prussiate may also be ohtained by exposing powdered yellow yrussiate to the netion of a current of chlorine gas. Red prussiate is

## niacal

 with mi or by distillat purified ammoni very sel temperat in freczinsed by dyers nad calico printers for discharging the blite colour of indigo from calieo; naso for dyeing thue colours.

Cyanide of Potassium-may be propared by heating to dill redness, in a covered iron crucible, a mixture of 8 parts dry yollow prussiate with 3 parts dry carbonate of postash, until the fused mass has lost its yetlow colour, and ceases to give off bubbles of gas. After the particles of iron have sulsided to the buttom of the crucible, the fused cyanide is poured on a cold slab, and solidifies on cooling to a milk-white mans. This salt is very deliquescent, has an alknline raction, and when moist emits the odour of hydrocvanie (prussic) ncid. It is very poisonous. Cyanide of potassium is a powerful reducing agent, and as such is coustantly used in the laturatory. Large quantities are used for the purpose of dissolving the salts of gold and silver in the processes of electrotyping ; also in photography.

Tartrate and Bitartrate of Potash.-Bitartrate of potash, or cream of tartar, is, when in its crude and impure state, called argol, and is deposited in the interior of wine casks during fermentation, and from this soarce the whole of the cream of tartar is obtained. It is generally of a very dark brown colour, but may he purified and rentered perfectly white by solution and erystallisation. It is employed very extensively in dyeing, hatmaking, and in the preparation of tartarie ncid, and many of the compomeds of tartaric ncid, as tartar emetic, soluble tartar, boro-tartrate of potash; when heated to redness it is converted into carbonate of potash and charcoal; mixed with half its weight of nitre and thrown into a red hot erucible it forms the black Ilux, and with its own weight of nitre the white flux, both of which are very mach employed in metallurgic operations. 'l'lie tartrate is made by the addition of carbonate of potash to a solntion of the bitartrate until perfectly neutral: it is used in medicine as a mild purgative.

Rochelle Salt.-A double tartrate of potash and soda.

Rinoxalate of Potash or Salt of Sorrel.- $\mathrm{Abun-}$ dant in the juice of the common sorrel (Rumex acctosa), of the wood sorrel (Oruhis acetosella), nud in the leaf stalks of the common rhubarl. It is principally used for removing ink spots and iron stains from cloth.

Ammonia, Spirits of Martshorn, or Tolatile Alkali-in its uncombined form, an clastic gaseons boty, haviag a very pungent and suffocating odour, destroys animat life, converts the yellow of turmeric paper to a brown, which, from the volatility of the alkali, is again restored by $n$ gentle heat to its original colour. This gas is rapidly absorbed by water, which takes into solutian 727 times its volume at $59^{\circ}$ Fahr., and 1050 times its volume at $32^{\circ}$ Fuhr., forming the liquor ammonice of commerce.

Chloride of Ammoninm or Sal Ammoniac.-So called from the circumstance of its first having been procured noar the temple of Jupiter Ammon in Libya, from the soot produced by burning camels' clung (there used as fnel). It is now, however, prepared in this country from the ammoniacal liquor of the gas-works, by saturating it with muriatic acid, evaporating and crystallising ; or by distilling the liquor, and conducting the distillate into muriatic acid. The crystals are purified by sublimation. Sublimed chloride of ammonium forms semi-transparent tibrous masses, very solnhle in water, with great roduction of temperature; hence it is a common ingredient. in freezing mixtures. Used in soldering and galvanisirg iron, with iron filings as cement for iron, \&c.

Sulphate of Ammonia.-It is procured from iras liquor in sume manner as the chilorite, by substituting sulphurie acid for murintic. It cannot be purifed by sublimation, but may be puritied by recrystallisation. It is gohuble in twice its weight of cotd water. Sulphate of ammonia is sometimes applied to muslins and other fitsics for the purnose of preventing them from broniag with thame. should they necidentally take fire. The finished goods are dipped into a solution contrining $10 \mathrm{pe}: 1$ cent. of the crystallised salt, nod dried in a centrifugal machine.

Liquor iremonia.-This is prepared from either of the two preerding salts by mixing them with slakel lime, heating the mass in inon reterts, and condacting the gas evolved into water. The most concentrated solation of ammonia has a specilic gravity of $6.5 \overline{5}$, water being equal to $1 \cdot 000$.

Carbonute of Ammonic.- 'lihis is prepared by mixing the chloride, or sulphate, with twice its weight of chalk, and heating the mass in iron retorts. The vapours of carbonnte of ammonia are conducted into large leaden chann bers, termed baloons, where they are condensell; the salt thus obtained is purified by slow sublimation in iron pots having conicat leaden covers. As met with in commerce carbonate of ammonis is a semi-transparent, fibrous mass, having the pungent odour of ammonia. It is used largely by confectioners in the preparation of light pastry. It is entirely dissipated during the baking, so no itl effect can arise from its use. It is also used for smelling-salts.

Tungstate of Ammonia.-It is used for renderim: linen, cotton, and ather fabrics non-cumbustible.

All the salts of ammonia are characterised by the following properties; viz. they are volntile at most at a low red heat; the fixed alkalics and alkaline eartlis decompose them, uniting with the: aeid and liberating the anmonia, which may be recognised by its odutur and by its alkalite reaction on vegetable colours.

Ammonia is always form ' when organic matters cortaining nitrogen are su nitted to destructive distillation; a considerable quantity is formed during the ctistillation of bones in the preparation of Dippel's oil.

The salts of ammonia are valuable as ingredients in manures, but their chicf use is in the production of ammonia alum, which is a double sulphate of ammonia nad alumina.

Ammonis, being a highly clastic gas, has been used in place of steam or compressed air to give: motion to portable machinery; the compressed gas: not only gives motion to the piston by virtue of its elastic force, but nfter passing the cylinder, nsoy be absorbed by water, thas causing a partial vacuum, and assisting the piston on its return stroke. Owing to these properties it may also be used ns a refrigerator, and water frozen by it. T'o effect this, two strong closed metallic vessels are connected by a pipe. One of these is partly filled with a strong solution of ammonia in water, the other is empty. If now heat le applied to the former, while the latter is kept cool. the ammonia is driven from the water which dissolved it and compressed in the cooler vessel. On the removnl of the heat the ammonin returns, to be with great rapidity dissolved in the water again, and in so doing causes a sudden evnporition in the other vessel, and so great an absorption of heat as to freeze a vessel of water in which it may be immersed.

Lithia.-Until very lately supposed to exist only in four mine:als, but, by the aid of spectrum analysis, it is now proved to be very extensively distributed in nature in small quantities. It is found.
in many minerals, as lepidolite, spodimene, petalite, \&c., lin the askes of phants, purticularly the tohateo plant, and in mineral whters, and in some of the pits of tornwall in considerable quantity.

Carhomate of lithio.- The mulv salt of this nlkali of nuty commercial importanes: it is used in the preparation of artificial mineral waters and in medicine for gont.

Gesia and Rubidia.-Iately liscovered and very mie alkalies; they oceur in minnte gumntities in some mineral waters, and in a ver." few minerals, lepidolite for instance. They are of uo commorcial importasce.

Richardsom and Watts's Clemical Technologythe principal store of intormation on alkalies-las been Ireely used.

Alkaluids or Jegrto-Alkalies_may be divided into two chasses, uatural and artiticiai, the former being found realy formed in plants; the latter known only as the result uf chemical manipulation.

Amongst the natural alkaloids the following are the principal: - aconitine, atropine brucine, rinchonine, cesleine, conine, taturnine, disitaline, hyoseyamine, meconine, morphise, narcotine, nicitine, quinine, strychnine, theine, veratrine, de.

The artiticial alkaloids are too mamerous to mention here; amongst those known tu commerce are aniline, toluitline, najhthylamine, \&e.

We are indeloted to Dr. Aitgus simith. the eminent chemist, and the govermmem inspector of alkali works, for the above article.

ALKINE'T oi ANCIIUSA (Ger. orkanet; Huteh, alkanma; Fr. oreanctte: Ital. uncusu; Span. alcancta). A species of bugloss ( $A$ urfusia tinctoria, linn, ; Lithospermum tinctoriam (ilec.). It has been eultivated in England ; lat is fomm of the finest quality in Niboria, Spain, ame more partionlarly in the South of France, in the vicinity of Montpelier. The roots of the plant are the orly parts that are made use of. Whan in perfection, they are abont the thickness of the tinge:, having a thick bark of a doep purplish red colour. Ihis, when separated firm the whitish wooly pith, imparts n tine deep red to alcolol, oils, was, and all unetuous substances. To water it gives only a chall brownish hese. It is principally cmphoyed to tint wax, pomatum, and unguents, (ills employed in the olressing of mahnginy, rose-wond, \&e. The alkanet brought from tonstantinople yields a more beantiful but less permanent dye than that of France. (lewis's Mat. Med.; Magniem, Jictiontwire des Productions.)

The duty, which wis previously very oppressive. was reduced in 1832 to $2 s$ a cwt.; was reduced (1842) to $1 s$. $n$ cwt. and is now repealed. The imports are inconsiderable. The price varies from 27 s , to 32s. a cwt.

ALLOWANCES, TARES, tc. In selling goods, or in prying duties nuon them, certain deductions are made from their weights, depending on the nature of the packiges in which they are inclosed, and which are regulated in most instances by the custom of merchants, and the rules daid down by publie otlices. 'These allowances, as they are termed. are distinguished by the enithets, Mraft, Tare, Tret, and Cloff.

Draft is a deduction from the original or gross weighit or goods, and is subtracted belore the tare is taken oll.

Tare is an allowance fur the weight of the bag, box, eask, or other package, in which goods are weighed.

Real or open tare is the actual weight of the package.

Customary tare is. as its name implies, an established allowance for the weight of the package.

Computed tare is an estimated allowance agreed upon at the time.

Arerage tare is when a few packages only among several are weighed, thelr mena or average taken, atd the rest tared necordingly.

Super-tare is an adilitional allowance, or tare where the commodity or package excerds a certain weiplt.

Whin tare is allowed, the remainder is called the nett weight: but if tret be allowed, it is callemb the suttle weight.

Tret is a delluction of 4 lla . from every 10 I lhas. of suttle weight.
'I'his allowance, which is said to he for dust or sand, or for the waste or wear of the commonity. was formedy made on most foreign articles solil be the pomid avoirlupois; but it is now nearly discontinue- by merchants, or else allowed in the price, It is wholly abolished at the East India warchouses in Londin; and neither tret nor draft is allowed at the Custom Itouse.

Cloff, or Clomgh. is another allowance that is nearly ohsoletc. It is shated in arithmetical hooks to be a deduction of $\because$ lbs. from crery 3 cwt. ot' the second suttle; that is, the remainder after tret is suberactel; but merchants, at present, know cloff oply as a small deduction, like drat, from the original weight, and this only from two or three articles. (Fielly's Cambist, "urt. 'Loudon.')

For an account of the tares and allowances at London, see Tane; for the tares and allowances at the great foreign trading towns, see their names.

AlalONI)S (tier. mandeln; Ditel, amandelen: Fr. amandes; Ital. mandorli: Span. almendras: l'ort. nmendons; línss. minelal: Iat. amygulalen amare. dulces). A kind of meticinal frut, contained in a hard shell, that is eliclosed in a tongh sort of cotton skin. The tree (Amygrlalus communis) which proluces this fruit nearly resembles the peach botli in leaves and blossoms; it grows spontanconsly only in warm countries, as Spain, and particularly liarbary. It flowess early in the spring, and prolnces fruit in August. Almonels are of $t w o$ sorts, sweet and bitter. 'Ihey are not Ilistinguishuble from each other but by the taste of the kernel or fruit, 'The Valentia almond is sweet, large, and flat-pointed at one extremity: and compressed in the middle. 'lhe ltalian atmomes are not so sweet, smalle; and less depressed in the middle. The Jordan almonds come from Malaga, and are the best sweet almonds brought to Eingland. 'iluey are lomger, thater, less pointed at one end and less romel at the other, and have a paler cuticle than those we have de cribed. The: sweet almonds are imported in mats, casks, and boxes; the bitter arrive in boxes.' ('Thomson's Dispensatory.)

Previously to 1832 almonds were grossly overtaxed; but the duties were then considerably reduced, and they were also still further rediced in 1842 and 1853 . The duty on all varieties (inc. Jordan) of sweet ahnonds was tixed in the last mentioned year at los. a cwt., that on bitter almonds having been previously repealed. That on sweet almonds was repealed in 1860 . In $186{ }^{5}$, $32,037 \mathrm{cwts}$. were imported chielly from Spain and Morocco, valued at $103,909 /$. The Moroceo almonds are mostly shipped at Mogavors.

ALMONDS, IHTTEER OHL OF. [OLs.]
ALMONDS, DIKA. 'The fruits of the Mangifera gabonensis, which grows on the west coast of Africa. They yield on pressure from 65 to 70 per cent. of a grease resembling the butter of cocoa, which is stated to be titted for the mamifacture of soap.

ALMONDS, SWEET OIL OF. [Oil.s.]
ALOES (Dutch aloe; Fr. aloés; Ger. and Lat. aloe; Kuss. sabir; Sp. aloè ; Arab. mucibar). A bitter, gummy, resinous, inspissated juice, obtained
from the leaves of the plant of the same name， There are four sorts of nloes mot with in commerce ： viz．Socotrine，Ilrputic，Culmline，and Citre．

I．Socotrine．－Sis callod from the island of Socotra，in the Indian fecan，not vary alistant from（ape Ghardafui，where the plant（aloe spicata）， of which this suceces is the problace，grows abun－ rantly．It is in pieces of a raddivli limwor edour， flossy as it varnished，and in some depree pellacid． When reduced to powder it is of a brught goldan colour．Its taste is estremely bitter ；mind it has an peculiar aronatic abour，not unlike that of the russet apple deeaying．It suftems in the hamd， and is adhesive，aridyct is sutioidonly pulvernlent． It is imported by way of Smyrua and Mexamdria， in chests and cashs，but is very searee in bingland．

2．Hepatic．－The real lepatic aler，so called from its liver colour，is believed to be the produce of the Alue perfoliate，which grows in Yemen in Arabia，from which it is exported to limolory， whence it limpls iss way to liurope，It is alufler in the colour，hitterer，ainl has a less ploasant aroma than the socotrine aloes，for which，however，it is sometimes sulsitituted．Darbatoes ahoes，which is often passed off for the Dhepatic，is the prombe of the Aloc enlyaris．It is brought home in calabishos， or l－ere gouril sliells，contaning from to to 7 th lbs． It is cosisier in its line than the lhombsy，or real hepatie aloes，and the taste is more mancous，and intensely bitter．Tho colour of the pow．ter is a alull olive yellow．

3．Caballine or IVorse Alues．－This seems to be merely the coarsest species or relinse of the liarba－ does aloes．It is used only in veterinary moblocine， and is easily distimguished by its rank latid smell．

Cupe Aloes．－I＇he produce of the Alow spicata， which is fomm ingreat abmulance in the interior of the Cape Colony，and in Molimia．＇The latter furuishes the preater part of the extract sold in Europe under the mame of Socotrine aloes．The ollour of the Cape aloes is stromper and more disagrecable than that of the Soomerine：they lave， also，a yellower hue on the outside；are less gl wsy， softer，and more pliable；the colour of the powder is more like that of crmbore than that of the true Socotrine aloes．（Ainslic＇s Mut．Indicu；＇Jhomn－ son＇s Dispensatory und Mrnt．Metlica．）
$97 \pi, 4 \dot{6} 6$ lbs．of aloes，chiclly from the（ Cape and Bombay，were imported in 1805 ．Juties repealed in 1845．

ALOF＇VOOD（Ger．alocholz；1）utch，nlue：－ hout，paralyshout；lir．bois d＇aloe＇s；labl．lecno di alor；Span．aloe chino；Sans．Hyuru；Malay， agila ；Sian，kisna）．The produce of a large forest－ tree，to be found in most of the countries between China and India，from the efth degree of no．th latitude to the equator．

Dr．Mason siys with relation to this sulject（see Mason＇s Burmalh．London，Tribbner 1860）：＇It is imported into Mergni by the Selungs，who，as they prolit from the trade，endeavour to keep all in ignorance of the tree from which they obtain it．＇

Sir J．Bowritig states that only one species of the trce possesses the odorons eloment，and that the dark wood，which alone is valuable，is sold at about 10s．per lb．Every Christian fimily in the district where it grows is bound to pay to the Fing of Siam a tribute of 2 los．of eugile wool． It is principally tound in the islands situated in the Gulf of Cambodia．（IBowring＇s Siam，p．201．）

It seems to br the result of a diseased action conlined to a small part of a few trees，of which the rest of the wood is wholly valueles：．It． appears to be more or less fregnent according to soil and elimate，and from the same causes to differ materially in quality．It is produced both in the greatest quantity and perfection in the

Saltaire, near Bralfori, is about 3,000, and of these about two-thirds are engraged in the varions prucceses 1 . which alpara and mohair are made into cloth.

Some of the goots supplied by this great mannfactory are woven from pure alpaca and mohair varns; some have mised alpaen, mohair, and wool. Mohair tud alpaca cloths liavo always a warp of either cotton or silk, never of woul. In some instances mohair yarns are mixed with silk, in others with a regetable substance called Rhe.t filire. The yarn made for the Velours und Utrecht trade is mostly pure mohair.

Alpaca Imports.


Price 10 c. per lh. in $1836-3 s .1 \mathrm{l}$. per lb. in 1862.
Mohair Imports.


Price 1s. $10 d$, per lb, in $185^{\prime}-3 s$, Gd, per lb. in 186.).

Weight.-In many districts !` n packages have to be carried by mules, in w. . case they are senerally from 60 to 80 lbs ach. In other districts, where better roads or raiiways are available, the packages vary from 125 to 200 lbs ., but few are so hesvy as the greacer weight.

Quality.-The indications of the be st qualities are, length of staple, tineness and aveuness of quality, softness and brilliancy of colour. 'The colonrs are black, white, browis grey, and particolours. 'These colours are packed separately, each shipment containing a proportion of all; but no ditference is made in the price of the respective colours. The average weight of a tlece of alpaca is froms 3 lbs , to 4 lbs , that ef a llama from 5 lbs , to 6 ll s.
Length.-The ordinary length of a staple of grod alpaca is about 6 inches. The average length of a staple of llama is about 7 to 8 inches, and the tibres of the wool are not so recular, and are mixed with a coarse hair which remders it much less valuable than the true alpaca.
Price-The average value of alpaca may he quoted about 2 s , 6 d . pier lb ., and of llama 1 s . per lb .

ALUN (Ger. alaun; Dutch, aluin; Fr. alun; Ital. allume; Span. allumbre; liss. kwassze; Lat. alumen; Arab. sheb). $\Lambda$ salt of great importunce in the arts, consisting of a ternary compound of alamina, or pure argilaccous earth, potass, and sulphuric acil. Alum is sometimes found native; but by far the greater part of that which is met with in commeree is artiticially prepared. The best alum is the Roman, or that which is manulactured near Civita Vecchia, in the Papal territory. It is in irregular, octahedral, crystalline masses, about the size of a walnut, and is opaque, being covered on the surface with a farinaccous eflorescence. The Levant, or Roch alum, is in fragments, about the size of the former, but in which the crystalline form is more obscure; it is externally of a dirty rose-colour, and internally exhibits ite same tinge, but clearer. It is usually shipped for Europe from Smyrna; but it was anriently made at Roccha, cr Ldessa, in Syria; and hence its name Roch alum. English alum is in large, irregular, ;emi-transpurent, colourless masses, having a glassy fracture; not efflorescent, and considerably harder than the others. It is very inferior to either the Roman or Roch alum. The principal use of alum is in the art of dyeing, as a mordant for tixing ad giving permanency to colours which otherwise would not adhere at all, or but for a very short time; but it is also used for a great variety of other purposes.

Beckmann has shown (Mistory of Inrentions, vol, i, art. 'Alum') that the ancients were unacquainted with alum, and that the substance which they designated as such was merely vitriolic earth. It was tirst discovered by the Orientals, who established alum works in Syria in the thirteenth or fourcenth century. The oldest ahom works in Eurose were ereted about the middl: of the tifteenth century. Towards the conclusion of the reign of (Gueen Eilizubeth, Sir 'Thumas Chaloner established the first alum work in Englaul, in the vicinity of Whitby, in Yorkshire, whero the principal works of the sort in this country are stitl carried on; the shipments of alum from Whithy in 1811 amounted to 3,237 tous. There is, also, a sarire alum work at Hurlett, near Paisley, the prolice of which may be estimated at about 1,200 tons a-year. Alum is largely manufacturcd in China, and is thenee exported to all the western Asiatic countries.

Of alum and vitriolic schist the produce ith Austria is about 40,000 cwts. ; it is chictly procured from Bohemia, Styria, and Moravia. In Spain about 80,000 kilogrammes are obtained from the province of Murcia. In Prussia about 425,000 cwts, of alum ore were produced in 1861.

Alum is both largely produced in, and exported from, China to India, and other Eastern conntries. As an inclication of the extent of this braneh of Chinese industry and commerce, we extract the following from the sixth elition of Dr. Williams's valuable Chinese Commercial Guide: 'Alum $1:$ exported to Indita and the Archipelago, where it is regarded as superior to the native product. About 75,000 pienls have been annually exported. It is found in argillaceous schist, or, ulum shate, in the provinces of Ngánhwi, Húnán, and Chekiati.g, and tinds its way chiefly to Ningpo and Shanghai; the markets of Swatow and Arnoy also furnish large quantities drawn from neighbouring districts.

The mineral is extensively worked in the Sungyang hills in the district of Pingyantr in Wanchau fá, near the borders of Fuhkien, and not far from Pihkwan harbour. The supply seems to be inexhaustible, and the daily prodnct was estimated by a visitor, in 1853, nt 18 tons of alum, which would amount to not less than 6,000 tons per annum. This alum is equal to the best Roman. It is chiefly employed by the Chinese for bleaching purposes.

In 1862 there were exported from the port of Tien-tsin 951 piculs ( 1 pic $=133 \frac{1}{3}$ lbs. avoir.), valued at 1,902 taels ( 1 tael $=6 s$. $2 d$. sterling). From the port of Tansuy the exports in the same year were 1000 piculs, and frem the port of Amoy $186,666 \mathrm{lbs}$., and 891 piculs from the port of IlanKow. The Chinese market price in the same year was from $9 s, 10 d$, to 10 s , per picul.
The imports of alum into Great Britaiu are not large; they amounted in 1863 to 10,335 cwts., value $3,007 \%$.
AMBLK (Ger. bernstein ; Dutel, barnsteen: Dan. bernsteen, Liav.; Fr. ambre jume; Ital, ambra gialla; Span. ambar; Russ. jautar; I'ol. bursztyn; Lat. succinum, electrum). A brittle, light, liari substance usually nearly transparent, sometimes nearly colourless, but commonly vellow, or even deep brown. It has considerable linstre. Specific gravity, $1 \cdot 0630$. It is found in nodules or rounded masses, varying from the size of coarso sand to that of a man's hand. It is tasteless, without smell, except whin pounded or heateit, when it emits a fragrant odour. It is lighly electric. Amber is undoubtedly of vegetable origin, aud, as is clear from the insects, \&c. often preserved in it, was originally exuded in a fluid state from some extiact species of pine.

On the Prussian coast of the Baltic, betseen Konigsberg and Memel, amber is more abundant than in any other known locality, and the Prussian government ire stated to derive a revenue of about 3,500\%. per s.mnum from its collection. The chief amber beds in the north of Prussia are near New Kechren, Brusterort and Lapönnen. In the United States it is found principally at Amboy, New Jersey; at Gayhead and at Cape Sable in Maryland.

Amber is used in the manufacture of various kinds of varnish, dissolved with drying linsced oil, asphaltum, and resin; it is used as a corch-maker's varnish, and the spirit varnishes, which are prepared from the sulution of amber in alcohol or ether, are used for photograplic purpo ets. (Ure's Dict. of Arts \&ec by Ilunt.)

The quantities of ar ser imported into the United Kingdom in 1863 were:


Amber has been recently iliseovered in the Lake of Auserche, in the duchy of Couriand, and in other parts of the astrict. It is mostly transparent, and some picees have been discovered of considerable sizc.

Amber is also found in cossiderable quanities on the shoies of several islands of the Indian Archipelago and on the eastern shores of Afreca, and at one period constituted a considerable article of export from Alen. It is largely un lemand for eourt beads in China, where the transparent lively yellowish brown variety is most. prized, foul and opaque pieces being almost. valueless. The price in Ghina raries from 8 dollars to 14 dollars per catty. False amber, brought from India, is also largely used, and is sold at Canton for prices nearly equal to those of the genuine article. (Dr. Williams's Chinese Guide.) See an interesting account of tbe ideas entertained by ancient Eistern nations, in Asiatic Researches.

AMBER GAIS or AMBER GREASE (Ger. amber; Dutel, amber; F.. ambergris; Ital. ambragrigia; Span, anbar gris; Lat. ambra, ambra grisea). A solid opaque, generally ash-coloured fatty, inflammable substance, variegated like marble, remarkably light, rugged, and uneven in. its surface, and has a fragrant odour when heated; it does not effervesee with acids, melts frecly over the fire into a kind of yellow resin, and is hardly soluble in spirits of wine. It is found on the sea-coast, or floating on the sea near the coasts of India, Africa and Brazil, usually in small pieces, but sometimes in masses of 50 or 100 los . weight. 'Various epinions have been entertained respecting its origin ; but it is now well established that it is a concretion formed in the stomach or intestines of the Physeter macrocephalus, or spermaceti whale.' (Thomson's Chemistry.) Ambergris ought to be chosen in large pieces, of an agreeabie odour, entirely grey on the outside, and grey with little black spots within. The purchaser should be very cantious, as this article is easily counterfeited with gums and other drugs.
${ }^{6}$ Persons engaged in the whale tishery look for Ambergris in the intestines of the spermaceti whale, and are most successful in finding it in those thai appear torpid, sack, and lean; frum whence it would appear that it is the product of disease. The lumps of it are from 3 inches to a foot in diameter, and from 1 lb . to 30 lbs in weight; its value in this country is about I6s. per oz.

AML'THYS'I' (Ger. eisenkeisel ; Fr. amethyste; Ital. amatista; Span. ametisto; Lat. amethystus). A presious stene, of which there are two species differing widely in quality and value.

According to Mr. Emanuel (Diamonds and Precious Stones), 'the Oriental amethyst is a ruby or sapphire possessing an amethyst colour, which may be distinguished from the ordinary amethyst by its superior brilliancy and play, as well as by its hardness,' 'ive. It is a gem of rare oceurrence, anit even jeweliers frequently confound it with the ordinary amethyst. There are some tine specimens in the Grime Gewölhe at Dresiden, ant there are also in the Vatican one or two engraved intaglios $0^{c}$ this stone of very early date.

The common or Occidental amethyst is a violet coloured quartz. It is, according to the same authority, found in India, Ceylon, the Brazils, Iersia, Silesia, Ilungary, Saxony, Spain, and also at Reboy in Ireland. 'Ma:y years ago,' sars Mr. Emanuel,' such amethysts were of considerable value, ranking next to the sapphire, and worth as much as $30 s$. the carat when very tinc. Large quantitics, however, were sent from Brazil, and the stone declined in public estimation. The taste, however, is still reviving. A tine deep-coloured amethyst of the size of a two-shilling piece is worth from 10l. to 157. ; smaller pieces and in poorer qualities are solll from $2 s$, to $5 l$. The best cutting of amethyst is in a brilliant form, with the table slightly domed. Most ametliysts are cut in Germany; owing to the price of labour being cheaperin that country than in England.' (Emanuel On Diamonds \&'c. 114, 156, sqq.)
AMIANTIIUS, ASBESTOS or MOUNTAIN FLAX (Lat. amianthus-abestinum ; Ger. asbert; Fr. amiante; Span. asbesto, alumbre de pluma; Port. asbestos; 1tal. asbesto). A mineral of which thern are several varieties, all more or less fibrous, flexile, and clastic. It is inconsumable by a high degree of heat; and in antiquity the art was discovered of drawing the fibres into threads, and then weaving ibem into eloth. Pliny says that he had scen napkins made of this substance, which, when soiled, were thrown into the fire, and that they were better elcaned by this means than they could have been by washing! Hence it obtained from the Greeks the name of 'ipiavros (undefiled). Its principal use, as stated by Pliny, was to wrap round the bodies of the dead previously to their being exposed on the funeral pile, that the ashes of the corpse might not be mixed with those of the wool. And in corroboration of this statement we may mention, that in 1702 a skull, some calcined bones, and a quantity of ashes were found at Rome, in a cloch of amianthus nine Roman palms in length by seven in width. Its employment in this way was, however, confined to a few of the very richest families, incombustible cloth being very searce, and bringing an enormously high price. Karum inventu, difficile textu propter brevitatem. Cum inventum est, equat pretia excelientium margaritarum. (l’liny, Hist. Nat. lib. xix. ch. 1.) The disuse of the practice of cremation, or of burning the dead, caused the manufacture of amianthine cloth to be neglected.

In the 'Tarentaise of Savoy a variety of amianthus exists, of which the threads are entirely separated and of a brilliant whiteness, and capable of being elongated to upwards of ten times their orisinal length. Cloths and even lace have been prepared from the amianthus derived from this locality, and there exists in the Institute of France a work printed entirely on paper made from this material.

There are severat varieties of amiantlins: the twisted asbestos, which is of a dirty grey or whitish yellow colour, sometimes exists in thick spongy pieces, and is then rulgarly called fossit flesh; sometime it resembles and is called fossil cork; occasionally, when of $n$ hard mem-
branous character, it is calied fossil leather, and the thinner and more Hexible kinds of lue same character are termed fossil paper. 'lhe woody asbestos is ol' a reddish brown colour, and resembles splinters of wood.

Asbestos is now employed to a considernble extent for burning in gas stoves. (Bulletin du Musee rle C Inclustrie.)

According to M. Bezon (Dictionnuire giniral des Tissus), the art of making cloth from amianthus was, in modern times, revived by Malame Candida Lena Perponti (Jourual de le Societé d'Eneourufement des Arts et des Sciences, Milan, No. 30). She attempted to render the fibre flexible by treating it with oil and water, but finding the former means not so cilicacious as the latter, she made her future expetiments with water, and succeeded in getting filaments of such length and tenacity as were available for spinning and weaving. Her tirst successful attempt was the manufacture of a pair of gloves. The aminnthus was supplied from the Vulteline. She also mude paper of excelient quality, and, in order to supply an ink which should be equally indestructible, used a tluid containiug $\frac{1}{3}$ sulphate of iron to $\frac{3}{3}$ black oxide of manganese.
Latterly, however, the manufacture of this article into a fubric has been revived a M. Aldini laving succeeded in manufacturing it without the aid of any foreign substance: the cloth is made loose in its fabric, and the threats are abott the filteenth part of an inch in cliameter. Asbestos is found in Piedmont, Savoy, Saltzburg, the Tyrol, Dauphiné, IIungary, Silesia, Corsicn, at Staaten Island in New York Harbour, St. Kevern in Cornwall, and in various parts of the north of Scotland, the Cape of Good Hope, aud at Metchursk in siberia.

AMMONIAC, SAL. [Alkilies (Muriate of Ammonia).
AMMONIACUM (Fr. gomme ammoniaque; Ital. gomma ammoniaco; Span. goma nmmoniaco; Lat. ammoniacum; Aral. feshook). A concrete resinous juice obtained from the Dorema ammoniacum, a plant resembling fennel, found in the north of Africa, Arabia, Persia, the East Indies, \&e. The nanie is supposed to be corrupted from Armeniacum, and to indicate the routc. by which the drug was origirally imported into Europe. Pliny says that it derived its name from its being produced in the vicinity of the temple of Jupiter Ammon in Africa. (Hist. Nat. lib. xii. c. xxiii.) It has a faint but not ungrateful smell, and a bitter, nauscous, sweet taste. The fragments are yellow on the outside and white within, brittle, and break with a vitreous fracture; their specitic gravity is $1 \cdot 207$. The hest ammoniacum is brought from I'ersia by Ilombay and Calcutta, packel in cases and chests. It is in large masses, composed of small round fragments or tears; or in separate dry tears, which is generally considered a sign of its goodness. The tears should be white internally and externally, and free from seeds or otlier loreign substances. Reject that which is soft, dark-coloured, nad foul. It is used principally in the materia nedica, and the quantity imported is but small. (United States Dispensatory.)

AMMUNITION. A term expressive of the various implements used in war.

Sec. 45 of the Customs Consolitation Act of 1854 (I6 \& 17 Vict. c. 107) provides that the importation of arms, ammudition, gunpowter or any other groods, may be prolibited by proclamation or order in council, and by see. 150, that by the same nicans such articles, and all military and naval stores may be prolibited to be exjorted or carried consiwise under penalty of forfoiture; and
sec. 159 deelares that 'gunpowder, ammunition, arms, or utensils of war, except from tre United Kinglom or any llitish possession, are herely absolutely prohibited to be importei or brougtit either by sea or inland carriage, or navigation, into the British possessions in America and the Mnuritius.'
The exportntion of ammunition and arms has largely increased since the American Civil war.

Since the year 1859 the number of small tire arms exported from Great Britain has been-

[Gunpowdenl.]
AMOY. A Chinese port open to commerce with the United Kinglom, situated in the Fulskien province, lat. $2.1^{\circ} 40^{\prime} \mathrm{N}$., long. $118^{\circ} \mathrm{E}$. The town, which contains about 300,000 inhabitants, is on an island called llia Mun.

The town of Amoy was visited soon after the Europeans became acquainted with Clina. In 1544, the Portugucse resorted thither, but were forcibly expelled by the authorities, in consequence, it is said, of their misconduct towurds the native traders. The Dutch traded at the port in 1624. Lip to 1730 it appears that the linglisli visited Ainoy; but at this time the Spaniards were alone permitted to make use of anis port, nll other foreign trade having been centred at Canton. Amoy was captured in 18.11 by Gough and Parker, and was thrown open to foreign trade by the treaty of Nanking.

According to Dr. Williams, Amoy is tho most accessible of all the consular ports in China, 111 pilcts being required on entering or departing, though boatmen often boarl the ship to offer assistance. Some regulations were once issued requiring British merchmemen to engage pilot. to and from the Chan Chat rocks, but their use is now optional. The water communication with the interior is not, however, equal to that enjoyed by the other ports.
The barbour is a bny, and an inner harbour. The inuer harbour is one of the best on the coast. There is good holding ground in the outer harbour, nutl vessels can anchor in the inner, within is short distance of the beach, and be perfectly securc. The tide rises and falls from 14 to 16 feet. The western side of the harbe irs, from 375 to 840 ynrils wide, is formed by the island of Kulangsu.

The chansel round the island of Amoy is so narrow and winding thant directions would be useless, the chart being the best guide. Besides the excellent shelter that this harbour affords, the Chinese lave docks for repairing and building their largest junks.

Native emigration from Amoy is considerable. The arrangements are under the management of the Iritish West Indian Emigration Agency, aud the official supervision of the British consul.

The doclss of Amoy are worthy of notice. Vessels of almos* any size can obtain anything necessary for repairs. The company's large granite dock is 286 feet long on the blocks, and at average springs can take vessels drawing from 16 to 17 fect. The dock is fitted with a caisson gate, and with a centrifugal steam pump of great power, ensuring despatch at al! states of the tide.

Customs Regulations.-The limits of the port are defined within lines drawn from the southernmost point of Amoy island, south-eustward to the nearest island, and thence, in the direction of the high pagoda, to the point of Lam-tai-hoo hill, and from the northernmost point of Amoy island to the opposite point on the mainland.

The shipment and discharge of cargo can be

only earried on in the inner harbour between Kulang-sin and Amoy, northern and southem limits. The authorised customs' jetties for the examination, landing, and shipment of goods, are thaso known as the Taou-mei-mn-tan, Kang-ahkow, Sin-lo-tow, and Sai-hong wharves.
Masters of merchant vessels must deposit their ships' papers and import manifest with their consul (if they have no consul, with the customs) within 48 hours after entering the port.

The import mauifest must contain a true account of the cargo on honrd, and must be handed t" the custons before any application to brenk bulk can be atteaded to.

The landing and discharging of eargo must be carried on within the limits of the inner-anchorage, and can only take place between suarise and sumset, and cannot go on, without special provision, on Sundays and holidays. Cargo beats employed for the shipment and landing of merehandise cannot make use of other jetties than those apecitied above.

When ready to discharge eargo, the consignce must send to the customs an application in Chinese and English, giving full particulars of the eargo to he discha:ged, when he will be furnished with a permit to insure his consignmeni from the ship hy which imported, and to place the same in a cargo loat. The eargo hoat must then repair to one of the authorised jetties, in order that the goods inay be examined and assessed for duty. A customs 'memo.' will therenpon be issued, to be taken to the bank by the consighee, who, upon payment of the daty therein noted, will be supplied with a 'duty receipt:' upon the presentation at the office of customs of the duty receipt, a duty-paid order will be issued. The goods imported may be removed from the enstoms jetty, and placed in the merchants' godown.

In the case of goods to be shipped, the shipper must \&end to one of the authorised jetties for examinntion, with an application in Chinese and English for a permit to ship, containing all necessary particulars. The goods will then be examined, and a customs memo. issued, and on the production at the otlice of the 'duty receipt,' a 'duty-paid order' will be issued anthorising the shipment.

Cargo for which a shipment permit has been issued, but which eannot be received on beard, must be brought to one of the antherised jetties for examination before being relanded.

No transhipment can take place without special written permission.

Drawback exemption, or coast-trade duty certificates will be issued simultanconsly with the permit for the shipment of goods covered by them; exemption or coast-trade duty certiticates for goods imported must be presented simultaneonsly with the consignee's application for the permit to land.

Before application is made for the 'eustoms clearance,' the export manifest must be handed iil. All dues and duties having been paid, the clearance will be issued.
Cargo boats must be registerel at the customs, and must have their respective numhers conspicuously painted on them in English and Chinese characters. No cargo can be tramshipped, shipped, or landed, without special permission, except in duly registered eargo boats.
For further particulars on the trade, dc. of Amoy, see Dr. Williams's Chinese Commercial Guide (1863) and Messis. Mayers, Dennys, and Kings' Treaty Ports of China and Japan (1867). Both these works are puiblished at shanghac.
AMSTERDAM. The principal city of Holland,
situated on the Y, an arm of the Zuyder Zee, in lat. $52^{\circ} 22^{\prime} 17^{\prime \prime}$ N., long. $4^{\circ}\left[53^{\prime} 15^{\prime \prime}\right.$ E. From 1580 to 1750, Amsterdnm was, perhaps, the tirst commercial eity of Eurape; and though her trade has experiencel a great talling off since the lastmentioned epoch, it is still very considerable. In 1785, the population is said to have amounted to 235,000 ; in 1815 it had declined to 180,179 ; but in December 1863 it had risen, according to the Almanach de Gotha, to 266,679. The harhour is spacious and the water deep; and it has recently been much improved by the construction of doeks, two of which are already completed, and a third in a very advnnced state. Owing, however, to a bank (the lampus) where the $\mathbf{Y}$ joins the Zuyder Zee, large vessels going or coming by that sea aro obliged to load and monloal a part of their eargoes in the roads. The navigation of the \%uyder Zee is also, by reason of its numerous shnllows, very intricate and difficult; and as there vere no hopes of remedying this defect, it became necessary to resort to other means for improving the access to the port. Of the various plans suggested for this purpose, the preference was given to the scheme for eutting a canal enpable of almitting the largest class of merchantmen, from the north side of the port of $A$ msteriam to Newdiep, opposite to the 'Texel, and a little to the east of the IIelter. This canal has fully answered the views of the projectors, and has proved of signal service to Amsterdam, by enabling large ships to avoid the Pampus, as well as the difficult navigation of the Zuyder Zee, where they were frequently detained for three weeks, and to get to and from Newdiep without any sort of risk in less than 24 hours. The canal was begun in 1819, and completed in 1825. It has 5 sluices large enough to admit ships of the line; the dues and charges on account of towing, \&c. heing at the same time very moderate. At Newdiep the water is deeper than in any other port on the coast of 1Iolland, and ships are there in the most favourable position for getting expeditionsly to sea. This canal having been found insufficient in depth of water for large steamers, it was resolved to make a more direct commmication between Amsterdam and the North Sea at Wky aan Zee, by draining a portion of the river Y, and entting a cunal through the sandhills. This was begun hy the Amsterdam Canal Company in 1865, and its completion is expected in about seven years. [Canals.] The imports principally consist of sugar, enffee, spices, tobaceo, cotton, tea, indiga, cochineal, wine and brandy, wool, grain of all sorts, timber, pitch and tar. hemp and flax, iron, hides, linen, cotton and woollen stuffs, hardwure, roek salt, tin plates, coal, dried tish, \&c. The exports consist partly of the produce of Holland, partly and prineipally of the produce of her pessessions in the East and West Indies, and other tropical countries, and partly of commodities brought to Amsterdam, as to a convenient entrepôt from different parts of Europe. Of the first class are cheese and butter (very important articles), madler, clover, rape, hemp, and linseeds, rape and linseed oils, Dutch linen, \&c. Geneva is principally exported from Sehicdam and Rotterdam; oak bark and eattle principally from the latter. Of the second class aro spices, coffee, and sugar, principally from Java, but partly also from Surinam, Brazil, and Cuba; indigo, coehineal, cotton, tea, tobacco, and all sorts of Eastern and colonial products. And of the third class, all kinds of grain, linens from Germany, timber and all sorts of Baltic produce; Spanish, German, and English wools; French, Rhenish, and llungarian wines, brandy, \&c. The trado of Amsterdam may, indeed, be said to comprise
every article that enters into the commerce of Europ. Her merchants were formerly the most extensive dealers in bills of exchange, and though london be now, in this resfect, far superior io Imsterdam, the latter still enjoys a respectable share of this business.

The lank of the Netherlands was establishel at Ansterilam in 1814. It is not, like the old bank of Amsterdam, which ceased in 1796, mercly a bank of deposit, but a bank of deposit and circulation formed on the model of the lank of Euglamed. Its capital, which originally nmounted to $5.110(1,000 \mathrm{fl}$., was dounted in 1819. It has the exclusive privilege of issuing notes. Its original charter, which was limited to 25 years, was prolomget in 1838 for 25 years more, and again in 1863 for an additional period of 25 ycars.

Prablie Works.-Many steps have been taken for the important project of cutting a canal through the narrowest part of North 1lolland for the purpose of having a shorter and more direct communication between Amsterdam and the North Sea. The great diffieulty from first to last has been to convince capitalists of the feasibility of the undertaking.

II appily in the latter end of November 1864, after much exertion, the required sum was subseribed.
On August 16, 1857, a permanent exhibition building (Palace of Industry) was opened in the city with great ceremony:

It is contemplated to enlarge Amsterdam, as the population has been of late on the increase. Vulike most Liuropean towns, it has no suburbs, and is girded around by a canal, the overstepping of which has heen dreaded on account of polder malaria. As honse-rent is exorbitant, the proposed enlargement would be a great boon. New hotels have been designed on the principle now adopted in other parts of the continent, and one has been commenced. The present establishments are anything but rood. As Ilolland is about the most heavily taxed country in Europe, the cost of living is hish, and to the inhabitants of a city like Imsterdam it is more so through the local or town dues. The duty on coal and turf was excessive, and, though recently reduced, calls still for reluction. The duties on other articles of consumption are proportionately high, excepting colonial produce, such as tea, coffec, sagar $\mathbb{d c}$. coming from the Netherlands East Indian possessions, and Dutch tobacco, the only really cheap article in IIolland.
The average rate of wages for carpenters. masons, painters, plumbers \&c. is about 2s. fier day of nine hours ins summer, and 1s. ©id. per day of seven hours in winter.

The rate of exchange on London during 186.1 has variced from 11 florins 68 cents to 11 florins 95 cents, and for bills at two months from 11 florius 33 cents to 11 florins 77 cents per 11 . sterling.
The Almanach de Gotha gives the population, on the 31st of December 1863, r, 266,679.
For an account of the Dutch fisheries, sec the arts. IIemping Fisieny and Wirile Fisiemy.

About 311 ships with a tomage of 115,410 helong to Amsterdam; they are emploved in the East and West India trades, and in trading to the Baltic, the Mediterranean \&c. There is comparatively little coasting trade at Amsterdam, the communication with most other ports in the vicinity being principally kept up by canals, and that with Friesland by regular packets.
There belonged to IIolland on January 1, 1865, 1,837 ships, of the aggregate burden of 388,684 tons, ex river craft and small coasters.
The total imports into Holland in 1863 were
estimated at 412,438.906 florins, and the exports at $374,730,917$. The United Kingdom, the German Customs Union, Belgium, Java, France, and Russia, are the countries with which she carries on the most extensive crade.

Dutch Con.nercial Policy.-The policy of IIolland, civil, religious, and commercial, has long been of the most liberal and enlightened description (see post); and she was the tirst country to follow the example we set in repealing the navigation laws in 1849. The Duteh law on this subject was passed in 1850. Previously to that period discriminating duties were imposed on must articles imported on foreign bottoms; and also on those imported by foreigners into Java and her other colonies. Bat these preferences no londer exist. The following is an extract from the law relative to these matters:-
Differential duties are abolished on the vessels of those states which
a. Place the Dutch flag on the same fonting with their national flag trading to ard from their own ports (coasting tradc and tisheries excepted);
b. Which place the Dutch flag on the same footing with their national flag trading to and from their colonies, if they possess any; and
c. Which do not levy other differential duties to the disadvantage of the produce of the Netherland colonies, or to the prejudice of produce imported from other parts of the world, from Netherland ports, than those which are levied in favour of the produce of their own colonies, when import ed direct.
The fisheries and the consting trade of Holland and of her colonies are reserved to Dutch ships. But it is no longer necessary that the latter should le of Dutch build. Foreign-built ships have, however, to pay on being registered an ad valorem duty of 2 per cent. over and above the feo charged on the registration of Dutcl-built slips. Several important reductions were at the same time made in the tariff of import duties.
The navigation dues or tolls that were formerly charged on vessels or goods passing through IIolland by the Rhine and the Yssel, and transit duties of kinds, have also been repealed. And though it may be said, and truly, that these wise and liberal measures will be much more advantageous to the Dutch than to any other people, still they are of the greatest importance to all commercial nations, and especially to those who, like ourselves, have an extensive intercourse with them.
We are glad to have to state that this liberal policy has in IIolland, as in England, had its appropriate reward. Commerce has been largely extended. The mercantile marine is in a highly prowperous state and is daily recciving large additions. Many Dutch slips have latterly been chartered by English merchants.
Besides these exports, a considerable amount of foreign and colonial produce is exported by Great Britain to IIelland. During the vears 1861-5, these amounted to $4,504,8301$., $4,594,5611$., $6,339,322 l$. . $7,168,223 l$., and $6,823,1962$. , respectively. Of these commodities the largest in value was cotton, representing on an average twotifths of the whole amount. Coffee, indiro, vils, ice, silk, wool, and seeds were also considerable oljects of trade. Tea is also becoming an important article of export from Great Britain to Holland.
The greater portion, however, of the trade between the United Kingdom and IIolland is carried on with Rotterdam, which is much more conveniently situated for such intercourse than Amsterdam. But the latter contimes to engross by far the larger share of the commerce with the flourishing colony of Java and the other Jutch
possessions
the principal The follow a slap of 36 frawing 12 to tlie Enst I outwards.

Plotage from rea f Steanboal enteriuy Inwarl through Inward clearance a Inward eantal durboi I easuremint dues, In ward lights and
Outward lights and lock and house office Harhour master du Outwarl canal Pilotage from Ampe
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Taking in ball: putting it on board
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Acrount of the Quantities and Computed V'alues of the Principal Articles Imported from the Netherlands into the United Kingdom during each of the 5 Fears cuding uith 1865.


The uarehousing system has been loug established in Amsterdam; and all goods, whether for home consumption or transit, may be deposited in bonded warehouses. Speaking generally, goods can only be kept in bonded warchouses for 3 years: but grain of all kinds may be kept for an unlimited period. The warchouse rent chargeable per month on a quarter of wheat is, on an upper loft, $1 \frac{2}{5} d$; on an under loft $1 \frac{1}{2} d$. On a ton (Eng.) of sugar in casks the charge is $8 d . ;$ in bars, $6 d$.
The dock and its adjacent warelionses, belonging to the Entrepôt Geneval, or establishment for
warehousing goods imported by sca or intended to be re-exported by sea or by the Rhine, aro large and commodious. The dock has water to float the largest ships, and the dues and ether clarges are exccedingly moderate. Merelants may employ their own men or those of the dock in loading or unloading; and may either placo their property in separate vanlts or floors of which they keep the key, or cutrust it to the care of the dock officers.

Dutch Trading Company, or Netherlands Trading Soeiety, Nederlundsche Mandel Maasschappij,The general opinion as to the trade of the Dutch

## East

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The compla wears, and was gharan Who way hi
The earlv a the harly at tixito the whe be paid by th new tavacuit Vian den Bos prosperity of $t$ lo return fo the company government in moverument su ment promber The above is a
Moncy's excell An abridged been wanting, a tions necessary turmer laws are The new tare are excepted whic the duty on these surpass 5 per ee
tariff, and those the artich and those articles 3 per cent, $\mathrm{O}_{n} \mathrm{~m}_{y}$ higher charged, duty are abohished, pealed, exeent tariff lhe fee fur rept is $f$ The fee for registerí
before 4 per ceut
The dillerence of tropical products fro mulled, likewise the
the law of the law of August 8, bours. bours.
It is known that in 1 navightion In 1851 a royal resolues on the the rates of pilotage of followed by the suppre ' for sea-ships (Law of Jı
The Duteh governme indirect navigation, I!
shap

## Last Indian possessions being a sover AMSTERDAMI <br> 

proportion and in butch government of tho grater buovs harbours the common inty, for dighthouses, 49 produce of the sume articles the whathe a tare proce. government the crown lamds. Whe whole of the Fold in the islaud ix, exeept the very small portion Netherlands itrudis exchusively exported portion having the mading suciety this ay the pronluce has mompoly of the export of complamy ment institution croneonsly comsiderell a crown rermment of the bit has hal no concern in the rntov the state than any or any other comnection fuint stmant. It is in fact mere pent of the buteh fots stoek company with nothing but a chatered fictory in oftce in Amstordanm mial ility. It has Mrets in in Batavia, with ageneies its principal horts in Java, and in other parts of 'the the chicer
hudia.
The company was established at of Netherland 3.,.i. Its original capitall was :it at Amsterdam in $3,000,0100$, sterling. This capital w,000 florins, or The conono,000 torins, and in is was redacel in vears, mul was guarant interest of 41 per cent , term ot 25 who was limed by King Williment. ber aunum The early aimseff one of the turge 1 . of hollamut, to have baventires of the conest shardholders. tr:30 the whole of the ful. In $18: 77$ part, apar not he paid ly the of the guaranteed in part, and in aew davacult king. It was in thimterest had to lim den Inture system was int prosperity of the and from this period by General In return for company. the cund for the adraice
goverumar was appointed made by the society, government in buying and importiug urent of the: ment produ supphes, and in exportin mionava all The ahove from Java and sellius othe governMoney's eis abridged from eh, vifi it in flollanel. An abritgred ent work on Java.) (B). i. of $\mathrm{M}_{1}$ : been wantins and elcarly defined tarifl hath.] The law of Aund has at length been has long tions necessargust 15, 1862, uniteeen obtainet. former lawsary for a tarifl of duthe disposiThe nlaws are annulled. of duties, and anl luties are made ad so far distinct that almost al are execpted which calorem. Only those articles sur duty on these beinot be taxed as by measures suriass 5 per cent., the calculated so as hot to and those artio areles not mentioned insed in the are of use for wes which are not classed, duty free, 3 pier cent inanufacture, have to pay but whieh higher eharged a in few articles of fuy from 2 to duty are abolished. The 13 additional cents on the
lin the new
pealed, except $\delta$ ariff all the export-duties are reThe fee for registering to puider 100 lbs . of rarss. before 4 per cent., is reduced to 2 ine foreign ships,
The diflerence. of duties on to 2 per cent. nulled products from the $D_{\text {importation }}$ of some the law likewise the distinctionth colonies is anthe law of August 8, 1850 , relative thes, tixel by bours. between the colonies and the to the matiIt.
It is known that in 1850 the Duteh harabolished. In 1851 (Law of Sluty on transit was
navigation ${ }^{4}$ royal rentaxes on the Maese September 2) the the rates resolution of February were abolished; and followed by thatage. These liberal 1852, decreases for sea-sh by the suppression of theasures were The Dutel (Law of July 14, 1850). tonnage-taxes ships with noth government also assit. indirect navigation ships, as well for direct forcign They have only to pay in

Hanslation of the Dutel taren from an Emerlinh The fullow. anm the Comedin pubished at the Netherlamowing are the prine Ginsette: Art. 2.-No dutw law above referred the tho mentioned in duty is to be paid refred to:elassed, an in the tarifl, exeppt that articles nut under cuceorling to their mature or cy comble he in the list. the articles of merchane or destinatiom, Art. 3,-No imp
n. Merehambise, re-daty is to be paid on:
buteh colunial me, re-landed within two years fr 1 . Meretherluthes. after being exported handed within two of certified Duteh origin, rio forcigh markets. years, alter being exported to from the Nethere re-banded, after being exportent not be imported inds to phaces where ther eimangmentation of importepuene of phohibition or nown when exported. thuty, which could not bir Art. 4.-W Wert
back exported from the Irawbel is, it camnot be re-lams, with draw Are is is repaic.
visions aud 0 import-duty is to inward-bound victmels for consumpe paid on proas sheh, fixell by the this must not sumpliss are declared
When they
of inport-cy exceed the fixel
be exparty will be armatel quantity, freedon: must care of the cunt until the exportat thas cave they
These andistom-house.
-1rt. b, - No are free of excise
a. Utensils and corlatery is to be paid on:
this riase of woold descencting belonging to and ised
inis ase must be cluly stated by an riners, save that an inventory when
States in the Nethe to ambassadors of Foreign
states where the reods dand but only for thane c. Cormempted from duty. Dutch ambassallors. c. Carrages wherewidnt;
journey; or wherewith forcintern d. Luak a jurney:
c. Luggage for the
c. Furniture in use :
g. Empty bags, barre
for the transport of merchandise , and objeets used bert. 8.-T or the calculandise when exported. the parts of the poment, the tith of the import-dinty Fr, shall be counted for the the eubic ell or thie ractions of cents are count whole.
fort. 9.- The import-counted for whole cents. or value may dectaration, however tritling the five cents Art. 10 may be.
not fixed by the merchandise, of which the tare
subtracted from the fross weight: the follig tare may be bo. For merchandise packed int:
boxes, fifteen per cent.; packed in barrels, or wooden
b. For merelandis.
baskets, canisters, line packed in leather, mats, ent.
objects, eight jer
Withthe tare, as tixen the importers are not col cent whiey may pay the import-d preceding article, then Which shall be determined buty of the net weight, at the expense of the importer the custom-officers barrt. 12.-When theorters
barrels, casks, baskets, there is a great number of
E bers, bales or packets
of the sar e size and sort, then the tare may be determined by weighing the empty objects, which shall be inticated by the custom-otheer. 'the tare shall be lixed then acearding to the result.

Art. 13.-When ad-valorem groods are packed with those whereof duty is to be paid aceorting to the weight, then the net weight can be determineal by the enstom-oflicers at the expense of the iniporter.

Art. 14.-For the determination of the importduty for liquids which do not pay excises, the following dahnetion will be allowed for leakage.
a. When imported by sea, froin the harbours of the Nortli Sea and Baltic, of lirance, Portugal and $S_{p a i n}$ from this side of the Strait of Gibraltar six per cent.; b. when inported fron elsewhere twelve jer cent.

Art. 15.-When the importer is not content with the deduction as fixed by the preceding article, he may pay duty for the real quantity, to be determined at his own expense.

Art. 16.-When liquids which do not pay excise, and which are charged according to the measure, are imported by land or by the rivers, no tieduction will be allesed.

The duty is to be paid for the whole contents of barrels, exeept when the importer should prefer to have the real eontents determined by the custom-otlicers, at his own expense.

Art. 19.-Importations prohibited are:
a. leprints of books, the copyright of which exists in the Notherlands or in forcign states with which they have coneluded eopyright treaties.
b. Copper coin and plates for eopper eoin.

Copper-plates for coin, however, may be inported for the use of the mint, by paying the import duty as lixed by the tariff for beaten copper, leaves or plates.

Art. 20.-An export duty of 5 guilders per 100 Ths, shall be paid on linen and cotton rags, including old useless paper, torn or not, linen and cotton, worn elothes of linen and cotton, sold hy weight, likewise pulp for paper, and all those objects when they are mixed with woollen rats.

An export duty of 5 guilders 50 cents per 100 lbs. shall be paid on unmixed woollen rags.
The following is the Royal resolntion of Oetober 6, 1862 , for the execution of the Law of August 15,1862 , conecruing the freedom of import-duty for shins' victuals and provisions.

Art. 1.-The quantity of ship-victuals and provisions for the consumption on inward-bound ships, which are, aceording to Art. 5 of the said Law, free of import duty or excises, is tixed:
a. For sailing-ships arriving along sea-side or by the rivers and for rafts per head of the crew: 5 onnees salt, 1 litre wine, $\frac{1}{2}$ litre spirits, 2 litres beer, 5 ounces soap, $\frac{1}{2}$ litre vinegar, $\dot{5}$ ounces sugar, 10 poluds pit-conls, 1 pound meat.
b. For every sea and river-steamer at once: 5 pounds salt, 10 litres wine, 20 litres beer, 5 ponnils soap, 3 litres vinegar, 5 pounds sugar, 20 pounds meat, 5 pounds pit-eoals per horse-power of the engine and per hour distance from the first office or the first expedition-oflice till the unlonding place;
c. For other goods, which are imported by sail-infr-vessels, steamers, or rafts, at a quaptity whereof the duty is no more than one guilder.

Art. 2.-I'he captain las to give a declaration at the first office of the quantity and sort of the victuals and provisions which are on board, with intication of the barrels, chests, and other paekages.

Art. 3.-The captain has the disposal of the quantity of victuals and provisions, as said by Art. 1.

Art. 4.-When the vietuals or provisions surpass the quantity fixed by Art. 1, then the custonnoflleers may apply such measures, either by meutioning on the general declaration, or hy fuarding or sealing, that the arrival on the unload-ing-place is secured.
When the goods arrive along the rivers, and no general declaration is made, then the eaptain is obliged to follow the preseriptions as lixed by Art. 1 of this resolution for the surpassing quantity. In that case shall be mentionel on the doeuments that those goods belong to victuals or provisions.

Art. 5.-The captaill when arrived on the unloading place is ohliged to put the victuals and provisions which he has not at his disposal, under the management of the custom-officers. The gouls can be sealed by them on board of the ship or in bond, till they are exported again. When this cannot be done the eaptain is obliged to submit the goors to the usual formalities of the in and export or transito.
Art. $\mathbf{6}$. - This resolution takes effeet on the 1 st November $186^{2}$.
The business of insurance is extensively practised at Amsterdam: the premiums are moderate, and the security unexceptionable. The high duty formerly imposed in this country on policies of insurance contributed to the increase of this business in Holland.

Credit, Discount, \&c.-The credit allowed on most artieles is 3 months; some articles, however, are always sold for ready money; a diseount is generally given in prompt payments; but the terms of eredit on most articles and the discount allowed for realy mosey liave been fixed by usige, and are regarded as essential conditions in every bargain. Some of the more important of these terms and discounts aro specified in the following table. In consequance of the preferenco given in liolland io reatly-money transactions, it is not a country in which adventurers withont capital have much chance of speedily making a fortune. 'Rien, en effet, de plas facilo que de s'établir à Ansterdam; mais rien de phos difficile gue s'y soutenir sans des grandes ressources. Dans cette ville, oì l'argent abonde, oì on le prête contre des sûretés à si bon marché, il est pourtunt impossib/e de s'cn procurer à creclit; et sans argent il li'y a plus de possibilité d'y travailler, que de trouver quelqu'un qui veuille de se charger t'un papier nouveau qui ne seroit pas appuyé d'un eredit que l'opinion, la protection, on des effets réels feroient valoir à la bourse. Les IIollandois suivent lì-dessus des maximes trìs-austeres, même ì l'egard des maisons d'une certaine consideration.' (Encyelopedie Méthodique de Commerce, t . ii. p. 650.) But this austerity is not a disadvantage, but the reverse. It prevents eommeree from degenerating, as it has too often done in other places, into gambling adventures, and puts it on a comparatively solid foundation. And it should be mentioned to the honour of the Dutch, and as a proof of the excellence of this system, that notwithstanding the distress and loss of trade occasioned by the invasion and oceupation of their country by the French, the bankrupteics in 1795 and subsequent years were not, comparatively, so numerous as in England in ordinary scasons! The regulations in the Code Napoléon as to bankruptey are enforced in IIolland.

It has long been the practice in Holland to make, on selling articles, considerable deductions from their weight, particularly from those of large bulk, as compared with their value. These taree and ilrafts, as they are termed, are now fixed by ancient usage, and the most important amongst them are here specified.

The nbot allowances actions wit! import-dutie "poll groods exception un such as are is欠 per cent, fo mils, baskets Excerption: iug 55 kilos. chests weighi In case the tare fixed as bry the daty grools, in such custom-house importers.
In ease there or packages of can be fixed b casks de., to be tions ill rtant of in the eferenco sactions, without laking a que de

## s. Dans

le prête pourtant ns argent r, que de rger d'un uyé d'un des effets Iollandois res, mêne zonsidéranerce, t. ii. dvantage, from dein other d puts it And it the Dutel, is system, iss of trade upation of ruptcies in , comparan ordinary e Napoléon nd. Holland to deductions ose of large These taree ow fixed by nt amongst

Tures and Allowitures on the prin AMSTERDAM

then be rechone tare for the whole quantity will When roonds accoriling to the uverage weight. aecorting to their whels the daty is to bo paid with fombls taxed aceonfit, are packed turether Weight of the tiryt ortimer to their w. If, the nett house ollheres at the can be taken by the custumFor all liquids free pense of tlee importers. measure, on importation by acisabe, rated by the granted for leakage as follows nea, a reduction is Coming from ports inflows:-
Fromee, [wrom ports in the North minil baltic Sea. Struits of fibraltar, 6 jer event on this sinde of tha. 12 per cent.
If the importers think that this reduction fior claing to a mednction in the they shoulh assert a law does nutgrant it those cases in which the pay luty neerorling to the will be at liberty to is to be determined by the eustom-house which at the expense of the importerstom-house oflicer: Momey.-Accounts amporters.
of which 5 econts are equivaleut in gnlelens and cents, cents, or 20 stivers, to 1 rulden or 1 stiver, and 100 thorin is equal to ls .8 to 1 sulden or tlorin. Thr: (icuerally speaking, however, the rate of exchange. is below jar, varying from it the rate of exchange. $11 \cdot 95$. The coins ing cireulation arins 65 cents to der, or gajo cents, the gulden are the rijksdathalve guldin, or 50 cents, the her 100) ecents, the cents, the dubbeltie, or 10 the kirart gulden, or 25 cents, the eont alli, the 10 eents, the stuiver, or 5 of silvar exerpting the two cent, all of which are: of eopper. The bank nofes named, which are those of $1,000,300,600$ nofes in eireulation are gulden. There is no trold co, 50, 10,25 and 10 fold and a great variety of silbage. Formerly. eirenlation, but these have of silver coins were in Weights and these have been ealled in. system of weights aures.-In measures $18 \cdot 0$ the French into the Netherlands, the mases was introduced changed. Netherlands, the names only being The pon
the F'rench kilogramme. Its divisions answers to lood, wigtje. ind korrel. Its divisions are the ons, Netherlands' lus korrel. $1 \cdot 015$ kilogranınes, or or $502{ }^{2}$ kilogrammes are are to $2 \cdot 240$ English lbs., The elle, which is the equal to 1 ewt. measurs, equals the French mitelement of lomer divisions are the palm, dinim, mitre. Its decimin decimal multiples, the roede and streep; and its The vierkante elle, or square mijle.
supericial measure; and answers to the unit of or metre carre of France. Its divis the centiare vierkante palm, vierkinte duim divisions are the streep; and its multiples, the vierk the vierkante vierkante bunder.

The kubiche elle
pacity ; and equals the mit of measures or caare the kubicke palm, Freneh stire. Its divisions; streep.
The term $u$ isse is given to a fircwood.
The kop is the unit of
and is the cube of the palm. anes for dry warcs, French litre. Its division is ; answeriag to the multiples the schepel and is the maatje, and its also called the zak, and equmls the the latter is litre. 30 mudden make 1 last. The kan is the unit for list.
the cube of the palm ; it corresponds to the and is litre. Its divisions are the corresponds to the Frencli and 100 kans make a vat or cask, whingerhoed, the French hectolitre.
'The apothecary's
ser., or $5,760 \mathrm{gr}$; new $\mathrm{lb}_{.}$is $12 \mathrm{oz.} ,96 \mathrm{dr}_{\mathrm{c}}, 288$ or 5,787 English grains.

Ily the old method of caleulating, which is not vet entirely superneded, the ib. of Amsterdam
 datm=108.023 lhs, avoirdupois.

Thus lust or measure for corn=30 mulden a 10 11-40ths quarters Winehester mensure. The umn 1 quid measure $=4$ ankers $=8$ steckans $=21$ vacrtels $=64$ stoops ur stophen $\because 2 x 1$ minghes $=250$ pints $=11$ Euglish wine gallons.

The stoop contains 5 p pints buglish measure.
100 mingles are egual to $: 12$ linglish wine gaiJons, or 26 1-ith Euphish bere gitlons, or ${ }^{2} \mathrm{tig}_{3}$ imperinl gallons.
French wine is sohl per hogshead of 180 mingles. Spanish and lorrugucse witte prer pinge of

319 ilitto.
French brandy, per hagshead al - 30 viertels. Heer, per barrel (equal to the aman) of ${ }^{-}$
Yeretable oils, per anm, of 128 mingles. Whiale oil, per ditto $=-\quad-\quad$ itidito.
lium is sold pier anher of 2 steckiun $=10 \frac{4}{4}$ linglish wine gallons.
The frot of Amsterdam $=111-7$ th Englinh inches. The Rhineland foot $=12$ ditro.
The ell, eloth measure $= \pm 7$ 1-12th ditw.
Rock salt is sold per hondert of 40.5 matens, making 20 tons, or d,000 Ibs. Dutch.

Pit coal is sold per hoed of 38 maten; 9 hoeds are 5 eliahlrons of Newcastle, or 6 ! Ioeds are 5 chaldrons of landon.
Butter is sotd per harrel ; the harrel of Leciden is 320 lbs , nett-1 hat of Friesland 28 lbs, nettand the eommon Duteh barrel 336 lbs. fross.

A last of herrings is reckonel at 12,13 , or 14 barrels.

A last of pitch is 1:2 barrels.
A last of tar, 13 harrels.
A bag of need $=2$. Winchester quaricers.
8 hogsheads (or oxhofts) of wine
12 barrels of piteh
13 barrels of tar
20 chests of lemons, de.
4,000 lhs, of iron, copler, and colonial produce
4,000 lbs of almonds
2,000 lbs. of wool or feathers
A last of wheat is considered 10 per ecat. higher than one of rye, and the latter yot per cent. higher than oats, and 12 per cent. higher than seed. A last of ballast is ouly 2,000 lbs.These details have been derived from the answers by the llritish consul to the circular queries; the Dictionnaire alu Comacree (Eucy. Méthod.), tom. ii. pl. $551-650$; Kielly's Cambist, prizate information, \&c.
A last for freight is 2,000 kilogrammes, equivalent to about 1 ton, 19 ewts. 1 gr. 18 liss. linglish.
Aecording to the tariff of the Netherlands' Trading Company the last, in settling freights from the Netherlands' East Indies, varies as follow: :-

are reckonel ans one last in sottling the freight of ships.

Mayniturle of the Commerce of Hollumal in the Scuenternth Century: Cumses of its I'ronucrily anil Decline. - We believe we need make no apology for embracing this opportunity to lay before ouir readers the following details with resperet to the commeree and commercial policy of tholland. it forms one of the most instruetive top ies of investigation; and it is to be regretted that no littlo attention should have been paid to it in this comitry.

Irevionsly to the commencement of the songcontinued and ghlorions strugitle made by the Dutch to emancipate themselves from the hlind and brutal despotism of Old Spain, they hatl a considerable marine, and had atmined to distinetion by their lisheries and commerce; and tho war, instead of being injurions to the traile of the republic, contributed powerfully to its extension. Alter the capture of Antwerp liy the Spaniards, in IbNi, the extensive commeree of which it had been the centre wat removed to the ports of Itolland, and principally to Amsterdan, which then attaned to the distinction the long enjoyed, of the first commercial city of Europe.

In 1602 the Dutch East. India Company was formed; and notwithstanding the pernicions inHuence of that association, the Indian trade increased rapidly in magnitude and importance. Ship ditted cither for commercial or warlike parposes, and liaving a considerable number of soldiers on board, wore sent out within a few yars of the establishment of the company. Amboynn and the Moluceas were first wrested from the Portuguese, and with them the Dutch obtained the monopoly of the spice trade. Factories and fortifations were in no long time established, from Bussorah, near the month of the Tigris, in the l'ursian Gulf, along the coasts and islands of India as far as Japan. Alliances were formed with several of the lntian princes; and in many parts, particularly on the coasts of Ceylon, and in various districts of Malabar and Coromandel, they were themselves the sovereigns. Batavia, in the large and fertite island of Java, the greater part of which had been conquered by the Duteh, formed the centre of their Indian commerce; and though unhealthy, its port was excellent, and it was admirably situated for commanding the trade of the Eastern Archipelago. In 165 L they planted a colony at tho Cape of Good Ilope, which had been strangely neglected by the I'ortuguese.

Every branch of commerce was vigorously prosecuted by the Dutch. Their trate with the Baltic was, however, by far the most extensive and lucrative of which they were in possession. Guicciardini mentions that the trade with Poland, Denmark, I'russia; de., even before their revolt was so very great, that fleets of 300 ships arrived twice a year at Amsterdan from Dantzic and Livonia only ; but it increased prodigionsly during the latter part of the sixteenth and the beginning of the seventeenth centuries. The great population of Ilolland, and the limited extent and unfruitful nature of the soil, rencer the inhabitants depenilent on foreigners for the groater part of their supplies of corn. The countries round the Baltie have always furnished them with the principal of those supplies; and it is from then that they have been in the halit of bringing tim ber, iron, hemp and llax, pitch and tar, tallon ashes, and other bulky articles required in th buidding of their houses and ships, and in variot manufactures. Nothing, however, redounds 1 much to the credit of the Dutch, as the poli, they have invariably followed with respect to $t$ trade in corn. They have, at all times, had
large canital embarked in this Aus AMSTEILD.LM
wians which are perpetmally ousiness, sively , early led them tur y occurring in the xively in a sort of speculation engage very extenthe crops happened to be musumpu trmide. When prices low, ibey bought and atarly product be, an! ties of grain, in the expectutored of large guantiadvance that was sure to tation of protiting by the rence of an unfavourable tahe phace ons the oceur wre manle, in primis whe year. liepeated elliort prevail on the rovernmenter prices wern rivine to mequey steadily refised to prohibit exportation; lonence of this enlightened int "f fere. In conforg been the most limportant bind $y$, llolland has heen furuis and her markets have oun uil untrepnit Thoso seashed with the most abund oceavions Guso scarcities which are sis numbint supplies. in cornies without commerce, or wisastrums in tot only bubjected to fetters and reve the trade becume only been totally unknown restrants, have chants, who coplous source of wealth tolland, hut threous ho then obtained nealth to her mertheir warent for the supplies realy and adsanhialeiphrchuses, 'Amsupplies, ncemmulated in corn, mone of iter witheat 7 oo, offors sir Whater a rearth of ouly the growth of' Hollaut st of of lurope enriclice one year in any other natd the course of a hes holland for seven years part in Eugland, there nud a half, during a seareity ports of Sonthamptom, Bristried awny trons the nearly 200,0001; ; and it Lam, and Exeter alone, $\because, 000,000 \mathrm{l}$, be included, there tund the rest and Comathore.' (Observation must have been vol, ii.) Werce with the Iosllunder, Aliscel. 11 Trute Tho de la Joliauell-informed author of the Richesse ullusion to these published in 1708 , olserves in the grains regne dane circunstances, 'Gue la disette vons trouverez da froment du parties da monde;
 The D. p. 276 .)
The principal ot Amsterdam was fommied in 1600 . obviate the inconvet of this establishment was to from the circuation of the councertuinty warising merterdam from all parts of coins imported into merchants who carried coin of the world, The this wed credit for an equal value in the Bank parmas called bank-money; aulue in its books: payments were eflected by writing it considerahle accomt of one individual to it off from the This establishment continu to that of another. vasion of the Freneh in 179. , thourish till the Between the years 16519 . territories of the republic were 1072, when the reachen, the commerce of Holland waded by the its increase freatest height. De withs to have at Munster in the treaty with Spitt estimates adds that in 1643, to 16i69, at finm, concluded lost the during the war with Il al halt. He since the preater part of her naval pout, spain the trode peace, the Dutel had obt power; that vionsly to that country, which med mest of and the Earied on by the Hanseatio been pretrade of Spuglish; that almost ancic morchants thate of Spain was carrical amest all the coasting thatt Spain had eren carricd on by Duteh shippingr; shipls to sail to her been forcel to hire Ihuteli that so great wns the emerican possessions; and fromand to Spain, that all thertation of goods frum from the Spanish, that all the merebandise broum to make returus .est hulies was not sutlight At this purns for them.
by meims of nny artit, the Dutch engrossed, not greater number of theiral monopoly, but by the and their superior
almust and ecmomy in all that regardednario s3 value of the whole carrylug trade of Euromation, hoitoms, towarls exported from Francope. The centure e artis the middle of the in Dutch conmore exceeded $10,000,000$ of the finurtecnth was, fore of bigland with the lires; and the was: fur a very long weriod the Low Countries carrind on in them. ${ }^{\text {ang }}$ period, almost entirely the blusiar of
the ordecsuffully prosecuted insuranee way largely. contaim thices published in ansterdam; and settlenent most judicions repulation and 1671 ductinent of such diyputes ns reminatouss for the It incting thiy dillicult put has night arise in conIt is singular, howerer motyighy useful busiume city of the b, werer, not whthstandiner the industrious butel. and their desire the the sapahibitedions habits, that they should hirengelien emriand turance upon lives. It wat have proderived from show the advantages that peryed for science from this bountiful npulication might be In lato probabilities. ping of Elurope iniam Petty extimated the Nipposed to be distribult $2,000,000$ toms, whidh ho bul, 000; Frane ributed las follows: vi, whint he Sweden, and In, loototen; llank: viz. Enerland,
 lrovingy, 2it,000; that of ; Spain, Portugal rovinces amounting necorl the Seven United Whis, or to nearly one hecord of the thim, to 900,000 be plirepe! No great deplendence whole tomage bity ined upon these estimittens bun, of ecurse, orepond hat, had they heetu more the probabihecon revance in favour of hollane acearate, the returneater thim it nppetrs to bolland womld have returns to the circulars addre be; for the official comnuissioners of ellarstoms adidessed in 1701 by the diffrent ports, show that to the officers at the nave of England nmountel the whole mercantile 261,222 tons, carrying 27,196 at that periold to only Innals of Commerce, amo 1701, (Macphesson's
It may, therefore, bo fuint,
during the seventecnth ee fatirly coneluded that merce and navgation of It the forciby com than that of all Europe besidnad was greater comatry which was thope besides; and pet ter had no nutive was the seat of this vast eyet the of timber fit fur phince to export, nor eyoumerce iruit of industry ship-building. $1 / l$ had been the aation of cirm, cconomy, and a furtunate con the Holland oved ances.
of causes: partly to vast commerce to $n$ variet moustry and economy to peculiar situation, the comparatively libenomy of her inhabiton, the civil as woll liberal and enlirhtenel mots, the cirit as weli as of commercial policy system of the republic; and partly also policy adopted by disturbances that previliled a to the wars and countries in the sixtecnth and most Europenan suries, and prevented thens and seventeenth cenThe ascender of the buteh. state beran toncy of Holland ment of last clechine from about a commercial by the treaty century. After the wor commencethe goveruty of Aix-la-Chapolle, war terminated to the stament of Holland wax finciattention of of the state of the shipping nod foreibly attracted which their the, The diseovery of tign commeree trade their decline might bery of the means by ancient thourive remblic, if possille, rested, and the object in the specundition, became ared to its interested in theculations of everye a prominent cure the mothe public welfare. In orde who felt the Stadthoust correct information In order to proing querionder, William IV., addressed the subject, gent meres to all the most extensive ane followtheir answers:- desiring them to favour intelli-
' $]$. What is t
the same should be found to be diminished and fallen to decay, then, 2. To enquire by what anethods the same may be supported and advanced, or, if possible, restored to its former lustre, repute, and digrity?"

In discussing theso questions, the merchants were obliged to enter into an examination, as woll of the canses which had raised the commerce of Ilolinnd to the high pitch of prosperity to which it had once attained, as of these which had ocensioned its subsequent declinc. It is stated that, though not of the same opinion upon alt points, they, speaking generally, concurred as to those that were most important. When their answers had been obtaned, nad compared with each other, the Stadtholder had a tissertation prepared from them, and other authentic sources, on the commerce of the republic, to which proposals were subjoined for its amendment. Some of the principles advanced in this dissertation apply to the case of Holland only; but most of them are of universal application, and are not more comprehensive than sound. We donbt, indeed, whe'ser the benefits resulting from reli-. gious toieration, political liberty, the security of property, and the freedom of industry, have ever been more clearly set forth than in this dissertation. It begins by an enumeration of the canses which contributed to advance the commerce of the republic to its former unexampled prosperity: these the authors divite into three classes, embracing under the first those that were naturai and physiral; under the second, those tiney denominated moral; and under the third, those which they considered adventitious and external ; remarking on them in succession as follows:-
'I. The natural and physical causes are the divantages of the situation of the country on the sea nnd at the mouth of considerable rivers; its situation between the northern and southern parts, which, by being in a manner the centre of all linrope, made the repubic become the general market, wfiere the merchants on both sides used to bring their superfloous commodities, in orier to barter and exchange the same for other goods they wanted.
'Nor have the barrenness of the eomatry, and the necessities of the natives arisurg from that cause, less contributed to set them upon verting all their application, industry, aud utmost stretch of genius, to fetch from foreign countries what they stand in need of in their own, and to support theinselves by trade.
'The abnudance of fish in the neighbouring seas put them in a condition not only to suply their own occasions, but with the everplas to carry on a trade with foreigners, and ont of the produce of the fishery to tind an equivatent for what they wanted, through the sterility and narrow boundaries and extent of their own comintry.
'11. Among the moral and political couses are to be placed, the unalterable maxim and fundainental law relating to the free exercise of diferent retigions; and always to consider this toleration and comivance as the most effectual means to draw foreigners from niljacent conntries to settle and reside here, and so become instrumental to the $r$ pling of these provinces.
"'I he constant policy of the republic to make this country a perpetual, safe, and secure asylum for any persecuted and oppressed stiangers. No alliance, no treaty, no regard for or solicitation of any potentate whutever, has at any time been able to weaken or tlestroy this las, or make the state recede from protecting those who have fled to it for their own security and sell-preservation.
'Tliroughont the whole course of ail the persecutions and oppressions that have occurred in other countries, tho steady adherence of the republic to this fundamental law has been the cause that miny people have nut only fled hither for refuge, with their whole stock in ready cash and their most valuable effects, but have also settled, and established many trades, fabries, manufactories, arts, and sciences in this ccuntry, notwithstanding the first materials for the said fabrics and manufnctories were almost whoily uranting in it, and not to be procured but at a great expense from forcign parts.
'The constitution of onr form of government, and the liberty thus necruing to the citizen, are further rensons to which the growth of trade, and its establislıment in the repubiic, ody fairly he ascribed; s.al all her policy and laws are put upon such an equitable footing, that neither life, estates, nor dignities depend on the c price or arbitrary power of any single individial; nor is there any room for any person, who, by care, frugality, and diligence, has once ncquired an affluent iortune or estate, to fear a deprivation of them by any uct of violence, oppression, or injustice.
'The fidministration of justice in the cermtry has, in like manner, always been clear and impartial, and withont distinction of superior or inferior rank, whether the parties have been rich or poor, or were this a foreigner and that a mative; and it were greatly to be wished we could at this dny looast of such impartial quickness and despatelt in all our legal processes, considering how great an intuence it has on trude.
'I'o sum up all, anongst the moral and political causes of the former flourishing state of trade may be likewise placed the wisdom and prudence of the administration, the intrepid firmness of the councils, the faitlifulness with which treaties and engagements were wont to be fultilled and ratified, and particularly the care and cantion practised to preserve tranpuiblity and peace, and to declino insteal of euteriug on a scene of war, merely to fratify the mathitious views of graining fruitless or imaginary conquests.
' By these moral ind political maxims were the glory and reputation of the republic so far sprend, and foreigners animated to place so great a confidence in the steady determinations of a stato so wisely rud prudently conducted, that a concourse of them stocked this country with an augmentation of inhabitants and useful hands, whereby its trade and opulence were from time to time increased.
'lif. Amongst the ndventitious and external causes of the rise and fourishing state of our trade may be reckoned-
'Ihat at the time when the best and wisest maxims were adopted in the republic as the means of makiug trade flourish, they were neglected in aimost all other countries; and anyone reading the history of those times may easily discover that the persecutions on account of religion, throughont Spain, Brabant, Flanders, and many other states and kingdoms, have powerfully promoted the establishment of commerce in the repubtic.
' To this happy result, and the settling of manufacturers in our cotutry, the long continuance of the civil wars in France, which were afterwards earried on in Germany, England, and divers other parts, has also very much contributed.
'It must be added, in the last pince, that during our most burdensome and heavy wars with Spain and Portugal (however ruinons that period was for commeree otherwise), these powers had both negiected their navy; whilst the navy of the re-
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quarte Englis We thinkin credit o land. ceived $n$ of the render wealth. commanc Continen inlabitan the barre overtlowe prise, are great teg there can been yery , that it is $t$ influence o nately, are ticular coun Girecce, $\mathrm{Eu}_{4}$ holland. Many diss for the declin if we mistake minder two pro growth of c countries ; an home. Durin ${ }^{10}$ great emine France, and $\mathrm{S}_{\mathrm{p}}$, dissellsions, or foreign conque energies to the withstand the $\mathbf{c}$ as the Dutch. necessity of all
foreign, and foreign, and ev cartied on in $D_{1}$ intendence of 1 Cession of Loui Cromwell had pi in France and E great nations beg
which the Dut which the Dutcl
monopoly. It wi tranquility ard had been establ their active and submit to see one of inchustry in the $\mathrm{D}_{\text {utch }}$ ceased to out any fault of $t$ othe function nee otlecr uations bec: marine, and were : had previously ib

What
dition of dition of Molland advance of rival stripped her of a lar once possesscal. $B_{1}$ to have been consic perhaps, the efforts fectual, by the extre she was subjected, expenses ineurred i
with Spain, and the
mublic, by a conduct directly the revers $\rho$, was at the same time formidable, and in a capkeity not only to :rotect the trade of its own subje 'ts, but to annoy and crush that of their enemies in all quarters.' (Tho Dissertation w is translated into English, and published at Lovion in 175 I . W'c have quoted from the translation.)

We believe our readers will agree with us in thinking that these statements reflect the greatest credit on the merehants and govermment of Holland. Nothing, as it appears to us, could be conleeived more judicious than the account they give of the causes which principally contributed to render IInlland a great commercial commonwealth. The central situntion of the country, its command of some of the principal inlets to the Continent, and the necessity under which the inlaabitants have been placed, in conscquence of the larrenness of the soil and its liability to be overtlowed, to exert all their industry and enterprise, are cireumstances that seem to be in a great degree peculiar in Iolland. But though there can be no doubt that their influence has been very considerable, 10 one will pretend to sny that it is to be compared for a monent with the influence of those free institutions which, fortumately, are not the exclusive attributes of any particolar conntry, but have flourished in Plocnicia, Grecce, Englnad, and America, as well as in Holland.

Many dissertations have been written to account for the decline of the commence of Molland. But, if we mistake not, its leading causes may be classed minder two prominent heads: viz. first, the natural growth of commerce and narigation in other countries; and, sccond, the weight of taxation at home. During the perioa when the republic rose to great eminence as a commercial state, Eugland, France, and Spain, distracted by civil and religions dissensions, or engrossed wholly by schemes of foreign conquest, were unable to apply their energies to the cultivation of commeree, or to withstand the competition of so industrious a people as the Dutch. They, therefore, were under the necessity of allowing the greater part of their foreign, and even of their coasting trade, to be carried on in Dinteh bottoms, nud muler the superintendence of Dutel faciors. But after the accession of Louis IIV. and the ascendency of Cromwell had put nu end to internal commotions in France and England, the energies of these two great nations began to be directed to pursuits of which the Dutch had hitherto enjoyed almost it monopoly. It was not to be supposed that when tranquilitity ard a regular system of covernment had been established in France and England, their active und enterprising inhabitants would submit to see one of their most valuable branches of industry in the hands of the foreigners. The Dutch ceased to be the earriers of Europe, without any fault of their own. Their performance of that function aecessarily terminated as soon as oth.er nations became possessed of $n$ mercantile marine, and were able to do for thenselves what had previously been done for them by their neighbours.

Whatever, therefore, might have been the condition of IHolland in other respects, the natural atvance of rival nations must ineritably hare stripped her of a large portion of the commerce she once possessed. But the progress of decline reems to have been considerably accelerated, o: rather, perhaps, the efforts to arrest it were rencered ineffectual, by the extremely heavy taxation to which she was subjected, occasionod by the mavoidable expenses incurred in the revolutionary strugerle with Spaiu, und the subsequent wars with France
and England. The necessities of the state led to the imposition of taxes on corn, on flour when it was ground at the mill, and on bread when it came from the oven ; on butter, and fish, ard fruit ; on income and legacies; the sale of houses; and, in short, almost every article of either necessity or convenience. Sir William Temple mentions that in his time-and taxas were greatly Increased afterwards-one fish sance was in common use, which directly paid no fewer than thirty different duties of excise; and it was a common saying at Amsterdam, that every dish'of tish brought to table was paid for onee to the lisherman, and six times to the state.
The pernicious influence of this heavy taxation has been ably set forth lyy the author of the Richesse de la Mollande, and other well-informed writers; and it has also been very forcibly pointed out in the Dissertation already referred to, drawn up from the communications of the Dutch merchants. 'Oppressive taxes,' it is there stated, ' must be placed at the head of all the causes that have co-operated to the prejudice and discouragement of trade; and it may be justly said, that it can only be attributed to them that the trade of this country has heen diverted out of its chamel and transferred to our neighbours, and must daily be still more and more alienated and slat out from us, unless the progress thereof be stopped by some quick aud effectual remedy: nor is it difficult to see, from these contemplations on the state of our trade, that the same will be effected by no other means than a diminution of all duties.
'In former times this was reckoned the only trading state in Europe; and foreigners were content to pay the taxes, as well on the goods they brought lither, as on those they came here to buy; without examining whether they could evade or save them, by fetehing the goods from the places where they were produced, and carrying ofleers to the places where they were consumed: in short, they paid us our taxes with pleasure, without any further enquiry.
'Hut, since the last century, the system of trade is altered all over Europe : foreign nations, secing the wonderful elleet of our trade, and to what an eminence we had risen only by means thereof, they did likewise apply thenselves to it; and, to save our duties, sent their superfluons roducts beside our country, to the places where they are most consumed; aind in return for the same, furnished themselves from the first hands with what they wanted.'

But, notwithstanding this authoritative exposition of the pernicious effects resulting from the excess of taxation, the necessary expenses of the state were so great as to render it inpossible to make any sullicient reductions. And, with the exception of the transit trade carried on through the laine and Meuse, which is in a great measure independent of foreign competition, and the American trade, most of the other branches of the forcign trade of Holland, though still very considerable, continue in a comparatively depressed $s^{+}$ate.

In consequence principally of the oppressiveness of taxation, but partly. tuo, of the excessive accumulation of enpital that had taken place, while the Dutch engrossed the carrying trade of Europe, prolits in Holland were reduced towards the middle of cle seventeenth century, and have ever since continued extremely low. This circumstance would of itself have sapped the foundations of her commercial greatness. IIer capitalists, who could hardly expect to clear more than 2 or 3 per cent. of net protit by any sort of mulertaking carried on
at home, were tempted to vest their eapital in other comutrits, and to speculate in loans to foreirn govermments. There are the best rensons for thinking that the Dutch were, until very lately, the largest creditors of any nation in Europe. It is impossible, indeed, to form any aceurate estimate of what the sums owing them by foreigners previously to the late Freneh war, or at present, may monount to; but there can be no donbt that at the former period the amount was immense, and that it is still very considerable, M. Demeunier (l)ictionmaire de $l$ 'Sconomie Prelitique, tom. iii. p. 7.20) states the amount of capital lent by the Duteh to foreign governments, exclusive of the large sums lent to France during the American war, at seventythree millions sterling. Aceorling to the author of the Richesse de la hollamle (ii. p. 292), the sums lent to France and England only, previonsly to 17ax, amounted to $1,500,000$ livres tomunois, or ti0,000,0001. sterling. And besides these, vast sums were lent to private individuals in foreign countrics, both regularly as loms at interest, and in the shape of goods intrance: at lemp, credits. so great was the dificulty of finding in advantageons investment for money in llolland, that sir William Temple menions, that the payment of any part of the national debt was looked upon by the creditors as an evil of the tirst magnitude. 'They receive it,' says he, ' with tears, not knowing how to dispost of it to interest with such rafety and casc.'
Among the subordinate canses which contributed to the deeline of Duteh commeree, or which have, at all events, prevented its growth, we may reckon the circumstance of the commeree with India having been subjected to the tranmess of monopoly. De Witt expresses his firm conviction, that the abolition of the East India Company would have alded very greaty to the trade with the least; and no doubt can ir or remain in the mind of anyone, that such would have bern the case. (For proots of this, see the article un the commeree of LIolland in the Eidinburyh Revicur, No. Cll., from which most of these atatements have been taken.) The interference of the administration in regulating the mode in which some of the most important branches of industry should be eerried on, seems also to have been exceedingly injurious. Every proceeding with respect to the herring fixhery, for example, was regulated by the orders of government, carried imo effect under the inspeetion of otlieers uppointed for that purpose. Some of these regulations were excereiingly vexations. The period when the tishery might begin was fixed at five minutes past twelve o'elock of the nitht of June ㄴ!! and the master nod pilot of every vessel leaving IIolland for the tishery were obliged to make oath that they would respect the regulation. The species of salt to be made use of in ruring differcut sorts of herrings was also tixed by law ; and there were endless rugulations with respect to the size of the barrels, thee number and thickness of the staves of which they were to be made; the gutting and packing of ti.e herrings; the bramlint of the barrels, dee. de. (Ifistoire des Pêches §c.daus les. Mers du Nord, tom. i. ch, xxiv.) These regulations were intendel to secure to the llollanders that superiority which they had early attained in the tishery, and to prevent tho reputation of their herrings from being injured by the had faith of individuals. Bat their real effect was precisely the reverse of this. ley tying up the tishers to a system of routine, they prevented them from making uny improvements; while the facilty of eounterleiting the public marks opened a much wider door to fraud than would have been opened
had govermment wisely declined interiering in the matter.
In despite, however, of the East India monopoly. and the regulations now deschibed, the commercial policy of Ilolland has been roore liberal than that of any other nation. And in consequence, a country not more extensive than Wales, and naturally not more fertile, conquered, indeed, in great measure from the sen, from the irruptions of which it is defended by immense dykes, constructed and lept up at a vast expense, had aceumulated a pupulation of upwarits of two millions; las maintained wars of unexampled duration with the most powerful monarehies: and besides laying out immense sums in works of utility and ornament at home, has been enabled to lead hundreds of millions to foreigners. To those who consider what intelligence, industry, and perseverance linve done for llolland, the ingenious epigram of liteairn will not appear ex-travagant:-

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Teflurem ferere Dii, sua littora Ilugge,
Dimmenseque fut molis utergue labos.
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Nit uhi guod copptis pande ohese fult.
Ast Helsis marla et coeli, naturimue rerun
Oh, titit ; ubatatites hi tomuêre Deow.
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(Selecta Poemata Pitcairni, Edinburgi, 1727, p. 3. Thougl le has not eopied. liteairn, no doubt, hatd in his recollection the tmons epigram ot Sannazarius on Venice: see the article on that city.)

During the occupation of llolland by the Fromeh, tirst as a dependent state, and sulsequently as an integral part of the lireneh empire, her foreign trate was almost entirely destroyel. Iter colonics were successively conquered by Eingland; and, in addition to the lows of her trade, she was lurdened with fresh taxes. But such was the vast accumulated wealth of the Dutel. their prudence, and energy, that the inttuence of these alverse circumstances was far less injurions than conld have heen imagined; nnd, notwithstanding all the losses she had sustained, and the long inferruption of her conmerciai pursuits, Iluland eontimed, at her emancipation from the yoke of the French in 1814, to the the richest eountry in Europe! Java, the Moluceas, and most of her other colonies were then restored, and she is now in the enjoyment of a large foreign trade. Her connection with Belgium was an unfortunate one for both commtries, 'lhe union :as not agreeable to either party, and was injurions to Iloiiand. lelgium was an agricultural and manufacturing country; and was inclined, in imitation of the French, to lay restrictions on the importation of most sorts of raw and manufactured produce. A policy of this sort was directly opposed to the interests and the andient practice of the Duteh. But though their depuries prevented the restrictive system from being carried to the extent proposed by the Belgians, they were unable to prevent it from being carried on to an extent that materiaity aflected the trate of Holland. Whatever, therefore, may be the consequences as to Delgium, there can be little il nibt that the separation of the two divisions of the kinglom of the Netherlands will relound to the advantage of llolland. It must ever be for the interest of England, America, und all trading nations, to maintain the indenendence of a state by whose means their productions dind a ready nccess to the great continental markets, It is to be loped that the Duteh, protiting by past experience, will adopt suel a liberal and conciliatory system towarts the natives of lava, as may enable them to avail themselves to the full of the vainus resourees of that noble island. And if

## ANCHORAGE <br> do this, and freely onen

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 the centre of all comntries, Hollamiph and comcontinue to a very extensive com maty still be mercantile preserve a respectanmerce, ami may all the vichations. Even at thic place amonis Datch are, bevoules they have unoment, after ind industrioyond all question, the morgone, the present, no less of European nations most opulent And their the absence of stem of government state, shows come aluoce of restrictions on inent, security, and standing most every obstacle: ‘watry, cant overpool and lake iuto fit convert the desert smill rock with verdure meallows, cover ANCnlow with 1lowers, Good atelinge or AN harl hor too soft. ground shonhity Gliolind. is apt nut to sotf; for: in the first neither be too other to to take a sufficienst case, the anchor and neatrag. The best botthold, and in the the tlukes of it a tirm sand. In is a stiff clay and hempe the anchor are romet rocky botton throurb pen ceble, are liable to times torn avay, that th. It is also essenable to chafe, and be cuit that the water be neithertial to a gooll anehorage hearly too deep, the pull of thor too shallow. out of perpendicular, is apt to the cable, heing. ship is the gromid; and when jerk the anchor storm, of stribed to the danger, whe shallow, the in water striking the bottom. When riding in a the nature that is lund-loekel, where a stip is importanee. III most harbours and mare ships may unchor are poadsteads the phaces stress of are bound, except whinted out, and all directions weather to act otherwi compelled by anehoring by may be given them to whey the in authority. the harbour-master or in respect to cality is apju in some roadstead or other parties ships, and mepronated for the use of peculiar bounder considerable ships are semernily Majesty's such locality: Anchoraty.the use of
ANCllole port or harbour. laid on ships for chora; Gr. àz AND Cilbles
 ships. The ; ita, aneor, ). Are ane ancla-incora; piece or shanh comon anchor consists in mooring arms, and at the crossed at the lower of a main siock and the arms tiper end by the end by the each othe-, and a rins are placed at rier stork. The end of the stock ang is shut or riveted to angles to tached. This instrum this ringr the coble tupher The old Admimstrument is of cable is atthe anchor deserily anchor dillers breat antiquity. such as Porteribel by l'liny. Sur little from tively recenter's and 'Trotman's, are of eonchors, Idus ent date.

## manufacturer of anchorpsecting anchors,- Fer

 auchor which he munurs shali, in case of cery characters on the manufactures, mark in of each under the stoek crix now and also on the cergibe adulition of a progressive mumb initials, with the of such anehor; and ife number and the with the so he shall for and it he makes detimlt in weirht exceeding 50 . each offence incur a penalty not s. 483.) (Merchant Shipining Act, 1815 provided with suitable seaworthy unless she be any deticiency in this reanchors and cables; and ellect as if it were in the hull or rigrentre sume legal chamel are behoring in a river rigeing.Ncale of Pronf＇s shoucing the Tensile Strain to uhieh Chain Cubles are snbjected before being －recived for the use of her Majesty＇s Naval Service．

＊The tensile strain is suplied to each of the R lemuthes separately and not to the whole length of tou fathons at onc time

Scale of Proofs showing the Tensile Strain to which Anchors are sulbjected before being reccived for the use of har Majesty＇s Naral Service．Test of Anchurs in Tous，proportioned to their Weight in Cwts．

| $\begin{aligned} & \tilde{W_{0}^{2}} \\ & = \end{aligned}$ | $\underset{H}{\stackrel{~}{6}}$ | $\begin{aligned} & \frac{\pi}{x} \\ & \frac{2}{2} \\ & \hline \end{aligned}$ | $\stackrel{\square}{4}$ |  | $\bar{G}$ | $\begin{gathered} \stackrel{\rightharpoonup}{\vec{W}} \\ \stackrel{\rightharpoonup}{3} \\ \hline \end{gathered}$ | 5 |  | ${ }_{6}^{6}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }^{\text {w }}$ | tons | ${ }^{\text {cwi．}}$ | tens | cwit | tons | ${ }^{\text {cwit．}}$ | ${ }^{\text {tous }}$ | wt． | tins |
| 1610 99 | ${ }^{4} 13^{2}$ | 80 79 | 3st | 60 59 50 | 48 | 411 | 235 | 20 | 2119 |
| 98 | ifit | 78 | 57 | 59 | 475 | S\％ | 34 | 18 | $1{ }^{19}$ |
| 97 | $6{ }^{6}$ | 77 | 57 | 57 | ${ }_{46}^{4}+$ | 37 | ${ }^{3} 3$ | 17 | $1{ }^{1}$ |
| 96 | 6． 6.5 | 76 | $5{ }_{5} 5$ | 号， | ${ }_{4}^{46}$ | 36 | 337 | 16 | 1． |
| 94 | $63^{\circ}$ | 34 | 5.5 | 54 | 44 | 34 | 314 | 4 | $1{ }^{1}$ |
| 938 | ${ }^{644} 4$ | 73 72 | ${ }_{5} 5$ | 33 | 4.4 | 3．31 | 3010 | 138 | 硣 |
| 91 | 6，3\％ | 71 | ${ }_{5}{ }^{4}$ | 31 | ${ }_{43}$ | 31 | 24， | 12 |  |
| 90 | $63{ }^{1}$ | 70 | 53. | 50 | $4{ }^{4} 7$ | 311 | \％ 4 | 11 | 12 |
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| \％7 | 618 | 67 | 52\％ | 47 | 48 | 27 | 264 | ？ | 9 |
| 8.5 | ${ }_{61}^{612}$ | 6.5 6.5 | 51 51 | 46 |  | 26 25 25 | 23 | ： | 8 |
| 81 | bifl | 5 | 501 | 4 | $3 \times 1$ | 21 | ${ }^{2} 5$ |  | 61 |
| 8.3 | 60 | 63 | $4{ }^{31}$ | 43 | $3{ }^{3}$ | 23 | 238 | ， | 5. |
| ¢1 | 59 59 59 | 62 61 | － 49 | 412 | 539 | 218 | 22\％ | ${ }_{1}$ | 41 |

 distance between it and the centre of the crown．

It is worthy of remark that chain cables and anchors do not appear under the head of exports， and are consequently almost lost sight of as an article of manufacture exported in great quantities from this country．The anchor and eable mann－ facture represents a most important brauch of British trade．

The law as to wrecked of cast－away anchors and ＂ables，se．，is stated in the articles Salyage and Wreck，to which we beg to refer．

Lloyd＇s Table showing the Minimum Weights（ex．Stock）vf Anchors of unnljertinnable form and pro－ portions；Sizes ard Lengths of Chain Cubles；and the Proof Strain to uthich they are to le tested； and Sizes and L．ingths of Housers and Wurps．

| Shit＇s Tonnage | Anchors |  |  |  |  |  |  |  | Stud Chain Calles $\dagger$ |  |  | Hawsers and Warps |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number |  |  | Weight |  |  |  |  | $\underset{\substack{\text { Sixe }}}{\mathbf{M i n i m n i n}}$ | Proved to Admirally ＇rest | Length | Stream |  | tawser | Wart |  |
|  |  |  |  | How | ers： | Inclu | ing | ck |  |  |  |  |  |  |  |  |
|  |  | 总 | $\begin{aligned} & \frac{c}{x} \\ & \frac{y y y}{d} \\ & \underset{\sim}{3} \end{aligned}$ | $\begin{aligned} & \text { 弟 } \\ & \dot{N} \\ & \dot{4} \\ & \dot{4} \end{aligned}$ |  | $\underset{\underset{\sim}{4}}{\underset{\sim}{5}}$ | 荷 |  |  |  |  | Chain | Hope |  |  |  |
| tons |  |  |  |  |  | cwis． | cwits． | cwis． | （incher： |  | fathos．ns |  |  |  | Inclus |  |
| $\begin{array}{r} 30 \\ 30 \\ \hline 3 \end{array}$ | 4 | 1 | $\begin{aligned} & 1 \\ & ! \end{aligned}$ | 告 | 47.10 52.11 | 1. | 1 | 二 | $\left\lvert\, \begin{aligned} & 11-16 \\ & 19.16\end{aligned}\right.$ | 8． 101.10 | 126 120 | 7.16 7.16 | 3 5 | $\stackrel{5}{5}$ | － | 4 |
| 100 | 2 | 1 | 1 | 4 | 64.10 | 13 | 1 | 二 | 3， 5 －16 | 119.11 | 150 | － X －16 | 5. | 3 |  | 号 |
| $12 \%$ | 2 | 1 | 1 | $5_{4}^{1}$ | 76.10 | 2 | 1 | － | 14．16 | 137 | 140 | K－16 | 31 | 3.3 |  | ${ }^{*}$ |
| 130 | 4 | 1 | 1 | 6 | 82.10 | 4. | 1 | － | 15－16 | 1.3 | 180 | 9.16 | 6 | 4 |  | $\stackrel{1}{2}$ |
| 175 | 4 | 1 | 1 | 行 | 95.10 | ${ }_{4}^{4}$ | 1. | － | 1 | 18 | 180 | 9－16 | 6 | 4 | － | 9 |
| $2(1)$ | 3 | 1 | 1 | $\mathrm{Hit}_{4}$ | 1114－10 | 3 | $1 /$ | － | 11.15 | 2113－10 | 1511 | 10．16 | 6 | 4 | － | d |
| 2.50 | 3 | 1 | 2 | 10 | 12 | $4{ }^{3}$ | 2 | 1 | 12.16 | $2^{2}$ | 210 | 11）－14i | 7 | 5 | － | c |
| 219 | 3 | 1 | 2 | 12 | 139.10 | \％ | 42 | 18 | $15 \cdot 16$ | 25. | 210 | 11.16 | 71 | 5 | － | \％ |
| 550 | 3 | 1 | 2 | 13. | 15 \％ 2111 | 6 | 3 | 13 | 1 4－16 | $22^{2} 1-10$ | 2140 | 11.16 | 72 | 51 |  | 8 |
| 400 | 3 | 1 | $\frac{2}{2}$ | 1.16 | ${ }_{18}^{16} 7810$ | ${ }^{62}$ | 3t | 1. | $\begin{array}{ll}1 & 3.16 \\ 1 & 3.16\end{array}$ | 31 | 271 270 | 12.16 12.16 | 88 | 6 | － | 0 |
| 81010 | 3 | 1 | 4 | 18 | 19 | 8 | 4 | 8 | 17.16 | 372.10 | $2 \% 11$ | 3．3．16 | 9 | ${ }_{7}^{62}$ |  | E |
| （1）0 | 3 | 1 | 4 | 21 | 216010 | 9 | 11 | 4 | I $\mathrm{x}-16$ | 401 | 2711 | 13.16 | 91 | 7 | 4 | 岂 |
| 7109 | 3 | 1 | 2 | 23. | 23 2.610 | 10 | 5 | 21 | ${ }_{1} 19.16$ | 44 | 310 | 1416 | $10^{2}$ | 8 | 3 | － |
| S（6） | 3 | 1 | 2 | 8．5． | $2 ; 2.10$ 269.10 | 104 | 㨞 | \％ | 110.16 111.16 | ${ }^{471} 5140$ | 300 300 | 14.16 1.16 | 10 | 0 | 5 | $\stackrel{5}{6}$ |
| 1，900 | 3 | 1 | 2 | 20 $31{ }^{2}$ | 269.10 $2 \times 6.10$ | 112 | ${ }_{6}^{61}$ | ${ }_{3}^{28}$ | $\begin{array}{ll}1 & 1 \\ 1 & 1.16 \\ 1 & 1216\end{array}$ | 512.10 $551-10$ | 3019 310 | $1.3 \cdot 16$ $15 \cdot 16$ | 10 | 9 | ） 11 | 5 |
| 1，200 | 3 | 1 | 2 | 32 | 301.10 | 1.7 | 64 | 31 | 1 13－16 | 59 1－10 | 300 | $1{ }^{15}$ | 10 | 91 | ${ }_{6}$ | G |
| 1，4109 | 3 | 1 | 2 | 34 | 316.10 | 131 | 6. | 31 | 111－16 | 6，3is | 3109 | 1 | 10 | $10^{2}$ |  | ！ |
| 1，600 | 3 | 1 | 4 | 361 34 | 334.10 | 11 | 7 | 3. | 115.16 | 67. | 300 | $\begin{array}{ll}1 & 1.16\end{array}$ | 11 | 10.4 | ii） | 0 |
|  | 3 | 1 | \％ | 38 | 345.10 | 143 | 7 |  | 2 | 72 | 300 | 1 l 1．18 | 11 | 11 | 7 | d |
| 2， 21010 | 4 | 1 | 2 | 40 | $357+10$ | 1.5 | 3 | 3. | ${ }_{21}^{2} 1.16$ | 762 | 3301 | 14.15 | 11 | 11 |  |  |
| － 2 | 1 | 1 | 28 | 42 | 3 3 39 39 2 | 17 | 81 96 | 4. | 24 4 4 | 813.10 <br> 91 <br> 1.10 | 330 380 | $\begin{array}{ll}1 & 2.15 \\ 1 & 3.16\end{array}$ | 12 | 12 |  |  |

Men．－For atcamers the anchors and cables wilt not be required to exceed in weight and length those of a saling vessel of two－thitrds thele total tonnage．
＊Two of the bower anchors must not he less than the weight vet forth above，but in the third a reduction of 15 per cent．will be ailowel． All anchar stocke muxt be of acknow ledged and approved description．
t Unstudidel closs．link chains of 1 inch in diameter and under，will be admitted as calles，if proved to two－thirds the test requirel for stud chams．But in all such cases a shart length，not less than twelve links，must be tested up to the full straln for stud－link chains．
$\ddagger$ In rases where partles are desirous of using or supplying chalns of amaller size than is set forth above a redueflon will be sllowed ne
 phe subpected to the Admiselty strain for the size for which they are to be subutituted；and，further，that a few links，not less than twelve，io
be seleeted by the tester，shall he provel to the brceking strain，and show a tnargin of at least 10 per cent．beyond the Adiniraliy firoof fur a
chain of the full size required liy the salile．

ANCHOVY
Table showing the corrat proportions and dimen-
sions of an Admirally Anchor.


ANCHOVY (Fr. anelois ; Ital. acciughe ; Lat.
encracicolus). $\Lambda$ small fish (Clupea encrusicolus,
Lin.), common in the $\boldsymbol{A}$ iditer the sprat. Those brought from Gan, resembling, 'Tuscan Sea are esteemed the best Gorgona in the be chosen small, fresh pickled best. They should red within. Their backs should we outside and sardine, a fish which is flatter and larger thand. The anelovy, is frequently substituted forger than the $120,000 \mathrm{lbs}$. were entered for consump for it. About But being then subject to ar consumption in 1852 . 1 b , repealed in 1853 , the imports have ine 10 d . per to $783,419 \mathrm{lbs}$. in 1866 . ANGELICA (Lat, $A$ large umbelliferons plant, with officinalis). A stalks, of which there are with hollow jointed Lrows wild, and is cultivated in moist places. It Landon, and in most European countries from and resinous, have a fragrant are thiek, fleshy, and a bitterish pungent taste, mixeable smeil, pleasant sweetness glowing on mixed with a Tate for a long time after they have been chewed clied, and lhem they must be thoroughly other parts of the plant has stopped bottles. The flavour as the roots, bu in an inferiorste and The leaves and seeds do int an inferior degree. when kept. The London lint retain their virtue sweetinent of the tender stems. The facultse a to direct that none iut $t$ ' st root of She faculty nised should be kept by the dollot of Spanish angeica roots are some imes usec? as iread, In Norway the the stalks are caten wich buter, and in Ieeland is used only in confectionary and the the plant medica. (Lewis's Mut. Med.; Rees's Cyciateria \&.)
A duty of 4 s. per ewt. on ancelica was repaia, in 1845 .
repealed sylvestris) is sometimes substitutedica (Angelica vated variety, which has much substituted for the cultiodour. $\quad$, wheh has much more taste and
ANILINE, formerly called Crystalline A preparation of mauve coal tar, largely used in the colourless oil-like liquid magenta dyes. It is a hot aromatic flavour. The of a strong odour and amiline in 1865 was, however, but 1,9141 . Dictionary of Chemistry; Ure's Dictionary Manut's Manufuctures.)
ANISEL
A small seed ol an anis; Ital. anise; Lat. anisum). in Germany, but the best shape. It is cultivated Germany, but the best ecmes from Alicant in Guide.) Previously

## ANN.ITTO

exported. It is also a product of China, whence it is newly dried, of a matic taste. a good smell, and a sweetish aro$\Lambda$ duty of $5 s$. per ewt. on aniseed was repealed in $184 \bar{j}^{\circ}$. In $1865,0,257$ ewts. were imported,
the exports during thie same ewts. ANISEED STMARS (Fr. badiane; Chinese syn ta hurie and páh-kioh, i.e. eight horns; the broken is fruit of a small eché). This nane is given to the which grows in Fullkien and the lium amisatum, provinces, in Japankien and the Phe neighbouring are prized for their aromatic taste thes. They anise. The name of stomatic taste resembling account of the manner in wpplied to them on poods being in small el in which they grow, the one end and diverging insix formed together at husks have a mere aromatic flavour than the The but are not so sweet. Those which are the seeds, mouldy should be rejected. Thev are bruised or ported to Englaud and the continent ofiefly exThe average value in Chima is 1 anent of Europe. Oil of - Aniseerl (Chinese, páh-kioh-yí) per picul. made by distilling the pods and seeds. A picul of It is put material prodnces about 7 eattics picul of It is put up in tin cases inclosed in wood, and The average export is ape and the United States. and the value 150 dollars 250 piculs annually, in perfumerr, melicine, and per picul. It is used racted from 6th edit. of Dr. Willionary. (Ex.

ANKER. A liquidmeasure at Amsterdam. It ANNATTO or fillons Englis ${ }_{1}$ wine measure. orlean ; Ital. oriana). ARNATTO (Fr. rocon; Ger. of the pulpenveloping thenecies of red dye formed a plant common in the seeds of the bixa orellama, and West Indies; but dye is merica and the East extent, only in the first. It is prepared by mat
water, extracting the seeds, and the pods in boiling to subside ; the fluid seing subd leaving the pulp the residuum, with which subsequently drawn off, up, is placed in shallow on is sometimes mixed in the shade. It is of two sorts gradually dried and roll amatto. The first, which flag or cake, most important article inst, which is by far the view, is furnished almost whollymercial point of is imported in square cakes, weis Cayemme. It 3 los, each, wrapped in banes, weighing 2 ibs, or made, it should be of a bright leaves. When well to the toueh, and of a good consistelow colour, soft a deep but not clurablo eonsistence. It imparts cotton, and is used for orange colour to silk and Roll amatto is principally purpose by the dyers. The rolls are small, noty brought from Brazil. Weight; it is hard, dry, and ceeding 2 oz . or 3 oz . in the outside, and of a beautifnt rect, brownish on The latter is the best of all red colour within. colouring of cheese oft of ingredients for the elusively used for that purpose in and is now exand in some of the continental in all the British cestershire it is the practicental dairies. In Glouto 1 ewt. of chepractice to allow 1 oz. of annatto reckoned sudicienese; in Cheshire, 8 dwts. are genuine, it neither afleets the of 60 lbs . When of cheese or butter. The Spe taste nor the stmell annatto with their choe Spanish Amerieans mix beautiful tint. (Gray's Supploment to the it rives a copeias; Loudon's Ency. of Privotc' Iuformation.) Ency. of Agriculture, and
18s. $8 d$. a ewt., and on duty on flag ammato was duty was then reduced to $1 s$ sorts $5 l$. 12s. The
and to $4 s$. on the latter, and was finally repealed in 1815.

In $1865,3,047$ cwts, were importel chiefly in the form of thag annatto. Of this the greater part came from France. The average valus of roll was $4 l .5 s .$, of tlag 81.33. per cwt.; 722 ists. were exportel.

ANNUITIES. [Jntenest and Anvuities.]
ANTIGUA. [Colony Thabe; St. John's; Sugal. 1

ANTIMONY (Ger. and Dutch spiesglas; Fr. antimoine; Itnl. antimonio; Russ. antimonia; Lat. antimonium). A metal which, when pure, is of a greyish white colour, nud has a good deal of brilliancy, showing a radiated fracture when broken; it is converted by exposure to hent and air into a white oxide, which sublimes in vapours.

It is found in Saxony and the Hartz, also in Cornwall, Spain, France, Mexico, Siberia, the Eastern Islands, and Martaban in L'egn. We are at. present wholly supplied with this metal from Singapore, which reccives it from Borneo.

It is also said to exist in considerable quantities in the province of Victoria, and in Tulare comnty, California. It is found in large quantitics in the territory of Sarawak in Borneo, from which ubout $6,500 l$, worth was exported in 1863.

It is imported in the shape of ore, and commonly as ballast. It is nbout as hard as gold; its specitic hravity is nbout 6.7 ; it is casily reduced to a very fine powder; its tenacity is such that a rod of $\frac{1}{26}$ th of an inch diameter is capable of supporing 10 llbs . weight. Anlimony is used in medicine, and in the composition of metal types fur printing. The ores of antimony are solt, anl vary in colour from light lead to dark lead grey; their specific gravity varics from 4.4 to 6.8 ; they possess a metallic lustre, are brittle. and oceur in the crystallised massive forms. (Thomson's Chemistry, and Private Information.)

The imports into the United Kingdom of antimony in 1863, were, ore of antimony 1,948 tons, crule 1,171 cwts. and regulus $29{ }^{\circ}$ cwts. The value of the whole was about 23,500 . Antimony is also found in Tuscany at i'ereta in the Maremme and also at Castagucto Meceano in the Volterrano. The mines at Percta yielded in 1845 according to lilla $48 \frac{1}{2}$ tons. $A$ swall amount (about 800 quintals) is annually produced in Spain. The production of the French antimony mines amounted in 1858 tr 6,729 quintals, the total value of which was 144,759 francs. The mines from which these supplies were principally drawn were those of Corsica ( 3,750 quintals) and the Department of Cantal ( 2,000 quintals).

ANTOL. A IIungarian wine-measure containing about 116 imp . gallons.
ANTWEKP. The principal seaport of Belginm, lat. $51^{\circ} 13^{\prime} 16^{\prime \prime} \mathrm{N} .$, long. $4^{\circ} 24^{\prime} 10^{\prime \prime}$ E. A large, well-built, and strongly fortified city, on the Scheldt. Pop, in 1861, $114,669$.
I'reviously to its capture by the Spaniards, under Farnese, in $158{ }^{5}$, Antwerp was one of the greatest commercial cities of Enrone; but it suffered much by that event. In 16.18, at the treaty of Westphalia, it was sripulated by Spain anil Holland that the navigation of the Scheldt shonle! he shut up; a stipulation which was observed till the occupation of Relgium by the French, when it was abolished. In 1803, Napoleon 1., who inte" 'ed to make Antwerp a great haval establishment, undertook the construction of docks on a grand scale, for the accommodation of ships of war; and of late yenrs new and convenient docks nod warehouses have been opened for the use of the steamers and other vessels connected with the trade of the port. Down to 1863 the port charges

ANTWERP
of Antwerp were extremely high. This was in consequence of the lelgians having charged themselves with a payment to indeunify the Duteh for consenting to nbolish the duties they had been in the babit of levying out the vessels and goods ascending the Scheldt. To reimburse themselves, the Belgians imposed lieavy tonnage, pilotage, and other duties on vessels entering Antwerp (which has more than three-fourths of the entire shipping trade of the country), Ostent, and other ports, and these, of course, were much objected to by the forcigners on whom they fell. At leagth. aiter a great deal of negotiation, the precelent set in the case of the Solmit Duties was followell ; tho different powers agrecing to pay the lelgian Government certain sums proportioned to the extent of their trade with this city, \&c., stipulating per contra that the tomage duty should be abolished, and the charges for pilotage rednced at from 25 to 30 per cent. ('Treaty of July 16, 1863, Art. 3). And thengh the trade of Antwerp has more recently been accidentally depressed, there can be no doubt that this effectual reluction of the charges on vessels entering her port will powerfully contribute to its advaricement. Our contribution to the purchase, which was much the largest, anounted to $8,782,320 \mathrm{fr}$. Sbips of the largest burden come up to the town, and goods destined for the interior nre forwariled with the greatest facility by means of canals and railways.

From the principal part of the commerce of Belginm carried on by sea centring in Antwerp. it has again become a place of much commercial importance. The great articles of export aro corn, especially wheat; flax, butter, cattle, sheep, and pigs; cast and wrought iron; muskets, fowling-picces, and small nrms, vast quantities of which are producel at Licge; woollen fabrics; linen ditto; clover ant other seeds; coal, spelter, books, \&c.

The great articles of import nre raw cotton, sugar, cotlec, and other colonial products; indigo anit all sorts of dyewools; spices, wine, machinery, rice, ashes, tish, oils, \&c.
Goods may be warchoused in Antwerp, en entrepôt, at the rates of charge specitied in a fixed tariff.

In 1864 the valnes of the imports into lielgium amounted to $688,878,101$ francs, and those of the exports to $596,892,863$ francs. The trade with lingland is the most extensive carried on with Belgium by sea, and next to it that with the Maltic, the United States. France, Hollaml, \&c. The trade of France with Iselginm generally is, however, much greater than that of any other country. But it is principally carried on by land, across the frontier between the two countries. A considerable proportion of the imports into Antwerp not being intended for home consumpti $n$, but for transit to other countries, their amount is cominonly a good deal better than that of the exports.

The value of our imports f:om Ilelgium amounted in 1866 to $7,906,867 \mathrm{l}$., and of the exports of British productions to $2,861,665 \%$. In the same year we exported to lelgium 3;920,908l. value of foreign and colonial merchandise.

Conditions under which Goods are sold.-On goods generally 2 per cent. is allowed for payment in twenty days, and $1 \frac{1}{2}$ per cent. on credit o six weeks or two months. On cottons at twent. lays' credit, 3 per cent. are allowed, and $1 \frac{1}{3}$ ne cent. on a credit of two or three months. Of ashes, hides, and sugar, 3 per cent. for twent days, and $1 \frac{1}{2}$ per cont. for three monthis' credit.

On May 1, 1861, a I'reaty of Commerce an
$\square$

E.tort W-11er:

Navigation was concluded between Irauce and Belgium, securing mutually to each conutry roduced tariff rates mad other concessions. All the advantages thus obtained by France were conceded to Great llritain by our treaty with Belgiom of July 23, 186:3. On November 13 of the same year a cunvention was signed between the two comutries piving to joint stock companies in either of the two conntries the right of appearing before the tribuals of the other. ['Tusaties (Belgium).]

Money, Weights, and Misasures.-The French system of moneys, weights, and measures has been adopted in Belgiun. Formerly accounts were kept in florins, worth 18.8 d. sterling. The quintal formerly in use, and still sometimes referred to, $=103\} \mathrm{llis}$, avoirdupois. In 1837, the Commercial Hauk, a joint-stock association, was founded in Antwerp. It has a capital of $2 \overline{0}, 000,(010)$ fr. ( $1,000,000 /$, sterling), divided into $2.5,0 t 0)$ shares of $1,000 \mathrm{fr}$. each, and transacts all sorts of hanking business. Ilere, also, are two cousiderable intsurance companies. The railway from Antwerp to lirussels, $28 \ddagger$ miles in Iength, hins been signally successful, and has been of great adrantage to both cities, but especially to Antwerp.

Custom-house Regulations.-Capthins of ships arriving at Antwerp, or any of the lielgian poris, must make, within if hours, a declaration in writing of the goods of which their cargo consists, specifying the marks and numbers of the bales, parcels, \&c., their value, according to the current price at the time when the declaration is made, the name of the ship or vessel, as well as that of the captain, aud of the country to which she belougs, \&c.

The following is a pro formn account of port charges at Antwerp, for a vessel measuring 200 tons, under the new system :-


In addition to the above, the following dues are charged, by regulation of July 22, 1863, to vessels using the basins, \&c. :-


These dues are reduced as follows on vessels making more than two voyages in the year-

## 3rd vayage, reduction or one-fourth

\$ih and succeeding voyages, reduction of three-quarters
Stean-vessels lading or discharging in harbour or at the quays will pay per ton, for the lirst ten voysges in one year 22 centimes, for the secund ten voyages 15 centimes, and for each following voyage 10 centimes.
Previously to the abolition of the Scheldt duties, the shipping charges were more than double what they are now.

Entry at Iillo.-(Lillo, the first Belgian custonhouse, opposite Docl.) IIcre the eustom-honse otlicers come on boarl, and the master has to hand them:-

1. A manifest of the cargo, with the exact number of boxes, bales, casks, cases, puckafes, de., with the marks, number and contents as exact as possible.
2. A specification of the provisions, such as salt, beef, pork, breurl, tlour, kroats, peas, fish, butter; wine, brandy, cin, beer, coals, tirewood and planks for dunnage, pigs, canvas, new ropes, iron-ballast, \&e. \&e., also the mumber of the crew.
The vessel then procecals for Antwerp with or without a custon-house ollicer, as may be prescribed.

The enstom-house laws being very severe, every master of a vessel is recommended to be most particular in making this entry; but shonhl it mistake have taken place, or there be gooms in dispute, he should inform his broker at Antwerp on his arrival, so as to be enablel immediately to take the needful steps to ohtain a rectification.
Draft of Water.- On the arrival of a vesse] belure the town, the pilot-boat goes alongside, to ascertain the draft of water in palms or decimeters; it is therefore alvisable for the master or the mate to be present at the hooking, to convince himself of the real alraft of water, according to whiels the sea and river pilotage are settled.

Vessels remaining in the River.-These must ride with two anchors or have a pilot on board, which costs from 4 francs 44 cents. per every twenty-four hours.

Docking the Vessel.-Every vessel must have a Belgiun pilot, to bring her into the dock, as well as going ont. The harbour-master assigns to each vessel her place in the dock, and no hauling can be done without his permission.

Fire and Light.-Vessels lying in the rocks are prohibited to liave fire and light on board, except during the winter season, when permission is usually granted by the potice.

Water Bailiff.-A list contuining the manes of the crew, passengers and their passports, is handed to him on arrival. Sailors are paid oft and ellgaged before this ofiicer, who also orders the arresting of sailors on written demand of the master.

Flug.-On Sundays and holidays it is customary to have the colours hoisted.

Cleanliness.-Lying ulongside the quay, the erew must take care that the place before the vessel be swept every day, and the rubbish put up against the poles, it being forbidden to throw any rubbish into the docks.

Ballast.-Sand ballast is brought alongside in lighters, and costs 2 franes 25 cents. per last of about 2 tons in the dock and 2 franes 10 eents. in the river. The lighters are discharged by the ship's crew or by labourers paid by the master. A tarpanlin or sail must be put between the vessel and the lighter, to prevent the sand from falling into the dock. Discharging ballast into lighters, costs in the dock 1 franc 55 cents. in the river 1 frane 40 cents. per last. Fifteen per cent. additional on all these rates.

Brokerage.-Fixed by law at 75 centimes per ton measurement, which include reporting and clearing at the custom-house.

Survey inucurds.-For the whole time of discharging, a vessel under 100 tons, 12 franes. 100 to 200 tons, 20 francs. 201 to 300 tons, 30 francs. 301 to 400 tons, 45 francs. 401 to 800 tons, 55 franes. 800 to 1,200 tons, 82 franes 25 cents. above 1,200 tons, 110 francs.

Mooring.-Masters must be particular, in mooring
their veasels, to have the chains or hawsers well secured with challing gear so as not to injure the rinays.
Cooking-house rharges.-F'or vessels of all nations under $3 ;$ tons 1 franc, $\mathbf{3 6}$ to 100 tons 2 frances, 101 to 200 tons 3 franes, 201 to 300 tons 4 Iranes, 301 or above 5 franes, all with 15 per cent. additional.

A part of a week is zeckoned ns a whole. Vessels laid up in the dock pay after the tirst 2 monthe only $\frac{1}{3}$ of the tax until they fit out argain.

Cureenin alues.-Vessels of all mations muder 100 tons. rancs per day, 100 to 149 toms 14 rents. per wis a day, 150 to 199 tons 13 rents., 200 to 249 tons 12 cents., 200 to 299 tons 11 ecents., : 100 to 349 tons 10 cents., 350 to 390 tons 9 cents., 100 and above 8 cents, per ton a day.
N.lb-All yessels leaving Antwerp must he provlded with a surveyor's rertificate that they are sata-worthy. When in ballast, this certificate tosts from 6 francs to 18 francs 50 cents, when leaded, from 10 frames to 30 franes, aceoriling to the hurden of the ressel, besides 11 franes 40 cents. for certiticate of tribnnal. I'lie cooking-hunse dinties depend on the size of the ressel, anil mist be paid whether the house he used or not,

About 85 ships of from 11,000 to 12,0001 tons mirilen belong to Antwerp: and from 1,000 to b, 000 passengers arrive manally at the eity by the stemm-packets from lingland.
In 1863, 2,553 vessels of ti08,853 tons arrived at Antwerp; of these, 917 vessels of 236,758 tons were British. The number of vessels which arrived at all the Delgian ports in the same year was 3,893 , the tonnage of which amounted to 712,373 : of these, 597 of 62,525 tons were Belgian ; 1,581 of 281,510 tons liritish; and the remninder Swedish, Frenclb, Dutel, \&e.

The total number of vessels entering from Inclgium into ports of the United Kingrdom in 1 sibif was 2,916 , with a tonnage of $63 \cdot 1,95 t$.
The commerce of Delgium is almont exclusively eonfined to buropean countries; the trade-with those countries being about 95 per cent, of the whole.

Fïsheries,-In 1863 there were $27 \%$ smacks

APPLES
measuring 9,579 tons engaged in the Belgian Fisheries.

\section*{Value of Belgian Imports and Exports in 1863. <br> 

The general condition of Ielgium is singularly prosperous, and her public revenne is almont nuhnally in excess of the expenditure. In additimm to great and well-tleveloped apricultural renources she possesses in her mineral ant metallurgic industries a large somuce of wealth. Of these last we subjoin table eompiled by Mr. Harron, her Majesty's secretary of legation at brussels, from an orisinal sonree, and which exhibits their condition and progress duriug receut years.
Table and Number of the Belgian Mervhant Morinc, 1837-63.

| Verars | Number |  |  | Tonnage |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | S. Veswels | Steamera | Total | Nailing <br> Vesuel: | Stramen | Tutal |
| 1837 | 1.1 | 4 | 15.5 | 21,420 | 1,177 | 23,497 |
| 1438 | 118 | \% | 1.1 | 21, 2137 | 1,OM4 | 4.wis |
| 18,319 | 1.51 | $\stackrel{5}{6}$ | 148 | 24,417 | 1,9588 | 21,40, |
| 1811 1811 | 15.5 1315 | 6 | 161 141 | 21.562 | 1, 1,114 | 24,1210 $23,2,3$ |
| $1 \times 14$ | 11. | 7 | 142 | 21,987 | 4,278 | 27,461 |
| 1813 | 131 | 8 | 1.12 | 21,971 | 5,034 | 27,005 |
| 1841 | 131 | - | - | 22,311 | - |  |
| $1 \times 15$ | 136 | 5 | 1.12 | 23,417 | 1,960 | 25,717 |
| 1816 | 137 | 6 | 143 | 24,796 | 2.160 | 26,4,4.6 |
| $1 \times 17$ | 111 | 3 | 143 | 25,458 | 1,718 | 27,176 |
| 18.18 | 151 | 4 | 15.5 | 24,389 | 1.928 | 31,517 |
| 1819 | 149 | 5 | 154 | 31, 377 | 4,066 | 32, id, 3 |
| 1850 | 1.6 137 | 5 6 | ${ }^{181} 1$ | 33,315 34,416 | 1,601 | 31,919 314,193 |
| $1 \times 2$ | 1.35 | 5 | 160 | 33,700 | 1,312 | 33, 1112 |
| $1 \times .3$ | 1.2 | 3 | 1.57 | 31,375 | 9417 | 35,28\% |
| 1nst | 151 | 7 | 158 | 36, 363 | 1,311 | $3 \times 11147$ |
| 14.55 | 150 | 8 | 158 | 37,9.7 | 3.398 | 43,315 |
| $1 \times 16$ | 141 | 8 | 1.18 | 36,463 | 8,471 | 4x,334 |
| 18.57 | 114 | 6 | 117 | 40,347 | 2,050 | 41,117 |
| 18:5 | 136 | 8 | 112 | 3x,431 | 3,317 | 42,148 |
| 1 sils | 131 | 4 | 135 | 35,632 | 1,559 | 37,191 |
| 1560 | 1118 | 8 | 116 | 94,857 | 4,231 | 33,111 |
| 1 Mril | 103 | 8 | 111 | 87, 4.52 | 4,184 | 31,733 |
| 14tiz | 96 | 7 | 103 | 2.3,663 | 3,204 | 48, 917 |
| 1563 | 91 | 6 | 97 | \%1:3,3.3 | 4,714 | 27.217 |

Comparative Statement of the Minernl and Mctallurgic Produce of Belgium during the following years; in metrical tons of 1,000 hilogrammes, each weighing 36 lbs. less than an Euglish ton.

| Proiluce | $1 \times 51$ | 145: | 18.55 | 1857 | 1859 | $1 \times 611$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Coal - - - $\mathbf{f l o n s ~}_{\text {francs }}$ | $\begin{array}{r} 6,433,517 \\ 49,701,1 \times 1 \end{array}$ | $\begin{aligned} & 7,172687 \\ & 62.192,0119 \end{aligned}$ | $\begin{array}{r} 8,4109,3311 \\ 103,45,3,244 \end{array}$ | $\begin{array}{r} 8,38,3,902 \\ 100,170,58,3 \end{array}$ | $9,160,702$ | $\begin{array}{r} 4.610,89 \prime \\ 107,147,0 \times 5 \end{array}$ |
| lron ore, washed . . \{tons | 3, 36, $2 \times 4$ | 62, 566.277 | 10, 8.515 | 100, fi. 1,903 | 8, $84,3,031$ | - 410 |
| Iron ore, washed * - ${ }^{\text {ramen }}$ | 1,171,157 | (6,296,2013 | 9,429,517 | 6,852,0!1 | 3,215,956 | 7,74, 6 , |
| Pyrites - - - - \{ $\begin{aligned} & \text { tons } \\ & \text { franc }\end{aligned}$ | 76,412 | 7,613 $119 \times 37$ | 1\%1, 6.6197 | 14,681 $16 \% 904$ | 31.942 | $\begin{aligned} & 42,313 \\ & 1,253,109 \end{aligned}$ |
| Mende . . - . tons | 14,183 | 10,540 | 1i),903 | 10.486 | 13,751 | 17,201 |
| Mende " - * france | 4.7, 192 | 809,481 | 562,315 | 74.3,171 | -21,0.37 | 831,463 |
| Calamine - - - $\begin{aligned} & \text { tons } \\ & \text { franes }\end{aligned}$ | 66,043 | 66,152 | 71)364 | 6.5,749 | 56i,53! | 4x,4.57 |
| , franes | 1,856,\% 90 | 5,167,31.5 | 3,132,16.3 | 4,823,592 | 2,803,353 | 2,12, ${ }^{2}, 969$ |
| Cialena, teat ore - - - \{trans | 539,938 | 1,043,054 | 901,923 | 944,410 | 1,440,119 | 1, ¢06, 2 (2x |
| 'l'otal vatue of minerals - franes | 57,i87,473 | 73,528,3.50 | 117871,459 | 113.976.781 | 118,1167,934 | $104,69.3,4.81$ |
| 'Tax on mines - - francs | $\underline{236, t i 99}$ | 220,312 | S12,5\%0 | 665.172 | $5(6,86)$ | 193,211 |
| Iron, east and wrought $\quad$ \{ $\begin{aligned} & \text { fons } \\ & \text { francs }\end{aligned}$ | ${ }_{31,}^{2669,77 \%}$ | ${ }_{5}^{3,99,251}$ | $77,5850,4818$ | 86, $0274,2.39$ | $77,53619,977$ |  |
| Sitel . . . . $\left\{\begin{array}{l}\text { francs } \\ \text { tons }\end{array}\right.$ | 31,350,006 | 55,947, 4.26 | 77,580, ${ }^{418}$ | 86,412,103 | 77,314,947 | ,073, 3 ,178 |
| - * - * \{francs |  | - | 6,3,000) | 1,300,0 0 (1) | 616.1003 | 819 , 481 |
| Laxad - - - $-\left\{\begin{array}{l}\text { tona } \\ \text { franc }\end{array}\right.$ | 638, 1,637 | 2, 2,316 | 2, $\begin{array}{r}2,53 \\ 1,507,3 \times 3\end{array}$ | 3,142 | $4,280,036$ | 1801,153 |
| Copucr - - - \{ \{rans | 638,1137 $7 \% 3$ | 1,165,586 | 1,507,983 | 1,696,79, 916 | 2,280, 2,38 | 1,801,957 |
| Comprer - - - \{rans | 1,187, (14x) |  | 2,740,9.31) | 2,886,000 | 3,790,200 | 2,691,381) |
| Zinc - - - - $\begin{aligned} & \text { tons } \\ & \text { francs }\end{aligned}$ | 28,221 | 47,415 | 29,402 | 54.393 | 41,4.35 | 45,1:57 |
| 2inc - - $\begin{gathered}\text { francs } \\ \text { tong }\end{gathered}$ | 9,707,106 | 14,8t,3,360 | 2.9,5\%5,5\%0 | 21,192,700 | 22,732,970 | 24,534,633 |
| Alum - - - - infianes | 43, 2001 | 190,8041 | 1.15,920 | 571.859 | 1,0413 | 1,172 |
| Glass . - - - francx | 8.145 .3220 | 12, 1 14, 4.610 | 12,749,7100 | 16,191,000 | 17.275,201) | 18,512,010 |
| 'I'ntal mineralurgical produce ions | 51,170,469 | 85,022,4\%\% | 113,367,891 | 153,323,684 | 1\%1,207,878 | 149,699,113 |
| Mineral and mineralurgical toi d valus - - - . frants | 108,857, 0942 | 138,650,772 | 231,239,350 | 217,330,469 | 239,273,816 | 250,292,597 |

APPLES. The fruit of the Pyrus malus, or apples are raised in England, partly for the table apple-tree. It is very exiensively cultivated in most temperate climates.

An immense variety and quantity of excellent and partly for manufacturing into cider. Those employed tor the latter purpose are comparatively harsh and austere. The princlpal cider counties


Kingriom exported to Belgium in each of the Proiluce and .Munufacture of the United


## APPRENTICE

APPRAISER
are Ilereford, Monmouth. (ilourester, Woresster, somerset, and Devon. Mir. Marshall erteals a the produee of the Wirst four at supposed to supply year, of which Horesxter probably much greater. 10,000 ; but it is now may be expected, in orlalf a horfacmil of seasons, from ench tree in an dinarily faventatione the number of trees on orchard in fill hearing. 10 . 0 , so thant the quantity an arre varies from 10 to same proportion, that is of ciler mist vary in the shme produce is, however. from oto 20 hugstinats. grool (rop) seldom occurs vory thictuating; and a goo (houdon's Eucy. of

Syrienture, se.)
lienites the immecne che talle, farge sppplies of apper, and other fureign apples. In daty, which had previously been an ad bushel on one of 5 per cent., Was lixed at bed. per bushes; and in raw, and 2s. por hastel on driced aped to $3 d$. per pinis the duties were further rede on dried apples. bushel on raw, and is. per has. During 1865 the This duty is now repon anounted to 515,732 entries for consumptis produced in the visinity of bushels. The appes pally admitted to be the finest New York are uless selected and packed with care, of any ; but unlopt to spoil before reaching Engthey are very apt of apples from the United States land. The expor ended June 30, 1864, amounted during the year chathed at 487,140 dollars. Of
 these, 50,606 barress fors the United Kingdom. (P'upers lasid before Comgress.)
Pupers insthe 1 by the 13 \& 14 Vict. c. 97 ,
APlibatson except a licensed nuctioneer, who erery hire esercises the oceupation on an must take to value property, repairs mad labur, must take. cut an annual tos. hict
tor nun-compliance. Apprisers omitting onade by them, with the fighres every valuaner huly stamped, and within 14 fim amoniver the same to their empon may pay subject to a penalty of 501 . No person the same be for or reccive an appraisement on penalty ot a tine written on stamped paper under pen for the whole of 201 . One stamp only is requt received in $1 \times(6)-6$ appraisement. The anoumt in the United Kingfur appraikers

Alpllintlice. A person of either sex, bound
AP Plikn te some particular individuals, by indenture of individuals, for a specitied time, in order to be instructed in some ars, science, tery, or trade. to the common 1. w of England, According to the eomer a right to employ himself at preaeversine cery lawful trade. But this sound prinsuple was almost eutirely subverted by of Quecn passed in the fifth year of the reign of Apbilizabeth, commonly called the no person shouhl, prenticeship. It enneted that no prait, or mystery, for the future, exercise any in England and Wales, at that time exercised in served to it an apprenunless he had previussy seried so that whit had ticeship of seven years of a few corporations, bebefore been a bere-lan statute law of the kinglom. came the general and statute la of were nlways Juckily, however, the courive effect to the prosingularly disinclined to give the rules which they visions of this statate, interpretation served matcrially established for its interpres operation. lyut though to mitigate its injurious operen., it was conits impolicy had been long apparent, it by the 54 to mits impolicy had been lon it was repealed by the 54
tinued till 1814, when it
Geo. III. c. 36 . This Act did not interfere with any
may le) to which the boy or his parent or parents is or are chargeable at the time of his beligg apprenticed:
4. All indentures minde in any union may be aned upon by the guardlans of the unint or bersons baving the anthority of guarilian. therein for the time being, by their name of otlice, and actions brought by them unon such indentures shall not abate by reason of cleath or ehange in the persons holding the olfice: but no stuch action shall be commenced without the consent of the Irish l'oor Law Comnilssioners:
b. The amount of the costs incurred in any such action, and not recovered from the defondant therein, nay be charged $\quad$ non the union or electoral division (as the case may be) to which the boy or his parent or !r rents was or were chargeable at the time of his being apprentices
AQUA FOltTIS. (Intis 'Nitric Acid).]
AldUAMAl:INE. [1"aria]
A(QUA VITA (Ger, aquavit; Fr, eat de vie; Ital. acqua vite; Span. agua de vide; liuss, wodkn; Lat. aqua vitie). A name familiarly applied to all native distilled spirits; equivalent to the cau de vie, or brandy, of the French, the whisky of the Scotch and Irish, the geneva of the Duteh, $\mathbb{N}$. . In this way it is used in the excise laws relating to the alistilleries.

AIRANGOES. A species of beads made of rongh cornelian.
'Tbey are of various forms, as las:el, bell, round, \&ce, and all drilled. The barrel-sha. ed kind cut from the best stones, are from two to chrce inclises long, and should be chosen as clear as possible, whether red or white, having a good polish and free from tlaw The bell-shaped are from one to two inelies long, being in all respeets inferior. Considerable quantities were formerly imported from Bombay, for re-exportation to Africa; but sinee the abolition of the slave trade, the imports alld exports of arangees are comparatively tritling. (Milburn's Orient. Com.)

ARCIIANGEL. 'T'he principal commercial city of the north of Russia, in lat. $61^{\circ} 32^{\prime} 8^{\prime \prime}$ N., long. $40^{\circ} 33^{\prime} \mathrm{E}$. , on the right bank of the Dwina, about 35 Jinglish miles above where it falls into the White Sea. The growth of tho town is steady. The harbour is at the island of Sollenbole, about a mile from the towil. The bar at the mouth of the Dwina has from 13 to 141 fect water; so that ships drawing more than this depth must be partially loaded rutside the bar from lighters. The Dwina leeing a navigablo river, traversing a great extent of country, and connected by cannls with the Wolga on the one hand, and the Neva on the other, Arehangel is a considerable entrepôt. It was discovered in 1554 , by the famous Lichard Chancellor, the compauion of Sir Hugh Willonghby in his voyage of discovery; and from that period down to the foundation of letersburg, was the only port in the Russian empire accessible to foreiguers. Though it has lest its aneient importance, it still enjoys a pretty extensive contmerce. The principal articles of export are wheat mud onts, rye and rye-tlour, tallow, Hax, hemp, timber, linseed, potash, mats, tar, \&c. Deals from Archangel, and Onega in the vicinity of Archaugel, are considered superior to those from the Haltic. Hemp not se good as at Riga, but proportionally cheaper. Tallow is alse inferior. Iron, which is sometimes exported, same as at Petersburg, sometimes cheaper and sometimes dearer. 'Ihe quality of the wheat exported from Archangel is alout equal to that from Petersburg. The imports, which are not very extensive, con-
sist principally of augar, coffee, surices, salt, woollens, handware, \&c.
The following Tables exhbit the prinelpal fentures of the trade of Archangel. Its most inportant trade is, as wall be seen, with this country:

J"alue of Ficjorts from Archangul.


Whereof to Great Ilritain-


These amomis sepresent the ollicial values (hased on the market value) with the addition of shipping eharges.
The quantities of the priucipal exports in each of same years, distinguixhing the yuantithes shipped to (irent l3ritain, in 1863, were as follow :-

| Arilcles | 18\% | 1840 | 1861 | 1861 | 1865 | Aireat <br> 13ritain 15kis |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.inseed - grs. | s6,710 | 60,119 | 61,197 | 57,06.5 | 8,6880 | , $6 \times 1$ |
| Oats * " | 25x, 3.58 |  | 235,819 | 197, 113 | 89,219 | 84,920 |
| Hyb. - ${ }^{\text {H }}$ | $\mathrm{SH}_{4}(\mathrm{O} 21$ | 91,363 | 164, ${ }^{2}$ | 41.129 | 1,981 |  |
| TYheat - . | 14,54t | 3 | 3,177 | 4,993 | - |  |
|  | 4, 168 | 1,113 3.598 | 4,918 4,951 | 6,24.5 | 4,131 |  |
| Flaz tow - " | $8,1 \mathrm{Cl} 3$ | 5, 215 | 4,907 | 4,111 | 4,432 | 3,475 |
| l'rain nil - " | \%99 | 723 | 569 | 246 | 701 | 80 |
| 'Tallow ${ }^{\text {lye Flour }}$ | 199 N, 542 | 6,135 |  |  | 688 | 31 |
| Hye Flour brits |  | 6,1334 | (8,967 | 115,381 | 6,010 | 120,905 |
| l'itch - " | 4,799 | 9,146 | 7,169 |  | 11,371 | 4,184 |
| Nats - plecem | 184,747 | 318.011 | 525,415 | 785,244 | 307,55 | 24,3,124 |
| Deals stu. hund. | 4,045 | 7,90, | 7,043 | $1.3,294$ | 10,45s | 8,710 |

Table of" Shipping cleared at the Port of Archangel and including cousters.

| Years | Total |  | Total of British |  | IJritish In Indirect 'I'rade |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nunster of Viesuls | Tonnafe | Number of Vexsels | Tonnoge | Number ut Vessels | Tonnage |
| 18,9 <br> 180 <br> 1861 | 537 | 102,436 $86,4 \times 9$ | 202 191 |  | $1{ }^{3}$ | 1,194 |
| 1860 | 411 | 86,489 | $191$ | - (1), 4,18 | 10 | 2,120, |
| ${ }_{1861}^{186 i z}$ | 847 816 |  | 4511 217 | 43,78.2 | 41 | 1,1887 <br> 1,1045 |
| 1969 | 816 | (68, ${ }^{110}$ | 187 | T5, $9 \times 9$ | \% | +919 |

Imports into Archangel.

| Aricies | 18,59 | 1860 | 1861 | 1862 | 1865 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 25.3 | $32$ | 05 | 析 |
| Cotree : | 2,13 | 453 | 2,102 | 3, ${ }^{2,26}$ | 2, 2,340 |
| , | 2,514 | 4,123 | 2,3,3 |  | 2,2,43 |
| tad | \% |  |  | . 717 | 4 |
| Oii | 2,25 | 3,209 | 3,143 | 3, ${ }^{3}$ | 3,449 |
| Salt | 2, | 1,2 | 1,677 | 3,919 | , 10 |
| Winge - | 3 3, |  | 3,17 | 68 | 5,141 |
| Champagne - | 44.5 |  |  | 12 |  |
|  | 8,0.3. | 3,731 | -6,377 <br> 51,257 | 31,375 | 5,371 |
|  | 34,751 | 36,478 | $\begin{array}{r}31,2.57 \\ 353 \\ \hline\end{array}$ | 31,375 <br> 754 <br> 4 | 4, 1,68 |
| Machinery | 226 | $86^{82}$ | 915 | 4,037 | 6,094 |
| n |  | 二 | 1,161 |  |  |
| ther good | 6,1.34 | 3,468 | 3,1,192 | 3,097 | 2,946 |
| Total - |  |  |  | Wi, 5109 20, 107 |  |

Highest and louest rates of Freight to Great Britain in 1863.


Bank.-There is a branch of the Imperial Bank of Russia nt Arehangel. Exporters generally pay cash for produce. The money is gencralli- obtained from the Arehangel bank on bills drawn on St. Petersburg at 40 days' date. The discount charged on these bills is $1 \frac{1}{8}$ per cent. (equal
to $10 \frac{1}{2}$ per cent. per annum). Sums payable at inland places have to be sent by post musuzed for 4 per cent. Lates of Exchange, same as at St. P'etersburg.

Lighthonses.-A lighthouse was erected in 1864 at sivatoi Noss, lat. $68^{\circ} 9^{\prime} 50^{\prime \prime} \mathrm{N}$., long. $39^{\circ} 47^{\prime} 40^{\prime \prime}$ E. Fixed white light, visible 20 miles; the light is kept burniug from August 1 to November 1. The lighthouse for the port of Arehangel is at Mondinga, near the Berezoy bar at the entranee of the principal channel of the Dwina on the W. coast of Moudinga Island, lat. $6.4^{\circ} 55^{\prime} 30^{\prime \prime}$ N., long. $10^{\circ} 16^{\prime} 0^{\prime \prime} \mathrm{E}$. Fixed white light. Archangel pilots are to he found here: they meet veseds 4 niles outside the shoals of the bar.

Telegraphs.-There is a telegraphic communieation between Archangel and St. Petersburg and from thence to London. A message of 20 words, including address and signature, to London costs 6 roubles 83 copecs, equal to about 11 . sterling.
[Principally derived from Mr. Renny's excellent Consular Reports.]

The trade of Arclangel is much influenced by the demand from the more sontherly parts of Europe, and especially from England, for corn. When a brisk demand is anticipated, oats are brought in large quantities from the interior, sometimes even from a distance of 1,500 miles, in covered barks capable of lolding several hundred quarters. But as there are few extensive mercantile establishments here, the supplies are scanty, except when a large demand is expected for some time previously to the season for bringing them down. (Oddy's Earopean Commerce, and pricate iuformation.)

Moneys, Weights, and Mensures, same as at Petersnurg.
ARCHIL. [Onchemida.]
ARECA PALM (Areci catechu). [Betel Leaf; Betel Nut.]
ABGOL, ARG.LL, of TARTAR (Ger. weinstein; Dutch wynsteen; Fr. tartré; Ital., Span., and lort. tartaro; Russ. winnui kamen; Lat. tartarus). A hard crust formed on the sides of the vessels in which wine has been dept; it is red or white according to the colour of the wine, and is otherwise impure. On being purified, it is termed crectu or crystals of tartar. It consists principally of bitartrate of potash.
White argol is preferabie to red, as containing less drossy or eartlyy matter. The marks of good argol of either kind are, its being thick, brittle, herd, brilliant, and little earthy. That brought from Bologna is reckoned the best, and fetches the highest price. Argol is of considerable use among lyers, as serving to dispose the stuffs to take their colours the better. P'ure argol, or cream of tartar, is extensively used in medicine. It has an acid and rather impleasant taste. It is very brittle, and easily reduced to powder: specific gravity $10 \%$.
The duty on argol, of $6 d$. per cwt., was repealed in 18.5 .
The imports and exports of argol in 1866 amounted to 18,250 cwts., of the value of 57,967 .
Argol is chiefly prodesed in France, from which country there were exported in 1863, 2,636,852 kilos. i lued at 3,410,797 francs.

ARIsTOLOCIIIA (Fr. serpentaire; Ger. schlangenwurzel; Ital. serpentatia; Lat. aristolochia serpentaria). The dried rout of Virginia snake-root, or birthwort: it is small, light and bushy, consisting of a number of fibres matted $f$ gether, sprung from one common head, of a brownish colour on the outside, and pale or yellow within. It has an aromatic smell something like that of valcrian, but more agreeable: and a warm, litterish,
pungent taste, very much resembling camphor.(Ency, Metrop.)

ARMS. [Fint-anms.]
ALRACK or RACK (Fr. arac; Ger. arrack, rack; Dutch arak, rak; Ital. araco: Span. arak; Port. araco ; Russ. arak), a spirituous liquor mamifactured at different places in the East.
Aratack is a term applied in most parts of India, and the Indian islauds, to designate every sort of spirituous liquor; a circumstance which accounts for the discrepancy in the statements as to the materials used in making it, and the mode of its manufacture. The arrack of Gon and Batavia is in high estimation; that of Columbo or Ceylon has been said to be inferior to the former; but this is doubtful. Goa and Columbo arrack is invariably made from the vegetable juice toddy, which flows by incision from the cocoa-unt tree (Kocas nucifera). After the juice is fermented, it is distilled and rectified. It usualy yields about an eighth part of pure spirit. Batavia or Java arrack is obtained by distillation from molasses and rice, with only a small admixture of toddy. When well prepared, arrack is clear and transparent; generally, however, it is slightly straw-coloured. Its flavour is peculiar; but it differs considerably, no doubt, in consequence of the various articles of which it is prepared, and the unequal care taken in its manuficture. In England, arrack is seldor used except to give flayour to punch; formerly the imports were quite inconsiderable; but they bave recently been a good deal greater, though as they are mixed up in the official returns with rum from India, it is impossible to state their exact amount. In the Fast its consumption is immense. It is issued to the soldiers in India as part of the established rations; and it is supplied, instead of rum, to the seamen of the royal navy employed in the Indian seas. It is one of the principal products of Ceylon. It is sold in Ceylon by the legger of 150 , and in Java by the legger of 160 gallons. The duty on arrack, \&c. is 10 s. 5 d . per gallon.
Its average value in Ceylon varies from 12I: to 8l. pier legger, but it fell to 61.10 s . in 1862. The exports of arrack from Java were in 1859, 12,673 leggers, valued at about 49,0001.; the principal exports were to Holland; it is subject to an export duty of 6 per cent. unless exported in Dutels ships, when it is free.

Parial-arrack is a phrase used to designate a spirit distilled in the peninsula of India, which is said to be often rendered unwholesome by an aitmixture of ganga (Cannabis sativa), and a species of Datura, in the yiew of increasing its intoxicating power. But it is not clear whether the term pariall-arrack be meant to imply that it is an iuferior spirit, or an alulterated corapound. This liquor is sometimes distilled from cocoa-nut toddy, and sometimes from a mixture of jaggery, water, and the barks of various trees. (Milburn's Oriental Com.; Mr. Marshall's valuable Essay on the Cueoa-Nut Tree, p. 18.)
ARROBA. A Spanish and Portuguese measure of weight and capacity. It is still in general use in Spain and Portugal and in the Central and South American Republics. The standard Spanish arroba for wine is 981 cubic inches or 3.54 gallons, and fur oil 771 cubic inches or $2 \cdot 78$ gallons. The Spauish arroba of weight equals 25.36 lbs . avoirl., and the Portuguese 32.38 lbs . The Central American and Hungary arroba equals 25.35 lbs. avoirch. ; that of Brazil $\mathbf{j} 238 \mathrm{lbs}$. The weight arroba of Chili equals $2 \bar{\circ} \cdot 36 \mathrm{lbs}$., and the liquid arroba 6.70 Imp . gallons.

ARROW-ROOT. The pith or starch of the root Maranta armulimafer. It has reecived its common name from its being supposed to be an
antidot
The pon
It is ree
it is of
the star
South
into the
portant
of arrow. phred in Instifolia coast, wh as to be it has lo arundi.ia to Ceylos where art munufict meal of I stitute for Imports cwts., of Large edulis) or lund and 1 Brisbane. white arro best kinds arrow-root sent in th abundant s The extens tlours of 1 check any arrow-root.
ARSENI
Span, arsen
This metal that of stee lias no sensi it emits a characterist bodies, and to a very fin Its specific try.) Arsen and South
Metallic not, therefor the purpose arseuic of co acid of chen substance, g has an acric ish impress metallic st animal sys virulent poi times adul gypsum ; tl small portio arsenic is there be an of all the arsenic, or judiciously also used fo prineipally
White ar
ration of $v a$ gums used employed i
lain, a smal
$a$ larger Dictionary

ARTIHI
blumen; $\mathbf{L}$
antilote to the prisoned arrows of the Indians. The powder is prepared from roots of a year ohl. It is reckoned a very wholesome, nutritious food; it is often adulterated, when in the shops, with the starch or flour of potatoes. It is a native of South America; but has been long introduced into the West Indies, where it forms a pretty inportant article of cultivation. An excellent kind of arrow-root, if it may be so called, is now prepared in India from the root of the Curcume anyustifisio. The plant is abumdant on the Malabar cuast, where the powder is made in such quantities as to be a consilleralite object of trade. Some of it has been brought to Euglanl. The Maranta arundi,acea has been carried from the West lndies to Ceylon, where it thrives extremely well, ant where arrow-root of the finest quality lias been manufactured from it. A very tinely prepared meal of Indian corn is now largely nsed as a substitute for this ingrelient. (Ainslie's Mat. Indict.)
Imports, \&c., of arrow-root in 1864, were 15,440 cwts., of the valne of 41,6611 .
Large quantities of Cauna arrow-root (Cuna edulis) or 'tous les mois' are produced in Queenslant and manufactured in the neighbourhood of Brisbane. Queensland also produces the true white arrow-root of a quality fully equal to the lest kinds of Bermuda arrow-root. The canna arrow-root is of comparatively little value at present in the English market on accomnt of the abundaut supply. (Jury Report, Exhibition 1862.) The extensive consumption of the fineiy-prepared flours of maize, no doubt, tends considerably to check any great progress in the consumption of arrow-root.
ARSENIC (Ger. arsenik; Fr. arsenie; Ital, and Span, arsenico ; Russ, milschjah; Lat, arsenicum). This metal has a bluish white colour not mnlike that of steel, and a good teal of brillianey. It has no sensible smell while cold, but when lieated it emits a strong odour of garlic, which is very characteristic. It is the softest of all the metallic bodies, and so brittle that it may easily be reduced to a very fine powder by trituration in a mortar. Its specitic gravity is 5.76. (Thomson's Chemistry.) Arsenic is chiefly obtained from Comwall and South Wales.
Metallic arsenic is not used in the arts, and is not, therefore, extracted from the ore, except for the purposes of experiment or curiosity. The arsenic of commerce is the white oxide, or arsenious acid of chemists. It is a white, brittle, compact substance, of a glassy appearance; is inodorons; has an acrid tast e, leaving on the tongue a sweetish impression: and is lighly corrosive. In its metallic state arsenic exerts no action on the auimal system; but when oxidised, it is a mest virulent poison. The arsenic of the shops is sometimes adulterated with white sand, chalk, or gypsum ; the fraud may be deteeted by heating a small portion of the suspected powder; when the arsenic is dissipated, leaving the impurities, if there be any, behind. Thongh the most violent of all the mineral poisons, the white oxide of arsenic, or the arsenic of the shops, is yet, when judiciously ndministered, of great efficaey. It is also used for varions purposes in the arts. It is principally imported from Saxony and Bohemia.

White arsenic is extensively used in the preparation of various pigments, and also in the mineral gums usel by paper-stainers and others. It is employed in the manufacture of glass and poreelain, a small portion making the glass transparent, $\AA$ larger quantity opaleseent. (IIrnt's Ure's Dictionary of Arts, \&c.)

ARTIFICLAL FLOWERS (Ger. klinstliehe blumen; Dutch, kunstbloemen; Swel. blommor
artificiella; Dau. kumst blomster; Fr. flewrs artificielles; Ital. ficri tinti or contrufatti; Spinn. flores de mano; Chinese, chí-hwa). Artilicial flowers are mado from feathers, shells, papers, insects' wiugs, cambric, de. Their manufacture forms an important brauch of industry, particularly in France and the United Kingtom. 'this manufacture is of very aneient date. According to lliny, they were used in Lome 330 years n.c., and they are said to have been known to the Chinese in the third century. In Spain ant Italy they were mate at a very carly period from sith; cambrie, and gauze, and are reported to lave been introluced from the latter comutry into France towards the end of the 15 th century, when the manufacture was carriel on et Lyons, and snbsequently at Paris. Such flowers however appear to have been used not for persomal, but fur church ndoruments. The real progress of the manufacture in France began in the last century: In 1738 Seguin de Mendes at Paris commencel the manufacture of artificial flowers of a natural charaeter, and in 1770 a Swiss improved it. Sine that period the trate has been censtantly developed and is fast progressing. The value of the artificial tlowers produced in Paris in 1847 was upwarts of $11,000,000$ francs, and in 1858 was estimated at $16,000,000$ francs.
In the former period there were 622 mamfaturers empluying 6,153 hands, of whom the larger proportion were women, at an average rate of wages of 3 francs 77 cents. for the men and 1 frame 94 cents. for the women. In 1860 the number of manufacturers in Paris was altogether 1.317, and the value of their productions $28,082,013$ francs. The number of hands employed was 7,831 . Average rate of wages for men 3 francs 75 cents., for women 2 francs 50 cents. The amual production of artificial flowers in the French provinces is estimated at about $1,000,000$ francs.
The following table exhibits the declared valnes of the exports of this article from France:-


The manufacture of artilicial flowers in Great Britain is carried on primeipally in the metropolis.
Exports of Artificial Flowers from Francs in 18G4.

|  |  |  | ir. |
| :---: | :---: | :---: | :---: |
| Belsium | 166, | - $\times$ xico | 37.93 |
| tireat Mritaht | 4,242, | ,acil | 50, ${ }^{\text {a }}$ S |
| Spain | 101,9\%1 | l'eru | 51,156 |
| Italy | 160,459 | Other countrics | 2:3,0.0, |
| Switzerlan | 173,163 |  |  |

ASAFEETDA (Ger. tenfelsdrech. stinkasant ; Duteh, duivelsdreck; Fr. assa-fetira; Sp, astifetida; Lat. asa-foetida; Arab. l:iltect; l'ers. nugoozen). A gum resin, consisting of the inspissated juice of a large umbelliferous plant, the Narthex asafoctida. It is produced in the southern provinces of Persia, and in the territory of sinde, or country lying at the month of the ludus, tlourishing abundantly in the momntainous provinces of Laar and khorassau. It is exportel from the Persian Gialf to Bombay and Cafeutta, whence it is sent to Europe. It has a nanscons, somewhat bitter, biting taste, and an excessivel. strong, foctid, alliaceous smell : the newer it is, it possesses its smell and other peculiar properties in the greater perfect:on. It is imported, packed in

## AUCTION

irrecular masses, in mats, cas'.s, and cases; the last being in general the best. It shonld be clousen clean, fresh, stroug-scented, of a pale redelish colour, variegated with a number of tine, white tears: when broken, it should somewhat resemble marble in appearance; and, after being expuseld to the air, should turn of a violet red coleur. That which is soft, black, and foul, should he rejected. The packages should be carefully examined, and ought to be tight to prevent the smell from injuring any other artiele. The imports are at present so trivial, that they are not distinguished separately in the returns of impurts and exports. Jere, indecl, it is only used in the Materia Medica; but in Jrance, it is used both in that way, and to some extent also as a condiment. It is worth in the London market from 12s. to 41. per cwt.
In ludia the price of asafictida is about 2s. per pound.

Asill (COMMON). The Fraxinus excelsior of botanists, a furest tree of which there are many varieties. It is abundant in England, and is of the greatest utility.
The ash is of very rapid growth; and, unlike most other trees, its value is rather increased than diminished by this circumstance. Like the chestnut, the wood of yommg trees is most esteemed. Jt grows on a great variety of soils, but is best where the growth has beer most vigorous. It is
ferior to the oak in stiffness, and is more easily split; but in toughness and elasticity it is far superior to the oak, or to any other species of timber. Hence its nuiversal empleyment in all those parts of machinery which have to sustain sudden shocks, such as the circumference, teeth, and spokes of wheels, slip-blocks, \&.e., and in the manufacture of arricultural implements; in the latter it is employed almost exclusively. So important indeed is the use of ash in these implements, and so large has been the development of this branch of manufnetaring industry, that the price of ash timber has more than doubled during the last ten or fifteen years. The want of prolonged ciuability is its greatest defect; and it is too flexible to be employel in builling. The wood of old trees is of a dark brown colour, sometimes beantifully figuren; the whei of young trees is brownish white, with a slade of green. The texture is alternately compact and poosous: where the growth has been vigorous, the compact part of th.. inepral layers bears a greater proportion to the : rage and the timber is comparatively tough, "Man' ic: iturable. It has neither taste nor sme: . $\therefore$ " when young, is difficult to work. ('ircuen. II aciples of Carpentry.)
ASII: (r. velasse; Ger. wallasche; Dutch, weedas; 13.n. veedaske; Ital. feccia bruciata; Span, alumbre de hez; Rinss. weidaseh; Lat. cineres infectorii). The residuum or earthy part of any substance after it has been burnt. In Commerce, the term is applied to the ashes of vegetable sulstances; from which are extracted the alkaline salts called Bami ea, Kelip, l'eamlasil, Pomasif, de.

Asplialtum. [Bitumen.]
ASSBiTS. In Commerce, a term used to designate the stock in trade, and the entire pro jurty of all sorts, belonging to a merchant or to a trading association. It is also applied to goods or property phiced, for the discharge of some particular trust or obligation, in the hands of exccutors, assignces, \&c. [BANkRertcy.]
ASSIENTO. A Spamish word signifying a contract. In commercial history, it means the contract or agreement by which the Spmish government celled first to a company of Frencli,
and afterwards (by the treaty of Utrecht) to a co:npany of Euglish merchans, the right to import, under certain conditions, a specified number of slaves into the Spanish colonies. (For frill particulars with respect to this contract, see Mr. Bandinel's valuable work on the Slave Trade.)

ASSIGNiLE. A person appointed by comptent authority to do, act, or transact some business, or exercise some particular privilege or power, for or on account of some specified individual or individuals.
Assignees may be created by deed, or by law : by deed, where the lessee of a farm nasigns the same to another; by law, where the law makes an assignec, without any appointment of the person entitled, as an executor is assignee in law to the testator, and administrator to an intestate. The term is most commenly applied to the official assignees appointed to manage bankrupt estates. [Banknult.]
ASSIZE: [Bread.]
ASSURANCE. [lnsumance.]
ATOCILA GRASS. A name sometimes given to Esparto Fibre.
AUCKLAND. The principal town and seat of government in the British colony of New Zealand. Population in 1861. 7,989.
The colony of New Zealand consists of three islands, called New Ulster, New Mnnster, and New Leinster. The islands lie between $34^{\circ}$ and $48^{\circ} \mathrm{S}$. latitude, and $166^{\circ}$ and $179^{\circ} \mathrm{E}$. longitude. They were discovered and partially explored by Tasman in 1642, and still more fully by Cook in 17 7 I. The first settlement of New Zcaland took place in 1814; the colony was constituted iu 1839; and gifted with a separate constitution in 1840.

The chief exports of New Zeal:nd are gold and gold dust, wool, and Kowrie gum. In the three years 1863-5, the value of gold and specie exportel amounted to $2,529,4791$., $2,081,347 I_{\text {. }}$, and $2,293,017 \mathrm{l}$; oi wool to $830,2951 ., 1,070,397 \mathrm{l}$., $1,141,7611$. The totnl exports were $3,485,4051$., $3,401,667$ l., $3,713,2181$. The imports during the same years were 7,024,674l., 7,000,655l., $5,594,977 l$.; the chief articles being ilrapery, wines and spirits, and provisions. Of these quantities $2,197,473 l$., $2,071,2291$., and $1,720,5871$. represent British trade.
The tonnage of Anckland in 1865 was 13,094 , the vessels registered in the port 300 , and the imports and exports of the town were in the same year $1,842,4162$., and 234,4101 . The imports and exports of Otago, or Dunedin, are far larger; but this town is situated in the goid district.
AUCTION. A public sale of goods to the highest bidder. Auctions are generally notified by advertisement, and are held in some open place. The biddings may be made either by parties present, or by the auctioneer under authority given to him: the sale is usually terminated by the fall of a hammer.
The duties on property sold by auction were repealed in the year 1845.
The anction duties, which were first imposed in 1777, consisted of duties proportioned to its value, charged on certain descriptions of property when soli ly anetion. They amounted to $7 d$. per pound sterling on the value of estates, houses, annuities, shares in public companies, ships, funds, and some other articles; and to 1s. per pound on the value of household furniture, books, horses, earriages, and all other gools and chattels. The exemptions were, however, very numerous, comprising varions descriptions of movalile property, with all sorts of property sold by order of the court: of chancery and exehequer, or lor beltoof of eredite.s, or under distress for rent, de.

Account

England .
Fothand: Trotand :
Year ended Jana Encland England : 1retand : Yearand Ear endet Janu England Sopinand
Ireland Ireland. Tear ended Januas

## AUCTIONE

 by auction. It of sale, to ilecla terminate the to the highest lawfully author -ontract for him And his wricin bidder in lis bou person for who eren though sue alo not object be visions with resp n the 8 Viet. c . Every auctione newable anmally be charged $10 l$. Kinglom in 1865 The statute the Auction License It shall not be $n$ any goods or chat cases hereinafter license by this $A$ selling any goods distress fur nonpay i Gount than 201.: Geo. IV. c. 48, 6 ot in Scotland the Jurisdiction and the Civil Bill Court Wm. IV. $f$ i Vict. amend the Laws for ly Civil bill in Ire the Act 7 Wm .1 V . Debts in the more $e$ Esrablin the Sheriff Small Debt Canses or under authority of parliament now in exemption as by the proper officer of cot of such court to seal t anction, without 'akin ns an anctioneer, provi process is enforced is 1 - Geo. IV. c. 81s. Gicerse to be sufficient. Cising IV. c. 81 as enact. cising or carrying on tl auctioneer or selling an tenements, or hereditan and above any license to anwetionecr, take out sue nw to deal in or retaiAccount of the Produce of the Auction Duties in each of the 3 years endiag the 5th of January, 1843, distinguishing the Amount paid under separate Heads.


AUCTIONEER. A person who condints sales | sell, any goods or commodities, for the dealiug in by auction. It is his duty to state the couditions of sale, to declare the respective biddings, and to terminate the sale by knocking down the thing sold to the highest lidder. An auctioneer is held to be lawfully authorised by the purchaser to sign a contract for him, whether it le for lands or gools. And his wricing down the name of the highest bidder in his book is sufficient to hinul any other person for whom the highest bidder purchased even though sueh person be present, provided he do not object before entry. The followint provisions with respect to anctioncers are embodied in the 8 Viet. e. 15.

Every auetioneer must take out a license (renewable annually on Juty 5 ), for which he is to be charged 10l. The duty collected in the United Kingdom in 1865-6 anountel to 49,0801 .
The statute then goes on to enact-
Auction License not neccssnry in certain Cases.It shall not be necessary for any person selling any goods or ehattels by auction in any of the cases hercinafter mentioncd to take out the license by this Aet required, viz. any person selliug any goods or chattels by auction under a distress for nonpayment of rent or tithes to less amount than 201: : or under authority of the Act (f Gico. IV, e. 48, 'For the Recovery of Small Debts in Scotland ;' or under authority of the Act $6 \& 7 \mathrm{Wm}$. IV. e. 75 , intituled 'An Act to extend the Juristiction and regulate the Proceedings of the Civil Bill Courts in Ireiand, and the Act 7 Wm. IV. 8 i Vict, c. 43 , intituled ${ }^{\text {i }}$ An Act to amend the Laws for the Recovery of Small Debts ly Cisil Bill in Ireland;' or under authority of the Aet 7 Wm . IV. \& 1 Viet. e. 41, intituled 'An Aet for the more effectual. Recovery of Small Debts in the Sheriff Courts, and for regulating the Establishmeat of Circuit Courts for the Trial of Small Debt Causes by the Sheriffs in Scotland; or under authority of any other Act or Acts of parliament now in force in which the like exemption as by the Act speeified is given to the proper officer of court executing the process of sueh court to sell the effeets seized by him by anetion, without 'aking ont or baving any license as an auctioneer, provided the sum for which such process is enforced is under 201.-Sec. 5.
o Geo. IV. c. 81 s. 8 repealed, and 1 Excise License to be sufficient.-So much of the Act 6 Geo. IV, e. 81 as enacts 'that every person exercising or carrying on the trade or business of an auctioneer or selling any goods or chattels, lands, tenements, or hereditaments by auction, shall, over and above any license to him or her granted as an auctioneer, take out such lieense as is required by law to deal in or retail, or to vend, trade in, or
sell, any goods or commodities, for the dealing in
or retailing or vending, trading in or selling of which an excise lisense is specially required, before he or she slall lee permitted or authorised to sell such goods or commoditics by anction, and if ny such person shall sell any such goods or commodities as aforesnicl by anetion withont having taken out such license as aforesaid for that purpose, he or she slat be subjeet and liable to the penalty in that behalf imnosed upon persons dealing in or retailing, vending, trading, or selling any such goods or commodities without license, notwithstanding any license to lim or her before granted as aforesaid for the purpose of exercising or carrying on the trade or business of an auctionecr, or selling any gools or chattels, lands, tenements, or hereditiments by auction, anything herein contained to the contrary notwithstanding,' together with the proviso thereto attached, and so much of any other Aet or Acts of parliament by which it is required that a separate and distinet license shall be taken ont by any auctionecr selling by anction gold or silver plate or patent medicines, or any other articles, are hereby repealed; and any anctioncer laving at the time in force a lieense on which the dinty under the provisions of this Act has been paid may sell by auction any such property, goods, or commodities, without taking ont any other license in sueh respect, any other Act or Acts to the contrary thereof notwithistanding.-Sce. 6.
Clanse 7 orders that every aucioneer, before he shall commence any sale, shatl suspend or aftix a ticket or board containing his full Christian name and surname and place of residence in large letters to some conspicuous part of the room or place where the auction is held, under a penalty of 201.
Clanse 8 enacts that every person acting as auctioncer shall proluce his license, or make a deposit of 101. on pain of 1 month's imprisonment, on the demand at the time of any sale by auction of any offiecr of excisc, eustoms, or stimps and taxes.
An auctioneer wh.. deelines to diselose the name of his principal at the time of sale makes himself responsible. But if he discluse the name of his principal, he ceases to be responsible, either fur the soundness of or title to the thing sold, unless he have expressly warranted it on his oun responsibility.

If an anctioneer pay over the produce of a sale to his employer, after receiving notice that the goods were not the property of such employer, tie real owner of the goods may recover the immomt from the auctioncer.
It has long been a common practice at certain
auctions (called for that reason mock auctions) to rmploy puffers, or mock bidlers, to raise the value of the articles solil by their apparent competition, and many questions lanve grown ont of it. It was iong ago clecided, that if tho owner of an estate put up to sale ly auction employ puffers to bid for chim, it is a fraud on the real bidder, and the highest bidder cammot be compelled to complete lis eontrict. ( 6 T. Rep. p. G.le.) But it would seem as if the mere employment of puffers under any ciremonstances were now held to be illegal. 'The inclination of the courts at the present time is, that a sale by nuction should be conducted in the most open and public manner possible; that there should be no reserve on the part of the seller, und no collusion on the part of the buyers. Putling is illegal, nccording to a late case, even thongh there be only one puffer; and it war hen decided that the recognised practice at anctions, of employing such persons to bid upon the sale of horses, ronild not Je sustained.' (Woolrych On Commereial Laur, p. 262. )

A party bidaling at any nuction may retract his offer at any time before the hammer is down. Austher clearly established principle is, that verbal declarations by an anctioneer are not to be suffered to control the printed conditions of sale; and these, when pasted up under the box of the anctioneer, are held to be sufliciently notified to purchasers.

Auctioncers, like all other agents, should earefully observe their instructions. Shonld those who employ them sustain any damage throurh their carelessness or inattention, they will be responsible. They mist also answer for the consequences, if they sell the property intrusted to their care for less than the price set upon it by the ownors, or in a way contrar; to orter.

An anctionecr who has huly paid the license duty is not liable, in the city of Lomdon, to the peniblties for acting as a broker without being ulmitted agrecably to the 6 Anne e. 16 .

The extablishment of mock anctions is a commen practice among swindlers in London. Persons are frequently placed at the doors of such auctions, denominated barkers, to invite sfrangers to come in: and putlers are in wait to bid up the article micl heyoud its value. A stranger making an ofler at such an auction is nlmost sure to have tiic article knoeked down to him. 1hated goods are often disposed of at these anctions; but it is almost needless to add, they are of very inferior quality. Attempts liave sometimes been inade to suppress mock anctions, hut hitherto without mneh success.

ALis']'linlha. [Apelaide; Brisbane; Colovies ano Coloni Thade; Mhlmounve; Syib-


AVERAGE (Er, avarie; Ital. germinamento. For an olaborate dissertation on the origin of this term, see Aroond's Marine Insurance, Ord edit. with Mr. Maclachlan's note, p. 738). A term used iu t'ommerce aml Navigation to signify a contribution made by the indiviluals, when they happen to be more than one, to whom a ship, or the goods on board it, belong, or by whom it or they are insured; in order that $n o$ particular individual or individuals amongst them, who may have limen fored to make a sucritice for the preservation of the ship or cargo, or both, should lose more than others. 'Thus,' says Mr. Scrjeant Marshall, 'where the goods of a particular merchant are throwu overboard in a storm to save the ship from sinkine; or where the masts, eables, anclions, or other furniture of the shin, are cut away or destroyed for the preservation of the whole ; or money or goods are given as a composition to pirates to save the rest; or an expense is incurred in reclaming the ship, or defending a
suit in a foreign court of admiralty, and obtaining her discharge from an unjust capture or detention; in these and the like cases, where any sacritice is deliberntely and voluntarily made, or any expense fairly and bona fide ineurred, to provent a total loss, such sacrifice or expense is the proper subjeet of $n$ gencral contribution, and ought to be rateably borme by the owners of the ship, freight, and cargo, so that the loss may fall equally on all, uccordingr to the equitable maxim of the civil law-no one ought to be enriched by another's loss: "Nemo alebet locupletari aliena jartura."'

Upon this fair principlo is fomeded the doctrine of average contributions; regulations with respect to which laving been embodied in the Rhodian law, were thence allopted into the Roman law; and form a prominent part of all modern systems of maritime jurisprudence. The rule of tho Rhodian law is, that 'if, for the sake of lighter:ing a ship in danger at sea, goods bo thrown overboard, the loss incurred for the sake of all. shall be made geod by a general contribution.'(Diy. lib. xiv. tit. 2, s. 1 ; Schomberg, $O n$ the Mritime Sau's of Mhodes, p. 60.)

Formerly it was a common practice to ransont British ships when captured by an enemy, the ransom being marle good by a general average. But this practice having been deemed disalvantageous, it was abolished by stat. 22 Geo. III. c. $\approx=$, which teclares, 'I'hat all contracts and agreements which shall be entered into, and all bills, notes, and other securities, which shall be given by any person or persons, for ransom of any ship or ressel, merchandise, or goods, enptured by the subjects of any state at war with his . Majesty, or by uny person committing hostilities against his Majesty's subjects, shall be absolutely void in law, and of no eflect whatever ;' and $n$ penalty of 5007 . is given to the informer, for every oflence against this Act.
Average is either general or particular; that is, it either aflects all who have any interest in the ship nud cargo, or only some of them. The contributions levied in the cases mentioned above, come under the first class. IBut when losses occur from ordinary wear and tear, or from the peris naturally incident to a voyage, withont jeing volmatarily encountered, such as the accidental springing of masts, the loss of nuchors, \&c., or when any peculiar sacrifice is male for the sale of the ship only, or of the eargo only, these losses, or this sacrifice, must be borne by the parties immediately interested, and are consequently defrayed by a particular average.

There are also some small charges called petty or aecustomed averages; it is usual to charge one third of them to the ship and two thirds to the cargo.

No general average ever takes place, except it can be shown that the danger was imminent, and that the sacrifice made was indispensable, or supposed to be indisyensable, ly the captain aud officers for the safety of the ship aud cargo. The captain, on coming on shore, slould inmediately make his protests; and he, with some of t?e crew, shonld make oath that the goods were thrown overhoarl, masts or anchors cut away, money paid, or other loss sustained, for the preservation of the ship and goods, and ot the lives of those on beard, and for no other purpose. The average, if not settled bofore, should then be adjusied, and it should be paid before the cargo is laitled; for the owners of the ship have a lien on the foods on board, not only for the freight, but also to ausurer all arerages ind contributions that maty be dur. But thongh the captain should negleet his duty in this respect, the sufleree would not be without
a remedy, but might bring an action either against him or the ow.ers.

The laws of different states, and the opinions of the ablest jurists, vary as to whether the loss incurred in defending a ship against an enemy or pirate, and in the treatment of the woundel otlieers and men, should be made good by general or partieular average. The Ordinance of the Ilanse 'Towns (art. 35 ), tho Ordinance of 1681 (liv. iii. tit. 7, s. 6), and the Code de Commeree (art. 400, s. (6), explicitly declare that the charges on account of medicine and for attendance upon the oflicers and seamen wounded in defenting the ship, slall be general average. A regulation of this sort seems to be founted on reason. But other eoles are silent on the subject; and though the contrary opinion had boen alvanced by Mr. Serjeant Marsliall, and by Mr. Justice Park in the earlier editions of his work, the Court of Common Pleas has unanimously deeided that in England neither the lamage done to a ship, nor the ammmition expended, nor the expense of healing sailors wounded in an action with an enemy or pirate is a subject of general average. (Abbott, On the Lave of Shipping, pt. iii. ch. $\boldsymbol{v i t i}$ )

The general safety of the whole adventure must also be a motive for the sacritice, for if a captain of a ship, on the point of eapture, threw oxirboard a quantity of dollars, not to save the ship and cargo, but merely to prevent the dollars from getting into the enemy's hand; this is not sublh a jettison as would entitle the owner of the dollars to a general average contribution. (Arnould, p. 773.)

Some goods are excepte:, giving no clain to contribution, as those of which there is no 1 ill of lading ; those taken on board by the captain contrary to the charter-party; and especially those carried on deek, unless there is a usage and eustom for such carringe. 'Thus timber cast overboard is held to be entitled to average, as were also some pigs carried between Waterford and London.

Much doubt has been entertained, whether expenses ineurred by a slip in an intermediate port in which she has taken refuge, should be general average or fall only on the ship. But on principle at least, it is clear, that if the retreat of the ship to port be made in order to obviate the langer of foundering, or some other great and immiuent calamity, the expenses inenrred in entering it, and during the timo she is forced by stress of weather, or adverse winds, to continue in it, ought to belong to general average. But if the retreat of the ship to port be made in order to repair an injury occasioned by the unskilfulness of the master, or in consequence of any defect in her outfit, such, for example, as deficiencies of water, provis. s, sails, \&c., with which she ought to huve been sufficiently supplied before setting out, the expenses should fall wholly on the owners.

When a ship (supposed to be seaverthy) is foreed to take refuge in an intermediate port, because of a loss oceasioned by a peril of the sea, as the springing of a mast, de., then, as the accident is not aseribable to any fault of the master or owners, and the retreat to port is indispensable for the safety of the ship and cargo, it would seem that any extraordinary expense incurred in entering it should be made good $\mathrm{b}_{;}$general average.

Supposing, however, that it could be shown that the ship was not, at her outset, seawortly, or in a condition to withstand the perils of the sea; that the mast, for example, which has sprung, had been previously damaged; or supposing that the mischief had been oceasioned by the incaracity of the master; the whole blame would, in
sur a case, be ascribable to the owners, who besiles defraying every expense, should be liable in damages to the freighters for the delay that would necessarily take place in completnig the voyage, and for whatever damage eght le done to the eargo.

These, however, are merely the cadlusions to which, is it appears to un, those must come who look only to principles. The law with respert to the points referred to differs in different comentres, and hassliffered in this country at diflerent perions. 'A toubt,' says Lord Tenterilen, 'was formerly entertained as to the expenses of in ship in a purt in which she had taken refuge, to repair the damage oceasioned by a tempest; but this has bee: removed by late decisions. And it has been held. that the wages and provisions of the erew chring such a periud must fall upon the ship alone. But if a ship should neecssarily go into an intermedinte port for the purpose only of ropairing such a damage as is in itself a proper object of general contribution, possibly the wages, \&e. luring the period of snch detention, may also be held to be general average, on the gromid that the accessory should follow the nature of its prineipal.' (Law of' Shipping, pt. iii. ch. viii.)
l'erhaps the reader who reflects on the vagueness of this passage will be disposed to eonenr with Lorl 'Tenterden's remark in another part of the same chapter, 'l'liat the determinations of the Euglish courts of justice furnish less of authority on this subject (average) than on any other branch of maritime law,

The question, whether the repairs which a ship undergoes that is forcel to put into an intermediate port ought to be general or particular average, has created a great diversity of opinion; but the jrinriples that ought to regulate our decision with respect to it seem pretty obvious. Iniuries voluntarily done to the ship, as cutting away masts. yarils, \&e., to avert some impending danger, are umiversally admitted to be general average. It seems, however, hardly less clear, and is, indeed, expressly laid down by all the great authorities, that injuries tone to the ship by the violence of the winds or the waves should be particular average, or should fall wholly on the owners. The ship, to us* 'e almirable illustration of this prineiple give the civil las, is like the tool or instrument on a workman in his trade. If in loing his woris he break his hammer, his anvil, or any other instrument, he can claim no satisfaction for this from his employer. (Dig. lib. xiv. tit. 2, s. 2.) The owners are bound, both by the usual conditione in all charter-parties, and at common law, to earry the cargo to its destination; and they must consequently be bound, in the event of the ship sustaining any aceidental or matural damage during the voyage, either to repair that damage at their own expense, or to provide another vessel to forward the goods. In point of fact, too, such subsidiary ships have often been provided; but it has never been pretended that their hire was a subject of general average, though it is plain it has quite as good a right to be so considered as the cost of repairing the damage done to the slip by a peril of the sea. Hence when a ship puts into an intermediate port for the common safety, the eharges incurred in entering the port, and down to the carliest time that the wind and weather become facourable for leaving it, ought to be general average; but the repair of any damage she may have sustained by wear and tear or by the mere violence of the storm, or an aecidental peril, and the wages of the erew, and other expenses incurred after the weather has moderatel, should fall wholly on the owners.

A recent decision in the case of a British ship tha: had been obliged to put into port in consequence of ant injury resulting from lier accidentally coming into collision with another, affirmed that so much of the repair she then underwent as was absolutely necessary to enable her to perfirm hir voyuge should be general average. The Judges, however, spoke rather doubtfully on the suljeet; and it is exsecelingly difficult to discover any good grounds for the jndigment. (llummer and another $v$. Wildman, $3 \boldsymbol{M}$. §. S. 482. ) It seems directly opposed to all principle, as well as to the authority of the laws of Rhodes (Dig. 14, tit. 2), of Oleron (art. 9), of Wisby (art. 12), and to the common law with respect to freight. Lord Tenterden has expressed limself as if he were hostile to the juigment. It is, indeed, at variance with all the doetrines lie lays down; nud the terms in which lie alludes to it, 'yet in one rase,' appear to hold it forth as an exception (which it certanly is) to the conrse of decinions on the sulject.

This rule lins been adopted in the United States, but in this country (Arnould, 792) the case must either be considered as overruled or at all events not to be an nuthority for the rule thus dednced from it. Iudeed, Lord Ellenborough limself afterwards refers to it as decided on the ground that the repairs were rendered necessary by a sacrifice of part of the ship for the general safety, and held on the ease then before lim (l'ower $v$. Whitinore) that the expense of repairs can only be a subject of general contrilution when rendered necessary by it gencral average loss. This is aceordingly the received rule of law in this country upon the subject.

It is now usual in this country, when a vessel puts into port on account of a damage bedonging to particular average, which requires to be rejnired before she ean safely proceed on her voyage, to allow in general average the expense of entering the port and unloading, to charge the owners of the goods or their underwriters with the warehouse rent and expenses attending the cargo, and to throw the expense of reloading and departure on the freipht.

Considerable doubts Inave existed in regard to the policy of making the loss of goods stowed upon the deck and thrown overboard the subjeet of gencral average. The French Ordinance of 1681, proceeding on the assumption that deck stowage is in all cases improper, has expressly excluted groods so stowed from the benefit of such average (Liv. iii. tit. 8, s. 13.) This, however, is plainly a matter in rerard to which no invariable rule can be safely laid down; for though, speaking generally, stowage on the deek be improper and dangerous in most distnnt voyages, it may not be so, at least in certain seasons of the year, and in certain descriptions of vessels, in the coasting or eross-channel trades, or in over-sea voyages to contiguous countries. Aud such being the case, the preferable plan would seem to be to leave cases of the jettison of the deek cargo to be decided according to the practice of the peculiar trade in which they may happen to take place. This, too, we infer, though the point has not been judicially determined, is, in fact, the law of Eugland at this moment. Primâ facie, deek goods are excluded from the benefit of general average; but if it can be shown that stowage on deck is the usage of the trade in which a jettison takes place, and the custom of the parties engaged in it, the general presumption againsi the practice would be defeated, and the goods would be adnitted to the benefit of general average. (Shee's valuable cdition of Lord 'Jenterden's work on the Law of Shiping, pp. 481-489.)

A late statute, the 5 Viet. 2 sess. c. 17, makes it illegal for ships laden with timber and clearing out from any port in British North America between November 1 and May 1 to have any portion of the cargo on deck. But, with this execption, the nropriety of stowing goods on the deck must be atetermined by the opinions of those engaged in the partieular trade in which it muy have occurred.

According to the law of England, when a shap is injured by coming into collision with, or running foul of asother, if the misfortune lias be accidental, and no blame can be aseribed to either party, the owners of the damaged ship have to bear the loss. In cases where a collision has taken place through the fanlt of one party only, he, of course, is responsible for the consequences; but where both parties are to blame, without its being inssible to discriminate the precise culpability of each, the loss or damage is to be defrayed equally by both parties. And this, also, is the rule laid down by the laws of Oleron and Wisly, and the fimons F'rench Ordinance of 1681, in reference to accidental collisions. The Code de Conmerce (art, 407), however, throws the loss resulting from accideutal collisions on the sulfering party, harmonising in this respect with the law of England. [Colisision.]
The ship and freight, and everything on board, even jewels, plate, and money, except wearing apparel, contribute to general average. But the wages of seamen do not contribute; because, had they been laid under this obligation, they might have been tempted to oppose a sacrifice necessary for the general safety.

Diflerent states have adepted different modes of valuing the articles which are to contribute to an average. In this respect the law of lingland has varied considerably at diffe ent periods. At present, however, the ship is valued at the price she is worth on her arrival at the port of delivery. The value of the freight is leld to be the elear sum which the ship lins carned after seamen's wages, pilotace, and all such other charges us come under the name of petty averages, are deducted. It is now the settled practice to ralue the foods lost, as well as those saved, at the price they would liave fetched in ready money, at the port of delivery, on the ship's arrival there, freight, duties, and other elarges being deducied. Diach person's share of the loss will bear the same proportion to the value of his property that the whole luss bears to the aggregate value of the ship, freight, and cargo. The necessity of taking the goods lost into this account is olvious; for otherwise their owner would be the only person who would not be a loser.

When the loss of masts, cables, and other furniture of the ship, is compensated by general average, it is usual, as the new articles will, in all ordinary eases, be of greater value than those that have been lost, to deduct one-third from the value of the former, leaving two-thirds only to be contributed.

Hut the mode of adjust*ig an average will be better understood by the following example, extracted from Chief Justice 'Tenterden's valunble work on the Law of Shipping, pt. iii. ch. viii.:-
'Ihe reader will suppose thint it became necessary, in the Downs, to cut the cable of n ship; destined for IIthl; that the ship afterwards struck upon the Goodwin, which compelled the master to cut away his mast, and cast overboard part of the eargo, in which operation another part was injured; and that the ship being eleared from the sands, was force to take refuge in Ramsgate harbour, to avoid the further effects of the storm.


That is, each person will lose 10 per cent, opan the value of his interesi in the rarko, slap, or freinht. Theretore, A. loses sol., 16 .

 and 10t mare for the trelght of the goods thruwn uverboard; or $4 \times 0 \%$, minus 2 sel.

They, therefore, are actually to receive
S. is to contribite $50 h$. , hut hai lost 3 (Att.; therefure
A. Is to receive noi, bit has lost roit, there
n. is to contrinute $100 t$, but has lost 2001.4 there.
fore H . i ta rective

Total to be actually received
On the other hand, C. N., and E. have lost $\left\{\begin{array}{c}\mathrm{C}\end{array}\right.$ nothiak, and are to pay as leciore : viz. . \{ \{:

Total to be actually pald
which is exactly equal to the total to he actually recelsed, and must le padd by and to edeh person in rateable propostion.
' In the above estimate of losses, I have incluted the freight of the goods thrown overboard, which appears to be proper, as the freight of the goods is to be paid, and their supposed value is taken clear of freirbt, as well as other charges. In this comntry, where the practice of insurance is very geueral, it is usual for the broker, who has procured the poliey of insurance, to draw up an adjustment of the average, which is commonly puid in the first instance by the insurers without dispute. In case of dispute, the contribution may be recovered either by a suit in equity, or by an action at law, instituted by each individual entitled to receive, against each party that ought to pay, for the amount of his share. And in the case of a general slin, where there are many consignees, it is usual for the master, before he delivers the goods, to take a bond trom the different merehants for payment of their portions of the average when the same shall be adjusted.'
The sulject of a verage does not necessarily make a part of the law of iasurance; though as insurers, from the terms of most policies, are liable to indemnify the insured against those contributions which are properly denominated general average, its consideration very frequently oceurs in questions as to partial losses. But in order to contine assurances to that which should be their only olyect, namely an indemnity against real and important losses arising from a peril of the sea, as well as to obviate disputes respecting losses arising from the perishable quality of the goods insured, and all trivial subjects of difference and litigation, it seems to be the general law of all
maritime states, nad is expressly, indeed, proviled by the fimous Ordinance of 168 s (spe liv, ini. tit. 6 , s. 17 , and the elaborate commentary of M. Valin). that the insurer shall not be liable to any demi...i on aecount of averare, inless it exceel one per cent. An article (No. dos) to the same effect is inserted in the Cinle de Commerce; and by stipnlation, this limitation is fre tently extended in French policies to three or fiour per cent. A similar practice was adepted in this country int 1749. It is now cometantly stipulatet in all nolicies, that upon certain enumerated articles of a quality peculiarly perislable, the insurer shatl not be liablo for any partial loss whatever; that upon certain others liable to partial iujurien, but less dithientt to be preserved at sea, he shall only be lialle for partial losses above fire per cent.: and that as to all other gools, and also the ship and freight, he shall only be linble for partial losses above three per celit. This stipulation is made by a memorandum inserted at the bettom of all policies done at Lloyd's, of the following tenor: ' N.13, Corn; fish, salt, fruit, tlour, and sceds are warrantel free from average, unless penernl, or the slip be stranded; sugar, tolaneco, hemp, flax, hides, and skins are warrantel free from average under $5 I$. per cent.; and all other goods free from average under 3 . per cent., unless general, or the ship be strandel.'
The form of this memorandum was universally usel, as well by the Royal Exchange and Londont Assurance Companies as by jirivate underwriters, till 175., when it was decided that a ship laving rum aground, was a stranded ship within the meaning of the memorandum, and that although she got off again, the underwriters were liable to the average or partial loss upon damaged corn. This decision inducel the two companies to strike the words or the ship be strauded out of the memorandum; so that now they consider themselves liable to no losses which can happen to surlh commodities, except general averages and total losses. The oll form is still retained by the private underwriters. [Jersam: Stranding.]
The reader is referred for the further discussion of this important subject, to the article Matise Insurance; and to Mr. Stevens's Essay on Averape; Abbott On the Law of Shipping, pt. iii. ch. viii.; Marshall On Insuranee, book i. ch. xii, s. 7; Park On Insurance, ch. vii.; and Mr. Benecke On the ${ }^{1}$ ) inciples of Iudemnity in Marine Insurance; Arnonld On Murine Insurunce; I'ritelard's Admiralty Digest; Smith's Mercantile Laur.

International Gencral Average.-It is clear that there is a tendeney for the rules of commercial law, and especially that portion which deals with shipping and marine assurance, to become identical in all civilised communities. Hence all admiralty and naval courts take into accoant decisions which have been given in foreign tribunals, quote cases which have been adjudicated ons, and treat commercial law with greater or less cxactness as part of the law of nations,
The reader is referred especially to the Report of the Social Science Association fior 1864, containing the resolutions arrived at by representatives from Belgium, France, Holland, the Hanse Towns, lussia, and the United States.

AYOLRIDUPOIS. A weight used in determining the gravity of bulky conmodities.

BABOOL BALK. The bark of the Acacia arabica is almost exclusively nsed by the natives of ludia for tanning purposes, being the only bark which can be obtaned througheat the Peninsula in large quantities, and cheap. The price varies from $\frac{3}{6}$ to 2 rupces par maund, about 80 lbs , avoir.
bacon and lians. The former is mado from the sides and belly of the pir, and the latter from its hind legs. The process of curing may be eflected indifferently by the employment of salt or sugar, or both; liut the first is by far the most commonly used. After being impregnated with salt or sugar, and allowed to remain a certain time in the solution, the bacon and hams are taken out, dried and smoked. The countics of Fingland most celebrated for bacon and hams, are York, Hants, Berks, and Wilts. Ireland produces preat quantities of both; but they are coarse, not :o. well cured as the English, ind much lower priced. Of the Scotch counties, Dumfries, Wigtoll, and Kirke:dbright are eelebrated for the excellence of their bacon and hams, of which they export large quatities, principally to the Liverpoot and london markets. [Pork.]
HAGGAGE. In Commercial Navigation, the wearing apparel and other articles destized for the sole use or accommodation of the crews and passengers of ships. The following are the principal custom-house regulations with respect to baggage :
Bagage and apparel accompanied by the proprietor, worn and in use (not made up for the purpose of being introduced into this country), exempted from all duty on importation.
laggage, containing no article liable to duty, and arriving by continental stcam vessels, may be examined between Gravesend and London, proviled the proprictor be present, and see the packages reclosed and labelled by the ofticer. Such baggage is landed before any other, provided the label be not removed or torn. (Customs Order, Aug. 3, 1853.)
At the outports those passengers having but single packages landed, will have these first examined.

Articles ia baggage (not merchandisc) subject to duty, will be delivered to passengers, if the duties tiercon, and a small fee for passing the entry, be deposited with th's person authorised to receive the same.
If unaccompanied, and examined by sight entry, baggage may be delivered on a proper indorsement being made and certificd by the examining officer.

If not cleared at the expiration of six months from the date of landing, it is liable to be sold for duty and charges, the residuc (if any) to be paid to the right owner on proof being adduced to the satisfaction of the loard.
One rifle or fowling-piece, and one pais of pistols accompanying the party, for private use, free per Customs Order, Sept. 23, 1829. Now duty free.

Trifling articles of silk, and leather gloves in small quantities, found in passengers' baggage, landed from the continent, admitted for entry for private use on the usual declaration. (Customs Order, August 7, 1833.) Now duty free.

One pint of driakable spirits of whatever strength, or half a pint of cordial or Cologne water, in baggage, for private use-free. (Treasury Order, October 25, 1820.)
Half a pound of cigars or manufactured tobaceo in the baggage of passengers delivered duty free.
l’assengers from sho 1 yoyages may enter 3 lbs., and those from long voyares may enter 7 lbs , of cigars. (Customs Order, January 14, 1837.)

Books, plate, or other articles on which drawback might have been received, frec, on declaration that no drawback has been received.
Drawings and sketches made for amusement, and not for sale, by tho proprictor, and accompanied by him, duty free. (Treasury Order, August i, 181і.)

Foreign newspapers unbound, duty free. (Customs Order, April $29,18 \% 9$. )
Passengers denying having Foreign Goods in their Possession.-The following clanse in the Act 16 \& 17 Vict. c. 107, has refereace to this subject: if any passenger or other person, on board any ship or boat, or who may have landed from the same, shall, upon being questioned by any officer whether he has any foreign goods upon his person, or in his possession, deny the same, and any such goods shall, after such denial, hediscovered to be, or to lave been, upou his person, or in his possession, such goods shall be forfeited, and such person shall forfeit treble the value of such goods.' Sec. 229.
Any Licensed Agent overcharging partiea for customs duties or other disbursemeat, will have his license withdrawn, and be prosecuted. (Customs Order, Dec. 94, 1847.)
A custons officer taking any fee, perquisite, or reward for anything done or omitted to be done by him in discharge of his duty, is to be dismissed.( $16 \& 17$ Vict. c. 107 s .3 .)
BAHIA or SALVADOR. A large eity (formerly a capital) of Brazil, contiguous to Uape St. Antonio, which forms the right or eastern side of the entrance of the noble bay of Todos os Santos, or All-Saints.
The map conveys a clearer and better iden of this celebrated bay than could be acquired from any description.
According to the observations of M. Roussin, the lighthouse on the Cape is in lat. $13^{\circ} 0^{\prime} 30^{\prime \prime} \mathrm{S}$., long. $38^{\circ} 30^{\prime} \mathrm{W}$. The opposite side of the entrance to the Bay is formed by the island of Taporica, distant from Cape St. Antonio about $2 \frac{1}{2}$ leagues. But a bank along the shore of the island narrows the passage for large ships to about two-thirds this distance. Another bank runs S.S.W. from Cape St. Antonio about $1 \frac{1}{2}$ league. Within, the bay expands into a capacious basin, having several islands and larbours, the depth of water varying from 8 and 10 to 40 fathoms, affording ample necommodation and secure anchorage for the largest fleets.

There is another entrance to the bay, ( $n$ the west side of the island c: 'Taporica; but it is narrow, intricate, and at its mouth has not more than ( feet water. Several rivers have their embouchure in the bay, which gencrally occasions a current to set

BAHLA
from the north end of the island by Cape St. is somotimes when the rivers are tloodel, this current extremity of $t$ ce Cape has no The lighthouse at the leamot be seen at a distance of more than 3 or 32 the city horth and pouth of anchorage ls abreast of
Tac city is partly built on the beach, but prin-

BALANCE
tiguly on pretty high ground immediatel charous. The public buildings, particularly conticent ; but the numerous, and some of them nague filthy. Population estimated narrow, ill pavecl, ani16i), 1000 . The city is defended at from 125,000 to but hono of them are of great soveral forts, suhjoin -


- The thy.
at about $1,500,0001$. lahia has long been the prineipal mart for the sale of diamonds. And the diamond-fielif in tho interior has led to a great which is believexports of the gem, the value of to 550,0001 . [DLAMond.] Tapiocs and 450,0001 . vessels are also exported. In 1866 and and other and 207, of the burden of 132,091 tons, enteritish see, for som $\mathbf{1 2 5 , 4 0 2}$ tons, cleared out from, $B_{\text {a }}$ at, the art. on 1 remarks on tho trado with, bahia,
The imports de Janeiro.
other manufactured principally of cottons and salt fish, iron, hardware, conls, provisions, tlour, salt,
The exports from Bare, conls, soap, wines, \&c. of late years, notwithstanding rather increased structions thrown in the way of greater obslaves, a
of labour.
scarcity and high price
are there any are prohibited to be imported, nor longing to any privileges in favour of sinips be-
exelusively carried on by Brazilian coastiag trade is
goods, whether difference made in the duty on vessels.
Vessels putting iato Bahia in distress pay no in cargo pay 30 reis per ton, discharge or take measurement; but should a per day, Brazilian port nore than 50 clays, this payment remain in

Port Dues on Vessels.
Nrazilian hosplial for each inan apecified in muster-rolls rels
NHI of healeh
Englu
 Vessela ot atier natuoin pay lighthouse, ¿c.: : : ${ }^{6,72,20}$
Bahia has not bech affectell, according to Mr. Consul Morgan, by the total abolition of the slave
traffic.
Bahia is the only port of this province where goods may be warehoused on importation, and at the rote exported. A duty is charged thereon
The duty of per cent. on tariff valuation. chronometers and other cent. formerly levied on use on board vessels has been real instruments in Arerage Exchange, 30 ben reeently abolished. Average Exchange, 30 al. per 1000 reis.

1 quintal $=1$ arrobas.
Weights and Measures.

BAL ACHOE
ed or bruised tish. Anarticle consisting of pountsmall fish, with prawns and shrimpsincipally of fotid and offensive to strangers, this. Though in all the a condiment to rice, is largely consumed the sonthern provinces of China, and the inelulings the viastern Arehipelago. Its distribution gives ise to an extensive internal traffic.
express the difference betw, the term used to creditor sides of an aceount. BALANCE. In Cominere
nse, to express the difference, between commonly The bexports from and imports into a country: the valunce used to be said to be fivomirable when imports, and unfavourable when the that of the imports exceeded that of the exports. Aucl in and dountry to this was long believed to bo the case, gratulated by our period we were amually conof the exports over the imports.
The attainment of a fports.
formerly regarded as an object of balance was importance. The precious metals, in consequeatest of their being used as money, were long considered cither by ind real Wealth that could be possessed withont mines could or nations. And as countrics metals except in exclange for exported products, it was concluded, that if the value of the comthe bal exported exceeded that of those importen, ation of an wouli have to be paid by the inportmetals; and conversely. A very of the precions merce restraints imposed on the freedom of portion of this ning the last three centuries grew out favourable balauco the importance of having a every effort was mado to attainersally admitted, seemed so effectial for this purpose as the thing hinder of schemes to facilitate exportation, and to except gold importation of almost all products, future exportation. ature exportation. But the gradual though slow
frowth of sommler opinions with respect to the mature and functions of money, showed the fintility of n system of policy laving such objects in view. It is now conceded on all hands that gold nne silver are nothing lut commodities; and thint it is in no respret necessary to interfere either to enconrage the: importation or to prevent their exportation. In trient IBritain they may he freely exported nind imported, whether in the shaje of coin or bullion. [Cots.]

The truth la, hewever, that the theory of the balance of trade was not erroncons merely from the false notions which its ndverates entertained with respeet to money, but jroce led on radienlly mistaken views as to the nature of commerec. The mode in which the balnure was usually estipoated was, indeed, completely fullacions. 13 ut land it been correctly ascertained, it would have Ireen found, in "presition to the eommon opinion, that the importe into commercinl comutries mast. Noeaking generully, exceed the exports; and that a balance, whether on the one side or the other, is but rarily cancedled by a bullion payment.

1. The proper businces of the wholesale merchant consists in earrying the varions product of the diflerent conntries of the world from the phaces where their value is least to those where it is Hrcatest; or, whinh is the same thing. in distributing them nocordin; to the effective demand. It is clar, however, that there could be no motive to export any species of produce, puless that which it was intended to import in its, stoml were of greater valuc. When an limelish merchant commissions a quantity of Polish whent, he calculates on its selling for so much more than its price in Poland, as wifi be sullicient to purs the expense of freisht, insurance, de., and to yicld, besides, the common and orilinary rate of protit on the capital cmployed. If the what did not sell for this moch, its importation would obviously be a loss to the importer. It is phain, then, that 110 morchnot ever did or ever will export, but in the view of importing nomething more valuable in return. And so far from an exeass of exports over imports beiuy any criterion of an advantareous eumineree, it is directly the reverse; and the truth is, notwithstanding all that has been said and write to to the contrary, that unless the value of the imports exceeded that of the exports, forcinim trade eould not be carried on. Were this not the estse-that is, were the value of the exports always $\mu$ reater than the value of the imports-merchants would luse on every transaction with foreigners, and the trade with them would the specdily abandoned.
In Enshand, the rates at whieh all articles of export and import ars officially valued were tixed so far lack as 1696 . Ihit the very freat alteration that has since taken place, not only in the value of money, but also in the cost of by far the greater number of the commodities of this and other countries, long ago rendered the official valuation of no use whatever, cither as a means of learning the values or the quantities of the exports or imports. In so far, however, as respects the former, this defeet was unintentionally remedied in 1798 , when the 'convoy duty,' being an ad valorem tax laid on the exports, furmshed the means of ascertaining their amount. And the importance of the information so obtained was such, that, whether articles of export have or have not been charged with duties, exporters have siuce been made to deelare, in every case, the real value of the articles which they export.
It has been allegen, and apparently with some probalility, that merchants have not unitreguently been in the habit of exaggerating the vilue of
artickes entitled to drawbacks on exportation. Uut the extension and improvement of the warehouning system, and the diminution of the number of drawhacks, have matorially lissened whatever frand or inaceuracy may have arisen from this source. So long, indeed, as the greator mumber of articles were charged with an ad valorem duty: of 10s. ber cent. on exportation, it may be piresumed that their value was rather mider than overrated, Hut since the repenl of that duty (5 \& 6 Vict. c. 17, 4,40 ), their declared value is believed to eone very nuar the truth; at least, sutlleiently so tor all practicul purposes.
lhat until very recently no anthentie juformation was obtained in regard to the valne of the imports. la J8.18, however, the lloard of ('ustoms having approved n phan sughested hy Mr. Nessemirer, invector-gencral of imports nuld exports, for ascertaining the value of the furmer, it was sul)mitted by them to the Trensury, And its ndvantaces having been fully appreciated by Mr. James W'ilson, M.I', then wecretary to their Lordships, it was carried into effeet in 18.54. It is necdless to enter into nuy minute details with respeet to the mode of computiner the values of the imports. It is sutlicient to state that it is effected by ancertaining the enrrent prices of imported articles from price-currents, mercantile circulars, de., and from these deducing the nggregate value of ench. It would be idle to suppose that results derived from a process of this sort whould be altogether exact; lint the errors it involves are of no great moment. nud for statistical purpowes it may bo reckoned quite correct, and must valuable.

In a former edition of this work, we ventured to say that, though we hat no means of comparing the real values of the imports with those of the expurts, wo had no lubut that the former very considerably excedled the latter. It could harilly, indeed, be otherwise. The value of an exported commodity is estimated at the moment of its being sent abrond, and hefore its cost is increased by the expense of transporting it to the place of its destination; whereas the value of the commodity imported in its stead is estimated after it las arrived at its destimation, and, consequeutly, altor its cost has been enlianced by the expense of freight, insurance, importers' protits, \&c.

To measure, therefore, the advantare of commerce by the excess of the expurts over the imports is a proceeding false alike in fact and principle. The value of the imports, in all but anomalous nad extremely rare instances, invariably exceeds that of the exports. And it is plain that this excess, whatever it may be, forms the only fund whence the expenses and profits of the merchauts can be derived. The larger, consequently, it becomes, the more will it be for their advantare.
In the United States, the value of the imports, as aseertained by the custom-liouse returns, has usnally exceeded the value of the exports. Aud although our practical politicians were in tho habit of considering the excess of the former as a certain proof of a disadvantareous commerce, ' it is nevertheless true,' says Nr. Pitkin, 'that the real gain of the United Stutes has been nearly in proportion as their imports have exceeded their pxports.' (Commerce of the United States, 2nd edit. p. 280.) The excess of American imports has in part been occasioned by the Americans generally

## exporting their own surplus proture, nad BALANCE quently, receiving from foreigners, hat, conse-

 cost of converineir exports, but aluot enly an "In lsu", convering them to the furar for the will in America the author just ynoted market. harrel, and in spain tor thwhers and $n$-haty 'tour value of the cargo of a fifteen dollars. The barrels of thour wonli, therefsel carrying s,0ho the period of its exportation at be extimated at Sur as this thour would sell, when 47,500 dollars ; woolid tor $\overline{0}, 000$ dollara, the American carried to for 27,500 eatitled to draw on his arican merchant Imerien, tollars more than as apent in Spain have draw or than the sum for whe flone eont in heved trawn, had the flour been which he conld the transnctiong to a Spanish merelorted in n dollars would would not end here mant. Hat ish or other Eure Vested in some apecies of $\mathbf{S 5}, 000$ market; aud the frean roods fit for the of Spanof the return eareight, insurance, de., on necount value to 100,000 dollars; wo probably inerease its rican merehant might have imt, in all, the Ame5:,500 dollars more than the imported goody worth to Spmin.' It is as impossible the ericinally sent transnetion as this is nolvantabe to deny thant such a that its advantage consists contires, na it is to deny of the value of the goods importely in the exerus of those exported. And it is equare the value America might have had the equally elear that mayments in her favour, thongh senl balance of as the above liad been multiplied to transactions able extent. been multiplied to any conctions-ly one country to nnother, when a balnace is due is paid by renitting bullion it is but seldons that it creditor country. If the sum from the debtor to the surchinats to those of IIollaum due by the British pavmene by the latter to them breater thann the will not, nnd will be against lritain; but this bance of exportation indeed eamot, be diselarred by bince time, the cheapest exportule unless bullion be, at the is the same thine untabe commodity; or, which thgeously erported, unless it may be marc advanthis prineiple, let us suppose thatse. To illustrate tebt, or the excess of the value that the balance of those dravehants of Amsterdame of the bills drawn sterdam, amby the merchants of London on over of the Iondon mes to 00,0001 : it is the on $\mathbf{A m}$ of diseharcing merchants to find out business and it is plain this debt with the least expense. as 96,0001 , 97,0001 ,, or 99,900 that any lexpense; colon to Holland as much cloth, will purehnse and sell inial produce, or any other, cotton, hardware, sell in Amsterdam for 100,0001 , no odity, as will trade exported. The laws who gold or silver from the ballion are not in any which regulate the from those which regulate the degree difierent exportation. It is exported trade in other valuable ab is advantageons, or whly when its be quite abroad than at home. It wo it is more How from reasonable to expect that would, in fact, that lonlion low to a high level, as it water shomed is great, to go to sent abroad to destre where it is low! It is never The balance of pastroy, butalways to find its level. against a particular country be 10 or $100,000,0$ en exportation of a single ountry, without enusing the of bullion to that no merchant will ren. Common if it be pon to discharge a debt in a remit 1002, worth species of merchan invest any smaller sum in in ry, for 1001, exclusive of which wonld sell abroad 100l. exclusive of expenses. The merchant
who deals in the precions metals is aq mu 77 coffeo intluence of self-interest, as be much under coffeo or indigo; and what as he who deals in
attempt to which cost exthguish a debt, by mexchant would sending nuroad ind he cond effect hit exporting coffee
The arpuan judigo which cont only oobject lys is one of those theot the balane of 991.'? Nelves. Ilad the at contrallict and couf payments imports, as indicat aparent excess of exportem.thooks for the licated by the British Cuports over alwas for the hundred years down Castom-honso old iheury contend bullion, ns the supporters of the this monyent contend is the case, thicre shers of the of hullion in be some $500,000,000$ or tion ould at $100,000,000$, whe country, instend of $80,000,0000$ or amollit to!' Nor is it is supposed at most to balance were Nor is this all. If the theory of the a mere itlle delusion anything-if it had not been In the world, with the follows, as every country United States, hay had its single execption of the they must have been paid by an their of bullion from the nuy an annual importathe aggregate nmount. But it it eapouding to thoughtire produce of the mines it certain that w.ndd be were increased in a fivefild proport is, reductio ad absurficient for this purpose! prortion, credit that should bun is decinive of the dhis specting the tlourishing ached to conelusions re any country drawn from the ox the commerce of Not the inports!
Not only, therefore, is the to the bainance of trade crroneory with respect the value of the theory is true. In the the very country which commodities imported by every merce (nal no carries on at advantageots comy considerable period), winy be prosecuted for :any of these which she exports ense, there would plainly be unlews such were the could return derive cither a protit en in foreign trade return for their outlay and on their cnpital, or a against a , whether the bnlmenble; aud in the paid nor recountry, that balance of debt be for or time the ceived in bullion, nuless it be at be portation of which thity by the exportation at the fitably settled. Which the account may be mor imdoctrine as to the Whatever the partisans of thobeing a preferable balnnee may say about of the excellence, it is ablue product, or merchan money list of thing elsports and imports while therear in the debts, that with which to carry on there is anyless expense to theld a largery profit, or or or cancel It is dificult to the debtors.
absurd notions relntive to the mischief which the country occasioned in almost balance of trade country;-here they have been every. commercial prejuctiees to whincipally to the pricularly injurestrictions on the they have given revaluce of Frnnce ions on the trade betwe given rise, that the France are to be nseribed. The this country and prevailed on thent insisted upon grent or rather William on the legislature, in by those who France and Mary, to declare the reign of ment that the nance, was founded ou trade with hingdom conse value of the imports the statecommoditionsiderably exceeded the from that regarded as ae exported to it. The value of the and it was sarracute paid by Euclane balance was that we shacheionsly esked, what had France, to our natural be obliged to pay so much we done, who so loudly abuy? It never occurred money who so loudly abused the frever oceurred to those

## BALLAST

merchant would import any commodity from France, unless it brought a higher price in this comentry than the commodity expo.ced to pay it; and that the profit of the merebant, or the natiomal gain, would be in exact proportion to this excess of price. The very reason assigned by these persons for prohibiting the trade affords the bent attainable proof of its laving been a lucrative one: nor can there be any doubt that an unrestricted freedom of intereourse between the two countries wonld be of the greatest service to both.

BALE. A pack, or certain quautity of goods or merchandise; as a balr of silk, cloth, \&e.

Bales are always marked and numbered, that the merchants to whom they belong may know them, and the marks and numbers correspond to those in the bills of lading, \&c. Selling under the bale, or under the cords, is a term used in France and other countries for selling goods wholesale, without sample or pattern, and unopened.

BALKS. Large pieces of timber.
bALLAST (Duteh, ballast; Fr. lest; Ger. ballast; Ital, savorra; Span. lastre: Swed. ballast). A quantity of iron, stones, sand, gravel, or any other heavy materid laid in a ship's hold, in order to sink her deeper in the water, and to render her capable of carrying sail without being overset. All ships clearing outwards, having no goods on board other than the personal baggage of the passengers, are said to be in ballast.
The quantity of ballast required to fit ships of equal burden for a voyage, is often materially different; the proportion being always less or more, according to the sharpness or flataess of the ship's bottom, called, by seamen, the floor.
The proper ballasting of a ship descrves peculiar attention, for, although it be known that ships in general will not carry suffieient sail till they are laden so that the surface of the water nearly glances on the extreme breadth midships, more than this general knowledge is required. If the ship have a great weight of heavy ballast, as lead, iron, de., in the bottom, the centre of gravity will be too low in the hold; this no doubt wiil enable her to carry a press of sail, but it will, at the same time, make ber sail heavily, and roll so riolently as to run the risk of being dismasted.
The objeet in ballasting a ship is, therefore, so to dispose of the ballast or cargo, that she may be duly poised, and maintain a proper equilibrium on the water, so as neither to be too stiff, nor too crank, qualities equally pernicions. If too stiff, she may carry much sail, but her velocity will not be proportionally increased; whilst her masts are cindaugered by sudden jerks and excessive labouring. If too crank, she will be unfit to earry sail without the risk of oversetting.
Stilliness in ballasting is occasioned by disposing a too great quantity ol heavy ballast, as leal, iron, we., in the bottom, which throws the centre of aravity very near the keel; and this being the centre nbout which the vibrations are made, the lower it is phaced. the more violent is the rolling.
Crankness, on the other hand, is occasioned by laving too little ballast, or by disposing the ship's lading so as to raise the centre of gravity too high: this also endangers the masts when it hlows hard; for when the masts cease to be perpendicular, they strain on the shronds in the nature of a lever, which iacreases as the siue of their obliquity: and it is superfluous to add, that a ship that loses her masts is in great danger of being lost.
IIence the art of ballasting consists in placing the centre of gravity to correspond with the trim and shape of the vessel, so as to be neither too ligh nor too low; peither too far forward nor too
far aft; and to lade the ship so leep, that the surface of the water may nearly rise to the extreme breadth midships: she will then carry a good quantity of sail, ineline but little, and ply well to windward. (Falconer's Marine Dict.)

The mischicvons consequeaces of not attending to the circumstances now mentioned are often experienced by ships loading barilla, brimatonc, and such heavy articles on the coast of Sicily and Spain. The habit there is to cut large quantities of brushwood and faggots, and to spread them in the hold, to hinder the cargo from sinking the centre of gravity too low, and causing the ship to labour vislently; but it very frequently happens that the pressure of the cargo on this sort of dunnage is so great as to squecze it into a much smaller spaco than could at first have been supposed; so that ships after getting to sea are sometimes obliged to return to port to unlond a part of their cargo, to prevent their foundering. In such cases firm dunnage, such as oak staves, should, if possible, be nlways employed. (Jackson's Commerce of Mediterranean, pp. 125-128.)
Ships that have eargoes of light goods on board require a quantity of ballast, increasing, of course, according to the greater lightuess of the goods.
By the Thames Conservancy $\Lambda$ ct, $27 \& 28$ Viet. cap. 113 , $\mathrm{ss} .41-48$, ballast in the Thames is vested in the Thames Commissioners, who are empowered to grant liceases to have ballast in the form and under the conditions aunexed. The Act takes away all previous Acts, charters and grants, and thus canses the rights of the Trinity House to cease.

The charge made for ballast is $6 d$. the entire yard.

- Ballast License, eastuard of London Bridge.We, the conservators of the river Thames, by virtuc of the powers granted to us by the Act of Parliament entitled "The Thames Conservaney Act, 1864," do hereby grant our license to of
to raise ballast,
gravei, or sand, in his called the of the burthen of tons, from the bed of the river Thames, from the
on payment of the sum of and subject to the conditions hereafter specified.
'Given nuder our hand and seal this
(Signed)


## - 41, Trinity Square, Tower Hill, E.C.'

- Conditions referred to in this License.-That the space in the river within whiel dredging under this license will be allowed, extends from Londou Bridge to Yantlet Creck, except as hereinafter mentioned, viz. in that part of the said river situate and being between the marsh wall and low-water mark, in front of certain land or lands belonging to the War Department, on the north side of the said river, and nearly opposite the Royal Arsenal at Woolwich, and also save and except in that other part of the river situnte and lying between Pageant's Wharf and Cuckold's Point therein.
'No dredging with a bag and spoon will be allowed within 100 yards of any wharf or of the river bank, nor will any gravel, sand, or other material be allowed to be dug or procured from the foreshore within 100 feet of any wharf, or of the bank of the river.
'The tredging authorised by this license is to be carried on under the inspection of the harbourmaster of the district, and the person to whom this license is granted, and the men employ!d by
lim in the dredging, are to obey all orders given to him or then by the said harbour-master, with respect to the mooring or placing, or mode of working the barge or vessel having this license.
'That the lieense be kept on board tho vessel for which it is granted, and produced whenever required by the officers of the conservancy.
'That the name of the vessel, and the name and uldress of the owner, be painted in white letters of at least $2 \frac{1}{2}$ inches in length, and of proportionate thickness (say $\frac{1}{2}$-inch) on a black ground, and in such a position as to be fairly seen when the vessel is fully laden.
'That all applications for licenses be made in writing, addressed to the secretary.
'That this license be forfeited on the iufraction or erasion of auy of the above conditions.'

Rates.- l'or every tca of ballast delivered in or unladen from the inward West India Dock, the further sum of $10 d$. ; and for every ton of ballast delivered in or unladen from the outward West India Dock, the farther sum of $4 d$.; and for every ton of ballast delivered in or unladen from the London Docks, the further sum of $4 d$; and for every ton of ballast detivered in or unladen from the iuward East India Dock, the further sum of 10d.; and for every ton of ballast delivered in or unladen from the outward Enst India Dock, the further sum of $4 d$.; and for every ton of ballast delivered in or unladen from the Commercial Dock, the further sum of $4 d$; and for every ton of ballast delivered in or uuladen from the East Country Dock, the further sum of $4 d$. ; and for every ton of ballast delivered in or unladen from the City Canal the further sum of $4 d$; and for every ton of ballast delivered in or muladen from the Surrey Canal, the further sum of $4 d$.; and for every ton of ballast delivered in or unladen from the Regent's Canal, the further sum of $4 d$.

Which further rates or prices shall be payable and paid over and above the respective rates first mentioned.

The ballast of all ships or vessels coming iuto the 'Tham $\%$ is to be unladen into a lighter, at the cha, © $3 d$. a ton. If any ballast be thrown or unla rom any ship or vessel into the Thames, tae captain, master, \&c., shall for every such offence forfeit 201 . No ballast is to be received on board otherwiso than from a lighter. 'By the stat. 54 Geo. III. c. 149, it is cnacted, that no person slall, under a penalty of 101 . over and above all expenses, discharge any ballast, rubbish, d.c. in any of the ports, harbours, roadsteads, navigable rivers, \&c. of the United Kingelom; nor take ballast from any place prohibited by the Lords of the Admiralty.

Ifeaving of Ballast.-The men employed in this laborious occupation have, for a lengthened period, been held in a sort of thraldom by what are called the 'Long shore publicans,' who have paid them according to a truck system of the very worst kind. To emancipate the labourers from this degrading subjection, and place them on a more independent footing, the Trinity Ilouse offers to heave ballast as follows, viz.:-
'Trinity House, London, November 11, 1853.

- Her Majesty having, as provided by s. 14 of the Aet $16 \& 17$ Vict. c. 131 , been pieased by urder in council, dated October 24,1853 , to approve a scale of rates, to be established and paid to this corporation by the owners or masters af, or agents for, any slips, who may be desirous that the Trinity House should undertake to place ballast on board, or unload it from, such ships, in addition to the rates nlready payable under the Act $6 \& 7$ Vict. c. 57 , for placing the ballast
alongside the same. The said ecale so approved is hereby made public for the information of all persons who may be desirous to avail themselves of this regulation, viz. :-
""For vessels having ports, $4 d$. for every ton "f' ballast placed on board or moladen;
" For vessels not having ports, $6 \frac{1}{2} d$. for every ton of ballast placed on board or unladen."
'And uotice is given, that on and alt ${ }^{2}$ r the 1st day of December, 1853, this corporation will canse ballast to be placed on board of, or unlaten from, all shijs or vessels, the owners, masterx, or agents of whicll may be desirous that it shall be so placed or mulaten, on payment of the rates. above specitied, at the time of making entry and payment for the quantity of ballast required io be put on board, oz unladen, as the case may be.
'By order, J. Hemaent,
'Secretary.'
The Aet 16 \& 17 Vict. c. 107 s. 145 enacts that before any ship shall depart in ballast from the United Kingdom for parts beyond seas, not having any goods on board, except stores from the warchouse borne upon the victualling bill of sueh ship, nor any goods reported iuwards for exportation in such ship, the collector or comptroller shall clear such ship in bullast, by notifying sucl clearance and the date thercof of the victualling bill, and deliver the eame to the master of such ship, as the clearance thereof; and the master of such ship shall answer to the collector or comptroller such questions touching ber departure and destination as shall be demanded of him ; and ships lanving only passengers with their baggage on board, and ships laden only with chalk or slate, slaall be deemed to be in ballast; and if any such ship, whether laden or in ballast, sball depart without being so clearel, if she have any such stores on board, the master shall forfeit and pay the sum of 1001 .

Rallast is not part of a ship's furniture.
Ship owners are bound to ballast a ship properly, but they may put merchandise on board as ballast, if it occupy no more room than ballast would have.
No passenger ship shall be ( 18 \& 19 Viet.c. 119 8. 19) allowed to clear out or proceed to sea with any horses, eattle, gunpowder, vitriol, lucifermatches, guano, or green hides, or nuy other article on board whether as cargo or ballust, which may be deemed by the emigration officer at the point of clearance likely to endanger the health or lives of passengers.
BALSAM (Ger. balsam; Dutell, halsem; Fr. baume; Ital. and Span. balsamo ; Lat, balsamum). Balsams are vegetable juices, either liquid, or which spontancously become concrete, eonsisting of a substance of a resinous nature, combined with benzoic acid, or which are capable of alfording benzoic acid by being heated alone, or with water. The liquid balsams are copniva, opobalsam, halsam of Pera, storax, and Tolu; the coucrete are benzoin, dragon's blood, and red or concrete storax. (Ure.)

1. Copaiva (Fr. baume de copaln; Ger, kopaiva balsam; Span. copayva).-This is obtaincel from the Copaifera multijuga, and other trees growing in South America and the West India Islauds. The largest quantity is furnished by the province of Para in Brazil. It is imported in small casks, containing from 1 to $1 \frac{1}{2}$ ewt. Genaine good eopaiva or copaiba balsam has a peculiar odour, and a bitterish, hot, nauseons taste. It is clear and transparent; its consistence is that of oil; but when exposed to the action of the air it becomes solid, dry, and brittle, like resin.
Copaiba is said to be frequently adulterated
with castor oil, and turpentine. So test other than the quantity of essential oil obtainable by distillation appears to be conclusive.
2. Opubulsam (Fr. bulsamier de la Mecque; Ital. opobalsamo; Lat. balsamum verum album, "gyptiacum ; Egypt. balessan).-The most precious of all the balsams, commonly called lalm of (iileal. It is the produce of a tree (Amyris Gikcudensis), indigenous to Arabia and Abyssiuia, and transplanted at an early period to Judea. It is obtained by cutting the bark with an axe at the time that the jnice is in the strongest circulation. The true balsam is of a pale yellowish colour, clear and transparent. about the consistence of Venice turpentine; of a strong, penetrating, asreable, aromatic smell, and a slightly bitterish pungent taste. By age it becomes yellower, browner, and thicker; losing by degrees, like volatile oils, some of its finer and more subtile parts. It is rarely if ever bronght genuine into this comntry; dried Canada balsan being generally substituted for it. It was in high repute nmong the ancients; but it is now principally used as a cosmetic by the Turkish ladies. (Drs. Ure and Thomson.)
The Canada balsam, now referred to, is merely fine turpentine. It is the produce of the Pinus balsamea, and is imported in casks, each containing about 1 cwt. It has a strong, but not a disagrecable odour, and a bitterish taste; it is transparent, whitish, and has the consistence of copaiva balsim. [Turpentine.]
'Szafra and Beder are the only places in the Hedjaz where the balsam of Mecha. or balessan, can be procured in a pure state. The treo from which it is collected grows in the neighhouring mountains, but priacipally upon Djebel Soblh, and is called, by the Arabs, Beoliem. I was informed that it is from 10 to 15 feet high. with a smooth trumk, and thin bark. In the middie of summer small incisions are made in the bark; and the juice, which immediately issues, is taken off with the thunb-nail, and put into a vessel. The gum appears to be of two kinds. one of a white, and the other of a yellowish white colour; the fir ${ }^{4} t$ is the most estecmed. I saw here some of the latter sort in a small sheep-skin, which the Bedonins use in bringing it to market: it had a strong turpentine smell, and its tasto was bitter. The people of Szafra usually adulterate it with sesamum oil and tar. When they try its purity, they dip their tinger into it and then set it on tire: if it burn without hurting or leaving a mark on the tiuser, they judge it to be of good quality; but if it burn the tinger as soon as it is set on fire, they eonsider it to be adnlterated. I remember to have read, in Bruce's Travels, an acconnt of the moile of trying it, by letting a drop full into a cup tilled with water; the good balsam falling coagalated to the bottom, and the bad dissolving and awimming on the surface. I tried this experiment, which was mknown to the people here, and found the drop swim upon the water; I tried also their test by fire upon the finger of a Bedonin, who had to regret his temerity; I therefore regarded the balsain sold here as adulterated; it was of less density than honey. I wished to purchase some; but ueither my own baggage nor any of the slops of Szatifa conld furnish anything like a bottle to hold it; the whole skin was ton dear. The Beclonins, who bring it here, usually demand 2 or 3 dollars per pound for it when quite pure; and the Szafra Arabs resell it to the hadjeys of the great caravan at between 8 and 12 dollars per pound in an adulterated state. It is bonght up principally by Persians.' (Burckhardt's Travels in Arabia, vol. ii. p. 123.)
3. Balsam of Peru (Fr. baume de Peru; Ger. Peruvianiseher balsam; Span. balsamo de quinquina; Lac. balsamum perurianum).-The produce of a tree (Myroxylon perniferum) growing in the warmest parts of South America.

The balsam of Peru was first mentioned by Monasdes, under the neme of balsamum. From the tree which was named by Dr. Royle, Myrospermum Pereirc, two kinds of balsam are obtained, the black balsan (balsam of Peru of commerce), gained by incisions into the stem, and the white balsam (Sonsouate or San Salvador white balsam), obtained by pressine of the fruit after removal of the outer fibrous portions.

Both of these products are procured exelusively from the balsam coast of San Salvador, between the ports of Libertad and Acajutla. The principal market for its sale is Sonsonate. The native Indian population colleet and bring it to Sonsonate for sale, in gourds. It is usually sold by the pound, and is paid for in silver pillar dollars. The average annual production of blaek balsam is about $25,000 \mathrm{lbs}$. Aceordir $\mathrm{g}^{5}$ to M. Saravia, of Sonsonate, it is obtained by inserting rags in incisions in the tree. These rags, when well soaked, are boiled in water, and the balsam allowed to subside; the water is thea poured off and the impure balsam paeked in gourds; and M. Victor le Nouvel corroborates this acconnt.
The tree is also an inhabitant of Peru, New Granadn, Columbia, and Mexico. Black balsam of Peru is a transparent, deep reddish-brown or black liquid, about the consistence of treacle, and possesses an odour similar to that of vanilla or benzoin. It is soluble in alcolol.
There is another balsamic substance which bears the ume of balsam of Peru; it is of a deep brown colour, and has an odour similar to that of Tolu; it is called by l'rofessor Gurbourt bame de Perou en cocos, from being ordinarily collected in coconnut shells.
The white balsam of Peru is supposed to be the product of the oleoresinons matter contained in the pericarp and the fatty and other constituents of the seed. It is imported in globnlar earthen jars, containing about 20 lbs, each. It closely resembles Bordeanx turpentine, is semi-fluid and somewhat gramular.

Balsamelo is another product of the same tree, procured by digestin; the fruit in rum. (Pereira's Materia Medica, and Private information.)
Our imports of balsam of Peru amonated in 1863 to $2 \mathrm{E}, 508 \mathrm{lbs}$, four-tifths of which were imported from New Granada; but in 1866 the imports from the latter had fallen to 5,859 lbs. The total valne of the imports was $6,695 l$, and the average value per lb . 5 s .3 d .
4. Storar (Fr. storax; Ger. storaxbanm; Ital. storace; Span. azumbar; Lat. styrax ; Arab. usteruk). The produce of a tree (Liquidambar orientale) growing in the south of Europe and the Levant.
The purest kind is storax in grains. Another kind is called Styrax calamita, so named from being brought in masses, wrapped up in the leaves of a kind of calamus. Both these kinds have the odour of vanilla, and are rarely foumd in the market. A third varicty is light, pliable, and itiported in brown or reddish-brown masses. $\Lambda$ fourth is semi-1luid, the liguid storax of the shopa. Storax is employed in medicine and perfumery, but it is very liable to adulteration. Its odlour appears to be due to a volatile oil. (United States Dispensatory.)
5. Tolu, Balsam of (Fr. baume de Tolu; Ger. Tolutanischer balsam; Span. balsamo de' 'oln). The juice of the Myrospernum toluiferum, a tree found

## BALSAM

BALTIMORE
in Carthagena. The wood of this tree, according to limmboldt, is of a dark red colour, and of an agreeable odour, and is much used for building.

The balsam is obtained by making incisions in the trunk, and is brought from Carthagena in calabashes, carthenware jnrs, and glass vessels. The test of its purity is its solution in sulphuric acid, from which no sulphurous acid gas should he disengagel in the process, and which should completely dissolve it. Balsam of 'Tolu contains cimamic acid. Halsam of 'Tolu is not, as has been believed, a varicty of balsam of leru, but is the produce of a different tree and a different region. (United States Disprensatory.)
G. Benzoin or Benjamin (lir. benzoin; Ger. benzee; Span. bengui; Ital. belzuino; Lat. ben\%oinum; Arab. liban; Iliwd. luban ; Jav. menian ; Malay, caminyan.). This is an article of much greater conmercial importance than any of those balsams previously mentioned. It is obtained from a tree (Styrax benzoin) cultivated in Sumatra and Borneo, but particularly tho former. The plants produce in the seventh year. The balsam is obtained by makiag incisions in the bark, when it exudes, and is seraped off. During tho first 3 years the balsam is of a elear white colour, after which it becomes brown. Having borne 10 or 12 years, the tree is cut down, a very inferior article being obtained by scraping the wood. The balsams procured in these different stages are distinguished in commerce, and differ widely in value. Benzoin has a very agreeable, fragrant odour, but hardly any taste. It is imported in largo masses, packed in chests and casks. It should be chosen full of clear, light-coloured, and white spots, having the appearance of white marble when broken : it is rarely, however, to be met with in so pure a state, but the nearer the approach to it the better.

Subjoined is a table of the imports, \&e. of benzoin in 1863:-

| From Itolland Niam. Intlia, Singapore, and (:eylon | $\begin{gathered} \text { cwts } \\ 2 N \\ 75 \end{gathered}$ | Value | Average value presert. |
| :---: | :---: | :---: | :---: |
|  |  | ${ }_{2,3}^{4}$ |  |
|  |  | 12.74 | is 76 |
|  |  |  |  |
| Other parts : | 2,850 102 | $25,0.59$ 812 | 818 |
| Total | 3,312 | 2!2,615 |  |

About 480 ewts. of this amount were exported to France in 1863.

The exports of this article from Siam are not the produce of that country, aceording to Sir R . Nehomburgk, who states that 'it is all brought from the Laos country:' The tree is destroyed to procuro the gum, the bark is clipped all over, and after the gum has all exuded and hardened, it is found between the stem and bark, which is then stripped off. The tree is called Kanyan by the Siamese. The gum, which exudes naturally, has a much stronger perfume than that procured by catting, but from dropping on the ground it is a good deal mised with carth and other impurities; it is not white, but of a clear brownish colour. From the manner in which it is brought down the country, it is much destroyed, being broken juto dust often from the rough usage which it receives before arriving at tho narigable parts of the Meinan. The common way of brioging it to the river is in small baskets strapped in pairs across bulloeks' backs. It sells at Hangkok for about 30 ticals per picul. Sir Robert Schomburgk subsequently discovered in his journey to Laos that tho benzoin imported into Siam was brought not from Laos, but from the Western provinces of China.

Benzoic acid is prepared chicfly from the Su-
matra kind of benzoin, the average yield from good samples being about 10 or 12 per cent. A kind of benzoin, from Penank, having a smell like storax, does not contain bellzoin, but chietly cimamie acid, whish has no commercial value.
The benzoic acid preparcil from gum bruzoin has an agreeablo odour of the benzoin, but an inferior kind is in the anarket prepared from the urine of the herbivora. It has a diflerent smell, indicating its origin. Most of the benzoin imported into loudon and sold at the public sales is re-exported to linssia, Grecee, and Romam Catholic countries.
'l'nc: Siam benzoin fetehes tho highest price, Lut tho 'tear' benjamin has almost disappeared from the market. The best Siam is now generally met with in small tlat pieces.
Dragon's Blood (Fr. sang-Iragon; Lat. sanguis Iracouis; Arab, damulākhwain; llind, heraduky; (ier. drachenblat; Dan. dragobloll; Span. and P'ort. sanguo de drago; Ital. saugui di (rago). 'line produce of a largo species of rattan palin (Palma juncus draco rumphius; Calamus draco; Willd.), a native of the islands of the Indian Archipelago, but principally produced in Sumatra and Borneo.
The berry of the Calamns draco, which is round pointed and about the size of a cherry, yiclds a resinous substance, tho dragon's blood of commerce.

Dr. Pereira describes the following kinds:-

1. Dragon's blood in the reed, dragon's blood in sticks, occurs in dark reddish-brown sticks, of from 12 to 18 in . long, and from +in . to $\frac{1}{2} \mathrm{in}$. in diameter, enveloped with the leaf of the Talipat palm and bound round with slender slips of cane. Supposed to be obtnined from a species of Calamus, perhaps C. druco.
2. Dragon's blood in oval masses, in drops, occurs in reddish-brown limps of the size and slape of an olive, enveloped with the leaf of the Talipat palm, which counects them together in a rin, like beads of a necklace. This kind is rare in England.
3. Dragon's blood in powder is a reddish powder of yery tine quality, imported from the East Indies. Is probably the dust of the fruit of the C. draco.
4. Dragon's blood in the tear oceurs in irregular pieces, some as large as the fist.
5. Lump dragon's blood varies in quality from fine to ordinary, and occurs in pieces of all sizes and shapes.
6. Dragou's blood in cakes occurs in flat oblong pieces, half the size of a brick, and mostly tine in quality. (Pereira's Materia MIcdica; Guillaumin's Diction. de Comneree.)
The following . O the imports in 1865:Copaiba, 230,508 :v. Peru, 17,626 lbs.; others unenumerated, $40^{\circ}{ }^{\circ}{ }^{\circ}$ bs.

BALITIMORL: large, opulent, and commercial city of the United States, in Marylamd, on the north side of the Patapseo river, abont 14 miles above its entrance into Chesapeake Bay, lat. $39^{\circ} 17^{\prime}$ N., long. $76^{\circ} 36^{\prime}$ W. Population in 1850, 169,054 ; in $1860,212,418$. It is now, 1867 , estimated at 300,000 . The harbour is spacious, convenicut, and the water deep. The exports principally consist of wheat-flour and wheat, tobaceo (of which it furnishes a larger supply than any other port in the Union, with, perhaps, the single exception of Richmond, in Virginia), Indian corn and meal; bacon, pork, rice, beef, lard, butter, cheese, and other articles of provision; with candles, soap, refined sugar, \&e. Tho imports principally consist of cottons and woollens, sugar, coffee, tea, iron, wine, braudy, silk
goods, spices, rim, de. The registered. enrolled, and liecnsed tomage, belonsing to Baltimore, June 30, 1866 , amounted to 69,505 tons, of which a large pertion was employed in the coasting trade. $\ln 15.57,57$ vessels of the burden of 12,410 tons were built at Baltimore, but this is above the average of late years. In 1865 momy 2 were built. The total value of the artielns imported into Baltimore in the vear endine Jme 10,1 sisi, was $10,010,000$ dollars ; the total value of the exports during the same vear being $11,(1) 1,493$ ditto. (Consular Reports, 1sibi.) lit Maryland the dollar is worth 7 s , bel. eurreney, 1/. sterlint being $=11$. 13s. the currency. For an accoment of the curreney of the dilferent states of the Luion, with a table of the value of the dollar in each, see Niw Yusk; and to it also the reader is referred for an accome of the forcign trate of the Enited States. Weights and measures same as those of Eughand.
The trade of bathmore was severely crippled by the civil war, and is now adversely athreted by- the high tarilfs and protective duties of the United States. This is especially the ease with the tra se between this port and the British West Indies, and with the export of tobacco. In 1866 it imported 180,570 bags of cotiec, chicfly from Hio, while among its receipts were 33,680 bales of cotton; of which 7,199 bales were exported. The Daryland crop of wheat was small in 1866, but that of maize was the largest ever known, amounting to $4,479,033$ bushels. The most inportant export, howerer, was petroleum, of whirh $1,982,36$ is gallons were sent to foreign comerics in 1866. There are thirtect or fourteen retineries congaged in distilling this prodnct. The price thactuates enormously, varying from a dollar per sallon, at which it stood in July 186i, to 32 cents, its priee in December 186\%. Baitimore also experts. large quantitics of provicions-beef, pork, butter, lard, bacon. In $1866,52^{-}, 680 \mathrm{lbs}$ of bacon were exported. The stork of tobacco in 1866 was 73,308 hhds. The largest exports of Maryland tobaceo were to bremen, Rotteralam, and liramee. The imports of coal, Gnce a large trade in this town, hawe been scriously eliecked by the emormons duties imposed on them. In some rases, as might be expectel, these excessive imposts have been evaded by wholesale smugrgling. (Comsular Reports, 18(ia.)
There is a lighthonse on Lazaretto Point, on the N. side of Baitimore island, lat. $39^{\circ} 10^{\prime}+2^{\prime \prime \prime} \mathrm{N}$.,

Oysters.-Baltimore is one of the principal places in the Union for the supply of oysters. In 1stif the entire produce of the fishory ammuted t? $8,000,000$ bushels, valuch at $5,300,000$ dollars. The vessels engaged in this trade were no less than $1,1(16)$, some of 50 tons each, and nearly bou other vessels were employed in bringing them to onarket. (Conswher Meqport, 18fiti.)

Commercial Regulations adopted by the Board of Trate, in Jume 1857: to obtain wherc mo expn, ss agreenent to the contrary erists.

Commisainn on Ceacral tusiacss.


On landing, re-shipping, or delivering goois from vissels in distres, oas value of invoicc On procuring or olitaining money on llottomer: or Re. Landing ena Bond on Vessels Heretivg and reshlppint on specie and billion
per rent 2) ereiving and Forwarking merchandise entereal at Custon Howe, nat lnvoice vilie 1 per cent., and vil expleses incurred
On consignments of merchandise withdrawn or re-shipped finl commiswions are to be charged, to the extent of alvantes or rexponsibilities incurered. and one-half commisuion on the residuc of the valuc.
The risk of loss by robbery, firo (unless insurance be ordered), theft, popular thmult, and ail other unavoidable occurrences is in all cases to be barne by the owners of the roods, provided the diligenee has been exercised in the sare of them.
On purchase nr sale nr rasels
On distursements and oult of vessel, 1)n procuring freignt and passagers
In collectine freight
On collecting insurance losses or all kinds
$\qquad$
Chartetirg sespls on nonsmit ar rretht * mated, in the considerel as due when the charter prarti nre signed
vo charter to
ne one of the copies ol' the charter has heen signetl. On giving bontli fur vessels under attieliment in litikated
cases, on antiount of halillty

The foreroing commisslous are exclusive of auction daty, and commissions. brokerare, storage, and every other elarge actually ineurred.

## Frcight and Freighting.

If a vessel is freighted by the ton, and no special acreement is made respecting the proportions :'; which each article shall be computed, the following shall be the standard of computation, viz. :


In estimating the contents in cubic fect, of varions packages and goods, the following shall be the standard:


In computing boxes of candles and soap, kegs of butter and lird, hans and baeon, and generally all similar articles, 200 lbs , nett weight shall be considered equal to a barrel of ${ }^{\circ}$; cubie feet.
All goods brought to this port on freight must be delivered on a wharf, at the expenso of the vessel bringing the same; a delivery, after due notice, on any good wharf at Fell's Point duriug business hours, is a delivery in the city and port of Baltimore. Mides and articles prohibited to be landed in the eity at certain feriods, may be lauded where the public authorities may direct.





## BALTIMORE

## fil all cases

quaratino regulations or city are obliged (by the dearge their cargo in the stremorities) to disdelivering the same east of borne by the earrier only. Iones' Falls will be by the consiguce to be deli But whea requested Falls, then the expense shall be uest of Jones' he etarrier aud consignee (each equally borne by If a vessel is chartered for one-half).
home, each shipper shall bo voyage out and proportion of the whole be entitled to his fuir rata, of the bulk or space occupied freight, pro per on the outward royagectupied by each ship-
freighted for a voyage out vessel is chartered or or charterer is bound to and home, the freighter or ballast at the port of harmish suficient eargo ward cargo, to enable said discharge of the outhome. and the same from vessel to return safely the charter provides from port to port, where provided no arreement to more than one port; by the parties.

## B.LMBOO

Itftes, dried
liemp, per ton -
hon and lead, jer fon
Crates of rartheraware arer hushet
All goods stored to bon storage if in store ten do subject to one month's hatf a month's storage. The ownery of ne.
putting then in store and de deliverine expense of Rates of Charges a

> to oitain crecept in cases of spercial ayreement. on storaze per sprecial agreement.

Hacon or butk meats in hhds.
liekled or butk meats in hhds.
inacon in tres.
tra tres. .
Hacon in trcs. sa tres.
ifitrd, pork, or hetfin brls.
Lard,

## Weights and Tares.

ron, itecl, hemperas, alum, brinstone, shot, leal, cles heretofore s, dye-woods, and all other artiof $2,210 \mathrm{lbs}$., shall in future cwt. of 112 lbs or ton hundred of 100 lb in future be sold by the decimal Tares shall be allowed of $2,000 \mathrm{lbs}$.
Sugar, in bluds. or tre as follows:-
10 per cent.; in boxes, 15 per per cent.; in brls. bags 3, amil mats $\tilde{j}^{\text {j }}$ per cent ceat.; do. in linen packages, the actual tare. Coffee in linen singl.
2 per cent.; in flour bris,, $20{ }^{2}$ lbs and grass bags,
other packages the actual tare. 20 lbs. each; in all Cocoa in bars, 2 per cent.
Pepper in lineu or singt.
cent.; in other packages, the actual bugs, 3 per Pimento in linen or single actual tare.

$$
\begin{aligned}
& \text { cent; ; in other packages, the gunny bags, } 3 \text { per } \\
& \text { Rice in tres. and hnif tron ture. }
\end{aligned}
$$

Rice in tres. and half tres., 10 per tare.
Copperas in hhds. or bres., actual per cent.
Teas, greeu, whole chests actual tare.
other packages, Canton tare. 20 lbs ., and in all
Cassia in Cassia in inats, 10 per tare.
packages, the actual tare. Indligo in ceroons, in sing

Ginger 2 per cent, andual tare.
Alum, brimstone, nutanegs aves 9 lbs. per bale. cheese, soap, candles, chocolate, cumonds, tigs, starch, and all other articles not befrants, prunes, the actual tare. For ia sack of
shall be considered as fair averalt, 216 lbs gross
No charge shall be made for we weight.
boves, or other packages whater easky, barrels,
Drafts as follows : On whatever.
$\$$ per cent. to be allowed for weightits ceen beam-


Turcs on luik meat; actuat.
l'ok or beef to be packed or repacked in a
Tho tonnage dines or 1 ity ordinances.
to and from the Britich 30 ceuts a ton. Vessels once a year. The harbour provinces pay this tax ton for all vessels of 60 tarbur dues are 2 cents a are no light-house dues. The upwards. There wharres. The pilots are organised aro vo publie under a state law, but it is optised, and chartered or not. The rates are-vessel ital to the them and over, inward 5 dollars pels drawing 15 feet dollars; from $1 \geq$ to 15 follars per foot, outward 4 ward a'; less than 12 feet, inward 4 dollires, outoutward 2.50 dollars. If the inward $3 \cdot 50$ dollars, tike a pilot, he is required the master does not license. This license, for which take out a pilot per ton, permits him to pilot whi he pays 6 cents is in force for a year. If he choose vessel, and tion on the a a license, to employ a pilot, a dedurds, of 20 per cent.
Vessels drawing 22 feet those drawing ls fect can come enter the port and (Private information.) For fine up to the wharves. Ldwards' British Shipuasters' Gur particulars, see BAM1BOO (Fr. bambors' Guide. Mndianiseher rohr; Ital. banmbubonches; Ger. Minlay, bîlûh; Jay. Preng). 4 ; Llind. rans;
the Bumbor everywhere armudinaeea of botanists ites of cane, everywhere within the or botanists. It grows
greatest greatest utility: strictly tropics, and is of the grass with a ligneous stem. speaking it is a pirgantic height of 40 or 50 feet, aud st often rises to the double those heights. Like mout andines to even extensively cultivated, it diver most plants long and eties, Some of these are dwartishto many variinstead of being hollow caures, are while otheribumboo is of rapid growth, and are solid. The years is fit for many urowth, and in four or five or grain till it be 25 nes, but does not bear fruit perishes. The grain makent oll, after which it young, but gigautic shoots, te crable braad. The the earth, make a tender as they spring from vegetable. The mature bamboo is emploved in
nn immense varict of houses, bridges, boats, agricultural imptruetion
\&c. Some varieties grow to such a size as to be, in the largest part, nearly two fect in circumference, and siugle knees of these are used as pails or buckets. The Chinese fabricate their cheap and useful paper of maceratnd bamboo, and use it in the manufacture of ropes, which are of great strength and solidity, for the rigging of their junks. The canes used in Europe as walking sticks are not bamboos, but rattans $\rightarrow$ a totally distinet class of plants. Bamboos are never used for that purpose. (Private information.)

BANCO. A word borrowed from the Italian, and used in certain commereial towns to distinguish real or ideal bank values from currency values. It is a term rarely used except at Hamburg.

BANDANAS. Silk handkerchicfs, generally red spotted with white. They were formerly manufactured only in the East Indies; but they are now manufactured of the very best quality at Glasgow and other places.

BANGKOK. The capital of the kinglom of Sian, situated about 20 miles direct distance, but nbout 30 by water, from the sea on both sides the rive: Mcianm, but chiefly on its left or eastern bank, in lat. $13^{\circ} 40^{\prime} \mathrm{N} .$, long. $101^{\circ} 10^{\prime} \mathrm{E}$.' The Mcinam opens in the centre nearly of the bottom of the Gulf of Siam. There is a bar at its mouth, consisting, for the most part, of nn extensive mud flat. The outer edge of this flat, which is little more than 200 yards broad, is sandy and of harder materials than the inner part; which is so soft that when a ship grounds on it during the ebb, she often sinks 5 feet in the mud and clay, which supports ber upright, so that she is but little incoavenienced. The highest water on the bar of the Mcinam, from February to September, is about $13 \frac{1}{2}$ fect; and in the remaining 4 months, somewhat more than 14 feet-a difference probably produced by the accumulation of water at the head of the bay after the sout:-west monsoon and by the heavy floods of the rainy season. On account of the deficiency of water on the bar, vessels sent to Bangkok had better, perhaps, not exceed 200 or 250 tons burden. In all other respects, the river is extremely safe and commodious. Its mouth is no sooncr approached, than it decpens gradually; and at Paknam, two miles up, there are 6 and 7 fathoms water. This depth increases as yon ascent, and at Bangkok is not less than 9 fathoms. The only danger is, or rather was, a sandbank off Paknam, bare nt low water; but a battery has been erceted within the last few years, affording at all times a distinct beacon. The chanael of the river is so equal, that $n$ ship may range from one side to another, npproaching the banks so closelr that her yards may it rally overhang them. The navigation is said to in equally safe all the way up to the old capital, Yuthia, 80 miles from the mouth of the river.

The city of Bangkok extends along the banks of the Mcinam to the distance of about $2 \frac{1}{2}$ miles, but is of no great breadth, probably not exceeding $1 \frac{1}{2}$ mile. On the left bank there is a long strect or row of floating houses: each hous? or shop, for they ure in general both, consisting of a distinet vessel, which may be moored anywhere along the banks. Besides the principal river, which at the city is about a quarter of a mile broad, the country is intersceted by a great number of tributary streams and canals, so that almost all intercourse at Bangkok is by water. The population has been variously computed at from 50,000 to 400,000 ; but, though probably in excess, the latter is no doubt the nearest to the mark. Half the population consists of Chinese settlers.

The common necessarics of life at Bangkok aro exceedingly cheap. A ewt. of rice may always be had for 2 s . and very often for 1 s . Other necessaries, such as salt, palm-sugar, spices, vegetables, fish, and even flesh, are proportionally cheap. The price of good pork, for example, is $2 \frac{1}{2} d$. per lb . $A$ duck may be had for $7 d$. and a fowl for $3 d$. The neighbourhood of Bangkok is one of the most productive places in the world for fine fruits; hera are assembled, and to be had in the greatest perfection and abundance, the orange and lichi of China, the mangoe of Hindostan, and the mangostein, durian, and shaddock of the Malay countries.
The area of the kingdom of Siam has been estimated at ahout 200,000 square miles, and its population at from nearly $3,000,000$ to $6,000,000$; both estimates being by the highest authorities, viz., Mr. Crawfurd, one of the most intelligent Englishmen that has ever visited the country, and the other by M. Palleroix, bishop of Siam. Sir John luowring reckons the population at between $4,000,000$ and $5,000,000$; but it is evident that no dependence can be safely placed on any of these estimates. From a quarter to $n$ third part of the population are supposed to be Chinese. Sir John Bowring says: 'There is no class of settlers, who, under proper control, are so likely to be useful as the Chinese. That passion for acquiring wealth, which leads them to dare all danger and difficulty, is a most valuable recommendation. Their habits of subordination, their inbred respect for authority, their gregarions spirit, which drives them into associations of every sort, private and public, praiseworthy and pernicious, only require a thorough knowledge of their character to be turned to the best accouat.' (The Kingdom and People of Siam, i. 243.) The Chincse are, in truth, by far the best and most valuable part of the population.

Trade.-Being near the mouth of a great navigable river, which rans througle the whole extent of the country, Bangkok is well situnted for commerce, and formerly she possessed a considerable trade. This, however, gradually fell off, in consequence of the monopolies nad other injudicious measures of the goverument. But latterly a more liberal spirit has prevniled; and since 1855, when the commercial treaty negotiated by Sir John Bowring (sec post) came into operation, trade has been largely extended; and the eapacities of the country are so very great that, were they at all developed, Bangkok could not fail to become one of the principal emporiums of the Enst.
The trade which is centred at Bangkok is principally carried on with China, Cochin-China, and the neighbouring countries, and with Singapore, Jnva, \&c. But vessels direct from England and other European countrics and the United States, occasionally arrive at the port. Pallegoix has given (tom. i. p. 327) a list of the articles, with their quantities and prices, that are usually shipped from Siam; but we prefer laying before the reader an account of the articles, \&c., that were really imported into and exported from Baagkok in 1864-65.

A large part of the imports consist of English cotton stuffs and twist, copper, iron and nails, shipping stores, $\mathbb{d}$. The imports from Clina comprise coarse earthenware and porcelain, spelter, quicksilver, tea, lacksoy (vermicelli), dried fruits, raw silk, crapes, satins, and other silk fabrics, nankecns, shoes, fans, umbrellas, writing paper, sacrificial paper, incense rods, and many other minor articles. Not the least valuable part of the importations are immigrants.

Tolal Quantities and Values of the Principal Articles Imported, including Bullion and Specie, at the Port of Dangkok, in each of the Yeara 1×64 and 1865.


Opinm has become an extensive article of consumption. It was formerly prohibited; but, to use the words of Sir John Bowring, 'The influence of the Chinese, the wants of the treasury, the impotency of prolibitions and punishments to preveut its importation, have led to the legalisation of the drug, and the establishment of an opium farm, for which a large sum is annually paid by an opulent Chinese contractor.' (Bowring's Siam, i. 205.5

The tonnage engagel in the trade with China formerly consisted almost entirely of junks; but latterly these have been to a considerable extent superseded by the employment of square-rigged vessels built in Siam after European models.
The supplies of many of the above articles, especially of sugar, pepper, rice, \&c., may be indefinitely increased. The principal sugar growing districts are situated in the immediate vicinity of the capital; and nothing is wanted but tho application of skill and eapital to the culture of the cane and the manufacture of the sugar to increase the produce of the latter to any amount. Pepper is mostly grown near, and is brought from Marinban, on the east side of the Gulf.
Total Quantities and Value of the Princinal Articles Exrported (exclusive of Bullion and
Specie) at the Port af Bangkok, in each of the Years 1864 and 1865.

| Principal Aritcles | 1861 |  | 1865 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quan- | Value | Quan- | Value |
|  | piculs | $\Sigma$ | piculs | ${ }^{2}$ |
| Rice | 2, 1199748 | 903,630 111,576 | 36,718 81,966 | 21,801 |
| Sugar | ¢ 97.261 | 111,576 | 81,966 | 104,458 |
| Sapan wood - | 47,490 | 21.372 | 96,117 | 39,426 |
| Paddy - | 40,678 | 13,376 | 10,324 | 3,483 |
| Nilt - | ${ }^{26} 9027$ | 31,375 13,63 |  | 31.961 |
| Teubseed | 26,927 | 13,463 | 32,016 | 24,011 |
| Salt - | 148,12! | 10,099 | 2:02,419 | 4.5,442 |
| Fish, salt | 126,136 | 36,534 | 87,512 | 120,329 |
| Musstle | 4,929 | 6,161 | 10,985 | 17,85] |
| ${ }^{\text {'Teak }}$ - | 9,806 | 1.5,116 |  | 16,115 |
| Cardamoms | 1,2653 | 11.859 4.810 | ${ }_{2}^{1,3600}$ | 12,118 36,136 |
| Pepper Stitiac Sta | 23.753 1.331 | 48,810 88.328 | $\begin{array}{r}2(, 281 \\ 4,74.1 \\ \hline\end{array}$ | 36,136 11,560 |
| Total | $\cdots$ | 1,317,984 | - | 529,2;6 |

M. Pallegoix states that the main obstacles to the extension of trade at langkok consist: 1. In the difficulty of disposing of goods within a limited period; 2. In the dilatoriness with which they are paid for; and 3. In the delay which attends the getting on board of a return cargo : and to obvinte these he suggests that foreigners trading with Sinm should have agents and warehouses in
the country, to whom they might consign their goods, to be sold according to the demand, and whe might purchase and accumulate, as oceasion served, articles of export. Those who act thus, he says, generally succeed. (Pallegoix, i. 326.)

Account of the British and Foreign Shipping cleared from the Port of Bangkok in 186t and 1865, specifying the Value of their Cargoes.

|  | cleared |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1861 |  |  | 19.5 .5 |  |  |
|  | 管 | Tons | $\left\|\begin{array}{c} \text { Value } \\ \text { of } \\ \text { Cargoer } \end{array}\right\|$ | $\begin{aligned} & n \\ & 4 \\ & 4 \end{aligned}$ | Tons | $\begin{aligned} & \text { Value } \\ & \text { of } \\ & \text { Carboes } \end{aligned}$ |
| British |  | 54,771 | 616,814 |  | 10,435 | $\boldsymbol{V}_{90,012}$ |
| Janlsh |  | N,010 | 6itasi | $\begin{aligned} & 37 \\ & 1 \end{aligned}$ | 16, | 90,012 |
| Putch - * - |  | 3,284 | 6,773 | 19 | 9,vit | 15,1990 |
| French - - - | 9. | 3,578 | 6,77 | $\stackrel{2}{2}$ | 919 | 3,159 |
| llanoverian llanseatic | 1.4 | 3,694 | = | 9 | 571 | 6,35 8 |
| Norwegian and Swedial | 12 | 3,096 | 22,331 | ${ }^{7}$ | 2,54 | 11,030 |
| Oldenburg - - - | 4 | 1,493 | 8.678 | 1 | $50(1)$ | 900 |
|  |  | $1.4 \times 6$ $7 \times 3 \% 3$ | 18,423 | 1 | 705 | 619 |
| Slamese | 101 | 62,348 | 564,500 | 79 | 30,816 | ( $\begin{array}{r}612 \\ 402,109\end{array}$ |
| Other Counlries | 10 | 2.723 | -1,64.5 | - | , | -100 |
| Total - | 472 | 171,335 | - - |  | 55,870 | 349,476 |

Port Dues and Duties.-Previously to 1855 British ships arriving at Bangkok were subject to certain port dues, but these were abolished by the treaty of that year. Duties on imports were at the same time fixed at 3 per cent. The duties on exports and trade regulatious are specified in the tariffs, de., annexed to the treaty. [Trearies, Commerctal. 7
lidur pean pilots are always in attendance outside tha bar. As soon as the river is eutered, all difficu!ties cease. Vessels are obliged to anchor at Puknam, a town situated about 3 miles from the entrance on the eastern bank. They there land their guns and ammunition, aud take on board a customs officer before proceeding to Bangkok.
l'aklat Lang, on the west bank of the river, 5 miles above Paknam, is the entrance to a canal which saves a circuit of nearly 10 miles to boats proceeding to or from Bangkuk. Ships must take the circuitous route by the river. The eanal reenters the river at the small village of Paklat Bon.
On arrival at Bangkok, vessels can, in any state of the tide, either lie alongside the wharves of their consignees, or, if proferred, anchor in the main stream, where every facility for unloading exists in the abundance of cargo-boats always at
land at a reavonable charge. There are no port dues on liurepean bottoms. On ships reporting at their reapertive en-ulates importers have to Pater particulare of their merchandise ut the Siamese custom-house, which thereon zrants the rustomary order to the handing waiter in charge to permit the landing of the grouds.

Ill morchandise (with the exception of specie) pays the unitiom ad valorem duty of $: 3$ per cent. I'rulate not direclly taxed on its production or tramsit to Dangkok from the interior, pays varions (:xport duties.

Moncys, Wrights, and Miasures.-Gold and eopper are not haced as money in Siam, and the cturency eonvist + only of cowrie shells and silver. The tenominations are as follows:-00 bia or cowrios make I pibai-nume; "p'lai-nmers, 1 wing-
 1 :alumgs, I bat or tical; 80 ticals, 1 cattic; 100 vaticu, 1 ןimul.

The standard coin is the bat, which Europeans hawe called a licul; but there are also coins, thometh lese frequently, of the lower denominations. 'These are of : rude and peculiar form. 'Ihey are, in: that, nothing more than small bits of a silver bar lerent, and the ends beaten together. They are impressell with two or three small stamp, not covering the whole surface of the coin. The caltic and picul are, of course, only nsed in peaking of largo sums of mones. Gohd and silver are weigh by bmall weirgty, which have the same denominations as the coins. The phaimuge, the lowent of these, is in this eane subdivided into $\$ 2$ sagne, or red beans, the $A$ brus prerulorius of botanists.

The bat, or tical, was assayed at the mint of Calcutta ; it was fomml to weiph 336 grains; its stanlatel, however, was meertain, and the valur of dillerent specimens varied from 1 rupere 3 mas anul 3 piice, to 1 rupee 3 anas and 7 pice. The value, therefore, in sterling money, is about 2s. tid, and it is so considered.
The denominations of the smaller coins are as follows:-


There is no gold money used in general, and the largest silver coin is the tical. The cattie and pienl represent merely weiphts of silver, and are only used for the calculation of large sums as in India is used the term lue.

In respect to nrdinary measures, the Siamese eattic is double the weight of the Chinese cattic, which, as is well known, is equal to $1 \frac{\mathrm{lb}}{\mathrm{lb}}$ avoirdupois. The pienl, howerer, is of the same weight, consisting in tue one case of 50 catties only, and in the other of 100. In weighing rice ami salt, a larre measure is used, ronsisting, in reapect to the tirst of 2 z piculs, and of the last of 25 piculs. Life is also measurel by the basket, of which 100 go to the large measure above mentioned.

The long measures are as follow:-12 finger brealths make 1 span; 2 spans, 1 cubit; $\cdot 1$ cnbits, 1 fithom; 20 fathoms, 1 sen ; and $100 \mathrm{sen}, 1$ yuta, or, as it is more commonly pronounced by the siamese, yut. The fithom is the measure of most frefuent use, and the Siamese have a pole of this length divided into its fractional pruts.

This, ns nearly as ear: be accertained, is cunel to about 6 feet 6 tuches. The sen appears to be also nsed in the admeasneenent of land, and to be the name of a "quare mensure of 20 fathoms to the side.

For the traty between Great IIritain and


This artid lan been compiled from iatormation prowured on the spot, and commmicated to ns by our frimid dolm ('rawfind, Lisif; from the Deserip) tion d" Rounum' Thui ou Sínm, 2 tomes, Paris. 18ish, de di. I'ullegoix ; Sir John Lhowrime's Accomet of the Kingulom ame Prople of' Simm? intiormation supplied by 'T, ( f , Kiox, I.sq., II.M. ronwul at lbanigkok; Clmsulur lleports: the Gulf of Stam 'Pilot'; and P’arliamentar! P'apers.
13.ANK—BANKING. Hanksare establishments intended to serve for the sate enstody and issue of mones; for facilitating its payment ly one indivihal to another; and sometimes for the necommolation of the public with loans.
I. Genemas. Punciries in mgamb to Careb Money and bankivg.
II. Havis of Deroste and lianks of Issee.

 of 1811.
V. Manafement of the hing of Diniland,
Yi. Checlathon, lite.. of the bank of England, and of the lixahtin Inofincial. banks.
lij. bines (scoteit).

- llif. baves (Itisit).
in. hinies of Venice, Amstehidam, mar.
X. Binks of Fieanck, hemidua, Austhas.
XI. Lanking in United Statis.

XII, basks fon sawings.
Sec. I. Geneliat Pminchleg in hegamd to l'aber Money and banking.
Suhstitution of Nistes for Coins.-Notwithstandiner the precioins motals ure in many respects admirably litted to serve as media of exchange, they hnve two very serious drawbacks, viz., their cost, and the diflicnlty and expense of carrying t- m from place to place. lif no bauk notes circulated in the United Kingrdom, it might be fairly assumed that from $35,000,000$ to $40,000,001$ mure sovercigas would be required far the publie: accommodntion than at present, including in those now employed the resertes held by the bankers: and the expense of such a currency, taking it at 3a, $500,0 \mathrm{col}$. und the rate of protit at 6 per cent., with an allowance of 1 per cent. for wear and tear and loss of coins, would be at least $2,625,000$. a-year. But the ireonvenience attending the use of a curreney consisting wholly of gold wonld be a much greater drawback on its employment tham its const. The wright of 1,100 sovercigns exceeds 21 lbs , troy; so tha ${ }^{2}$ were there nothing but enins in circulation, the conveyance of large sums from place to place to discharge accounts would be a very laborions process, and even small sums could not be conveyed without considerable difliculty. llence it is ilat most commercial and civilised nations have fabricated a portion of their moner of less costly and heavy materials. nul resorted to various devies for economising the use of coin. Ot the substitutes for the latter hitherto suggested, paper is in all respects the nost eligible. When governments are sudliciently powerful and intelligent to enforee the observance of contracts, individuals possessed of written promises from others that they will pay certain sums at specified periods
begin to assign them to those to, whom the. are indebted; and when those by whom such obligations are subseribed are persins of whose solveney no donlit can be entertained, they are readily necepted in payment of the alebis due by one individual to mother. lat when the circulation: of obligations or bills in this way has continned for a while, individuals begin to perceive that they may derive a prolit by jwuing them in suela a form as to lit them for being readily used as a substinute fior money ia the ordinary transactions of life. Hence the origin of baak notes or paper moner. In individual in whose wealth and diserction the publie have contidence being applied to for a loun, say" of $5,000 \mathrm{l}$, grants the applicant his bill or note payable on demand for that anm on hls receiving alequate security for its repayment with interest. Now, as this note passes, in consequence of the conlidence placed in the issuer, currently from hamd to hand as eash, it is quite as usefin to the jorrouer as if he had obtained an equivalent amonnt of gold; and supposing that the rate of interest is 4 per cent., it will ylekd, so long as it continues to circulate, a revenue of 2001, a year to the issuer. $A$ scuse of the alvantages that inight, in this way, be derived from the circulation of bills or notes led to the formation of banks for their regular insuc. 'Those who isane such notes, coin asit were their eredit. They derive the same revenue from the loan of their written promises to pay certain cums that they would derive from the loan of the sums themselves; and while they thas increase their own ineome, they at the same time contribute to inerease the wealth of the suciety. Besides being incomparably cheaper, bank notes are also incomparably mure commodious than a metallic currency. A bank note for $1,000 \mathrm{l}$. or $100,000 \mathrm{l}$. may be carried about with as much facility as a single sovereign. It is of importance, too, to observe, that its loss or destruction, whether by fire, shipwreck, or otherwise, would be of no greater importance, in a public point of view, than the loss or destruction of as much paper. No doubt it mieht be a serions calamity to the holder; but to whatever extent it injured him, it wonk pruportionally benctit the issuer. whereas the loss of coin is an injury to the holder withont being of service to anyone else; it is, in fact, so much abstracted from the wealtl! of the community.

Regulations in regarel to the Issute of Notes. -To obviate the endless inconveniences that would arise from the circulation of coins of every weight and degree of purity, were there no restrictions on their issue, all govermnents have forbidden the circulation of coins not of a certain specified or standard weight and lineness. And the recurrence of similar inconvenienens from the issue of notes for varying sums, and payable under varying conditions, has led, in most countries in which paper money is made use of, to the enacting of regulations forbidding the issue of notes below a certain amount, and laying down rules for their payment. In England at this moment no note payable to bearer on demand can be issued for less than 5 l, and they must all be paid the moment they are presented. In Scotland and lreland the minimum value of bank notes is fixed at $1 l$., the regulations as to payment being the same as in Eingland. In order to preserve the monopoly of the London circulation to the lank of England, no notes payable to bearer on demand are allowed to be issued by individuals or associations, other than the Bank of Eaglime, within 65 miles of St. Panl's. But beyond these limits they may be issued by certain banks, under the provisions of the Act $7 \& 8$ Vict. c. 32 \&c.

Distinetion between Bills of Exchange

Puper-Money,-Vniler the phraso paper-money or paper-currency, wo to not include bills of exchanfe, or bills issued by banker, murchamts, and others, mul payablo nome time niter tate. Such bills perform, in some respects, the mame functions as money; and have, in consequence, been frequently regariled in the same light at bank notes. liat this is quite improper: for though there are many points in which a bill of exchanipe and a bank note closely resemble dach other, there are others in which ihere is a distinct and material differeneo between them. A moto bears to be payable on demmad; it is not inclove. by a holder on his piving it away ; the party receiving has no claim on the party from whom he received it, in the event of the tulure of the issucrs. l'ractically rpeaking, this is the finct; but a person paying away a bank moto is liable to be called upou for repayment, Hhould the: bank fail beiore it was in the power of the party to whom it was paid, using ordinary diligence, to present it. The responsibility seldom exceeds a couple of hours, and can hardly in any case exened a couple of days. In prictice it is never adverted to; and everyone is thus encouragel, reckoning on the facility of passing it to anether, to aceppt bank paper, 'rien though he should doubt the ultimute solvency of the issuer.' ('Mhornton On Paper Cralit, p. 17̇.) Bills, on the contrary are almost all drawn payable at some distant period; and those into whose hands they come, if they be not in want of moncy, prefer retaining them in their possession, in order to get the interest that acerues upon them. But the principal distinction between netes and bills is, that every individual, in passing a bill to another, has to indorse it, and by doing so makes himself responsible for its payment. 'A bill eirculates,' says Mr. Thornton, "in consequence ehictly of the conlidence placed by each receiver of it in the last indorser his own correspondent in trude; whereas the circulation of a bank note is owing rather to the circunstance of the pame of the issuer being so well known as to give it an miversal creclit.' (Ibid. p. 40.) Nothing, then, can be more inaccurnte than to represent bills and notes in the same point of view. If A pay to 13100 . in satisfaction of a debt, there is an eml of the transaction; but if $A$ pay to 13 a bill of exchange for 100l., the transaction is not completed; and in the event of the bill not being paid by the person on whom it is drawn, 13 will have recourse upon A for its value. It is elear, therefore, that a ereat deal more consideration is always rapied, and may be fairly presumed to be given, before anyone accepts a bill of exchange in payment, than before he accepts a bank note. The note is payable on the instant, withont de-duction-the bill not until some future period; the nete may be passed to another withonst incurring any risk or responsibility, whereas every fresh issuer of the bill makes himself responsible for its value. Notes form the currency of all classes, net only of those who arr, but also of those who are not engaged in business, as women, children, labourcrs, de., who in most instances are without the power to refuse them, and without the means of forming any correct conclusion as to the solvency of the issuers. Bills, on the other hand, pass only, with very few exceptions, among persons engraged in business, who ure fully aware of the risk they rum in taking them. 'There is plainly, thercfore, a wide and obvious distinction between the two species of currency; and it cannet be fairly argued, that because cioverument interferes to regulate the issuc of the one, it should also regulate the issue of the other. To
use the words of Tord Mansfield, ' Dank notes are not, like bills of exchange, mere securities or tlocunnents for debis, nor are so estecmed, but are treated as money in the ordinary course and transuctions of husiness, by tho general consent of mankind; and on payment of them, whenever a receipt is required, the receipts nre always, fiven as for money, not as for securities or notes,' (Chitty On Bills, 8th ed. p. 555.)

Necussity of insuring the Comrersion of Brank Notes into Coin.-The taking of measures to inaure the convertibility of bank notes into coln is a matter which cannot safely ber left to the sliscretion or judpment of individuals, but which must be settled by Government. No bank notes should be permíted to circulate, about the equivaleacy of which to the coins they profess to represent there can be the smallest room for donbt. It is alleged, indeed, that in this, as in most otlur things, we may safely trist to tho prudence and sapncity of those who teal with banks; and that, if left to themselvew, the public will vary rarely be alrecived. Jut the widest "xperience shows that little, if any, lependence can be phaced on this doctrine. The pnalic is very apt to be misled, in the tirst instance, in giving contidence to or taking the paper of individuals or associations; and thourh that were not the case, the condition of an indiviclual or company may change from bad or expensive manarenent, improvident speculation, unvoidable losses, and tifty other things of which the public know nothinir, or nothing eertain. The fact that any particular banker who iswues paper enjoys the public contidence, is, at best, n previmption mrerely, and no proof that lie renlly acserves it. The public may believe him to be rich and discrect; but this is mere hypothesis; the circumstances which excite conidence at the ontset, and which preserve it, are often very deceptive; and in the vast majority of instances the public has no certain kbowlelge, nor the means of obtniniug any, as to the real state of the caxr. But it is maneceasary to argue this point speculatively. There have, mufortunately, been immonerable instances in which it lias turined out that bankers who have long been in the highest credit. and whose notes had been unhesstatingly acepted by the public, have been found to be, on the occurrence of nnything to excite suspicion, quite unable to meet their engagements.
The issue of notes is of all businesses that which scems to hold out the grentest prospect of success to the sehemes of those who attempt to get rich by preying on the public. The cost of engraving and issuling is nothing compared with the sums for which they are issned; and provided they be got into anything like extensive circulation, they become at once considerably productive. They are not issued, except, as previously explained, on the deposit of bills or other securities, yielding a considerable rate of interest; so that if an inelividual, or set of individuals, with little or no eapital, should contrive by fair appearances, promises, and similar devices, to insinuate himself or themselves into the public contirlence, and succeed in retting $20,000 \mathrm{l} .50,000 \mathrm{l}$., or 100,0001 . into cireulation, he or they would seeure a cood iucome in the meantine; and on the bubble burstint, and the inposture bcing detected, they wouli! be no worse ofl than when they set up their bans:. On the contrary, the presumption is, that they would be a great deal better off; and that they would taku care to provide, $n$ the cost of the credulons and deceived public, a reserve stoek for their finture maintenance. Hence, secing that the facilities for
committing fraud are no very great, the propricty or rather necessity of providing ayrinst them.

It is sometimea, no doubt, contended that the grand principle of the freedom of indnstry should be miversally respected; tbat it can in no case be departed from with impunity; and that it is not only iujurious, but unjust, to lay any restrictions upon the busiuess of banking. But we aro not to be lod astray by a cuckoo-cry of this deseription. The business of banking-that is of keeping and dealing in money-is one thing, while the manutacture and issue of notes, intended to be substituted for and to rervic as money, is another and a totally different thing. And though everybody may perhaps be allowed to undertake tho former, it by no means follows that the same license is to be extended to thoso who make and issuc notes. It is to be recollected that in matters of this sort, neither freedom nor restriction is, abstractly considered, just or unjust, good or bad, expedient or inexpedient. It is by their respective influence upon society that they are to bo judged ; and though a freo and liberal comrse of policy be in general most for the jublie advantage, there are very many cases in which it is neceqsary to impose restrictions. It is adinitted on all hands that governments are bound to suppress or regulate every business or pursuit which is likelv otherwise to beeoma publicly injurions. And does auyone doubt that the issue of notes payable on demand is in the foremost class of these businessos? The expericnec of all ages and nations is conelusive as to this point. It has been everywhere regulated, in the most denoeratical as well as in the most despotical states, in England and Russin, Ilolland and France, the United States and Anstria. Tho reasonableness of the practice necords with its miformity. Le clroit d'émettre ales billets est tressavantagenx; mais nussi il est si dangrerenx que l'Eitat doit ou s'en réserver l'exercice. on le régler de manière à en prévenir les abus. (heport on the Extension of the Privilege of the Bank of Frnuce in 1840.)

It may perhaps be said that bank notes are essentially private paper; that the accepting of them in payment is optional; and that as they may be rejected by everyone who either suspects or dislikes then, there is no room or ground tor interfering with their issuel But vague gencralities of this sort are entitled to very little attention. Everybolly knows that, whatever notes may bo in law, they are, in most parts of the comptry, practically and in fact legal tender. The bulk of the people are without power to retuse thein. The curreucy of many extensive districts consists in great part of conntry notes, nunl such small farmers or tradesmen as should decline taking them would be exposed to the greatest inconveniences. Everyone makes use of, or is a denler in, money. It is not employed by men of business only, but by persons living on fixed incomes, women, labourers, minors, and in short by every class of individuals; very many of whom being necessarily, from their situation in life, quite unable to form any estimate of the solidity of the ditlerent banks whose paper may be in circulation, are unitormly sevese sufferers by their failure. And as the notes which come into their hands make a part of the curreacy or money of the country, it is evidently quite as much the duty of Government, in the view of preventing these losses and the ruin they oceasion, to take such steps as may be required to make bank notes truly and substantially what they protess to be, as that it should take measures to prevent
the las deticie
Ban
negoti of pay bankin have a
have $n$ individ who ma
lart, h applyit lose 4 of Inve woubl 1 parts of practica pay the creditor there. Penzane
Londen ness ban and the of post commaiss the prosta is no rial neted in manacr. lieeent transmis: orders ba of bankinill of small the publl Legal. are merel are subse necount $t$ employme them. follows :-

No part bank note should be Wales no Irellanal 14 payable to issued by demanal, d bank notes as cash in litie them, provisions bank notes Act was pa the validity
The circ restrained 1766 to 17 $48 \mathrm{Gco} . \mathrm{III}$ notes, or than 20 s, , s from 20s. to
the issue of spurious coins, or the use of false or derleient weights and measures,
Banky afforl great facilities to the public in tho negotiation of bills of exchange, or in the making of payments at distant places. Many of tho banklug companies estallished in different districts have a direct intercourse with each other, and they have all correspontents in London. Hence an individual rexiding in any part of the country; who may wish to make a payment in any other part, however distant, may effect his ohjeet by applyiug to the lank nearest to him. Thus, suppose A of l'enzance has a payment to make to 1 l of Inverness: to transmit the money by letter would le liazardous; and if there were fractional parts of a pound in the sum, it would hardly bo practicable: how then will A manage? 110 will pay the sum to a banker in Penzance, and his creditor in Invemess will receivo it from a banker there. The transaction is extremely simple : the Penzanee banker orders his correspondent in London to pay to the correspondent of the Inverness bauker tho sum in question on account of $A$, and the Inverness banker, being advised lu sourse of post of what has been done, pays 13 . A small conmission charged by the l'enzance banker, and the postages, constitute the whole expense. There is no risk whatever, and the whole attair is transacted in the most commodions and cheapest manner.

Lecently, however, the facilities given to the transmission of money by menus of post-ofice orders have materially interfered with this branch of banking business, especially in the transmission of smalt sums, and are a great couvenience to the public. [Post Office.]

Legal Description of Bank Notes.-Bank notes aro merely a species of promissory notes. They are subscribed either by the parties on whose nccount they are issued, or by some one in their employment, whoso signature is binding upon them. A Bank of England note for $5 \%$ is as follows:-

## 3anta of englant.

I promise to pay the Bearer on Demand
> the Sum of fitur Pounds.
> 1858 Decr 14 Jondon 14 .Deer 1858.

For the Gov' and Compy of the
£ftitur. BANK OF ENGLAND.

## A. B.

No particular form of worls is necessary in a bank note. The essentinl requisites are, that it should be for a definite sum (in England and Wales not less than 51. , and in Scothand and Ireland not less than 11.), that it should be paynhle to bearer on demand, and that it should be properly stamped. Promissory notes, though issued by bankers, if not payable to bearer on demanil, do not come under the denomination of bank notes; they are not, liko tho latter, taken as cash in all ordinary transactions, nor are they, like them, assignable by mere delivery. By the provisions of $27 \& 28$ Viet. c. $\mathbf{8 8}$, the signatire of bank notes may be impressed by machinery. The Act was passed in order to remove any doulbt as to the validity of such notes, de.

The circulation of notes for less than 51, was restrained by law (stat. 15 Geo. Ill. c. 51 ) from 1766 to 1797 . In 1808, it was enacted by stat. 48 Geo. III. c. 88, that all bank notes, promissory notes, or other negotiable instruments for less than 20s., should be alsolutely void: a penalty of from 20s. to 5l., at the diseretion of the justiees,
being imposed on thelr insuers. It was enneted by the $\%$ Geo. IV. c, fi, that the insue of all bank notes or promissory nutes for less than 51 , by the Bank of Eugland, or by any liecused English bankers, and stamped February 3 , 182t, or privionsly (after which periol such notes were not stamped), shauld terminate on April $5,1829$.
The stamp duties or bank notes or promissory notes payable on demand are-

|  | s.d. |  | 1. A. | 2. d. |
| :---: | :---: | :---: | :---: | :---: |
| Not exceeding | $\begin{array}{ll}1 & 10 \\ 1 & 10 \\ 1\end{array}$ | andi not esceeving | $2{ }^{2}$ | $\begin{array}{lll} \left.\begin{array}{lll} 11 & 11 \\ 0 & 0 & 10 \end{array}\right) \end{array}$ |
|  | 411 |  | 50 | 015 |
| " | 3 3 <br> 10 0 <br> 10  | " | $\begin{array}{lll}\text { min } \\ \text { \% } & 11 \\ 0\end{array}$ |  |
| $\because$ |  | : | 穼110 |  |
| "̈ | 困 10 | . | (11) "10 | 1130 |
| " | 515 00 | $\cdots$ | (1x) 00 | 08 |

Which notes may be reissued after payment, as often as shall be thought fit, provided they be issued by a banker or person who has taken out a license, renewable annually, and costing 30l., to issue notes payable to bearer on demand. Any lonker or other person insuing such reissunble notes, without being duly licensed, shall forfeit 1001, for every offience. ( 55 (Geo. III. c. 18 - s. 27.)
'These conditions do not apply to the llank of England. The stamp duties on the notes of that establishment wero formerly compounded for at the vate of 3,5001 . per million of those in circulation; but the Act $7 \& 8$ Vict. c. 32 , has wholly exempted them from all clarge on aceount of stamp duties.
Notes or bills not payable to hearer on demand are not reissuable, imiler a penalty of 501. For the stamp duties affecting them, see Exciangaf.

By the 9 Geo. IV. c. 23, English bankers not in the city of London, or within three miles thercof, aro authorised to issue promissory notes, and to draw and issue bills of excliange, on unstamped paper, for any sum of 51 . or upwaris, expressed to be payable to the bearer on demand, or to orler at any period not exceeding 7 days after sight (bills mny also be drawn at any period not exceeding 21 days after date), upon obtaining licenses, costing 301., to that effect; provided such bills of exclange be drawn unon bankers in London and Westminster, or Southwark ; or provided such bills be drawn by any banker or bankers at the place where he or they shall be licensed to issuc unstamjeel notes and bills, upon himself or themselves, or his or their copartner or copartners, payable at any other placo where such banker or bnukers shall be licensed to issuc such notes and bills. Bankers having such licenses are to give security, by bouk, that they will keep a true necount of all promissory notes and bills so issued, and account for the duties on them at the rate of 3s. $6 d$. for every 1001., and also for the fractional parts of 1001. of tho averago value of such notes and bills in circulation. Persons postlating unstamped notes or bills shall, for every such offence, forfcit 1001 .
Legal Effeet of the Payment of Bank Notes.Notes of the Ihank of Englanil were not. previously to tho Act $3 \& 4 \mathrm{Wm}$. IV. c. 98, like bills of exchange, mere securities or documents of debt, but were treated as money or ensh in the ordinary course or transuctions of business: the receipts given upon their pnyment being alwnys given ns for money. Now, however, they are legal tender, everywhere except at the Bank, for all sums above 5I. All notes payuble to benrer are assignable by delivery. The holder of a bank note is primì facie entitled to its prompt payment, and cannot be affected by the previous fratud of any former holder in obtnining it, nuless evidence be given to show that he was privy to such fraud. Such privity may, however, be inferred from the circumstances of the case. To use the words of Lord

Tenterden, - If a person take a bill, note, or any other kind of security, under circumstanees which onght to cercite suspicion in the mind of any rensonal)le man acpuainted with the orilinary affairs of lili, and which ought to put him on his guard 10 make the necessary enquiries. and he do not, then the leses the right of maintaining jossession of the instrment against the lawfinl owner.' (tiliddhall, October 2is, 182ti.)
Cumbty bank uotes are nsually received as ensh. lhat though taken as such, if they be presented in rlue time and not paid, they do not amomit to a payment. and the deliverer of the notes is still liabile to the holder, lt is not easy to deacmine what is o due or rasomable time, intamuch as it must depend in a great measure on the circunstames of earh particular case. On the whole, the safest rule seems to he to present all notes or dralts payable on demand, if received in the place where they are payable, on the clay on which they are received, or as soon after as possible. When they have to be transmitted by post lor paynent, no unnecessary alelay shonld be illowed to intervenc. (Chitty's Commercial Lare, vol. iii. p. 590.) [Check.]

Among the schemes devised to secure the convertibility of notes into coin, the following are, perlaps, the most prominent, viz.-

1. Measures sugyested to insure the conersion bf Notes into Coin. Inalcquery of these Measmres.To eontine the issue of notes to joint-stock banks, or associations with large numbers of partuors, mach of which should be indetinitely liable for the clelsts of the as:ociation. At the time when this elescription ol banks was established by the 7 Geo. IV. e. $4 t$, it was supposed that they would prove to be of the greatest advantage, and afford that complete security to the holders of their notes, and those who entrusted them with moner, that is so desirable. But everybody knows that these antieipations have been entirely disappointed, and that the history of the joint-stock binks founded muler the above statute discloses some of the most flagrant instances to be met with of recklessness, imposture and fraucl. And this, after all, is ouly what might have been expected. The shares in many joint-stoek banks are small, few being above 100l. the great er na aber not exceeding 50l., whilst many are only $25 /$, and some not more than 101 , if so much. Generally, too, it is understood, or rather it is distinetly set fortli in the conditions of partuership, that not more than ten. twenty, or tifty per eent. of these shares is to be called for; so that an individual with a few pounds to spare may become a shareholder in a hank. And owing to a practice or rather a fliderant alnse, introduced into the management of varions banks, of making large advances or tiscoumts on the cred't of the stock held by thareholders, not a few mdividuals in doubtful or even desperate circumstances take shares in them, in the riew of obtaining loans, and bolstering u" their eredit! The great danger arisingr from such banks is olvions, and when one ol them stops pityment, the elaims on it, if ultimately made sood, can be so only at the cost, and perhaps ruin, ol such of its proprictors as have abstainel from the abusive practiees resorted to by others.

At the same time, howeser, it is quite plain that a joint-stock lank, provided it possess aleguate cappital, and is discrectly managed, may athord ample security to its sharcholders and the public. And it is further plain, in the erent of jis shareholders being a vumerous bodr, comprising, as is sometimes the cas. humilreds of itdividuals, many of whom have large fortunes, that its creditors, though exposed to immediate
injury, may in the end have little or nothing to fear, even irom gross mismanagement. But it is very dilficult to discriminate between one variety of joint-stock banks and another. A bank may have a coasiderablo body of proprietors; but, though the contrary opinion may prevail, few of them may bo wealthy, and many incre men of straw, so that the security allorded by such a bank may be worth little or nothing. Xeither is there any foundition for the notion, that beatere a bank has fifty of a humired partners, it will bee either richer or better managed than if it had only tive or ten. In truth, the presumption seems to be quite the other way. 'The petty sulseriptions, of many may amont in the aggregate to a comsiderable sum, which, however, may bo greatlyinferior to the fortanes of a few wealthy individunls. And when the latter engage in banking, or any other sort of businees, they must, if they would protect themselves from rair, pay unremitting attention to their concerns, and act in a discrect and cantious mamer, But the partners and managers of a great joint-stock company art nnder no such direet and pressing responsibility. 'I think,' said the lighlest anthority on sueh subjects,' that joint-stock banks are delicient in everything requisite for the condnet of bankinur business, exeept extended responsibility; the banking business requires jeculiar persons attentive to all its details, constantly, daily: and hourly watchful of every transaction, mond more than mereantile or trading businesses. It also requires immediate, prompt decisions upon cisemmstances when they arise-in mane eases a decision that does not admit of delay lor consultation; it also requires a discretion to be exeresed with reference to the special circumstances of each ease. Jointstoek banks, being, of course obliged to act througls arents, and not by a principal, and therefore under the restraint of general rules, cannot be guided by so nice a reference to degrees of difference in the character or responsibility of parties; nor can they molertake to regulate the assistance to be granted to concerns under temporary embarrassment by so accurate a reference to the circumstances, favourable or unfavourable, of cach ease. (Wuidence of Lord Overstone, before Committe on Bank Chrurter, in 18.10.)
In fict, more than nine-tenthe of the partners in joint-stock banks are wholly ignorant of banking business, and have nothing better to trust to than the supposed honesty and intelligence of the directors; and, even if they were adguanted with the business, the result wombl be nearly the same, us it would not be possible for anyune, by a cursory inspection of the books of a bimk (if such were permitted), to form an accurate estimate of its condition, or of the mode in which it transacted business. Ind henee the directurs in these establishments are practically all but absolnte. lit they be carefully selected, and be worthy of the conlidence placed in them, all goes on smoothly; and this also is the ease when they are most unworthy, till they have involved the concern in inextricable difliculties! The history of the Norwich Bank, of the Northern and Central Bank, the Marylebone Bank, the Manchester Bank, the London and Eastern Bank, the Royal British JBank, the Borough Bank of Liverpool, the Western Bank of Glasgow, and a host of others, sulliciently attests the truth of what has now been stateril. The responsibility of the ditectors to the shareholders has not been fommd, in anf af these instanecs, to have been any check whatever over their frauds and improvidence. The whole paidup capital of the Western bank, amounting to $1,500,0001$., had been wasted in the most improvi-
dent sp that of and Eas dircetur contract holilers were oth IVe ma occasiont perverted is not to merthers, beconnes, privations beyond th teil years about $t, 50$ sipated in And as nine shoned by hidel little o to imacine given to re purious it $m$ heir own ca It is clea joint-stock illairs will notes miturn 2. Toinsur com, it has be issued excep siven for the madividual or $900,000 \mathrm{l}$., or ot ireviously to itplointed for over lands, hot perty for an et this would be in Under a systen capital, and sha to the public, , was not a busine profit, and that j parties possessed But though a considerable ext not withstanding, In the tirst pla the ult imate pityr their immediate their advantigeo
stoppage of a but stoppage of a binl would have to be steps could be tak had been done, son to clapse beforo t their produce mat of the notes, Mos ating and ancertai unider the host fils the sims for which the everst of the oeen slate of credit, it mis, to convert the scenri at a heayy loss. trom siving that of bersime of notes in blunh of the matter, it it has been extunsiv. of the United States tops payment, its disecmint, which, of co perni iar ciremmstance
post.)

But supposing that

## dent speculations and a vast debti BANK-BANLING <br> and of the Royal British Bank and of the London

directors or bank had been seized upon London contrurs or their dependents, and additional debts holders had before the great body of the sharewere otherwise than prosperons that the companies We may observe prosperous!
occasioned byserre, by the way, that the mischief perverted from its proper whent of this sort, when is not to be cetimated by objects and mismanaged, partners, and probably also on its customers. it privations in fact, a public nuisance, and custo It privations on many who might be sugposed to be beyond the sphere of its intluence. Wulposed to be
tein yenrs radint with the about $1,500.000 \mathrm{~m}$, 18 ith 18.12 it was estimated that sipated in Manchestar ming eapital was wholly disAnd as nime-tenths of the its immediate vicin issioned by advances thade to cuormous loss was vecithatd little or no cap: nald to manatacturers who to imagine what a $\mathrm{r}:$, heir own, it is not easy given to recklesg min stimulus it must have jurious it mast ave deen to and how very intheir own eapital. It is elear, the
joint-stock banks alorily no sece institution of athairs will be properly no security that their notes mitormly properly administered, and their

> P. Tuinsure the courertibility of bankented.
coin, it has been proposed that of bank notes into issued exeent upons scentity they should not be fiven for their payment. That, being previously individual or company intending, for example, ain 200,0002 ., or other sumy intending to issue $100,000 \mathrm{l}$., previously to deposit in the hands, should be obliged appointed for the purpose, hands of a fumetionary over lamuls, houses, stockes or atproved securitie's perty for an equal amomont. And at is ailable prothis would be in many resic. And it is phain that Under a system of this sort, atventient measure. capital, and sharpers anxious to become ind whont to the public, would find that to become indebted Was not a business by which that the issuc of notes profit, and that it mast be exclusively rexerect to parties possessed of a dequate capital reserved for Buf though a plan of this sorpital. considerable extent the objects in wid effect to a notwithstanding, two cardinal in view, it has, In the first place, though it were fitted viz. the ultimate payment of notes, it would not secure
their their mmediate payment, which is essential to their advantageons cmployment as monential to
stopnage of a bank which would have to be official had deposited securities steps could be taken ofinly ascertained betore any had been done, some considerabse; aud after this to clapse before they could be time would have their produce made a conld be disposed of, and of the notes. Most securitics for the liquidation ating and uncertain sealue, and might of thactuunder the most favourable circumight not, even the sums for which they were pletances, realise the event of the oceurience of a pledged. And in
state of disturbed state of credit, it might be impossible inmedisturbed at a heay y loss. This plan isash, or possible only tron giving that eftictund isecurity fore, very fiar 'Cersion of notes into coin, whict for the conblush of the matter, it appears to ach, on the tirst it has been extensively acted apond. Latterly; of the Cuited states ; aud theon in most parts stops payment, its notes and there, when a bank divemut, which, of course, varics aceording sold at a peouliar circumstanees anse, raries according to the post.)

But surposing that this plan were effectual,
Act of 1857
which it is not, to insure the immediate eonits not py of notes into coin, it is defective conits not preventing their over-issue. A paper cur--1. Each particular not wholesome state, uuless rency be paid imin note or pareel of such car2. Unless the whole curcely on demand; and, and ralue exactly as a metacy vary in amount do were the paper eurrency withe currency- would substituted in its steal. ${ }^{\text {th }}$, withdrawn and coins quito at indisperasable to the last condition is established curreacy to the existence of a wellthat cannot be realised the former; and it is one tining the supply of paper to a wise than by con-
The issues of paper moner single sourec. determined by the exeliange should always be inthex and etliux of bullionge, or rafher by the lattor is tlowing into a country, and when the When it is being exported country; and decreasing: of paper is in the hamds of And when the issue to its interests will mats of a single bodr, a regard with reference to thake it regulate its amonnt power to issue notes is principle. lint when the some of which may be little in different bodies, variations of the exchance, this at all, aflected hy case. And instaness have, this is no longer thy as will afterwards be have repeatedly oceurred, having increased their issues who country banks was unfarourable aud the when the exchange Hence the plan of exacting senreney redundant. defective, imasmuch as it neither in is doubly immedinte conversion of nother insures the prevents their orers-issue. notes into coin, nor 3. The only ollier ple.
version of notes into coin, for insuring the conthem on a level therewith, to which for keeping sent necessary to allude-conwich it is at prefor the publicity of the -consists in providing which they are issucd. afthirs of the banks by under this system, are usually insues of binks,
tixed somed proportion to their equital to bear some some considerable share, of whict the whole, or up before the bank begins of which is to be paid quarterly, half-vearly, or aunual returus monthly; after to be published, or annual returns are therebank, and cnabling, as it is said the state of the indge whether it be safe to deal with it public to is almost needless to say theal with it. But it are no protection ngainst frum such regulations and that, in reality, they are fritulut dealings; unless it be to deceive aid are good for little, It is impossible, if the and mislead the public: other association wish to mayers of a bank or unintelligible return, to thinder a deceptive or when they wish to mak hinder them. Aud even they must frequently makeally necurate return. from their inabilite $t$, estime one that is false, and other assets at their just their bonds, bills, usidess to insist on what is just value. But it is 'cooking of returns,' as it has be bevious. The art that is well understood and been called, is an tised. Long after the capital oftensively praccipitated been wholly lost, and of the British reeptated into the abyss of and it had been prerectors did not hesifate to bankruptey, its diin which it was represented to be in statements, condition, and a divisioned to be in a prosperous And this, unhappily, is not a a recommendefl! It is only one example, not a solitary instance. of a very large example, and that not the wort it is more than suflicient to shoy But such as it iv, chullish to place any to show that it would be referred to. pace any confidence in the returns
Bankers,- - It may, hoowst fraudulent Returns ly late Aet, the 20 is $2 f$ Vict, be supplosed that the ponishment of framds committer (1857), for the
bankers, and others, will put an end to the practices hitherto complained of. luat though it were much to be wished that such should be the case, and though, no doubt, it will have considerable intluence, it will not suffice to repress the evil. Besides making bankers and others who embezzle, appropriate, or make away with property entrusted to their care, guilty of a misdemeanour, the statute goes on to cuact, "That if any director, manager, or public officer of any body corporate. or public company, shall make, cireulate, or publish, or concur in making, cireulating, or miblishing, any written statement or accome shich lie shall know to be false in any material particular, with intent to deceive or defrand any member, shareholder, or creditor of such body empjorate or publie company, or with intent to induce any person to become a shareholder or partuer thercin, or to intrust or advance any money or property to such body corporate, or public compary, or to cnter into any security for the benetit thereof, he shall be guilty of a misdemeanour.' (Sec. 8.)
And it is further enacted. 'That every person found guilit of a misdencomour under this Aet shall be liable, at the diseretion of the court, to be kept in penal servitude for the term of three vears, or to suffer such other punishment, by imprisonment, for not more thm two years, with or without hard labour, or by tine, as the court shath award.' (Sce. 10.)
It is ditlicult to sce how, under a law of this sort, such flagrantly false statements as those put forth by the lioyal British mad other banks, atter they were in a state of utter bumkruptey, shoudd not subject their authors to the full penalties of the statute. But villany is fertile in rest, irces; and no severity of 1 mishiment has ever been found to be effectual for the suppression of crime. Though it may be fairly presumed that the 'cooking of returns' will be less freduent, and less glaring, in time to come than formerly, it wonld be idle to expect that it should ever be wholly put down. Aud, as already seen, even when the directors of a bank are so disposed, it will frequently be out of their power to lay befure the public a really true statement of their atbuirs. It is pain, then, that this sor-ealled publicity affords nothing appronching to that undoubted and unquestionable guarantere which should be required from all parties and ansin ations empowered to issue notes.

But the diffieulties in the way of insuring the conversion of the latter into coins, though great, are not insuperable. A phan originally sugenested hy Lord Overstone, and adopted and carried into rittect hy Sir lobert Peel, has been fund to be quite effectual to secure this gramd oljocet. And it has the additional and important recommenelation, of having done this without sulbjecting the public to any sensible inconvenience.
lint before entering into un exposition of the plan referred to, it will be necessary to premise some dotails with regard to the emstitution and action of the existing banks.
Sec. II. Banks of Detrosit Ant Banks of
Principles on which they are astablished.Jhuks are commonly divided into bunks of deposit and bunks of issue: i. e. banks that take care of other people's money, and banks that issuc money of their own. But there are few banks of issue that are not at the same time hanks of deposit; and the latter are further divisible into two great classes: viz. those who do and those whe do not issue the money of their custumers. The banking companies established
in this comintry belong to the first class; white the old Bank of Amsterdam did, and the existing Bank of Harbburg does, belong to the second class.
Advantages of Bankers.-Instead of keeping meney in their own houses, where it would be exposed to various accidents, and to the attacks of thieves and robbers, most people wisely commit it to the care of a banker, and avail themselves of his services in receiving and making payments on their accomit. They send to their banker such sums of money as they may happen to receive, and all bills and drafts payable to them; and ho becomes responsible for their amount, for the regular prescutation of the bills for acceptance and payment, and for their proper noting, if not aceepted or puid. It is also the practice for parties who have an account at a bauker's to make all considerable payments by cheques payable by him. As tim discharge of these functions involves considerable risk and expense, it is usual for bankers either to charge a percentage for their trouble, or to stipulate that the parties dealing with them shall keep an average balance of cash in their hands corresponding to the amount of business transacted in their behalf. In this way business is carried on with safety, ease, and despateh; and at much less expense than it would be if individuals kept their own money, and made their own payments.

Of the sums paid into banks, some are intended to meet the cheques and orders drawn against them in the ordinary course of business; while others are sent rather for safe custody, to be retained, till opportunities be foumd for their investment. The former are generally placed under what are called drawing, and the latter mader deposit aceounts; but there is no difference between the two, except that the sums in deposit accounts are usually permitted to lie for louger periods without being operated upon or called up. Such portions of the one or the other as the bankers do not retain in their coffers to metet the asual demands of their customers, they employ in the discount of bills, or in making advances of one sort or other, generally at short dates, to those who require them, and in whom they think they may confide.

This last is one of the most important functions performed by banks of deposit. They become, as it were, receptacles or reservoirs into which the surplus or unemployed capital of the surrounding districts is collected, and from which it is agnin distributed to those who want it. And it may be proper to observe, that the bankers do not always, nor perhaps even most commonly, contine their advances to those who ean give security for their repayment. On the contrary, they are often more intluenced in making loans by their knowledge of the conduet, the intelligence, and the pursuits of the parties, than by anything else. And it fre'quently happens that industrious, frugal, and enterprising young men, who have no guarante to other save their character, obtain advances that. would be denied to wealthier, but otherwise less trust worthy parties.
On this, as on most other points, the hete evidence of Lord Overstone is highly instructiv?
Q. But, generally speaking, persons who have no capitul, have very little opportunity os raising monev, have they? Ans. 'That ecrainay is not so. The whole principle of banking is to atford capital-to transfier it from the inactive arcumulator to the active und energetic person who wants the capital. The banker is the gobetween, who recrives deposits on the one side, and on the other applies those deposits, intrusting
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them, in the form of capital, to the hauds of active, energetic persons, who, he thinks, will make a grod use of it.
Q. Who have no security to pive? Ans, Who have in many instances no security to give, except their character, and skill, and talent, of which the banker forms his judgment.
$Q$. To persons of character who lave no other security to give? Ans. 'To persons ot character who, in some cases, have $n 0$ security to give; hut who, in all cases, have no security to give equal to the amount ndvanced to them, except tbat best form of sceurity, their characeer, their energy, and their prudence. (Minutes of Evidence, p.348.)

But without insisting on these considerations, which, bowever, are not a little important, it is manifest that those who have capital to lend, and those who wish to borrow, are equally indebted to the agency of the bankers, who, while they enable these great classes mutualty to assist each other, contribute to increase the public wealth by facilitating the flow of capital into the most productive channels.

Credit, Definition of:-Bıt, however great, this advantage is not to be evaggerated. Though banks afford valuable assistance in the collection and distribution of capital, it must not be supposed, as is often done, that they have any direct influence over its formation. That is the joint effect of industry and economy-the former in producing convenient and desirable articles, and the latter in saving and preserving them for future nese. Credit is neither more nor less than the transfer of money or other valuable produce from one set of individuals called leuders, to another set enlled borrowers-a transier which is greatly facilitated by the establishment of banks. And as there can be no reasonable doubt that those who borrow have, in the majority of instances, better means of employing capital with advantuge than those by whom it is lent, its transference from the one to the other will, in so far as this presumption is realised, be pmblicly advantageous. luat this is the entire extent of the beneficial influence of what is called credit; and when it happens, as is too often the case, to divert capital into the pockets of knaves and gamblers it is disadvantageous. No doubt we frequently hear of great under skings being carried on by means of credit; but such statements are entirely false and misleading. They will, indeed, be miformly found, when analysed, to mean only that the midertakings are carried on by means of borrowed capital. Credit is impotent to effect anything whatever. It is, in fact, a mere name for the trust reposed by a lender in a borrower. To call it capital is as much an abuse of lauguage as it would be to call weight colour, or colour weight. It may transfer money or produee from A to B , or from C to D , but that is all that it either does or can do. When credit is snid to be high, nothing is really meant save that those who have money or capital to lend have great contidence in the borrowers, and conversely when eredit is said to be low.

Banks sometimes cncourage Gambling and Over-trading.-Banks, when not conducted by men of probity, skin!, and caution, are very apt to excite and inttame 1 spirit of speculation and gambling. They to thir, by furnishing speculators with louns and diseou's., by means of which they are not enabled nerely, but tempted, to engage in hazordovs enterprises. And for a time, or while the process is going on, everything wears an air of prosperity ; and those old-fashioned houses, as they are ealled, that carry on a legitimate business on sapital of their own are frequently undersold
and driven from the market by the competition of adventurers trading on the funds of others, really to encounter any risk, and hiving in the greatesit splendour. llat at length the thing is overdone, the bubble bursts, the worthless machinery of fictitious bills, rediscounts, and so forth, is exposed, and the tragi-comedy is womd up by the offer of a composition of some $1 s$ s. or $2 s$, per pound. Bankers and money dealers who employ the money entrusted to their care in se reckless a manner, are fitter for Newgate than for the situations they so unworthily till. It would be a great stretch of charity to suppose that advances of the kind now alluded to can be wholly the result of imprudence. lhankers have peculiar means at their clisposal by which to beco ne acquainted with the character, position, and capabilities of those who apply to them for advances. And it is their duty to avail themselves of these means to distinguish between the careful and the improvident or reckless traderbetween the man who may and the man who may not be trusted. It is difficult to believe, provided they make the necessary enquiries, that they should be often or greatly deceived in their judirment of individuals; and, provided they act with due caution, they will never so far commit themselves, even with the most respectable tirms, as to endanger their own establishment in the event of the failure of the latter. lankers may risk their private fortmes, if they have any, as they please, hut they are not entitled to risk the money of their constituents by making advances to equivocal parties, and especially to those who are notoriously overtrading. It is inpossible, perhaps, to bring an abuse of this sort within the meshes of the jenal law, but it cannot be two strongly condemned in the opinion of the pubtic. There is nothing about which people should be so cautious as the employment of bankers; aud high character, experience, and reputation for prudent managenient, ought always to have the preference over fair promises and prospectuses, even when the latter are backed by offers of ligh interest.
Interest on Deposits.-The private bankers of London have not been, until recently, in the habit of allowing interest on deposits, though in special cases it was sometimes done. liut in Scotland, and also in many parts of Eugland, it bas been long the practice to pyy an interest on teposits of from one to two per cent. less than the market rate at the time. And the joint-stock banks set on foot in the metropolis since 1826, having introduced the practice of giving interest on deposits, providel a certain notio (generally from three to eight days) be given before they are withdrawn, very large sums have been deposited in these establislıments. Most private banks have been compelled, in order to maintain their position, to adopit in a grenter or less degree the same system. There can, indeed, be little doult that it will, in no very lengthened period, become universal, and that the amount of deposits will be progressively and largely augmented.

By bringing, as it were, the advantages of savings' banks, without any of their limitations, within reach of all classes, of the middle and upper as well as of the lower, this system is, in many respects, highly advantageous. It may, indeed, be doulted whether any means could be devised more likely to generate and diffusa a spirit of economy. Unhappily, however, its advantages are ulloyed by the formidable clisadvantage of its involving a great amount of insecurity and hazard.

Dangers incident to the Deposit System.Banks that give interest on deposits must employ
the balane at their disposal so as to realise that interest. plus a protit to themselves. Investment is mot opional with them, it is indispensable: and they remmot, in seeking investnachits, look to security only. l'rofit must be in their estimation as preat, "r even a greater cunsideration. Lat protit and risk are insegrable, and are always dirwetly propertioned to each other; and henee it is, that in prriods of diseredit, or when a revelsion orcurs, suspicions may be expected to arise in regrard to the solidity of deposit hamke, especially of those that pay high rates of interest on the sums committed to ilueir enstody. These suspicions may frequently, no doutt, be very ill-fommded; but, if they be entertaned, the result will be marly the same. This was exmplified ly what twok jhace in 1 N 6 G , when these banks were serionsly atberted by the deposit system.

It is dillientt to know how to ward off such contingencies; but it nevertheless seems to be indispensable that something should be done in that viev, otherwise we may be said to be always expered to the most tremendons risks, It may not be practicable to form an aceurate estimate of the tmome now hed as deposits by bakkers and money dealers in tireat liritain oily; lout if we tako the entire simm at ahout thire hundred millions, we shall probably he within and not herom! the mark. And of this vast sum more thim half is payable at call, and more than three-fourths wibhin ten days. Bhat everyboly knows that such payments are practically impossille. Aad hence it is plain, that in the cerent, which may any day ocenr, of a bank with a large amnou* of deposits getting into difliculties, or of any circumstance occurring that shoulal oceasion a distrust of the system and a general panic. tha, whole fabric would fall to pieces, and we should have a miversal smash.
This appears to be as masatisfactory a state of things as cem well be imayined. But de republict nil drsperandum. Thongh formidable, the evil is not insuperable: and the dangers reterred to are so great and imminent, that no time should be lost in indipting measures by which they may be either ohviated or mitigatel. Bxplosions of the crelit asstem are, in the commercial and thancial, what explosions of gumpowder ture in the physical world. And it would seem to le cuite as necessary $t$ ) endeavour tolessen the frequency and violence of the former as of the latter. Hence we think it would be grod policy to enact, that all sums bearing interest, in the hands of bankers, discomt-brokers, and mone ${ }^{-}$-dealers geverally, should not be legally demandable without a month or six weeks' notice. A regulation of this sort would not interfere with anything that is valuable in the existing system, while it would confer on it some protion of that solidity of which it is at present so miserably deficicint. It would protect all elasses against the (theets of sudden and unreasonable fears and pranics. It would give time to the borrowers to collect their resources; and to the depositors a almly to enguire into the elaracter and situation of those to whom they had entrusted theirmoney. This may not be enough: but some such measure as this appars to be indispensable for the security mund protection of the publie.

Notes dipesited in Banhs not the Properyy of the Depositors.-It has sometimes been contenled that the notes and moneys deposited in banks by private paries continne to be their property, and are as really a portion of their money as the notes or sovereigns which they retain in their tills or their poekets. The phace where it is kept is different; Lut, exeept in this respect, the momey which they have lodged in and that which they
have out of banks, is said to be, to all intents anll purposes, identical. But thonsh specions, thi, statement is entirely fallacions. The money which depositors lodge in i, manks forms a part of the money of tre conntry; but after ins lodgment in them it ceases to helong to, or to make a puri of, the property or money of the depositors. they have consigned it to bamking ewtablishments, ainl atquirel credits in its stead; i.e. they have acquired the right to draw upon and receive elpal sums of noney from these establishments. But. everybody knows that the right to a thing is not the fling itself, but something altogether different. A bagker who owes a million or ether sum to depositors might regard himself as being in a suliciently secure state, if, aceording to circumstances, lie had a third, a fourth, or a tifth part of that smm in notes and gold in his till to answer the demands of the depositors, while he employed the reserve in adrances to others. Hence it is plain that hank credit and money have nothing in common. Those who eonfound things that are se very dillirent enn have no clear apprehemsion of either the one or the other.

It is on the distinction betwen money and depusits or credits, that the business of bankiug really depends. It is a business by which a small amount of money is made to supply a large amome of eredit, the protits of the bankers arisingr frum the use of the money so ceonomised. Thio Bank of' England, for example, often holds more than twenty millions of public and private debresits, while she is considered to be in a jerfectlysate and sound position if she have in the till of ler bamking department tive millions, or even less in notes and coins.

It is hardly necessary, after these statements, to wherve that the protit made by bankers in employing part of the money committed to their customy is extrinsic to, and indepentent of, any prodits which they may realise on capital of their own. 'Sinch banks,' to use the words of Mr. licardo, 'would never be established if they obtained no other protits than those derived from the cmployment of their cum eapital. Their real aswantage commenees only when they begin to 'mphoy the capital of others.' (Eeonomical and Secure Curreney, 1. 87.)

Nicessity of Cupital to the Security of BanksBut we are not thence to conclude thit it is indiflerent whether such banks have or have mot independent capitals of their own. That would be the greatest of errors. Luless it have a conmand of eapital proportioned in some degree to the extent of its business, those who deposit their monev in a bank have but slender security for its payment. For if bankers make improvident or injudicions adyances, if the sceurities in their possession be discredited, or ditliculties of any hind arise in the conduct of their business, those whor have no eapifal, or but little of their own, may he obliged to stop payment, when more opulent tirns may be but little atlected by the like circumstances. Mhech, no doult, must always depend on the character and knowledge of the parties; but. no anount of skill or cantion can ever finly connpensate for the weant of adequate capital. It is the shect-anclur of security, the only real and substantial guarante to which the ortinnry ereditors of a bank have to look. When such capital has been aceumulated by the bank, it shows that its affairs lave been well managed, and rnises a strong presumption in its favour; and when it has devolved on the partners by inheritance, or been bequeathed to them in legncies, the fair inference would seem to be, that they will not (unless thesbe mere fools, unworthy of any kind of contidence)
ranhly compromise its security by engroging in questiomalle proceediuts.
Limited Liability, Disadtantuges of. -1 y y a late Set, the 90 \& $2 l$ Vict. c. 4!, banks may be constituted with limited liability. Ihat this is a virious prineiple, lessening the natural responsibility under which every man ought to act, and tempting partios to engrige in all manuer of dexprate adventures. In lumking, surh a prinaple mast be especially minchievons; for it is a business that requires great ration and prudence -the very virtues with which the principle of limiter liability is most at varinnee. It may. indeed, be said that the numerons instances of mismanagement and embezzlement that now prerail. show that even the principle of indelinite liability is not enough to make joint-atoek banks be condueted prulently and honestay. But, however defective, still it is the only principle on which any stress can be safely laid, and the inshaces referred to, bear, after all, but a small proportion to those of an opposito deseription. I'le preat majority of banks are diserectly and faithiully manageif. And if knavery and folly be sometimes found to prevail where every partner is deeply interested in their prevention, and is liable to the last farthing he possesses for the consequences, the lair presmaption is, that they would be mull more prevalent were the parties liable only for the amount of their shares in the bank. 'To suppose the contrary would be a contraliction; it would be e.juivalent to supposing that a man is to be as much interested in the satety of 10 l . or 1001 ., as of 1,0001 . or 10,0001 ., or of his entire fortune, however great it may be.

Whatever else may be the effeet of tho late diselosures of mismanagement, fraud: and robbery, th1 the part of the directors and seeret ries of joint-stock banks, it ean hardly fitil to make the partners in those associations more alive to the langers of their sitnation, and to convince them, that if they wonld provide for their own safety, they must be moro cantions than hitherto in resird to the persons they $e^{\prime}$ to fill these situat ions, and less disposed to a.oke their statements fir franted, Such, however, is the carelessness of most peogle, cem in regard to thone matters which most nearly concern them, that these antiripations, thougli reasonable, may not bo fully realised. But, in the eate of banks with limited iiability, they must be sunguine indeed who look lir any improvement. The partners in these associations have no sufficient interest in their prosperity to make them take any unusual trouble abont the way in which they are conducted, and they neither fear ruin, nor even any considerable inconvenience, from their falure. The chances, consequently, are ten to one that their managers will be left without let or bindrance to pursue their own schemes; and, when such is tho case, what but abuse can be expected to be the result?
liut it is argued, whatever may be the intluenee of unlimited liability on the partners of the binks in which it is established, that the depositors in banks with limited liability will be on their suard, and will not trust them with their money, imbless they were well assured of their solidity. lint, in trath and reality, they never can have any assurance of the sort on which it would be safe torely, $A$ bank with limited liability might lave, or pretend to liave, a large capital. And supposing it really lad such a capital in the enrrent year, that may not be the ease in the next, or in any subsequent year. And yet as the public ean know nothing certain of the bank's losses, its eredit may not be impaired. and deposits may be pressed upon it ufter it is really
insolvent. In such eases the publie is helpless ; and if the indetinite reuponsibility of the partuer : jn banks be not enough to make them look to their proper management, it would be worae thatu jdle to depend in any degree on the fear: or inturests of the depositors. This is not a matter about which there neerls be anyspeculations. 'lhes experience of the United States is lereisive of the question. In the Union, the banks are all, or nearly all, eatablished umder a system of limiter liability, and, notwithstanding their insecority, and their perpetually recurriner insolvenery, they ulways hold large sums in deposit. l'romises, professions, tho bait of high intereat, nud the conlidence placed by everyono in his suprorior sagacity and good fortume, fill the cotlera even of the establishments lenst worthy of eredit. Inil such, no doubt, would be the case in linglame, Were a like syatem eatablished amonget us. But what, under such circmastances, would be the situation even of a well-manag bank, were any suspicions to be entertained of its eredit? The rush would be tremendous; for everybody would reasomably conclude, that if ho dide not snceeed by pressing forward with 'hot hasle' in getting payment of his deposit, the chances were ten to one be would get little or nothing. ITe has no propriciary body to which to look for payment of his dains; and if the doors were onfe shut against him, lie could liardly expert morethan some miscrable dividend at some distant term.
buring the crisis of $185 \%$, when the Westem and City lbank of Cilagow stopped payment, there was eomparatively little agitation, thi holders of their notes and of deposit reecipts being well assured that, whatever ineonvenience they might be subjected to in the meantime, in the cind they would be fully pajel. Inat had the liability of the partuers been limited, such wonld not have been the casc, and the panic wonll have bern so wreat that it is not believed that a single bank wonld have wethered the storm.

Iuroduction of Bunking into Loulon,-The: business of banking was not introdneed into Lomen till the aeventecuth eentury. It was at first condueted by the goldsmitha, who lent the: money lodged in their hands for sucurity tu Goverument and individuals, In the course of time, the lasiness came to be conducted by houses who contined themsolves $t$ - it only, and nearly in the mole in which we now find it. From 17 tis, as already stated, down to 1826 , with the exception of the Bank of England, no company with more than six partners conld be established, cither in London or anywhere else in England and Wales, for conducting banking business; nul a very large portion of that business is still conducted in the metropolis by firms with a small number of parthers, or by what are called private banks.

Clearing House,-By far the largest projortion of the i tand bills in eireulation in the conntry. $^{\text {and }}$ and of ate forcign bills druwn upon Great 13ritain, are made payable in London, the grand focus in which all the pecuniary transactions of the empire are nltimately adjusted. And in order to facilitate this aljestment, and to economise the use of money, the prineipn! bankers of the metropolis established, in 1755 , the clearing house. This is a loonse to which each banker who deals with it is in the labit of daily sending a elerk: who carries with hin the varions bills and cheques: in the possession of his house that aro drawn upon other bankers; the practice formerly being to exchange them for the bills and cheques in the possession of those others that were drawn upon his constituents, and to pay the balance on
the one side or the other in cash or Bank of England notes. Hy this means the bankers connected with the clearing honse wero enabled to settle transactions to the extent of several inillions a day, by the employment of not more, at nn avernge, than from $200,000 l$. to 500,0001 . in cash or Bank of England notes.

Latterly, however, the arrangements connected with the clearing house have been so much simplified and improved, that neither notes nor coins are any longer required in settling the largest transnetions. The clearing house itself, and the various banking firms connected with it, have accounts at the Bauk of England; aud the bulances that were formerly settled by a money pnyment are at present settled by transfers from one necount to mother. The sinving of money in the adjustment of large transactions ocensioned by this and other contrivances, accounts for the fact that the proportion of notes of 201. and upwarils issued by the Bank has considerably declined of late years, while that of $5 l$. and 101 . notes, whieh nre insed in ordinary deulings, has been materially incrensed.

Security afforded by Bunks of Deposit.-The.security afforded by a bank of deposit is a matter as to which there imust always be more or less of doubt. When, indeed, a barking company contines itself to its proper brisiness, and does not embark in speculations of husual hazard, or from which its funds cannot be casily withdrawn, it can seldom fail, except in periods of panic or reneral distrust, of being in a situation to meet its engagements; whilst the large private fortuncs that frequently belong to the partners afford those who deal with it an additional guarantec. Much, however, depends on the character of the parties, on their living within or bryond their incomes, and on a variety of circumstances with respect to which the public can never be correctly informed; so that though there can be no doubt that the security afforded by many banks of deposit is of the most unexeeptionable description, this may not be the case with others.

Not necessary for the State to provide for the Seeurity of Deppositors.-All joint-stock banks, or banks having more than six partners, whether for deposit und issue, or for deposit merely, are ordered, by the Act $3 \& 4 \mathrm{Wm}$. IV. c. 83 , to send quarterly retums of the niminer and names of their partners to the Stamp-office. But there way no grood reason why similar returns should not, and several why they should. be required from all banks; and this having been done by the Aet 7 \& 8 Vict. c. $3 \%$, which also provides for their publication, little if any further interference would seem to be required with banks not issuing notes. There is in this respect a wide differenee between them and banks of issue. It is the duty of Government to take care that the valne of the currency shall be as invariable as possible; but it has never been pretended that it is any part of itw duty to enquire into the security given by the borrowers to the lenlers of money, any more than into thesecurity given by the borrowers to the lenders of anything dise. Government obliges n goldsmith to have his goods stamped. this being a security to the public that they shall not be imposed on in buying articles of the quality of which they are generally ignorant; but it docs not require that the person to whom the goldsmith sells or lends his goods should give him a muarantee for their payment. Ihis is a matter as to which individuals are fully competent to judge fer themselves; and there is no good reason why a lender or depositor of bullion or notes should be more protected than a lender or depositor of
timber, coal, or sugar. Gold being the standarit or measure of value, Government is bound to taku eflectual precautions that the currency shall truly correspond in the whole and in nll its parts with that standard; that every pound note shall be worth $n$ sovereign; and that the amount mind value of the aggregrato notes in circulation shall vary exactly as a gold eurrency would do wero it substituted in their stead. Llit if A trust a sum of money in the hauds of 13 , it is their athiar, and coneeras none else. l'rovided the money afloat correspond with the standard, it is of no importance, in a public point of view, into whose hands it may come. The bankruptey of a deposit bank, like that of a private gentleman who has borrowed largely, may tie productive of much lows or ineonvenience to its creciitors. Sut if the paper in cireulation be equivalent to gold, such bankruptcies eannot affect either the quantity or value of money, and are, therefore, directly injurious only to the parties concerned.

But though such be the direct effects of tho bankruptcies of deposit banks, their indirect effect, by propagating panics and runs on other banks, may be most disastrous. And to preveut their mischicvous inlluence in this respect, it would bo good policy, as already seen, to require a month's or six weeks' notico to make deposits bearing interest legally demandable.

Deposit Banks which do not employ the Money of the Depositors.-The other description of banks of eleposit, or those which do not employ the funds in their liands, or engrge in any sort of business, are established witholit any view to prolit, that they may secure the money, and facilitate the transactions of those who deal with them. The latter obtain bank credits or bank money, equivalent to the sums they deposit in the bank; nud as the principal traders in towns where such a bank is established belong to it, each has a bank credit, and their payments are made without the intervention of inoney, by writing off so much from the credit or account of one to the eredit or account of another. It is only in the event of a person laving to pay moncy to a stranger that he has any motive to withdraw any portion of his deposit from the bank. An institution of this sort is, to those who deal with it, what the clearing house is 10 the London bankers. Its expenses are usually defrayed cither by a small fee charged on every transfer of bank credit from one individual to another, or by a charge on the coin or bulliun leposited, or both.
A bank of this sort ean never, unless its agents net dishonestly, be involved in debt, or in muy kind of ditliculty. The constitution of the Bank of Amsteriam was in so far vicious that it was not managed by parties interested in its welfare; that is, by agents chosen by the depositors. On the contrary, it was managed in the most secret manner by those who happened to be magistentes of the city, whether they were or were not depositors. And they, in violation of their oaths, privately lent to others a large portion of the funds deposited in the bank. llut a proceeding of this sort is hardly possible in the case of a properly constituted deposit bank, like that establishad in llamburg. For in the latter the managers are appointed for short periods by the depositors, who of course endeavour to select the most trustwortly persons. And though it is necessary that the strictest secrecy should be kept in regard to the accounts of individuals in the bank, its affairs are otherwise transacted with sufficient publicity, while the deposits in its coffers may be withdrawn at any moment.

## Notice of Banking,-The trade or bANK-BANKING

## tries in all ages. Thexisted in all civilised coun-

 tai) and Rome (argentarii, mensarii, nue (rparestiexercised nearly the sanni, mensarii, nummunerii. the present day; except that functions as those of deposit, to bed notes. They recey do not appear or orders, or paid on demands made money on paying interest some stipulated made by cheques prolits arerest for it, and sometina, sometimes their dispose from their lending the bat. Their allowed the at higher rates of intere balanee at sively emploved in in thors. They wtre also they moneys for those of and and exchanging forceinand in negotiating of Athens, Corinth, home, they were highly extls of exchange. In general char placed in their integrity and great contidenco charged by the bankers was sothe rate of interest alleged of not a consequecimes very high, state of of their rapacity, but of as has been to debtors law, which, as it gar the defective delts, oblised thed to evade paye every facility selves by chargine bankers to payment of their interest. charging a proportionally hitee themi. 168, \&c.: (Boeckh's Political Evanomy Vo rate of Smith's Dictionage a'Anacharse, echy of Athens, guities, s. v. Arionary of Greek and ch. Iv. passim; the business of bankinii,' \&c.) In modern Antiwhile almost of banking and exchangern times Lombardo of Ital entrely engrossed by the was for a
## Sec. III.- Bank of England, Account of Establishment and History or the Bank of of.

 the -The Bank of England, which Bank of Eingthis country and in of deposit and cireulation been Its principal projector enterprisuls äd inter, Mr. William Paters 1694. nfterwards engnged ingent Scotch gentlemson, an ged in the ill-fated coman, was distressed for want being at the timeny at defects and ar want of money, partly fre much partly from abuses in the system of trom the the supposed the difficulty of borrowing, lecan, and tablishment, instability of the revoln, becanse of $1,200,0001$. for the Bank grew out of a lory esbesides receiving pablic service. The a loan of vanced as interest, expense of manng, and 4,0001. ? year adWere incorporated into a in all 100,0001 , a year Governor and Company society denominated the The charter is dated Juthe Bank of England. bes, amongst other thin 27, 1694. It debe capable, in law, to things, that they ohail to them and their su purchase, enjoy, and retain to purchase and and possessions whoneys, lands, chattels whase and aequire all sorts of coever; and strained by hatsoever, wherein the of goods and demise, and Act of Parliament; and are not re'That the manare of the same. and also to grant, corporation management andtwenty-four be committed to government of the March 25 and cirectors, who shall be governor and members of the pril 25 each year, from among thea
'That no dividend cony duly qualitied by the said dividend shall at any tied. of the interest governor and company time be made of the saidl capital or produce arising only out tealing sas is capital stock or furd, by or out
'They mustbed by Act of land, or by such or naturalised buatural-borm subject ment. own name, and foljeets; they shall have England, the governor at lenst 4,0004 , use, severally, viz the governor at lenst $4,000 \mathrm{l}$, the deputy-governor

3,0001., ani
stock of the each director 2,000l of 97 'That thirte sorporation. and directory of more of governor nus (of which the the said governors court of directory always one) shall consteputyaffirs of the cors, for the managremstitute a of all ngents company, and management of the paying them such servants which may appointiment reasonable. ' Every elector must for his own use mool. or have in his own name and nuy member one vote. more capital stock, and the declarat present, take the onth of puired by people ealled of stock, in case he be stoek; or - Four senernalkers.
in the rigeneral courts to be be of the July. Aonths of September, held in every vear: time, aponeneral court may be sumber, $A$ pril, and qualitied as electorisition of nine propried, at any'The ma
the power to make electors in general courts h ordinances fo make and constitur courts have provided that sue fovernment of the corporation repugnant to such by-laws and ordinanporation, confirmed and the ! aws of the kingances be not in such caso and sproved, aceording to the sum be The corporation and proviled.', to the statutes any sort of com is prohibited dealing in bemmerei und und rom engaging in silver. It bills of exchange aning other than the security authorised to advance mole and it ; and to sell goods or merchanulise money upon are not redeemed by pnblic merchanulise pletiged to
It was also ed within a specified such goods as the Bank was enaeted in the samed time. \& Mary e. 20 established, by statute in which any goods, ware, that the lank 'stathte 6 Wia. or purchase the erown any lands or revenuescept bullion), their heirs or or advance or lend to the belonging to by way of doan or surs, any sum or their Majesties, parts, branch or or anticipation, or any of money revenue, now or branches, iund or funy part or be granted to their Mer or belonging, funds of the eessors, other thai Majesties, their heirereafter to parts, braneh or than such fund or heirs and sucon which a or branches of the said fumds, part or Parliament.' And loan is or shaill be venue only, the 'common cand in 1697 it was engranted by the real fund of the and principal stock enat, that any profit or of the governor and cock, and also arising thereliy produce to he made company, or taxes, assessments shall be exempted from thereof, or during the contin, or impositions from auy rates, the profit, bencfit, and of the Bank; whatsoever, time arising ontit, and advantage, from that all corporation, ont of the manageme, from time to members of thall be applied to the ut of the said and Comprany the said corporation of the of all the and in proportio the Bank of Encland Governor and intereportion to each member's stock of the in the common capital and part, share, established.' said governor and company principni It was further enacted in many hereby of the company's seal, or 1607, that the forgery hank note, should beal, felony any sealed bill or erasure ind that the making of wny ant benefit of In 1696 dury bill or note should als alteration or was involyed ing the great recoingo be felony. even compelled in eonsiderable difficulties , the Bank which were to to suspend payment of herd was cver, to the judicion heavy disconnt. Of her notes, the assistance judicious conduet of the Owing, howthe crisis. But it was at the the Bank got and

But it was at the same time got over
expedient, in order to place her in a situation the tain called England, to borrow, owe, or take up any better to withstand any adverse circumstances that might afterwards occur, to increase her capital from $1,200,000 /$, to $2,201,1711$, In 1708 the directors undertook to pay off and cancel $1,500,0001$. of Exchequer bills they had cireulated two years effore, at $4 \frac{1}{2}$ per cent., with the interest on them, amounting in all to $1,775,0281$; which inereased the permanent debt tue by the public to the bank, inchuding 400,0001 , then advanced in consideration of the renewal of the charter, to $3,375,0281$., for which they wero allowed t' per cent, The Bank eapital was then also doubled, or increaset to $4,402,3431$. But the year 1708 is thietly memorable, in the history of the Bank, for the Aet that was then passed, which dectared, that during the continuanee of the corporation of the 13ank of England, 'it should not be lawful for any boity politic, crected or to be erected, other than the said Governor and Company of the Bank of England, or for any persons whatsocver, united or to be united in covenants or partnership, excecding the nember of six persons, in that part of Great Bri-
sum or sums of money on their bills or notes payable on demand, or in any less time than six months from the borrowing thereof,' This proviso, which has had so powerful an operation on banking in. England, is saill to have been elicited by the Mine-adventure Company having commenced banking business, and legin to issic notes.

It has been pretty generally imagiaed, from the private banking companies in the metropolis not issuing notes, that they were legally incapacitatel from doing so. But the clause in the Aet of 1708, which has been the only restriction on the issue of notes, applied generally to all Eagland, and had no peculiar reference to London. Tho fact that banks with 6 or fewer partners have not issued notes in the metropolis, as well as in the provinces, is, therefore, ascribable either to their being aware that their notes would obtain no considerable circulation concurrently with those of a great association like the Bank of England, or from their believing that their issuc would not be profitable. We sabjoin-

An Account of the surcessive Renervals of the Charter, of the Conditions under which these Reneurals uere made, and of the Variations in the Amount and Interest of the Permanent Delt due by Government to the Bunk, exclusive of the Dead Weight.


The charter of the Bank of England, when first Hrasted, was to continue for eleven years certain, or till : vear's notice after August 1, 1705. The charter was further prolonged in 1697. In 1708, the lank having atvanced 400,0001 , for the public service, withont interest, the exclusive privileges of he corporation were prolonged till 1733. And in consequence of various arrangements made at tillerent times, the exclusive privileges of the hank have been continued by suceessive renewals, till a year's notico after August 1, 1855. (Sice table prelisel.)
(For further details as to this subject, see the Appendix No. 1 of the Report of 1832 on the Renewal of the Bank Charter, and the Acts of Parliament referred to in it; see also Postlethwait's History of the Revenue, pp. 301-310; and Fairman On the Funds, 7 th ed. pp. 85-88, \&c.)
The capital of the Bank on which dividents are paid has never exactly eoincided with, though till of late it seldom differed very materially from, the permanent advance by the Bank to the public. We lave already seen that it amounted, in 1708, to $1,102,343 l$. Deween that year and $1 \overline{7} 27$ it was
incren
to 10 , no cha cent. 1 at this 1-1,553, the pro the Aet of tlie directeal due to $t$ givily deduct not dunt mellt an
The 1 affected motes. mlvance as far as in oriler arerting of paying derised a the Highl at a mee traders of declaring receive $\mathrm{Ba}_{2}$ might be to use the payments i During limk incu mot attack mencement have prove layed their providiug a Since that nightly plac protection in In the latt there was, in on their part banks; and ments were a considerabl
The year 1 epoch in the partly to eve we were then of Germany home by the and chicfly, P lingly mate pirevented the control over unlavourable ing year lar the Bank. $h_{n}$ ning of 1797 entertainell of paysated of des: on the coast, were thus exci cial banks in some of them sencral, and mands for cash quarters; and haud only 1,27 : coffers, with eve place on the fol: an order in cour prohiliting the cash until the
increased to near $9,000,0001$. In 1746 it amounted to $10,780,000$. From this periol it underwent no change till 1782, when it was inereased 8 per cent., or to $11,6.42,100 \mathrm{l}$. It contimed stationary at this sum down to 1816, when it was ralsed to $1-1,553,0001$. by an addition of 25 per cent. from the proits of the Dank, under the provisions of the Aet 56 Geo. III. c. 96. The Act for the renewal of the charter, in $1833,3 \& 4 \mathrm{Wm}$. IV. c. 98 , directed that the sum of $3,671,700$, of the debt due to the lank should be repaid by the public, giving the directors power, if they thought tlt , to deduct it from the Bank eapital. But this was not done; the sum being reinvested in a Government annuity, terminable in 1860.

The Bank of Eugland has been frequently affected by panics amongst the holders of its notes. In 1745 the alarm occasioned by the advance of the Ilighlanders under the I'retender as far as Derby led to a ron upon the Bank; and in orler to grain time to concert measures for averting the rom, the directors adopted the device of paying in shillings nad sixpences. But they derived a more effectnal relief from the retreat of the Ilighhanders; and from a resolution agreed to at a meeting of the priscipal merchants and traders of the City, and very numerously signed, declaring the willingness of the subscribers to receive Bank notes in payment of any sum that might be due to them, and pledging themselves to use their utmost endeayours to make all their payments in the same medium.

During the tremendous riots in June, 1780, the lank incurred considerable danger. Had the mob attacked the establishment at the commencement of the riots, the consequences might have proved fatal. Luckily, however, they deJayed their attack till time had been afforded for providing a force sufficient to insure its safety. Since that period a considerable military force is nightly placed in the interior of the Bank, as a protection in any emergency that may occur.

In the latter part of 1792 and beginuing of 1703 there was, in consequence ol a previous over-issue on their part, a general run on most of the private banks; and ahout a third part of these estalutic' ments were torced to stop payments. This led to a considerable demand for coin from the Bank.

The year 1797 is, however, the most important epoch in the recent history of the Bank. Owing partly to events connected with the war in which we were then engaged; to loans to the Emperor of Germnny; to bills drawn on the treasury at home by the British agents abroad; and partly, and chiefly, perhaps, to the advances most unwillindy made by the Bank to Govermment, which prevented the directors from having a sufficient control over their issues, the exchanges became minavourable in 1795, and in that and the following year large sums in specie were drawn from the Bank. In the latter end of 1796 and beginning of 1797 considerable apprehensions were entertained of invasion, and rumours were propargated of descents laving been actually made on the coast. In consequence ot the fears that were thus excited, runs were made on the provincial banks in different parts of the country; and some of them having failed, the panic became general, and extended itself to London. Demands for eash poured in upon the Bank from all quarters; and on Saturday, Feb. 25, 1797, she hitd only $1,272,000$. of cash and bullion in her coffers, with every prospect of a violent run taking place on the following Monday. In this emergency an order in council was issucd on Sunday the 26th, prohiliting the directors from paying their notes in cash until the sense of Parliament had been taken
on the sobject. And after Parliament met, and tho measure liad been much disens:ed, it was agreed to continue the restriction till six months after the siguature of a definitive treaty of peace.
As soon as the order in coancil prohibiting payments in eash appeared, a meeting of the principal bankers, merchants, traders, de. of the metropolis was held at the Mansion Honse, when a resolution was agreed to and very numernasly signed, pledging, as had been done in 17.4i, thoso present to accept, and to use every means in their power to eause luank notes to be accepted as cash in all transactions. This resolution tended to allay tho apprehensions that the restriction had excited.
I'arliament being sitting at the time, a committee was iminediately appointed to examine into the affairs of the Bank; and their report pat to rest whatever doubts might have been entertained with respect to the solvency of the estaDishment, by showing that at the moment when the order in council appeared tho Bank was possessed of property to the amount of $15,513,6901$., after all claims upon her had been deducted.
Much difference of opinion has existed with respect to the policy of the restriction in 1797 ; but, considering the peculiar circumstances under which it took place, its expediency seems abundantly obvious, The run did not uriginate in any over-issue of Bank paper, but grew entirely out of political canses. So long as the alarms of invasion contimued, it was elear that no lank paper immediately convertible into gold would remain in circulation. And as the lank, thongh possessed of ample funds, was withont the means of instantly retiring her notes, she might, but for the interference of Government, have been obliged to stop payment; an event which, had it oecurred, mist have produced consequences in the last degree fatal to the public interests.
It had been generally supposed, previously to the passing of the liestriction Act, that Ihank notes would not cireulate unless they were immediately convertible into cash; but the event showed. conformably to principles that have since been fully explained, that this was not really the case. Though the notes of the Bank of England were not at the passing of the Restriction Act publicly declared to be legnl tender, they were rendered so in practice, by being received as cash in all transactions on account of Government and of the vast majority of individuals. For the tirst three years of the restriction, their issnes were so moderate that they nut only kept on a par with gold, bat actually bore a small pren...am. In the latter part of 1800 , however, their quantity was so much increased that they fell to n discount of 8 per cent. as compared with gold, but they soon after rose nearly to par; and it was not until 1808 that the decline of their value excited any considerable attention. Early in 1810 they were at a discount of about $18 \frac{1}{2}$ per cent.; nad this extraordinary fall having attracted the nttention of the legislature, the ILouse of Commons nppointed a committee to enquire into the circumstances by which it had been occasioned. The committee examined several witnesses; and in their report, which was drawn up with considerable ability, they justly ascribed the fall to the overissue of Bank paper, and recommended that the Ibank should be obliged to resume cash payments within two years. 'I'his recommendation was not. however, acted upon; and the value of liank paper continued to decline, as compared with gold, till 1814.

At the period when the restriction on eash payments took place in 1797, it is supposed that there 112
were about 280 country banks in existence; but so rapidly were these establishments multiplied, that they amounted to above 900 in 1818. The price of corn, inthenced partly by the depreciation of the currency, and the facility with which discounts were obtrined, but far moro by deticient harvesta, and the unprececiented ditfieulties which the war threw in the way of importation, had risen to an extraortinary height tharing the the years ending with 1813 . But the harvest of that yenr being musually productive, and the intercourse with the Continent being then also renewed, prices, inthenced by both cirrumstances, sustained a very henvy fall in the latter part of 1813, and the begiming of 1st.t. And this fall having mined $n$ consilerable mumber of farmers, and produced a general want of contldence, such a destruction of prosincial paper took place as has rarely been paralleled. $\ln 1814$, 1815 , and 1816 , 10 fewer than 2.10 cometry banks stopped payment; and eighty-nine commissions of bankruptey were issued against these estahlishments, being at the rate of one commission against every ten and a half of the total numher of banks existing in 1813.
The great reduction that had been thus suddenly and violently brought abont in the quantity of country hank paper, by extending the tield for the eirculation of Ilank of England paper, raised its value in 1817 nearly to a par with gold. The return to cash phyments being thus facilitated, it was fixed, in 1819 , by the Aet 59 Geo. III. c. 78 , commonly enlled Sir Robert Jeal's Aet, that they should take place in $18: 1$. But to prevent uny future over-issue, and nt the same time to render the measures as little burdensome as possible, it was cmeted, in pursuance of a plan suggested by the late Mr. Ricardo, that the Bank should be obliged, during the interval from the passing of the Act till the return to specie payments, to pay her notes, if required, in bars of stindard bulhion of not less than sixty ounces weight. 'Ihis plan was not, however, acted upon during the period allowed by law; for, a large amount of gold having been accumulated at the Bank, the directors preferred recommencing specie payments on the lst of May, 1821. (See Table I., p. 116, for an account of the price of bullion, the depreciation of Maper, de. from 1800 to 1821 .)

A great diversity of opinion has been entertained with respect to the policy of the return to the old staudard in 1819. By one party it has been represented as a wise and politic measure; they contend that Sir Robert Peel's Aet not only put an end to those fluctuations in the value of money which had previously been productive of great mischief, und gave effect to the solemn engagements into which the public had entered with the national creditor, but that it did this without adding auything materin to the natio al burdens. But another, and also a very numerous party, take a totally different view of this measure: they contend that the public was not really bound to return to cash payments at the old standard nt the termination of the war; that the return has very greatly enhanced the value of the currency; and that this enhancement, by adding proportionally to the lixed burdens laid on the industrious classes, has been most injurious to their interests.

It will, however, be found in this, as in most cases of the sort, that the statements of both parties are exagrerated; and that if, on the one hand, the measure has not been so advnatageous as its eulogists represent, neither, on the other, has it been nearly so injurious as its enemies would have us believe.

In diseussing this question, it is material to observe that the value of paper, which had been
in 1815 and 1816 about 163 per cent. below that of gold, rose in 1817 and 1818 , from the causes already mentioned, without any interfereoce whatever on the part of Goverument, to within littlmore than $2 f$ per cent. of the value of gold; and that in 18 in the depreciation only amounted to 41 per cent. (See Thable l., p. 116.) It is, therefore, quite tudicrous to aseribe to the Act of 1819, as is often done, the whole rise that has taken place in the value of the curreney ance the peace, seeing that the currency hal been for three yenrs previously to its enactment from $12 \frac{1}{6}$ to $14 \frac{1}{2}$ per cent. above its value in 1815 , and from 21 to 23 per cent. above its value in 1814. The main dibject which the promoters of the Aet of 1819 had in view was to sustain the value of the currency at the point to which it had recovered itself without legislative interference. 'I'his, however, could not be done without recurring to specie pryments; and the difference of $4 \hat{h}$ per cent. that obtained in 1819 between the value of gold and paper, was not deemed suficiently considerable to warrant a departure from the old standard, and from the acts elugaging to :estore It.

But it is altered that those who suppose that the Aet of 1816 added only 41 per cent. to the value of the currency mistake sltogether the effect of the measure. It is ndmitted, indeed, that paper was then only $4 \frac{1}{2}$ per cent. less valuable than gold; but by reverting to specic payments, we made an unexpected purchase of thirty millions of gold; and it is athirmed that this novel and large temand, coneurring simultaneously with the contraction of paper in several of the Continental states, and with a falling off in the supply of bullion from the mines, had the effect of adding very greatly to the value of gold itself, and consequently to that of the curraney. It is very ditficult, or rather, perhsps, impossible, to de-termine the precise degree of credit that should be attached to this statement; but while we incline to think that it is well founded to a certain extent, we see no grounds for believing that it is so to anything like the extent that has been stated. The crold imported into Great Britain, to enable the lank to resume specie payments, was not taken from any particular country or district, but was drawn from the market of the world; and considering the vast extent of the supply whence it was derived, it is against all reason to suppose that its value conld be materially influenced by our purchases. We doubt, too, whether the contraction of the paper currency of some of the Continental states, and the substitution of specie in its stead, was not more than balanced by the cessation of the demand for specie for the military chests of the different armies, by the stoppage of the practice of hoarding, and the greater security consequent on the return of peace. And with respect to the falling off in the supplies from the mines, it is not a circumstance, supposing it to have had $n$ considerable influence, that Parliament could take into account. It could neither determine the extent to which! bullion hand been raised, nor at what point the rise would stop, nor how soon it might again begin to decline. The diminution in the supply of bullion had then continued for too short a period, and its intluence on the value of gold was much too uncertain, to make it a groumd for interfering in any degree with the standard. And notwithstanding the falhng off in the productiveness of the American mines still eontinues, the diminution thence arising has been since more than compensated by the extraordinary merease that has taken place of late years in the produce of the Russian mines and washings.

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The decline in the price of most articles that $\mid$ has taken place since the pence lins been often referred to as a conclusive proof of the great enhaneement in the value of bullien. llut the inferenco is by no means so certain as lias been represented. The prices of commodities are as much allected by changes in the cost of their proluction, as by changes in the quantity of money alloat. Now, there is not one of the grent artictes of commerce the cost of which has not been considerably retuced, or which has not theen supplied from new and more productive sourees, within the last few years. The growth of corn, for example, lins been vastly extended in France, Prussia, and generally throughout the Continent, by the splitting of large estates, and the cumplete subversion of the feulal system; and the reduction of its price in this country has been wholly owing to the astonishing improvements made in agriculture, and to the inerease of imports from Ireland. The fall in the price of wool is satisfactorily accounted for by the introduction and rapid multiplicatlon of Merino sheep in Germany, where they seem to succeed even better than in spain, and by the large and rapolly growing imports from Australia, where little more than 50 years ago there was not a single sheep! And a very large portion, if not the whole, of the fall in the price of colunial preducts, is admitted, on all hands, to be owing to the destruction of the monopoly system, and the vast extension of eultivation in Cuba. Brazil, Java, Louisiana, \&c. Although, therefore, we do not deny that the falling off in the supply of bullion from the mines must, at first, have had some iniluenee over prices, we hold it to be the grentest imaginable error to aseribe to it the entire fall that took place after the peace. Were its effect rated at from is to 10 per cent., we believe it wenld be very considerably oyerstated. [Puecious Metals.]

On the whole, therefore, we are clisposed to npprove of the sonduct of those whe framed the Act of 181!. That it added somewhat to the burdens of the industrious elasses, and has been in so far hostile to the pubiic interests, it seems impossible to doubt; but it has not been so in anything like the degree which its enemies represent. The perionl, too, when it was passed is now so distant, that the existing engagements amongst individuals have almost all been formed with reference to the altered value of the currency; so that whatever injury it may have oceasioned in the first instance must be nearly gone by. To modify or change the stnudard at this late period, would not be to repair injustice, hut to commit it afresh. At the end of the war the cirenmstances were considernbly different. The standard had been really abandonel for the previous 18 years; and perhaps we may now say, that it would have lieen better, all things considered, had the mant price of bullion been raised in 1815 to the market price. Hut having surmounted nll the difficultics attendant upon the resturation of the old standard, and maintained it sinee 1821, it would be in the last degree impolitic to subject it to new nlterations. Should the country become, at any future periot, unable to make grool its engagements, it will better consult its honour and its interest by fairly compounding with its crediturs, than by endeavouring to slip from its engagements by resorting to the maderland and dishonest expedient of enfeebling the standard.
The price of eorn, which had been very much depressed in 1821 and 1822, ratlied in 1823; and this circumstance contributed, along with others peculiar to that period, to promote an extraordinary rage for speculation. The issues of the
country banka being in consequence far too much extended, the currency beenme redundant in the autumn of 1824; aud the exchanges having been depressed, a drain for gold begran to oprrate upon the Bank of Engrand. But the directors of tho llank having entered, in the early part of that year, into an engngement with Goverument to pay off sueh holders of 4 per eent. stock as might dissent from its conversion into a 3 , per cent. stock, they were obliged to advanee n cousiderable sum on this account after the depression of the exchange. This tended to counteract the effect of the drain on the llank for geld; and, In eonsequence, the London currency was not very materially dimisished till September, 1825. When, however, the continued demand of the public on the IBank for gold had reudered muney senree in the metropolis, the pressure speedily extended to the country. Such of the provincin! banks-and they were a numerous class-as had been originally established without sufficient capital, or had conducted their business upon erroncous principles, began to give way the moment they experienced an increased ditliculty of oltainiug pecuniary accommodations in London. The alarm, once exeited, soon beenme general; and conficence and credit were, for awhile, almost wholly suspended. In the short space of six weeks, above seventy banking establishments were destroyed, notwithstauding the vary large advances made to them by the Bank of England; and the run upon the Bank for eash to supply the exigencies of the country banks was so heavy, that she was well nigh drained of all the coin in her coffers, and obliged to issuc about a million of 11. and 21, notes.

To guard against a recurrence of the wide-spread mischicf and ruin produced by this and the previous bankrupteies of the country bnnks, it was resolved, in 1826, with consent of the lank of England, to make a change in the law of 1708, limiting the uumber of partuers in banking establishments to six only. And it was accordingly enacted, that thenceforth any number of partners might furm themselves into associations to carry on the business of banking, inclucling the issue of notes, any where not within sixty-five miles of London. The directors of the Bank of Eingland came, at the same timse, to the resolution of establishing branches in some of the principal towns; and these have sinee been established in Gloucester, Manchester, Birmingham, Leeds, Liverpool, Bristol, Exeter, Newcastle-upon-Tyue, Ilull, Norwich, dc.
The bramel banks have been useful, but we have already seen that the benefits which it was supposed would result from the formation of jointstock banks have been in great measure disappointed. At best, the formation of joint-stock banks was but a feeble palliative of inveterate disorders. It was quite illusory to expect to make nay real improvement upon the system of country banking in England, by the mere introduction of a plan for allowing banking establishments with large capitals to be set on foot. There had always been, and were nt the moment, a great number of such establishments in England. What we really wanted was the adoption of a system that should suppress all lueal issues, or exclute the possilility of notes being discredited, by making sure that notes when issued slould be pati.

Besides attempting to lessen the frequency of bankruptey among the ecuntry banks by repealing the law limiting the number of partiers. it was further resolved, in 1826, to prohibit the issue of 11. ustes. 'the policy and effects of this measuro
gave rise to much dispute. It seems clear that it wont far to shat up) one of the most convenient chammels by which the inferior class of country bankers contrived to get their notes into circulation, and most in so far have done good, lhat there were many other channels wtill ofen to them: and to moagine that this measure was to place the provincial currency on that solid basis on which it should be placed was quite visionary. Iher: were no notes under $\delta L_{\text {, }}$ in circulathon in 159: ; and yet filly one third part of the country banks then in existence became hankrupt! No doult can, lowever, be entertained, that the reprewontations of the extreme injury oceasioned by the withdrawal of 11 . notes were greatly exarigerated. At the same time it is obviuns that the means of the bankers to make advances, as woll us the protit dirived from making them, mant both have been diminished by the suppression of the small notes; and it would be fuolish to deny that this circumstance must have occasioned same loss nuil incouvenience to individatals; though, as respects the public, the measure was highly advantageolrs.

The extraordinary extent to which the forgery of the 1l, notes of the lank of Engrland was çarried affords of itself a sutfleient vindieation of the policy of their suppression. But the comparatively limited circulation of the country bauks, and perhajs we may ald the greater attention paid to the manner in which their notes were engraved. hindered their forgery from becoming injuriously prevalent.
'I'he defecta inherent in the old system were again fully developed in 1836 and 1837 . It is needless how to enter upon any investigation of the cirenmstances which led to the overtrailing of these ycars; but it was carried to a great extent both here and in the Inited States, In nothing, however, was this thore strikingly evinced, than in the rapid increase of joint-stoek banks; thoir namber, whids in 183.-35 had amounted in lingland and Wiales to 55 , having risen in 1835-in to no fewar than 100! Many of these were banks of issue, and in comsequence of the large additions that were thus sudilenly made to the number of notes atioat, and still more to the number of bills, cheques, and other substitutes for money, the currency became redundant ant the exchange depressed; and the detieient harvests of 1838 and 18:39, conspiring with this redundaney, occasioned a further $f$ II in the exchange, and a severe drain upun the lank of England for gold. Jut while the latter was narrowing her issues by supplying the exporters of bullion with gold in exchange for motes, the country banks went on increasing their issues! What the former did by contracting on the one land, the latter more than undid by letiang out on the other. The vachum created by th : withdrawal of lank of lingland paper was immediately filled up, and made to overtow, by the iscue of a more than equal amonnt of provincial paper: so that had it not been for the rise in the rate of interest, and the other repressive measures adopted by the llank, the probability is that she might have gone on paying away bullion for notes, till she was drained of her last sixpence, without in any degret affecting the exchange: and as it was, the bullion in her coffers in August 1839 was reduced to $2, \mathrm{~d} 21,00101$, so that we narrowly escaped a tremendous crisis.

Sec. IV.-Principie and Operation of tIIE ACT of $18 \%$.

This perilous experience having again foreibly attracted the public attention to the state of the
banking system, Sir Robert Peel was induced to attempt its improvement. And the meamres which lie intruluced and carried through l'arlianent in 18.11 and 18.15 , for the improvement of our banking system, were so skilfully contrived as to provoke little opposition, at the same time that they effectel must important and highly bencticial changes.

The measures in question eonsisted of the Act 7 \& 8 Viet. c. 22, which refers to the Hank of Fingland, and the Dinglish country banks; and tho det 8 \& 9 Vict., of which e. 37,38 refer to the banks of Irclaud and Scotland respectively. I'luese statites were intended to olviate the chances of over-issue nodof sudilen thetuat lons in the gurattity and value of money, by limiting the power to issue notes payable on lemand, and by making the amonnt of such notes in eirculation vary with the amount of bullion in the possession of thr issuers, In dealing with the [lank of lingland, Wir Robert l'ed adopted the proposnl previously made by lord bverstone, for effection a complete separation between the issuing and bankiag departments of that establishment, and giveng the directors full liberty to manage tho latter at discretion, while they should have no power whatever over the other.

Principle on which Act of 184. was fonnded.The notes of the llank of England in circulation for some years previously to 1814 rarely amounted to $20,001,001)$, or sunk so low as $16,000,000 \%$. And such being the case, Sir liobert Yeel was justitiod in nssuming that the cirealation of the lank could not, in any ordinary condition of society, or under any mere commercial vicissitudes, ba reduced below 14,000,0001. And the Act of 18.11 allows the Hank to issue this amount upon securities, of which the $11,015,100 /$, she has lent to the public is the most important item, Inasmuch, however, as the issues of the provivcial banks were at the same time limited in their amount, and contincel to certain existing banks, it was lirther prowiled, in the event of any of these banks ceasing to issue notes, that the Jank of England might be empowered, by oriler in council, to issue, upon securities, two-thirds, and no more, of the notes which such banks had been authorised to issuc. Under this condition, the total secured issue of the bank has (18.5N) boen increased from $11,000,000$. to $14,475,000$. But for every other note uhich the issue department may at any time issue over and above the maximum amonnt (14,475,000/.) issucd on securitics, an cqual amount of coin or bullion must be paid into its coffers. And hence, under this system, the notes of the lank of Eingland are rendered really and truly equivalent to goll, while their immediate conrersion into that motal no longer depends, as it previonsly did, on the grood faith, the skill, or the prudence of the directors. And these important results have beon attained withont imposing any burilen of which anyone has any right to complain. Our currency rests on the: fundamental primeiple, that all debts above forty shillings shall be paid in gold. Jut individuals. and associations, including the banking or commercial department of the Bank, have the option, if they preter it, to exchange gold for bank notes, and to make use of the later in their dealines with the public. Ilence, if A. or B. goes to the issuers of paper, and gets 100 or 500 notes from them in exchange for an equivalent amonis of gold. it is his own convenience he has exclusively in view. Jle was at full liberty to use gold, but he preferred exchanging it for notes because he could cmplay the latter more advantageously. This is the way in which paper is issued under the Act of 18i4; and such being the case it is
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contradictory to say that it ls productive either of hardshlp or inconvenience.

It has been alloged thut this system is Injurious by shackling the liank in the nse of her credit. Ifint it must be clear on the ieast retlection that it does nothing of the sort. It merely presents her from issulng substitutes for money which do not represent money. It does not absorb or lock up a single sixpence worth of her enpital; nor does it interlere in any manner of wny with her employment either of it , or of her credit. The gold in the issue department of the lank was not purchased by her, and does not belong to her. She is its keיper, lut not its owner. It belongs to the pullic, or to the holders of bank notes, who deposited it in the bank in exchange for notes, with ant under the express stipulation, that on paying the latter into the Bank, they should reecive back their gold. Any interference with theso deposits would be an interference with property held in pledge for others; that is, it would be un aet precisely of the same kind with that which deservedly suljected Strahan, I'nul, and Co. to transportation for fourteen years. 'The authority of Mr. Shefticld Nenve, formerly fovernor of the lank, may be quoted in corroboration of this statement: "The issue-department is out of our hands altogether. We are mere trustees under the Aet of Parlinment, to see that those securities are placed there and kept uns to that amount ; and in no case can any creditor of the liank tonch that which is reserved for a note-holler. Wo nre in that respect merely ministrative; we are trustees to hold that amount in the issue-department, and our banking department has n totally separate function, which has no relation whatever to the issue-department.' (Min. of Evidence, 1857, p. 99.)

But though she may not lay violent hands on the property of the public, the Bank, it is obvious, has at this moment the same absolute command wer her entire capital and credit, that she would have were the Aet of 1844 non-existent. In lier banking eapncity she is free from all restraint, and is in precisely the same situation as other banking or mercantile establishments. She may lend or not lend as she pleases, and may lay down such conditions as she pleases in regard to the interest and the terms of her loans and discounts. In short, she may do whatever she likes with her own. Hut further she is not permitted to ro. She may not substitute shadows for realities. She cammot, whether to assist others, or to relieve herself from embarrassment, issue a single note execpt upon a deposit of bullion. But this rule does not operate on herself only. It applies to all individuals and associations. And to relax it in any degree would be-tlisguise it as you will -to authorise an issue of tictitious or spurions paper, and consequently to vitiate the currency and to abose credit in the way that is sure to be in the end the most disastrous.

It is further objected to the Aet of 1844, that it 'limits the currency;' 'that it makes no provision for the increasing demands of the publie; and confined us in 1858, when the exports would probably exceed $120,000,0001$, to the same amount of money as in 1844, when the exports did not excced \%8,500,000l', But though this statement has been made by parties who ought to have known better. the reader can hardly require to be told that it is completely destitute ol foumdation. The $14,0 t) 0,000 \%$. issued on securities, is the only thing that is limited in the Aet; everything else varies with the varying condition and circumstances of the country, including the means by which the use of money may be economised. In the week ending
dugust 29, 1857, the issue departarent of the lank hall isamed notes to the amount of $25,323,965 h^{2}$. benge no liwer than $11,323,9652$. over and nbove the amonnt anthorised to lie issued on wecuritles, And if the country had really required a larger sipply of money, that is, if more coins, or paper equivalenit to coins, conld have been absurbed into the circulat lon withont rendering the currency redundant, and depressing the exchange, the mblitional quantity wonld have been forthwith supplicel. For under such circuinstances, merchunts, bankers, and money-dealers wonld lave realised a certain nud inmediate profit by carrying lindion to the Mint or the llank, that lhey might oltain colns, or notes, or both, with which to inerease the currenes, It is one of the elief merits of tho Act of is $1 \cdot 1$, thant, under its ageney, the supply of money is not to nuy extent or in any degree regulated or inthenced by the proeeedings of the lanak or the Govromment. 'Ihey have nothing to do in the matter, unless it be to coin the bullion which indiviauals or tirms carry to the Mint for that purpose, and to exclange, when called npon, notes for coins, and eoins for notes. The supply of money, like that of all non-monopolised articles, is wholly dependent upon, and is determined by, the tree action of the public. It womld, inleed, ho quite as true to say, that the Net of 1814 limits tho amonnt of corm, of cloth, or of iron produced in the conutry, as that it limits the amount of money. It malintains the value of the notes issued by tho Hank on a leve with the coins for which they are substitutes; but beyond that its etlicet is nil. It has nothing whatever to do with the greater or less momit of the currency. That depends entirely on the estimate formed by the pulbice of its excess or deticioney, an extimate which, when wrong, is sure to be corrected by the exchange.

We may add, that no inference can ever ba safely drawn from the number of notes or eoins, or both, nfluat in a comery, asto whether its curreney be, or be not, in excess. That is to be learned by the state of the exchange, or by the intlux anil ellux of bullion. If the imports of ballion excect the exports, it shows that the currency is in some degree deticient, while if the exports exceed the imports, it shows that the currency is in excess, mad that no additions can be made to it without further depressing the exchange and incroasing the drain of bullion. When the imports and exports of bullion are about equal, then of course the currency is at about its proper level. 'I'hese are the only criteria by whieh anything ean ever be eorreetly inferred in regard te the deticiency or excess of currency. Jis absolute anount atfords hardly even a basis for conjecture. When there is little speculation or excitement, an issue of $25,000,0001$. or $27,000,0001$. oanli-notes may be in excess! while, at another time, and with a different state of trade and speculation, an issue of $3 \overline{5}, 000,000 l$. or $37,000,000 l$. of notes may not he enough. Except in periods of intermal commotion, or when we are disturbed by alarms of invasion, the state of the exchange is the only, as it is the infallible, test of the sulliciency and insutficiency of the curreney.
We lave seen that bills of exchange, about which so much is said, though they serve some of the purposes of money, are not money. But whether the amount of them in circulation be great or small, and whether they be drawn at long or short dates, though highly important in other respects, has no reference to, or bearing upon, this question. When from any cause, whether from an excess in the amount of bills or notes afloat, the currency becomes redundant, the exchange is depressed, and notes are sent to the issue depart-
ment of the Bank to be exchanged for gold, which is forthwith exported. Antl it is by the immediate action of the alverse exchange upon notes, and the consequent intluence of the eoniraction of the latter upoil bills, that the amount of the currency is lesiened, its value raiset, and the exchange brought to par. At such periods there is usually more orless of mercantile pressure, and agreater demand for disceunts and pecuniary accommodation. This leads to a rise in the rate of interest; but no change in this rate has any influence over the eurrency, except in so far as its rise may diminish, antl itc iall may increase, the demands upon the Bank for leans. A system of this sort effectually prevents any great excess of bills from ever retting into the market ; antl thus checks, in limine, what would otherwise be the most copious source of wild speculation, overt rading, and bankruptcy.

It may be said, perhaps-for there is no end of apologies for whitever is vicious-that if the issite ot notes were in the hands of Government, the entire profit acerning thereon wonld belong to the pubic. But supposing such to be the case, the difference between that profit, and that which is or may be realised under the present system, would either be nothing at all, or so inconsiderable as to be wholly unworthy of attention. It will be afterwards seen that at this moment the public receives by far the greater part of the profit made be the Bank on the fixed issue of $14,000,0001$. and if it be deemed expelient, that part may be atill further increased, or turned into the lion's sharc. Assuming, therefore, for a moment, that the power to issue notes is vested in Goverument commissioners, it is not pretendel that these notes are to be legal tender. Nothing so monstrous as that could be thought of, or at all events, lurst be proposed. The notes issaed by the eommissiouer , like those issued by the Bank, inust be paid on demand. But to do this, a stock of bullion must be provided; and inless the flan now followed were adopted, and all issucs above the amount of $14,000,000 \mathrm{l}$., or thereby, were made upon deposits of bullion, the public would not have that perfect security which is given them ly the present system, and which is worth more than ten times all the profits arising out of the tixed issue. Even under the old system, or that which existed previously to $18.1 \cdot 1$, the rule of the lamk was to keen a stock of bullion on hand equal to a thirl part of her issues. But this rule was not, and in truth could not be, acted upon. It is plain, howerer, had it been bonaf fide carried out, that the profits oll the issue of notes would not have been materially, if at all, different from what they are at this moment. Nothing, therefore, can be more completely futile than the talk about the large profits that would acerue to the public by resting the power to igsue notes in commissioners aljpointed by Goverument. With the same security as at ;resent for the conversion of the notes into coin, nothing would be gained by such appointment; and if, as would most likely be the case, it lessened the security referred to, and added to the chances of over-issue and mismanagement, the injury to the public hence resulting might be chormous. We therefore, are disposed to believe, that of the various proposals in regard to the eurrency, that which proposes to vest the issue of note's in the hands of Government commissioners is one of the most objectionable. The chances are ten to one that they would aet as directed by the Government of the day; and this, at all events, would be popularly assumed to be the case. Supposing, however, that they did nothing of the sort, but were perfoctly independent, still it is obvious that whatever they did more or less than
is done at present, would be mischievous. And such being the case, it is not easy to see what atvantage would be gained by their appointment; while it would have the serious disadvantage of making Government directly responsible, in the public estimation, for whatever inconvenience might at any time be supposed to result from the limitation of the currency.

The objections to the Act of 1844 are so varions and so opposite that they are not easily recollected. Sometines we are told that it is inconsistent with itself and incomplete, and that it deals stringently with the Bank of England, while it hardly interferes with the country banks. I But this is an unfair representation. In denting with the country banks the Act may not have fone quite so far as it was desirable it should have gone, or as Sir Robert l'eel wished it to go; but it notwithstanding effected, even in that respect, a very great improvement, and really left but little to be wished for.
'To prevent future over-issues of country paper it was enacted, that from and after the passing of the Act, no nev bank for the issue of notes should be established in any part of the United Kinglom. And it was further enacted, that the maximum issue of notes by the existing country banks should, in future, be limited to the average nmount which they had respectively in cireulation during the twelve weeks preceting the 27th April, 18.14; and various penalties are imposed on those whose issues exceed that tixed amount. This emmition applies on'y to banks in England and Wales. The issmes of those in Scotland and Ireland are limited to the average amount of those in eirctlation during the twelve months cnding the lat of May, $1 \times 15$. (See post.) It was then, also, orikered that the names of the parrners, in jointstock and other banks, should be periodically published.

These are most important regulations. No doubt it would have been better hat provincial issues been entirely suppressed, ane! l3ank of lingland notes mate the only legal substitute for coins. But in matters of legislation what is practicable is of quite as much imbortance as what is absolutely just and proper. Sir Robert l'eel knew what he could earry throurh Parliament. Ilad he attempted inore, he would not only have failed of his olject, but would, most likely, have endangered the success of the otlier and fir more important portion of his measure which related to the lBank of England.

Under the operation of the Act of 1844 the extinction of the country issues is being gradualiy effected, partly by somie of the issuing banks tindiing it to he for their alvantage to use notes of the lank of England instead of their own, and partly by the windiug-up of some concerns and the hankruptey of others. But, owing to the limitation of the issues, comparatively litile inconvenience has resulted to the public from the latter circumstance.

On the whole, therefore, there does not appear to be much ground on which to objeet to the existing arrangements in regaril to the country banks. Though not theoretically perfect, their practical deficiencies are unimportant. 'To attempt to obviate them might imperil other and more important arrangements. And we incline to think that the notion that such would be the case has had not a little to do in making them be pressed on the attention of the public.
Suspensions of 1847 and 1857.-But it is said, 'that even the best system cannot always to carried to an extreme. The Act of 1844 has had to be suspended in 1847, and again in 1857; and which to of it wer And, in ac discounts, per cent.' diministhe was reduc it was th reserve wu or wholly of such a
machinery for its relaxation in periods of difficulty should be introduced into it!'

We beg, however, to express our dissent from this doctrine. It would be easy to show that the embarrassment of the banking department of the lank in 18.17 which led to the suspension of the Act, was mainly is eonsequence of the injudicious proceedings of the directors ; and it is to be hoped that the experience they aequired on that occasion may not be forgotten. But in whatever way the crisis may have originate ', there can be no fuestion that the suspensiou of 1847 was a measure of doubtful policy. The exchanges had already become favourable, and it was the prevalent opinion in very weli-informed quarters, that the panie which had begun to show itself woul? specdily have disappeared without the intervention of Government. It should never be forgotten that, apart from internol panies, the time when the Aet is said to be working harshly and oppressively is the very time when it is most for the public advantage that it should be honestly carried out.

The revulsion in 1857 was occasioned by the stoppare of the American banks. The real value of the exports from this country to the United States amounted in 185i; to 21,476,0000, of which a large portion was unpaid when the hanks stopued paymeuts; and a further aud very large sum was duc to as on acconnt of dividends on state, railway and canal stocks, and so forth, held by parties in Englaud. The sudden cessation of so large an amount of payments could not fail to occasion a cood denl of distress among the merehants and others dealing with America. And it was among this class, or those intimately connected with it, that the grontest overtrading and nbuse of credit had taken place. Some tirns in (ilitsgow, which had been notoriously overtrading for a number of years, were the first to give way. And lineir failure being on a very large scale, the lanks by whieh they had been priacipally supported became the otijects of suspicion. And frum suspicion to distrust there is but a step. Notwithstanding the numbers and wealth of the shareholders respousible for the bauks in question, they were subjected to a run on the part of the inferior class of nete-holders and depositors, and their resources being either anticipated or locked up, they were ohliged to suspend payments. And had they only failed, none could have regretted the result. Oil the contrary, it would have been nothing more than they deserved, for they had lor a lengthened period grossly abused the ample resources at their command, and resorted to the most questionable means to boist er up the speenhators with whom they had become identified. But the mischief is, that the disastrous effects of such proceedings cimnot be conlined to the guilty parties. A fire originating in a pir-sty may destroy a palace. The suspensjon of the offeurlinis banks, by gencrating uneasy feelings and suspicions in the publie mind, led to a run on some of the other banks. And to provide fir their own safety these establishments immediately began to sell securities, and to adopt other means, by which to obtain supplies of gold. Large amonats of it were in consequence carried to Scotland. And, in addition to the demand for rold, that for discounts, notwithstanding the high rate of ten per cent, charged by the Bank, continued undiminislied, so that the reserve in her possession was reduced on November 11 to $1,4162,1532$.; and it was the general belief, that this inadequate reserse would be forthwith either much redueed or wholly swallowed up. To avert the possibility of such an event occarriag, the directors were
authorised, on November 12, to issue notes without being bound by the conditions of the Act of 1814.

This, though a brief, is, we believe, a sufficiently accurate account of the circumstances that led to the suspuension of the Act in 1857 . The weight to be attnethed to them will be differently estimated by diflerent individuals. The suspension is believed by some to have been, at least, prematare, and otliers think that probally it might have been avoided. It is alleged that the panic in Scotland had begun to subside previously to the measure being adopted; and it was all but certain that when it had subsided, a considerable portion of the grold that had been sent to Scotland would speedily tind its way back to London, rud some considerable risk and inconvenience should have been encountered rather than that mensures should have been adopted, the effect of which witl be to protect speculators and money dealers without capital, and wantilig alike in character and conduct, from the consequences of their unjust $i$ fiable proceedings. But, at the same time, we admit that the immediate exposure nud punishment of these parties, however desirable, was not to be purehased at the risk of a general revulsion. And as the information laid before ministers mate them beliere that suel a calamity was imminent unless the statute of 18.11 was suspended, they were bound to act upon that conviction, and to provide 'ne quid detrimenti respublien capiat,'

But whatever may be thought of these conclusions, it is at all events certain that the Act of 18.44 had nothing whatever to do with the late revolsion. It did not occasion tlie American stoppase, and under its operation the foreign drain for gold had been entirely stopped; and though it could not prevent the abuses in banking, and the system of rediscounting and overtrading in which so many banks and tirms have been engaged, it contributed in no ordinary degree, by preventing the issue of spurious paper, to contine them within comparatively narrow limits and to lessen the violence of the crisis.

The Aet of $18+4$ is a rule to be enforced in all but extraordinary and unforeseen emerqencies, ti:e nrgency of which cannot be appreciated beforeham, but must be determined at the moment, But when these occur, it may, like the llabeas Corpus Act, be properly suspended. It is mainly calculated to regulate our currency by the exchanges, or through our commercial intercourse with other countries; but it is not applicable, nor is any system of which the comvertibility of paper into coin nakes a part applicable, to a state of iuterual discredit or panic. Had it existed in 1797, it must have been suspended; and its suspensions in 18.17 and 1857 are only to be justitied by the state of our domestic aflairs making an adieronce to principle inexpelient aud impracticable. But, whenever the ciren nstances referred to, that is, when the panic and distrust that occasioned the suspension of the fot subsided, it is clear it should be, and it has been, revived in its pristine vigour. The Habeas Corpus Act is not the less eflicient at this moment that it has been repeatedly suspended in periods of danger and difliculty.

We subjoin a full
Ansthact of the Act 7 \& 8 Vict, c. 32, fon: u'g 'hating the Issue of Bank Notes, anb Ful giving to the bank of Engiand cheitain Puvibiges for a limited leblob, $19 \mathrm{JuLr}, 18.14$.
Bank to establish a separate Department for the Issue of Notes. - Whereas it is expedient to regulate the issue of bills or notes payable on demand:
and whereas the Act 3 \& 1 Wm. IV. e. os gave to the eorporation of the governor and company of the bank of England eortain privileges for a limited primp, muler certain comblitions; and it is expetient that the privileges of exclusive banking therefin mentioned shoula we entinued to the saill goveroor and company of the bank of Eingland, with suchalterations as are herein contaned, upon certain eonditions: be it therefore enacted, that from and alter the :3st dav of August, Istl, the issue of promissory notes of the governor and company of the Bank of Eingland. payable on demand, shall be separated and thenceforth kept wholly distinct from the general hanking business of the satid governor and company; and the business of and relating tosuch issue shatl be thenceforth condated and carried on by the said governor and company in a separate department, to be called
The lisue Departinent of the llank of Emortand,' subject to the rules and recrulations herejnafter contained; and it shall be lawitul for the court of directors of the satid governor and company, if they shall thist lit, to appoint a committee or committees of directors for the enniluet and manarement of :uch issue clepart ment of the lank of England, and fom time to time to remove the members, and detine, alter, and recrulate the constitution and powers of such committec. as they shall think tit, nubject to any bye-laws, rules, or regulations which may be mate for that parpose: provided nevertheless, that the said issue department shall always be kept separate and distinct from the banking department of the said governor and company. (Ner. 1.)

Mantigement of the Issue by Bamh of Englanul.Ljpon Aurnst :3i, 1841 , there shall be translerred, appropriated. aind set, apart by the said fovernor and company to the issue department of the Bank of England securities to the value of $11,000,000 \%$., whereof the debt due by the public to the said goverror and eompany shall be and be deemed a part; and there shall also at the same tume be transferred, appropriated, and set apart by the said fovernor and company to the said issue department so nuch of the gold coin and gold and silvar bullion then dede by the bank of Eingland as shall not be required by the bankine department thereof; and therenjon there shall be delivered out of the said issue department into the sad banking department of the Bank of Eugtand sucl, an amount of Bank of Eingland notes as, torgethre with the Bank of Englaul notes then in circulation, shall be equal to the aggregate amount of the scrurittes, coin, and bullion so transferred to the said issue department of the lank of England; and the whole amount of Bank of England notes then in circulation, including those delivered to the banking department of the lank of Eingland as aforesaid, shall be deemed to be issued on the credit of such securities, coin, and ballion so appropriated and set apart to the said issue department; and from thenceforth it shall not be lawful for the sididgovernor and company to increase the amount of securities for the time being in the said issue department save as herein-after is mentioned; but it shall be lnwful for the said governor and company to diminish the amount of such seeurities, and ngain to increase the same to any sum not exceeding in the whole the sum of $1, j, 000,0001$., and so from time to time as they shall sec oceasion; and from and nfter such transter and appropriation to the said issue department as aforesnicl, it shall not be lawful for the said governor and company to issue Lank of England notes, either into the banking department of the bank of lingland or to any persons or person what socver, save in exchange for other Bank of Engrand notes, or for gold coin
or for gold or silver bullion received or purchased for the said issue department under the provisuons of this Act, or in exchange for securities acquired and taken in the said issue department under the provisions herein eontained: provided always, that it shall be lawful for the said fovernor and company in their banking department to issue all such Bank of lingland notes as they shall at any time receive lrom the said issue department or otherwise, in the same manner in all respects as such issuc would be lawful to any other person or persons. (sec. 2.)

Propertion of Silarer Bullion to be retained in the Issue 1hepartment. - Whereas it is necessary to limit the amount of silver bullion on which it shall be lawfil for the issue department of the Bank of lingland to issue Bank of linglanil wotes; be it therefore enaeted, that it shall not be lawful for the Bank of England to retain in the issur department of the said Bank at nuy one time an amount of silver bullion exceeding one-fourth part of the gold coin and bullion at such time beld by the Bank of England in the issue department. (Sce, 3.)

All Persons may demand of the Issue ITepartment Nistes for Gold Ballion.-From and after the 31st day of August, 18tt, all persons shall be entitled to demand from the issue department, bank of Enepland notes in exchange for gold bullion, at the rate of $3 / .17 \mathrm{~s} .9 \mathrm{~d}$. per onnce of standard gold : provited always, that the snid governor and company shall in aill cases be entitled to require such gold bullion to be melted aod assaycd by persons approved of by the said governor and company at the expense of the parties tenderingr such gold bullion. (Sec. 4.)

Pouer to inerense Scenritios in the Issue Department, aml issue ardditional Notes.-If any banker who on the tith day of May, $1 \times 14$, was issuing his own bank notes shall cease to issuc his own bank notes, it shall be lawful for II.M. in conncil at any time after the cessation of such issue, upon the application of the said governor and company. to authorise and empower the suid rovernor aid company to increase the amount of securities in the said issue department beyond the total simu or value of $14,000,000 /$, and thereupon t.s issue additional lamk of Emedand notes fo an amount not excecdingr such increased amount of securitics specitied in sticis order $m$ council, and so from time to time: provided always, that such increased amount of securities specitied in such order in council shall in no case exceed the proportion of two-thirds the amount of bank notes which the banker so ceasing to issue may have been anthorised to issue under the provisions of this Aet; and every such order in eonncil shall be published in the next succceding London Gazette. (Sec. 5.)

Aecount to be rendered by the Banit of Engiaul. - An accomint of the amount of Janis of Emgland notes issued by the issue department of the Bank of England, and of gold coin and of gold and silver bullion respectively, and of securities in the said issue department, and also an account of the capital stock, and the deposits, and of the money and securities belonging to the sad governor and company in the banking department of the Bank of Eingland, on some day in every week to be tixed by the commissioners of stamps and taxes, shall be transmitted by the said governor and company weekly to the said commissioners in the form prescribed in the sehednle hereto annexed marked ( $\Lambda$ ), and shall be published by the said commissioners in the next succeeding London Gazette in which the same may be conveniently inserted. (Sec. 6.)

Bank of England exempted from Stump Duty repon their Notes.-From and after the said 31st day of August, 18.14, the said governor and company of the lank of Eugland shall be released and discharged from the payment of any stamp duty, or composition in respect of stamp de:ty, upon or in respect of their promissory notes payabile to bearer on demand; and all such notes shall thenceforth he and continue free and wholly exempt from all liability to any stamp duty whatsoever. (Sice. 7.)
Bank to allow' 180,000\%. per Annum.-From and after the said 31st day of August, 1844, the payment or deduction of the annual sum of $120,000 i l^{2}$, made by the said governor and company muder the provisions of the said Act passed in the fourth year of the reign of his late Majesty Fing William IV., out of the sums payable to them for the charges of management of the public nuredeemed debt, shall cease, and in licu thereof the snid governor and company, in consideration of the privileges of extlusive banking, and the exemption from stamp duties, given to them by this Aet, shall, during the continuance of such privileges aud such exemption respectively, but no longer, deduct and allow to the public, from the sums now payable by law to the said governor and company for the charges of management of the public unredeemed debt, the annual sum of 180,000l., anything in any Act or Acts of Parliament, or in ally agreement, to the contrary notwithstanding: provided always, that such deduction shall in no respect prejulice or affect the rights of the said governor and company to be paid for the management of the publie debt at the rate and according to the terms providel in the Aet 48 Geo. III. c. 4 , intituled 'An Act to authorise the advancing for the Puhlie Service, upon certain Conditions, a proportion of the Balance remaining in the Bank of bugland, for the payment of Unclaimed Dividends, Ammities, and Lottery Prizes, and for regulating the Allowances to be made for the Management of the National Debt.' (Sec. 8.)
Banh to allow the Public the Profits of incrased Circulation.-In case, mader the provisions hereinbefore contained, the securities held in the said issue department of the Bank of England shall at any time be increased bevond the total amomit of $14,000,0001$, then and in each and every year in which the same shall happen, and so long as such increase shall continue, the said governor and company shall, in addition to the said annual sum of 180,0001 , make a further payment or allowance to the public, equal in amount to the net prolit derived in the said issue department during the current year from such addutional securities, after deducting the amount of the expenses occasioned by the alditional issue during the ame period, which expenses shall include the amount of any and every composition or payment to be made by the said governor and company to any banker in consideration of the discontinuance at any time hereafter of the issue of bank notes by such banker; nud such further payment or allowance to the public by the said governor and company shall, in every year while the public shall be entitled to receive the same, be deductel from the amount by law payable to the said governor and company for the charges of management of the unredeemed public delit, in the same manuer as the said annual sum of 180,0001 , is hereby directed to be deducted therefrom. (Sce. 9.)

No new Bank of Issuc.-From and after the passing of this Act no person other than a hanker who on the Gth day of May, 1814, was lawfully issuing his own bank notes shall make
or issue bank notes in any part of the U. K. (Sec. 10.)

Restriction against Issure of Banh Notes.-From and after the passing of this Act it shall not be lawful for any bauker to draw, arcept, make, or issue, in Engliand or Wales, any bill of exchange or premissory note or engagement for the payment of money payable to bearer on demand, or to horrow, owe, or take up, in England or Wales, any sums or sum of muncy on the bills or nutes of such banker payable to bearer on demand, save and exeept that it shall be lawfill fur any banker who was on the 6ith day of May, 18t, carring on the business of a banker in Einglamd or Whats, and was then lawfully issuing, in Enghand or Wales, his own hank hotes, maler the authority of a license to that effect, to contimue to isule such notes to the extent and under the eonditions herein-alter mentioned, but not further or wherwise, and the right of any eompany or parturesilip, to cominue to issue such notes shall not be in any manner prefuliced or affected by any change which may hereafter take place in the persomat composition of such company or partnership, either by the transfer of any slares or slame therein, or by the admissiun of any new partuer or meminer thereto, or by the retirement of any present partner or member therefrom; provided always, that it shall not be lawful for any company or partnershap now consisting of only six or boss than six persons to issue bank notes at any time after the number of partners therein shall exceed sis in the whole. (Sce. 11.)

Bunkers crasing to issue Notes may not resumesIf any banker in any part of the U. K. who after the passing of this Aet shall he entitled to issue bank notes shall become bankrupt, or shall cease to carry on the business of a banker, or shall discontinue the issue of bank notes, either be agreetnent with the governor and company of thi Bank of Euglame or otherwise it shail not bo lawful tor such tanker at any time thereafter to issue any such notes. (Scc. 12.)
Existing Banks of Issuc to contiaue under certui): Limitations.-Every banker chaming under this Act to continue to issue bank notes in Eucland or Wales shall, within one month next after the passing of this Act, give notice in wrining to the commissioners of stamps and tases at their head office in London of such claim, and of the place and name and tirm at and under which suth banker has issued sueh notes during the twelse weeks next preceding the 27 th day of April last; and the eupon the said commissioners shall atsertain if such banker was, on the thth day of Mast84, carrying on the business of a banker, and lawfully issuing his own bank notes in England or Wiales, and if it shall so nppear, then the said commissioners shall proceed to ascertam the average amount of the bank notes of such banker which were in cirenation during the said periond of twelve weeks preceding the 271 day of April last, according to the returns mado by such hanker in pursuance of the Act $4 \& 5$ Vict. $e .51$, intituled ' An Act to make further Provision relative to the Returns to be inate by Banks of the Anumit of their Notes in Circulation; 'and the said commissioners or any two of them shall eertity under their hands to such banker the said average amount, when so asecrtnined as aforesaid; amb it shall be lawful for every such banker to corrtimue to issue his own bank motes after the passing of this Aet; provided nevertheless, that such banker shall not at any time after the 10th day oí October, 1844, have in circulation upon the average of a period of four weeks, to be ascertaine.t as hereinafter mentioned, a greater
amount of notes than the amount so certified. (See. 13.)

Provision for united Banhs.-If it shall be made to appent to the commissioners of stamps and taxes that any two or more banks bave, by written contract or agreement (which contract or ngreement shall be produced to the said commissioners), become united within the twelve weeks next preceding such 27th day of April as aforesaid, it shall be lawful for the said commissioners to ascertain the average amount of the notes of each such bank in the manner herein-liefore directed, and to certify the average amount of the notes of the two or more banks so united as the amount which the united bank shall thereafter be authorised to issue subject to the regulations of this Act. (Sec. 14.)

Inuplicate Certificate to be published in the Guzette.-The commissioners of stamps and tuxes shall, at the time of certifying to any banker such particulars as they are herein-before required to certify, also publish a duplicate of their certiticate thereof in the next succeeding London Gazette in which the same may be conveniently inserted; and the Gazette in which such publication shall be made shall be conclusive evidence in all coiurts what soever of the amonnt of bank notes which the banker nanted in such ecrtificate or duplicate is by law authorised to issue and to have in circulation as aforesaid. (Sec. 15.)

If Buhs become united, Commissioners to certify the Amount of Bank Notes which each Bauk wus a thorised to issuc.-In case it shall be made to appear to the commissioners of stamps and taxes, at any time hereafter, that any two or more banks, each such bank consisting of not more than six persons, have, by written contract or agreement (which eontract or agreement shall be produced to the said commissioners), become united subsequently to the passing of this Act, it shall be law ful to the said commissioners upon the applienion of such united hank, to certify, in manner herein-before mentioned, the aggregate of the amounts of bauk aotes which such separate banks were previonsly authorised to jssue, and so from time to time; ind every such certiticate slatl be published in manner herein-before directed; and from and after such publication the amount therein stated shall be and be deemed to be the limit of the amonnt of bank notes which such united bank may have in circulation: provided always, that it shall not he lawful for any such united bank to issue bank notes at any time after the number of parmers therein slall exceed six in the whole. (Sec. 16.)

Penalty on Banks issuing in excess.-If the monthly average circulation of bank notes of any barker, taken in the manner herein-alter directed, shall at any time exceed the amount which such banker is authorised to issue and to have in circulatio: under the provisions of this Act, such banker shall in every such ease forfeit a sum equal to the amount by which the average monthly circulation, taken as aforesaid, shall have exceeded the amount which such banker was nuthosised to issue, and to have in circulation as aforesaid. (Sec. 17.)
Issuing Baaks to render accounts.- Divery banker in England and Wules who, after the loth day of October, 18.14, shall issue bank notes, shall on some one day in every week after the lWth day of October, 1844 (such day to be dixed liy the commissioners of stamps and taxes), transmit to the said commissioners an account of the amonut of the bank notes of such binuer in circulation on every day daring the week ending on the next preceding Saturday, and also an account of the
average amount of the bank notes of such banker in circuiation during the same week; and on completing the first period of four weeks, and so on, complet ing each successive period of four weeks, every such banker shall annex to such account the average amount of bank notes of such banker in circulation during the said four weeks, and also the amonnt of bank notes which such banker is authorised to issue under the provisions of this Act; and every sueh account shall be verified by the siguature of such banker $r$ his chief cashier, or, in the case of a eompany or partnership, by the signature of a managing director or partuer or cliief cashier of such company or partnership, and shall be made in the form to this Aet annexed marked (B); and so much of the said return as states the weekly average amount of the notes of sueh bank shall be published by tho said commissioners in the next succeeding Landon Gazette in which the same may be conveniently inserted; and if any such banker shall neglect or refuse to render any such account in the form and at the time required by this Act, or shall at any time reader a false account, such banker sluall forfeit the sum of 1001 . for every such offence. (Scc. 18)

Mode of ascertaining the arerage Amount of Bank Notes of' each Banker.-For the pirpose of ascertaining the monthly average amount of bank notes of each banker in circulation, the agrerate of the amount of bank notes of each such hanker in cisculation on every day of business during the first complete period of fivar weeks next alter the 10th day of Oetober. 18.1. such period ending on a Saturday, shall be divided by the number of clays of business in such four weeks, and the avorage so ascertained shall be deemed to be the average of bank notes of each such tanker in circulation during such periol of four weeks, and so in each successive period of four weeks, and such average is not to exceed the amount certified by the commissioners of stamps and taxes as aforesaid. (Sce. 19.)

Commissioners empoucered to conse the Boohs of Bankers to be inspected.-Whereas, in order to insure the rendering of true and faithful accounts of the amount of bank notes in circulation, as directed by this Act, it is necessary that the commissioviers of stamps and taxes should be empowered to eause the books of bankers issuing such notes to be insjuected, as herein-after mentioned: be it therefore enneted, that all and every the book and books of any banker who shall issue bank notes under the provi.ions of this Act, in which shall be seft, contained, or entered any accomnt, minute, or memorandum of or relating to the bank notes issucd or to be issued by such banker, or of or relating to the amount of such notes in circulation from time to time, or any account, minute, or memorandam the sight or inspection whereof may tend to secure the rendering of true accounts of the average amount of such notes in circulation, as directed by this Act, or to test the truth of any sueh aceount, shall he open for the inspection and examination, at all reasomable times, of any offiecr of stamp duties authorised in that behall by writiag, signed by the commissioners of stamps and tases or any two of them; and every such ollicer shall be at liberty to take copies of or extracts from nuy such book or account as aforesuid: and if any banher or other person keeping any such hook, or having the custody or possession thereof. or power to produce the same, shall, upon demand inade by any such officer, showing (if reguired) his authority in that behalf, refuse to produce any such book to such oftieer for his inspection and examination, or to permit him to
inspect an thereof on such accon kept, cont banker or every such vided alve not exerci consent of

All Banh Stamp Od Wales who carry on lua Janiary in after, inake stamps and his name, case of a residence, an posily or be partnership, a which such be on the busin where such bu banker, comp refise to mak the said 1st make other the herein require nership so offe of $501 . ;$ and th taxes shall, on every year, pub within each tow of the return so or partnership ea within such tow case may be.

Bunkers to take Place at ubhieh $t$ banker who shall license from the taxes to authoriso shall take out a $s$ every town or pla. or his agent, issu such license to aut thing in aity forme thereof notwithsta no banker who on 1844, had taken on the said last-menti force, for the issuin more than four sepa anly time hereafter have in force at one four such licenses to notes or bills at all 0 places specitied in said eth day of $\mathrm{M}_{3}$ places respectively, s the said last-mention
bills in pursuance of respectively. (Sec. 2
Comperasation to ce, Schedrte.-Whereas t
the schedule the schedule hereto ceased to issue their o Breements with the $g$ Bank of England; an arrecinents savuld ce. Shst day of December should receive by w composition as hereaf
of stich bankers, and a of such bankers, aud a
sums in respeet of whid receive compensation, $h$

BANK-BANKING.
inspect and examine the same, or to take copics thereof or extracts therefrom, or of or from any sueh aceount, minute or memorandum as aforesuid banker or other person so therein, every such every such offence forfeit the sum of shath for vided always, that the said commissioner: pronot exercise the powers aforesaid withouts shall consent of the Lords of the 'Treasury. (Sec. 20.)
All Bankers to return Names once a Year to the Wales whe is now - Every bauker in England and carry on business as such, shall, or shail hereafter Janinary in each year, or with, on the Ist day of after, make a return to the commissioners of stamps and taxes at their head office in London of case of a compence, and occupation, or, in the case of a company or partnership, of the name, posing or and occupation of every person compartnership, and also the name of such company or which such banker, company, or partuership under on the business of banking, and of every parry where such business is carried on ; and if auy such banker, company, or partnership shall omit or refuse to make such return within 15 days after
the said 1st day of January, make other than a true return, of shall wilfully herein required, every banker, company, or partnership so offending shall forfeit and pay the sum of 501 ; ; and the said commissioners of stanıps and taxes shall, on or before the 1st day of March in every year, publish in some newspaper cireulating within euch town or county respectively, a copy of the return so made by every banker, company, within such town or county business of bankers case may be. (Sec. 21 .) Bankers to take out $u$.)
Place ut which they issue Note License for every banker who shall be liable by law to take out a license from the commissioners of stamps and taxes to authorise the issuing of notes or bills, shall take out a separate and distinct license for every town or place at which he shall, by himself or his agent, issue any notes or bills requiring thing in any former Act contained to the contrinythereof notwithstanding: provided always, that no banker who on or before the fith day of May, 1844, had taken out four such licenses, which on the said last-mentioned day were respectively in force, for the issuing of any such notes or bills at
more than four soparate towns or places, shall at any time hereafter be required to take out or to lave in force at one and the same time more than four such licenses to authorise the issuing of such places specitied in such licenses in force on the said 6th day of May, 1844, in whieh towns or plaees respectively, such bankers had, on or before the said last-mentioned day, issued such notes or bills in pursuance of such licenses or any of them respectively. (See. 22.)
Compensation to certain Bankers named in the Schcdule. -Whereas the several bankers naned in the schedule hereto annexed marked (C) have
ceased to issue their own bank notes under ceased to issue their own bank notes under certain Brenk of lingland: and it is expediempany of the agreements suould cease and determine on that 31st day of December next, and that such bankers should receive by way of compensation sueh composition as hereafter mentioned; and a list of such bankers, and a statement of the maximum sums in respect of which eaeh such banker is to receive compensation, hath been delivered to the
commissioners of stamps and taxes, signed by the fore eashier of the Bank of England: be it therebetween the said the several agreements subsisting several bnakers montionor in the seheduy and the relating to the issue of Bank of Finclate hereto shall cease and determine on the 3land notes December next; and from and after that day of suid governor aml company shall pay and allow to the several bankers named in the schednle hereto marked (C), so long as such bunker shall and willing to receive the same, a composition at and after the rate of $I /$. per cent, per anmum on the average amount of the Bank of England notes insued ly such bankers respectively and actually remaining in circulation, to be ascertained as month of April, to say) on some day in the governor and company, be determined by the said of the Bank of Eingland notes delivered to sueh bankers respectively by the saill governor and company within three months next preceding, and of such of the said Bank of England notes as shall have been returned to the Bank of England, and the balance shall be deemed to be the amomit bankers respectivel England notes issued by such a similar account shall be taken at intervals of three calendar months; and the average of the balances ascertained on taking four such accounts shall be deemed to be the average amount of Lank of England notes issued by such bankers respeetively and kept in circulation during the year respe and on which amount such bankers aro of I per cent. fer the year aforesaid composition counts shall be taken in each succeeding yearbut in each year such aecounts shall be taken in; different months from those in which the accounts of the last preceding year were taken, and on different days of the month, sueh months and days to be determined by the said governor and paypany; and the amount of the composition govable as atoresaid shall be paid by the said and in case any difference shall arise between any of such bankers and the governor and company of the Bank of England in respect of the composition payable as aforesaid, the same shall be determined by the Chancellor of the Exehequer for the time and tho by some person to be named by him, chequer, or his nomine shancellor of the Exelusive: provided always, that it shall be lawful for any banker named in the seliedule hereto annexed marked (C) to discontinue the receipt of sueh composition as aforesaid, but no such thanker shall by such discontinuance as aforesaid
thereby acquire any right or title to issuc bank
Batk of Singland to be ullowed to compound with Issuing Banks,-1t shall bo lawful for the said governor and company to agree with every banker who under the provisions of this Act shall be entitled to issue bank notes, to aliow to such banker a composition at the rate of 1 per cent. per annum on the amount of Bank of England notes which shall be issued and kept in cireulation quishm banker, as a consideration for his relinnotes: ascertaining and determining the anount of composition payable to the several bankers named in the schedule hereto marked (C) shall apply to all such other bankers with whom the said governor and company are hereby antliorised to agree as aforesaid : provided that the amount of composi-
tion payalbe to such bankers ns last nforesait shall in pery case in which an inerease of securities in the issue department shall have been authorised by any orider in council be dedueted out of the amount payable by the said governor and company to the public umider the provisions lowein contrined：proviled always，that the total sum payable to any hanker under the provisions horein contained by way of composition as afore－ said，in any one year，shall not exceed，in ease of the hankers mentionel in the schedule hereto marked（C）， 1 per cent．on the several bums set moinst the names of such bankers respectively in the list and statement delivered to the com－ miswioners of stamps as aforesaid，and in the case of uther bankers shall not exceed 1 per cent．on the amount of bank motes which such bimkers respectively would otherwise be entitled 10 issue under the provisions hercin contaned， （Suce 24．）

Composiitious to cease on 1st August，1856，－All the（rmunsitions payable to the several bankers mentioned in the schedule hereto marked（C）， and such other bankers as shall agree with the saill frevernor and company to discontinue the issue of their own bank notes as aforesaid，shall， if not presiously determined by the act of such loanker as herein－before provided，cease and deter－ anine on the ist day of August，1856，or on any earlier day on which Parliament may prohibit the issue of bank notes．（Sec．25．）
Buahs within Sixty－five miles of Londom mury areper，\＆e．Bills－From and after the passing at this Act it shanl be lawful for any society onr company or any persons in partnership， though exceeding six in number，carrying on the business of banking in London，or within tiw miles thereof，to draw，accept，or endorse bills of＇exchange，not being payable to bearer on domand，anything in the herein－before recited Act passed in the fourth year of the reign of his said Majesty King William IV．，or in any other Act，to the contrary notwithstanding． （Sice 26．）

Lank to enjoy Privileges，subject to Redemption －＇The said governor and company of the Bank of England shall have and enjoy such exclusive privilege of banking as is given by this Aet，upon surl terms and conditions，and subject to the termination thereof at such time and in such manner as is by this Act provided and specitied； and all and every the powers and authorities， franchises，privileges，and advantages given or recognised by the sail recited Act， $3 \& 4$ Win．IV．e． 9K，as belonging to or enjoyed by the said governor and company of the Bank of Eingland，or by any subsequent Act or Aets of P＇arliament，shall be and the same are hereby deelared to be in finll foree， athl continued by this Act，except so far as the sitme are alterel by this Act；subject，nevertheless， tu redemption mon the terms and conditions following；viz．at any time upon 12 months＇ nutice to be given after the 1st day of August， 180．5，and upon repayment by Parliament to the said fosernor and company or their successors of the sim of $11,015,1001$ ．，beiner the dobt now due from the public to the said governor and company， without any detuction，diseount，or abatement whatsocver，and upon payment to the said coscruor and company and their successors of all arrears of the sum of $100,000 /$ per annum，in the la－t－mentioned Aet mesitioned，together with the interest or ammuties payable upon the said debt or in respect thereof，and also upon repayment of all the principal and interest which shall be owing thito the said goveruor and enmpany and their succesours upon all such tallies，exchepuer orders，
exchequer litls，or parliamentary funds which the said governor and company or their successors shall have remaining in their hatads or be entitled to at the time of such notice to be given as last aforesaid，then and in such case，and net till then， the said exclusive privileges of banking granted by this Act shall crase and determine at the expi－ ration of such notice of 12 months：and any vote or resolution of the llouse of Commons，signitied under the hand of the speaker of the sain Ilouse in writing，and delivered at the public olliee of the saill rovernor and company，sliall be deemed and adjudged to be a sutlicient notice．（Sec．27．）

Return of the Bank Nutes issued from April 11， 4800，to February 7． 1566 ，on the first Wednestay of cach month；alistingnishing Notes held by the Public，and the Itanh，and the Sccurities on which the Issue uas paid．

| W＇eek rnding | Niotes held by the l＇utile | Nioter helti by lie bank | ＇rital <br> 1 1sube | Butlion |
| :---: | :---: | :---: | :---: | :---: |
| 1400 | ${ }^{5}$ | i | ＊ $\boldsymbol{E}^{*}$ | 安 |
| Aprilil | 23,4178000 | 1．922， 000 | 25， 3 F6， 160 | 13，911，000 |
| Muy 2 | 2C，227，5H0 | $6,367,1 / 90$ | （ $2,5!21,4400$ | （4，119，（1）（x） |
| Tunte 6 | $\left.21,2 \mathrm{~L}, \mathrm{~K}_{2}(\mathrm{H}) \mathrm{H}\right)$ | $\mathrm{S}_{2} 34 \times 1 / 146$ | 49，in： 6,1400 | 15，161，1000 |
| July 1 － | 21，96，5， $14 \times 3$ | X，26，5， 0,16 | 31，467，000 | 15，752，160 |
| August 1 |  | T，${ }^{\text {2 }}$ 27，（ha） | 29， 9196,044 | 15，（02），000 |
| sepremater 3 |  | $8,4 \times 1,1 \times 11$ | $24,911,4818$ | 15，459， $1 \times 6$ |
| Ge：taharer 3. | 21，953，0410 | 7，6m9， 614 | 29，694，140 | 15，167，100 |
| Novermber 7 | 21，296，4ky | 6，429， 176 | $47,6.15,400$ | 13，166，600 |
| 1 ecemiluer b | 20，207，000 | 7，198，000 | 27，105，000 | 12，430，600 |
| $\begin{array}{r} 1861 \\ \text { Itanuary } \end{array}$ | 20，511，000 | \＄，990，000 | 24，911，000 | 11，936，000 |
| Fehruary os | 19， $\mathrm{N}_{29,540}$ | 5，fity， 1100 | 2\％，ink thig | $11,013,000$ |
| Marchi 6 － |  | 6， 3 31，1191 | 25，6i27， 610 | 11，152，000 |
| $A^{\text {April }} 3$ | 19， 240.1403 | 6， 814,8010 |  | 12，193， $14(1)$ |
| May | $20,30 \% 1410$ | 6，41M，（064 | （2i， $515,14 \mathrm{~m}$ | 12，010，000 |
| June 5 | 19， $46.5,5100$ |  | $2 \cos ^{5} 15,104$ | 11，070，1000 |
| July 3 | $\% \mathrm{CO63,1} \mathrm{\% 40}$ | $5,631,0 \mathrm{~K})$ | 24， $4.97,1$ ¢） | 11，224， 1100 |
| dugust 7 | $210,747,1 \times 10$ |  | 26，13\％， 0100 | 11，4 11,1000 |
| Stprember 4 | 2tr， 2198 ，（lam | 6， $1,71,1441$ | 26， $973,7,040$ | 12，323，000 |
| （ ）ctober＇2 | 2i，4184，00以 | 6，92． 2 ，me： 1 | （ $8,1 / 11,10410$ | 1，3，361，100 |
| Nurember 6 | 20．773，${ }^{\text {chw }}$ | 7，2m 2101154 | 24，0．53， 12 Hm | 13，404，001） |
| lecember 1 | $20,410,000$ | $8,58 \%, 000$ | 48，938，1000 | 14，288，000 |
| 18f2 |  |  |  |  |
| Immary 1 | 40，165，000 | 9，62\％，000 | 29，792，000 | 15，142，010 |
| Ketwuary 5 | 20，735，（1） 4 | 9，4，41，0．${ }^{\text {a }}$ | 20，76．5，1460 | 15，115，00 c |
| Mareh 5. | $20,531,040$ |  | 29．173， 100 | 14，843， 140 |
| Aprizz |  | 9，787，000 | 3t，612， 0109 | 15， H ，2，000 |
| May 7 | $21,1919,17 \mathrm{~m}$ | 11，00）1，（1）（1） | $31,05,3,1610$ | 16，403，6m |
| June 4 |  |  | 29，249，1000 | 14，646，100 |
| July 2 | 21，（i） $6,0 \mathrm{Hm}$ | 8， $4,4,4 \mathrm{mH}$ | $30,10 \mathrm{Md}, 140 \mathrm{H}$ | 15， 134,1$) 4$ |
| Aukust 6 |  | 9， 194,161$)$ | 31．＊ 53,016 | 17，135，000 |
| thateminier 3 | $41.5110,0141$ | 10，253，（60） | 31，Ctiz， 000 | $17,1112,1900$ |
| wornwiber 1 | $21.533,(4 \mathrm{Na})$ | 9，3tifi，（1） 0 |  | 16，2．19，4100 |
| invotember 5 | $21.100,101)$ | $\mathrm{N}_{3} 311,0010$ | 49， 211,1000 | 14， $6,61,1 V_{0} 0$ |
| Lencumater 3 | 19，756，040 | $8,990,000$ | 24，741，000 | 14，091，000 |
| 1863 |  |  |  |  |
| Janary 7 | 26,2288000 | 8，3013， 0100 | 28，4＊ 5,1100 | 13，786，000 |
| February 1 | 20，1711，000 |  |  | 12，816，100） |
| Marels ${ }^{\prime \prime}$ | 19，640，000 |  | $24,2.57,140$ | 13， 607,000 |
| April 1 | con， $312 \mathrm{M}, \mathrm{mos}$ | 8， 5 \％ 0 ，（C） 10 |  | 11，248，000 |
| May ${ }^{\text {a }}$ | 20，774， 1100 | 8，167， 6 H0 ： | （2x， $941,1 / 10$ | 11，241，191） |
| June 3 | 20，4 6540000 | $\because, \overline{-16,00}$ | 24，214， 1400 | 13，5（id， $1 \times(0)$ |
| July 1 |  | 7，7．34， $\mathrm{N口}$ ） | 25， 971,000 | 11，22 1，\％00 |
| August 5 | 21， 2775,400 | 7，1mit， 1 （1） |  | 14，026，000 |
| Seppemiver 9 | 21，191，0100 | \％，193， 14 | 24，3，4， 010 | 11，73．4，000 |
| October： | $21,76 \times, 000$ | 7， $0.52,4 t 50$ |  | 14，1713， 6 \％ 0 |
| November 1 | \％\％，041，106 | 5， $501,(4) d$ | 47，W15， $1 \mathrm{H}(4)$ | 13，195，140） |
| Hecember ${ }^{\text {2 }}$ | 21，022，000 | $6,062,014$ | $27,0 \times 1,000$ | 12，43＋，000 |
| 1864 |  |  |  |  |
| January 6 | 20，718，000 | 7，416，000 | 45，16t，000 | 17，51 1,000 |
| Feloruary 3 | （20， 336,4140 | $6,721,000$ | $27,27,6,1 \times 10$ | 12，6246，0611 |
| Sharch 2. | 21， $218,06 \mathrm{~K}$ | 7， $12,-1,0 \mathrm{n}$ | $27,914,1010$ | 13，214， 010 |
| April 6 | 21，465，000 | $(6,581,046)$ | $27,5 \times 7.184)$ | 12， $3.77,(10 n)$ |
| May 1 | 21，481，0m | 1，914， 12 im | $24.125,060$ | 11，77\％， $1 \mathrm{~m} \times$ ） |
| $J$ une 1 | 20，8885，14n） | 7，147，0ten | 2Y，0115，100 | $13,24.3000$ |
| July 6 | $41,381,000$ | （i，sis，（010） | $2 \%, N 94,(100)$ | 13，2 247,000 |
| Aukust ${ }^{\text {d }}$ | 21，9229，$(14 \mathrm{H})$ | 4，893， 0101 |  | 12，172，（10t） |
| siphember ： | $20,5111,1601$ |  |  | 12，2世゙，000 |
| 1etohers | $21,5.53,(21019$ | $5,651,1$ но | $26,427,0140$ | 14，277，＜кни |
| November ${ }^{\text {g }}$ | 21， $1111,0 \% 1$ | $6,178,196$ | 27，221，1410 | 12，571， $\mathrm{Mmam}^{\text {d }}$ |
| Dectmber 7 | 13，642，010 | $6,049,600$ | 2\％，311，（1） | 13，051，000 |
| 186．5 |  |  |  |  |
| Jabuary 1 | 20，515，0100 | 7，454，000 | 27，969，000 | 13，319，0040 |
| February 1 | 211， 3 ，3\％， 0100 | 7， 852,0104 | 25，381， 1000 | 13，751，040 |
| Mareh 1． | 19，933， 0 （ 4 ） | $8,7<8,(6 \ldots)$ | 2N，ti61， 10 m | 11，011， 060 |
| Aprid 3 | 20， $94.3,5691$ | N，149，001 | $29,1852,1490$ | 11，19\％ 2,480 |
| May 3 | 2 1， $6153,146 \mathrm{l}$ |  |  | $13,856,480$ |
| Iune 7 | $2 \angle 1,1 i_{i} 1,4$ ¢ | 6，377，01401 | 29， 211,060 | 11， $241,0(16)$ |
| July 5 － | $2 \pm 2210,(101$ | $7,5 \% 1,(600$ | $24.753,1169$ | 15，125，000 |
| August 2 － |  | 5，404，（4， 5 | 28， $22.51,1930$ | 13， $1,04,0(6)$ |
| Feptember 6 |  | 6，370，0（H） |  | $15.124,000$ |
| Oitolier 1 |  | 4，362， 470 |  | $12,410,(\mathrm{H})(1)$ |
| Novernlot ！ | 21， $297.2 w^{2}+1$ | $7{ }^{2} 316,01 \%$ | 27,162 | 12，il $2,(1)+8)$ |
| December 6 | 20，753，000 | \％smet，1910\％ | 25，335，000 | 13，68\％ 5,1000 |
| 1HG6 |  |  |  |  |
| January 3 | 27， 777000 | 5，253，000 | 47，030， 000 | $12,380,000$ |
| Felruary 7 － |  | 5，407， 51 HO | $26,923,1400$ | $1 \% .873,(000$ |

Interpretation Cluuse. - The term brank notes it. Purchases and sales of every description of used in this Act shall extend and apply to all bills or notes for the payment of monery to the bearer on demand other than bills or notes of the governor and company of the Bank of England; and the term Bank of England notes shall extend and apply to the promissory notes of the giovernor and company of the Bank of Lonfland payble to hearer on demand; and the term bunker shall extend and apply to all corporations, societies, partuerships, mil persons, and every individual person earrying on the business of banking, whether by the issue of hank notes or otherwise, exeept only the governor and company of the Bank of England; and the word person nsed in this Act shall inchule corprations; aud the singular mumber in this Aet shatl include the plural number, and the pharal number the singular, except where there is anything in the context repugnant to such constructim; and the maseuline gender in this Aet shall inchule the feminine, except where there is anything in the context repugant to such eomstruction. (Sce. 28.)
-14 Account, pursuant to the Act 7 \&. 8 Viet. e. 3:\%,
for the Wetk culing on Weduestay, Aug. 7 , 18tia.
applications are made to her, in ordinary periods, fur discounts. liut, at the same time, every one whos has any rensonable security to offer, knows where they inny always be had; while the rate of interest eharged by the Bank necessarily forms a murimum rate which no other establisliment cun exceet. When, however, any circumstances occur to ocension a pressure in the money market, or a ditficulty of obtaining accommodation in the usual channels, the market rate of interest generally rises to the rate tixed by the Bank, how high soever thint may be, and on such ocensions the private bankers, and the public genernily, resort to the lhank for aid. She then becomes, ns it were, a bank of support; nud has, ns such, on various oceasions, rentered frood service to public credit, and to the commercial interests of the country.
lhit, nt the same time. it must be admitted thint the interference of the Bank in assisting the commercial interest is a matter that requires the greatest consideration, nond that it can only be safely undertaken in rare instances and unter very peculiar cireumstances. We repent again, that however a drain for gold may originate, the fact of its existence shows conclusively that gold is more valuable abroad thinn here, and consequently that the curreney is redundant and ought to be diminished. Under such eircumstances, it is the imperative duty of the directors, if they would present the total exhaustion of their banking reserve, not to fill up the vacuum caused by the exchange of notes for bullion, by the issue of fresh notes. It is at such periods, no toubt, that the aptilicationa for assistance are the most urgent ; but it is impossible to yield to them, and nt the same lime to entored that systematical and contimuous reduction of the issues which is indispensable tor the safety of the bonking department of the Bank. She ean no longer assist herself, as on former occations, hy making fresh issues of paper. And in truth that resource was of no reat advantnge to her, hat the reverse. It tempted her to disregard those great principles and warnings which never cun be negleeted with impunity. The great conmercial crises that took place in 1793, in $1815-16$, in 1825 , and in 1836-39, were all increased in violence nud destructiveness by the Jank declining to narrow her issues immediately on the exchance becoming unfavourable, and defurring her repressive action till too late a period.

Methods by which the Dank may reduce her Issues.-When the Bank sets about reducing lier issues, she may effeet her object in various ways, viz., by rejecting n portion of the bills sent to licr for discount, by raising the rate of interest at which she discounts or makes advances, by shortening the dates or echeance of the bills which she negotiates, and by selling bullion and securities. Of these means, some may be more or less cxpediont at one time, and some at another. On the whole, however, the dirst mode, or the rejection of bills, seems to be, in all respects, the most objectionable. The Mank will not, of course, discount any bill in regard to the jayment of which there can be any reasconable donbt. And when the solidity of the bills offered for discount cannot be objeeted to, it becumes an incidious, if not an unjust proceecting, to discount some and reject others. Under such circumstances, the true plan is to raise the rate of interest, for while such rise operates equally and universally, it makes rich parties, or those who can avail themselves of other means of aceommodation, withhoid their demands, and thus effect its ohject in the frirest and easiest way, and without sacrifieing individuals.

Inasmuch, however, as any sudden rise in the
rate of discount, especinlly if it be conslderable, is nlways productive of inore or less inconvenienca to the mereantile world, it may be proper, when the exchange becomes nufavournble, to endeavour to restore it to par by shortening the dates of bills, and, if circumstances will permit, by selling bullion and securities. llut, nt all events, the redundancy of the currency must be got rid of, and the exchange redressed; and if the other means at the disposal of the liank be inadequate to elfeet this object, a rise in the rato of interest slould be at once resorted to, and carried to the necessary extent.

It may be observed, with respect to the snle of securities, that they may he wholly or partly paid by drafts agrainat deposits held by the lannk. But, if so, it is clenr that, at nll events, her ifebts, or the obligntion unter which she lies to pny notes or goht to depositors when demmiled, will be in so finr reluced.
'Ihe fact that the applications for discount at the liank are nsually most numerous when the rate of diseount is highest, has caused some doubts to be entertained in regrard to the efficaey of a rise in that rate to raise the value of the currency, and restore an unfavourable exchange to par.

Ilut the additional demand for discounts, on the oceasions referred to, is most commonly a consequence of the ineruased dilliculty of obtaining thern in other quarters; and when the rate of discount beeomes unusually high, npprehensions of a revulsion begin to be entertained, and bankers nnd others carry bills to the Bank, not that they may get grold to send abroad, but that they may provite for their own security, by getting a supply of notes or gold, or both, to keej, in reserve. Anil it is furtber to be observed, that the rise in the rate of interest, whether it be, as it usually is, the result of enpital becoming searcer or more productive, or of a tempornry increase in the demand for money, uniformly operates to hinder the exportation of the latter. That such is the case is evinced by what took place in 1825 , and in 1836-37. And on a more recent occasion, notwithstanding the large sums lent by the Hank on bills and advances of one sort or other, the $t 0$ per cent. rate of interest charged by her was sufficient to stop the efflux of bullion to the Continent and the United States ; and, but for the abuse of crcdit by some private establishments, the restoration of the exchange to par wonld have been ellected without any internal revulsion.
Mischievous Effects of discounting Bills at long Dates.-The Bank of England rarely discounts bills that have more than two, or at most three, months to rum, and it werz well were this rule generally observed by other establishments. The discounting of bills at lang dates is a powerful stimulus to unsafe speculations. When individtuals obtain loans which they are not to be called upon to pay for six, twelve, or, perhaps, eighteen months, they are tempted to adventure in speculations which are not expected to be wound up till eome proportionally distant period; and as these not unfrequently fail, the consequence is that, when the bills beeome due, there is commonly little or no provision made for their payment. In such cases the discounters, to avert an imminent loss, sometimes consent to renew the bills. But, while a proceeding of this sort. is rarely productive of ultimate advantage to either party, the fact of its having taken place makes other adventurers reekon that in the event of their speeulations proving to be less successful than they anticipated, their bills will be treated in the same manner, and thas aggravates and extends the evil.
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In other respects，too，the discount of hills at long dates，or their renewal，or the making of permanent loans，is altogether inconsistent with sommd banking principles，for it prevents the lonkers from laving that command orer their revouress which is ulvantageons at all times， and indingensable in periots of ditliculty or dis－ tress．
listinction betueen real unel accommorlation Bials．－In the disconnting of bills，a great teal of striss is usually laid，or pretended to be lait，on the distinetion between those that arise ont of real transactions and those that are fictitious，or that are intended for accommorlation purposes．The former are said to he legitimate，while the latter are stigmatised as illegitimate．But Mr，＇Thornton （On the P＇oper Credit of Groat Britain，elı．ii．） has shown that the difference between these two classey of bills is neither so well marked nor so wide as most persons suppose．$\Lambda$ notion suems to be generally entertained that all real bills are drawn against produce of one sort or other，which， or its value，is supposed to form a fund for their paymont．Such，however，is not always，nor even most commonly，the case．A，for example， sells to I certain produce，for which the draws a bill at sixty diys date．lut priees are rising， trate is brisk，or a spirit of speculation is alloat， and in a week or two（sometimes mueh less） 13 sells the produce at an advance to $d$ ，who thereafter sells it to D ，and so on．Hence it may，and in faet frequently does，lappen，that bills amonnting to four，tive，or even ten times the value of a quantity of merchandise，have grown out of its strecessive sales，lefore the first bill of the series has become due．And not only this，but bills are themselves very frequently redisconnted；and in this case the credit of the last indorser is generally the only thing looked to；and there is mot，perhaps，one case in ten in which any euquiries are made in regard to the origin and history of the bills，theurf they are olten of the most questionable deseription．

On the whole，therefore，it would seem that the real or presumed solidity of the parties signing a bill，and responsible for its payment，is the only safe criterion by which to jodige whether it shonlil or should not be discounted．lut the fact of a merchant or other trader offerinis accommodation bills for discount ought nuquestionably to excite a suspicion that he is trading beyond lis capital． Engniries of the most searching descript ion shouht forthwith be instituted；and unless satisfactory cxplanations are given，his paper should be re－ jected．On the same principle，the offering of hills for rediscount ought to awaken suspicions of the bankers and others who resort to so questionable a mode of earrying on business． That，except in so far as a feeling ot distrust may he thas very properly excited，there does not appear to be anything in an aecommodation bill per se to himber it from coming within the pale of negotiability．It is a mode of obtaining a loan from a bank：and when the character of the bill is known to the banker，or is openly de－ clared，it does not appear to be an objectionable mode．
lBesides bills arowedly intended for aceonmo－ hation purposes，another and a different variety of such bills is drawn by parties at a distance from each other，often men of straw，and made to appear as if they were bottomed on real trans－ actions．And we are sorry to say，that bills of this sort are always current，and often to a large extent．Of course no person of respectalility can be knowingly connected with such bills，which are almost always put in motion either to bolster
up some hankrupt concern，or to cheat and deffaud the public，Buit despite the misclicf of which they are probluctive，it appenes to be pretty generally supposed that the eurreney of these bills is an evil which cannot be prevented．There cau，however，be no real doultt that it inas，at all events，be very greatly diminished；and this desirable result would be etfected wore it enacterl that all hills shoukd henceforth bear upon their face what they really are－that those that are intemiled for accommodation purposes shall have at their head the words．Accommodution Bill；and that those only shall bear to be for＇value re－ ceived＇that have grown out of bomat ficle transfors of property．An cuactment of this sort conlal not be felt as a grierance by any one miless he had a fraulnlent purpose in view．Aut were the im－ pressing of a fralse character on a bill made a criminal offence punishable by three years＇im－ prisomment，or some such penalty，there is every probability that a formidable cheek wonld be fiven to the issue of spurious bills，and to the manifoll abnses to which the practice gives rise．
Bill－discounters who lave got fictitious paper on their hands，and attempt，as has been doue， to get rid of it by concealing its character，or representing it in a farourable light，make them－ selves parties to the fraud．Such conduet is so very flagitions，that when it can be fairly bromght home to the parties，it should subject them to the severest penalties．
Ratcs of Discount charged by Banh．－The rates of discount claarged by the Bank dluetuate with the variations in the demand for money，and in the rate of interest．The rates of discount since 1856 have heen as follow：－

Rutes of Discount．

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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18.56 |  | lec． | 2. | Aug． | 5 | 1864 |  | Ort． | 3 |
| Jan． | 6 | Aver． | is | Ang． | 41 | Jan． | 4 | O＇t． | $\stackrel{6}{6}$ |
| ${ }^{31} 4 \mathrm{y}$ | 9） | 18.59 |  | Aus． | 1 | Feli． | 7 | Gct． | 7 |
| Juiu | 4 | dirit |  | Supt． | 312 | Frb． | 6 | Nov． | ${ }_{6}$ |
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| Nov． | \％ | Jay | 3 3） | Aver． | 的 | 3 3ay | 8 9 | Aver． | 18 |
| lece． | ${ }^{6}$ | June | 3 |  |  | M．ay | 9 |  |  |
| Aver． | 51 | July | 4 | 1852 |  | 3lay | 4 | 1566 |  |
|  |  | A ver． | 3 | $\mathrm{J}_{11} \mathrm{I}$ ． | 21 | Slay | 6 | Jan． | \＄ |
| 1857 |  |  |  | Alay | 3 | June | 6 | Feb． | 6 |
| A pril | 61 | 18 O 0 |  | July | 21 | Aug． | 8 | Warch | ${ }_{7}$ |
| June | \％ | Jun． | 3 | July | $\frac{4}{3}$ | Sug． | 9 | Way | 7 |
| July | 5 | Febit | 5 | oct． | 3 | Nov． | 4 | May | 8 9 |
| Olet． | 6 | April | 4 | A ver． | 43 | Nov． | 7 | Miy | 10 |
| Oct． | 7 | M．1． | 41 |  |  | lec． | 6 | Itay | 10 |
| Nov． | ＊ | May | 4 | 1865 |  | Avcr． | is | Ank． | 8 |
| Nos． | 19 | Nov． | ${ }_{5}^{4}$ | ${ }^{1} 1 \mathrm{~m}$ ． | 4 | Aver． | 7 | Аиц． | 7 |
| Nov． | （1） | Nov． | fis | Jan． | 5 | 1865 |  | Aug． | 5 |
| Aver． | 7 | flec． | 5 | Fel， | ${ }^{1} 1$ | Jan． | is | －rpp． | 41 |
| Aver． | 1 | Der． | 6 | Aprit | 31 | Jant． | 5 | Nup． | 4 |
|  |  | Aver． | 4． | April | \＃ | 31arch | 11 | Jece | it |
| 18．58 |  |  |  | May | 31 | March |  | Iver． | 71 |
| Jan． | ${ }^{7}$ |  | 7 | May． | ， | Ilay | 4 |  |  |
| Jan． | $3{ }^{\text {a }}$ | Feb． | 8 | Nov． | \％ | $J u n e$ | 1 |  |  |
| Fitb． | 3 | Alarch | ： | Dec． | 8 | 3 June | 3 | Feh． | 5 |
| Mtarch | 3 | April | 6 | Wec． | 8 | July | 3） | May | 21 |
| April | 24 | April | 5 | bec． | 7 | AUL． | 1 | July | 2 |
| Juty | 3 | 31.4 | $f$ | Aver． | 4） | Solit． | 11 | Aver． | 21 |

The dividends on Bank stock，from the esta－ blishment of the company to 1867 ，have been as follow：－

| Years | Dividend | Vears | Dividend |
| :---: | :---: | :---: | :---: |
| 1697 | ${ }_{3}^{8}$ per cent． | 1784 | ${ }_{\text {a }}{ }^{\text {a mar cent．}}$ |
| 1697 1708 175 | Varied from 9 to | 1507 1885 | 11）$\sim$ |
| 1721）$\}$ | of per cett． | 1819 | \％＂ |
| 1730 | $6{ }^{6}$ | 145\％ | \％ |
| 17311 | 31 ＂ | 18.53 | 8 |
| 1731 | 6 ＂ | 18.6 | $9\}$＂ |
| 1734 | 51.1 | 18.95 | $\cdots$ \％ |
| 1717 | 5 ＂ | 186 | S． |
| 1753 1761 | 41 ＂ | 1861 1845 | 11. |
| 1761 167 | 5＂ | 18413 1866 | 110\％ |
| 1781 | 6 | 1867 | 10 |

Itwok dues not allon' Interest on Depmosits.-The: Bank of Eneghand loes not allow, either at the bead oflice in lomiton or at ber liraselaes, any interest on deponits; ann in doing so she acts wiscly. Notwithatmaling the non-pmyment of interest, she las often bery large minomits of deposits on bur hames, and were she tor pay interest, the prombility is that they would be very greatly increased, mil might, lis prerials of itithiculty, nerionsly compromive her walfety. At present the bank may rither retain ileposits or insest them in those securition from which they may be most anily willolrawn. Thit it she nilowed interest, the ease womld be tiflerent, and she would be whiged to look quite as much or nore to lie probits to be male ly invertments as to the fitcility of rejuseessing herself of finteds. We ber, in corroborntion of what lits wo w hen stated, for draw the rembers attention to the following extrint from the evilume of Mr. Wriguelin, late Govemor of the laak, lefore the Committer of 18077:-
"W'e,' suid he, 'at the lank of linflamel, have alwass considered that the promer functions of a binker were to keep the sparo cash of his eustomer, such eash as his customer rognired lor Ins daily expenditure, for the sthtilen demands of his business, aml may aceidental necumulation which might hitppen before the enstomer had oceasion to invest it. That is contrasted with the syntem pursued by the joint-stock banks. The joint-stoch bank invites a largr deposit by ofloring a erertan rate of interest for the deprest; in point of tist, the joint-stock bank becomes the investor of the money instead of the enstumer. The customer of a joint-stock bank loes not himself invest his own money, lut he employs the joint stork bank to do it, taking the gnaramee of the joint-stock bank, and taking, pussibly, a lower rate of interest. Now that system, if apllion to the Bank of bugland, wouhl be, I think, very projulicial to the pullic interests. It would, in the tirst place, force upon the Lhank of Ematiand to invest its ruserves mueh more closely than it does now. If it had to pay interest njoun its deprosits, it conld only dor so by inverting them in some securities that would jiay a higher rate of interest than that which it juys. Its depmest 4 are also of that partienkar character which would render it still more inexpedient that they shonhl be closely insested. They consist, in the first place, of (iovermment deposits, which rise trom a
 or $6,010,000 \%$. hirger at another periond of a quarter, and aramen collape to a very low rate at athother perion. Sgain, the private deposits consist, to a certain extent, of the deposits of the bankers and the joint-stock banks of lomion, Those deposits are the monouts which those bunkers require to work their own business. Consequently, they are not deposits which should the very closely invested by the Ibank of linglamd. In times when there is a great accumulation of hepusits in the lhank of Dinflame, it is because the piblic are not able at those tines to find investments to their mind to employ those deposits; and, eonsequently, it is not at all likely that to bank of England, il that is the case with the poblic renerally, will he able to tind investments which the publie themselves have not been able to do. All these reasons combined would lead me to think that to force a system upon the lank of Fingland ly which it should the obliged to employ its deposits very closely-much more closely than it does at present-wouhd be not only prejuiticial and unsafe as regards the Jank of

Eagland, but womlal be prejudicial to the publie interest.' (Q. 15! $)$

The trath is, that the whale sulpect of deposits is besel wifl didienlties, The extunt to whill it has n'un already carried has deeply endandured the stabilic of thu lamhiug system, and wo have seen that is is imdi-pensable it shouht be suljected to regination.

Previonsly to 1780 the Ihank received 111 alPowane for trouble in paying the dividends, superintenting the transfer of the stock \&e. of the mationul delit of $5 t 2 l$. 10s. a million ul its amonnt. In 1786 this allownere was renherel to lithl. a million, the lank laing, fit the sinne time, antited to a comsiderable allownoed for her tronble ill reeviving rontribntions on hans, let tories de. This, thongh long regarded as a very improvident arramement on the part of the public, way ncquiesced in till 1808 , when the allowanco on account of manarement was reduced to 3.30\%. per million the $6010,000,0001$. of the public doln, and to $300 /$, per million on all that it exereded that sum, exelasive of some separate allowances for anmities de. The impreswh, lowever, was still enteranad that the allowanees for mangement shoulal be further redned, and this has lreen rffected in the interim.
lixelusive of her linnctions as public bunker. and mantiger of the pulblic delit. the that of Enghan! is comnectel with tiovernmant thromert the cirenlation. We have surn that she is rittitled to issuc puwards of $1 / 1,0(1) .0101 /$, upon seeurities, that is, on the credit of the funds she hats lent to Government. liat for these she receives abont 3 per cent. interest, mat such leing the case, the publie is cloarly entitled to a portion. if not to the whole amount, of the protits rabisad by the lhank on the issue of these $14,000,000 /$. It is dillicult to say how much this roay amount to. 'The issue department of tho hank whlidom reissues nutes, bu for the most part destroys them as soon as thry are retmed to it. This practice is said to be necessary to enahle the bink to ubviate framb, by keping a proper acomut of the mombers of the notes athat. An opinion is, however, pretty gencrally entertamed that this might be elleeted by a less expensive promess than that which is now resoried to. Amb, vertainly, it seems to be a very wastelinl prowembing, that a quantity of newly mamblacturad motes issued by the bank in the forenoon, atml returned to her ill the aftermoon, should not be reimsul, bat ronsionned to the flames. The scot di baks are justly censmrable for keeping their motes too lomf ithoit, but this is rmming with a vengrance into the ofposite extreme.
lhut, as it is, the cost of maintaining the issue of $1,1,104,000 \%$ is estimated hy tho Hank at about 113,0 ynd a yenr; and taking the gross protits of the issue at $3^{3}$ per rent., or $\ddagger \mathbf{2} 0,0001$, the mett protits may be estinated at $307,000 /$ a year: and of this sum the Bank paysto (iovermment $180,0(0) 1$, viz. $60,000 \%$. in lien of the oll charge for stamp, luty, aholished in $18.1 /$ and a further sum of $1 \geqslant 0,000 /$, leaving the bank $1: 27,0001$. for her share of the protits. And so dong as the coss of the issues remains at about its present amonnt, we du not know that there is much to olject. to in this arragement. I'rohably, however, were the allowance to Government further increased by some $50,000 /$ or $60,000 /$., the Bank might timi means, without injury to the public, of reisouing her notes, or of otherwise redacing the cost of their circulation. During the year endel Marchisi, 1saf, the payments made to the bank for managing the national debt and annuities amounted to 95,8701.

Formerly the Wit: so mind e ditions, that the ordinary people r to keep their m lut in this resp ffected. Cheque Was formerly lu innount, freat or ahul, we mar andu,
The Bank opens are called, "dras custody, and the ri naly with mercha persons who choo binker's and to , Hank also tikes e of exchange, exche and cloes all that is If bills of exchang bills, or the receip
free of any charge free of any charge
security boxes, may y customers, fior sil the averuse bal compensate for
eping it, and in

It shonld be ohserved that the responsibility and expernse ineurred ty the bank, in managinig the publie deht, are very great. The temptation of the commisaion of frame, in transfirrims stock from one individual to amother, and in the payment of the dividems, is well known ; mut notwithstambing the skilfully devised system of rhucks mopted by tho thank for its prevention, the has trequently sustained very grent losses by forgery and otherwise. In saia the hank lont, thrmgh a frame eommitted by one of her principall canhiers, Mr. Aslett, no less than 310,0001; ; and the forgeries of Fauntleroy, the banker, cost hure a still larger sum! At an average of the ten years ending with 1831, the lank lost, through forgerics on the public funds, 40,2041. a-gear. (Report on Bank (harter, App. p. 165.)

Besides the transactions alluded to, the Bank entered, on March 20, 1823, into an enfagement with (iovernment with respect to the pmblic pensions and ammities, or, as they have been more commonly termed, the dead weight. At the end of the war, the naval and military pensions, superannuated allowances de, amonnted to above $5,000,0001$ a-year. They would, of course, have been gradually lessenen, and ultimately extinguished, by the death of the parties. But it was resolved in $182: 2$ to attempt to spreal the burilen equally over tite whole period of forty-five years, during which it was calculated the annuities would continne to decrease. 'Io ellect this purposc. it was supposed that, upon Government offering to pay $9,800,000 \%$ a-year for forty-five vears, eapitalists would be bound who woukd umblake to pay the entire anmities, necorling to a graluated scale previonsly determined unon, making the tirst yetr a payment of $4,900,0000$, and gradually decreasing the payments motil the forty-fitth amil last year, when they were to amount to only $300,000 \mathrm{l}$. This supposition was not. however, realised. No capitalists were foum willing to enter into such distant engagenents. But in $182:$ : the lank agreed, on condition of receiving an ammity of $585,7.10$. for forty-four years, commencias on April 5, 1820, to pay, on atconnt of the pensions $\mathcal{E} \mathrm{e}$, at difterent specified perionds, hetwen the yoars 1823 and 1828 ,
 c. $2: 2$.

Formerly the business transacted at the Bamk wal so mich encumbered with forms and conditions, that the generality of merehants and ordinary people rarely thonght of employing her to kecp their money ur make their pivments. hut in this respect an entire change has been effected. Cheques, the minimum amonnt of which wats formerly 10 ., may now be drawn of any amount, great or small; and all sorts of banking business is conducted with facility and despateh, amb, we maty add, will perfect sechrity.

The Bank opens banking aceomes, or, as they are called, 'drawing accounts,' for the safe austoly, and the recejpt and payment of cish, not only with merchants and traders, but with all persons who choose to keep their money at a hatukers and to draw cheques against it. The Bank also takes charge of their enstomers' binls of exehange, exchepuer tills, mut other securities, and does all that is needful either in the colleetion of lills of exehange, the exchange of exchequer Dills, or the recejpt of dividends, and so forth. free of any charge. Plate-chests, and deed and security boxes, may be deposited, tree of expense, by eustomers, for sate custuly. The lank looks to the average balane of cash ou cadt accomst to compensate for the trouble and expense of heeping it, and in this respect the reguirenests
of the Wank are certuinly mot greater than thoses of ordinary batioes. No particular sum is rejuimed Io be lodfed on opening an arcomst; it is only necessary that tho party shomble known ay respectable, and in a condition to requiro a banhatr ateonot. A commissionls now (1868) clargeal if the aceonut be mot considered remunerative. Ihat the bank reecives ant holds sums of money for natio custory for parties who have no current actomoto.
'I'te following are the regulations muder whith aeconits arre eonductel:-1. All letters should be adilressed to the chief cashier.
$\because$ It is desirable that drafts should bo drawn 11, 41 cheques furnished by the Bank.
3. Chuptues noon City lankers, eastwarel of Kinf Street, 1 hrapside,
l'ail in by 12 odock may bo drawn for after 1.
Ho. 2 obeck , , atter:
4. Chuques paid in after 2 ", and before ab ocloch, and cheques upon all other Lomion bankers paid in lefore 12 ocloch, may be drawn for on the f)llowing murning.
i. Theques paid in atior 3 coclock are sent ont at 9 the following morning, and may be drawn tior us soon as receised.
6. Cheques on conntry bankers baid in before 11 o'dock (on Saturdays 10 o'elock) will be collected through the country clearing, aud go to neconnt 2 days after date of paying im.
7. Diridend warrants are received at the drawing otliee mutil 4 o'clock in the afternoon for all persons having accomets at the Mank.
8. It is requested that notice be given at the drawinf ribice of bills aceepted payable at the hamk, with the date of their maturity.
9. Persons beeping a drawing acconte with the thank (althonerh not haviug a diseonut atcome) may tomber bills for discount through the drawing oflice. Application for diseumts, or for adsances on stock, dic., must be made betore 2 ocelock.
11. Bills of exehage and notes not paid when due will the noted.
11. The Bank will make purdases or sales of l'ritish or forcign securitics mpan an order in writiug addressed to the chief cashier; and divi. dents on stock may be received under jowers of attomey granted to the cashiers of the Ihank.
12. Exchequer bills, bonds, railway debentures de. may be deposited, and the interest, whell paythble, will be receivel and placed to aceomit.
13. Credits pail in to account are received without the Bank book, and are afterwards entered therein wiblout the party claming them.

1. Noles of country binkers, pivall in landm, are sont ont the same day for payment if paid in before 3 velock.
2. The pass-hooks should be left at the drawing offiee, at least onee a month, to be writen at
3. Where pest-bills are required, or a paymont is to be made to any offiee of the Bank hy cherne on the bank of lingland, the cheque must be presented to the otlice on which it is drawn, and exchanged for an order ou the pest-bill otlice, or on the otliee where the payment is to be made.
4. Cavi-boses taken in, contents unknown, for such parties as lieep accounts at the Bank.
5. A person having a drawing account may have a liscomit account; but no person can has: the latter without having also the former. Whelm a discomnt account is opened, the signatures of the parties are entered in a book, and powers of attorney are granted empowering the persms named in them to act for their principals. Biils of exchame having more than 95 days to rum are not eligible for discount.
N.lt.-All changes in the residence of pee mis keeping eash at the Bank are requested to be made I 2


IMAGE EVALUATION TEST TARGET (MT-3)

known at the drawing office; and it is particularly requested not to offer any fratuities to the clerks of the banking oflices, such gratuitics being strictly forbinden.

There are no general hulidays at the Bank exeept ('lıristmas and Good Friday, though May 1 and November 1 are held as such in the transfer oflices.

We subjoin an account of the days for transferring stock, and when the dividends are due at the Bank:-

Iransfer Days,-The transfer days are now Thesplays, Wednesdays, Thursdays, and Fridays. lividends are due at the tollowing tates after an interval of three days, or if a sunday intervenes, of four tays.

At the Bank.


Tiekets for preparing transfer of stock must be given in at each otlice before one o'clock. Private transfers may be made at other times than as above, by paying 2s. 6d. extra for each transfer ; lut no transfer can be made after one oclock on Natudays.

Fransfer at the Bank must be made by laalfpast two o'clock.

## Srpense of Transfer.

Bank Stock, not exceeding 2SI. 9a; above that sum, I29,
mia stock, 11 . 11s. : non transter days, 2s. 6at. esera. Transfe
Consols and other Government Stocks dre exempt from duty.
Powers of attorney for the sale or transfer of stock to be left at the Bank \&c. for examination one day before they can be acted upon: if for receiving dividends, they may be left at any time.
The expense of a power of attorney varies from 1s. to $[1.10 \mathrm{~s}$. If wainted for the same day, halfpast twelve o'clock is the latest time for receiving
orders. The boxes for receiving powers of attorney lor sale close at two.
I'robates of wills, letters of administration, and other proofs of decease, must be left at the Bank \& c. fur registration, from two to three cleaz days, exclusive of holidays.
Stock cannot be added to anv account (whether single or joint) in which the decease of the individual, or one or more of a joint party, has taken place; and the deccase to be proved as suon as practicalle. Powers of attorney, in ease of the deatl of the party or partics granting them, become roid.

The unaltered possession of 5000 , or upwards bank stock, for six montlis clear, gives the proprictor a vote.

Sec. VI. -Circulation of tite Banis ce England, and of the Eaglisir Provinctal Banos.

No. I.-An Account of the Arerage Market Price of Bullion in each Year from 1800 to 1821 (taken from Official Documents); of the Average Value per Cent. of the Currency, estimated by the Market Price of Goid for the same Period; and of the Alerage Deprcciation per Cent.

| Vears | $\begin{aligned} & \text { Average } \\ & \text { Prtce of fiold } \\ & \text { per oz. } \end{aligned}$ | Average prep Cent. of the Value uf the Currency | A verage ineprectation per Cent. |
| :---: | :---: | :---: | :---: |
| 1800 | ${ }_{5}^{5}$ \% 17 |  |  |
| $1 \times 01$ | $4{ }_{4}^{4} 50$ | 91184 | 87 |
| 11802 | 4  <br> 4 8 |  | ${ }^{7}$ \% ${ }^{3} 10$ |
| 1snt | 400 | ${ }^{17} 7610$ | 2  <br> 2 13 <br> 13 2 |
| 1818 | 40 | 97610 | 213 |
| 1806 1907 | $\begin{array}{lll}4 & 1 \\ 4 & 0 \\ 0 & 0\end{array}$ | 97  <br> 97 610 <br> 10  | [13 |
| ${ }_{1} \times 18$ | 400 |  | 213 |
| $1 \times 119$ | 4 5 <br> 4 0 | 918184 | ${ }^{8} 78$ |
| 1810 | 410 | 86 10  <br> 42 3 6 | 1.3 <br> 7 <br> 16 <br> 106 |
| ${ }_{1 \times 13}^{1812}$ | 4156 | 79 5 3 <br> 79   | 21) 140 |
| 1813 | $\begin{array}{lll}5 & 1 & 0 \\ 5 & 4 & 0\end{array}$ |  | 2218 |
| $1 \times 1.5$ | 4136 | $\times 3.59$ | 2.15 14 <br> 1  |
| 1416 | $4{ }_{4}^{13} 80$ | 83   <br> 97 5 6 | 1614 |
| $1 \times 18$ | 400 | 97610 | $4{ }^{2} 1312$ |
| 1419 1841 |  | 95 <br> 97 <br> 1 <br> $\times 8$ | 4 <br> 4 <br> 12 |
| ${ }^{1}$ | $\therefore 1 \% 109$ | 97 1080 100 | ${ }^{2} 12$. |

No. II.-An Account of the Notes, Post Bills Ş.c. of the Bank of England in Circulation on the 28th of February and 31 st of August in each Year from 1698 to 1792 both ineluded, as near as the same cun be made up.

| Year | Feb. 29 | Alug. 31 | Vear | Feb. 28 | Aug. $3 t$ | Year | Feb. 28 | Aug. 31 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1698 | $\underset{1,2 थ 1,000}{\boldsymbol{E}}$ | 1,211,0¢0 |  |  | 4,117,000 |  | 5,741,000 | 5,888,000 |
| 1699 | $1,221,000$ 711,000 | 1,219,000 | 1731 | 3,998,000 | 4,117,000 f, 250,090 | 1762 1763 | $3,741,000$ $6,010,0019$ | $5,887,000$ 5,3150010 |
| 17 ml | 9.3x,040 | 781,000 | 1738 | 4,252, 1600 | 4,592,010 | $1: 61$ | 3,511,000 | 6,213,010 |
| 1701 | 299,100 | 761,0\%\% | 1733 | 4,385,100 | 4,543,000 | 1765 | 6,317,(110 | $5,3 \times 6$, 000 |
| 1702 | 921,009 | 1,031,400 | 1734 | 4,203, 000 | 4,6772, $1 \mathrm{~m} \%$ | 1766 | 5,618,00\% | 5, 246 |
| 1703 | 953,060 | 1,211,000 | 1735 | 4,628,000 | 4,739,000 | 1767 | 5,511,100 |  |
| 1701 | 962 , ind | 9.16,0019 | 1736 | ¢,906,000 | $3,07 \times 1000$ | 1768 | 6,770,00) |  |
| 17165 | 656,006 | 1,013,009 | 1737 1738 | 5,215,000 | 4,415,000 | 1769 | 5,707,0010 | $5,111,009$ |
| 1706 | 997 , 106 | 805,000 | 1738 | 4, 766,100 | 4,3,109,060 | 1770 | 6,237,000 | 5,73i,0(10) |
| 1707 | 960,060 | $825,000)$ | 1739 | 4,317,1010 | 4,152,(00) | 1771 | 6,\$23, $0+10$ | ¢, 01.10 , 101 |
| 1708 | 619,010 | 699,000 | 1710 | 4, 151,010 | 4,4.11,000 | 1772 | 8,964,000 | S.988,0011 |
| 1709 | 707,060 | 691,000 | 1741 | $4.812,000$ | 4,081,001 | 1773 | $6^{6.1 .137,010}$ | 6,36k, il(t) |
| 1711 | 602,000 478,010 | 441,000 | 1784 | 4,472, (N0 | $4,911,7109$ | 1774 | 7,551,(100 | $9,884,0 \times 1$ |
| 1711 | 478,010 | 573,(104) | 1743 | 4, 81525,000 | 4,2.31), 1710 | 1775 | 9,13ti,000 | 8 8, its, 010 |
| 1712 173 | \% $\begin{aligned} & 739,016 \\ & 1,224,0019\end{aligned}$ |  | 174 | 4,254,000 | 4,271,000 | 1776 | $8,704,1016$ | - 5 ) $0^{\text {a }}$ (10) |
| 1714 | 1,621,000 | 1,1552,010 | 1746 | 3, 3880000 | 3, 1tis, 1400 | 1777 | $8,712,01201$ $7,140,000$ | $7.751,010$ |
| 171.5 | 97\% ¢, 00 | 1973,000 | 1717 | $4.107,100$ | 3,6.2, 3100 | 1778 1779 | 7,140,000 | 6,38,1001 |
| 1716 | 1,161, 006 | 1,511,0100 | 1748 | 3,895, 11619 | 3, 996000 | 1780 | \%,411,100 | \%, 6,3720000 |
| 1717 | 2,053,140 | 2,185,001) | 1749 | 3,237,160 | 1, $1 \times 3,0 \%$ | 1781 | 7,092,0011 | (,309, 3 (1) 10 |
| 1718 | 8,782,(000 | 1,807,0100 | 1750 | 3,963,010 | 4,315.010 | 1782 | 8,1029,000 | 4, $4,5099,0819$ |
| 1719 |  | 1,911,060 | 1761 | $4,024,1016$ | $5,195,1100$ | 178. | 7,675,000 | 6,3117,001 |
| 1320 | 2,67,1000 | \$,032, 0100 | 1752 | 4,41,5,101 | 4,750,0\%0 | 1781 | 7,623,100 | 0,317,000 |
| 1721 | 8,214,000 | 2,210,000 | 1753 | 4,408,010 | $4,420,0$ (1) | 178.5 | 6,943,000 | 6,51, |
| $17 \% 2$ | 2,366,000 | 3,1616,0100 | 1751 | 4,0133, 100 | 4,0x1,010 | 1786 |  | $\bigcirc 181,004$ |
| 1783 | $3,516,100$ $3,233,000$ | 3,182, 3100 | 1755 | 3,951, $110 \times 1$ | $4,115,010$ | $17 \times 7$ | 8,3,30,1006 |  |
| 1721 | 3,233,000 | 3,4.5, 51000 | 1756 | 4,1117,0011 | 4,516,400 | 1788 | 9.561 , 000 | 10, 1003,1040 |
| 1785 | 3,731,1000 | $3,313,100$ $3,152,000$ | 1757 | 5,319,1061 | 5,150,1000 | 1789 | 9,807,049 | 11,122009 |
| 1726 1727 | $3,077,1000$ $\mathbf{3 , 4 8 8 , 0 0 0}$ | $3,152,000$ $4,678,000$ | 1758 1750 | $\mathbf{3}, 321,010$ $4,587,1006$ | 4, 464 , 1710 | 1790 | 10,041,1090 | $11,433,060$ |
| 1787 1748 | $3,488,000$ $4,575,000$ | $4,678,0100$ $4,514,000$ | 1759 1760 | $4,587,1003$ $4,969,014$ | $4,810,010$ 4,93601100 | 1791 1792 | 31,43, ${ }^{11}$, 30010 | 11,672,000 |
| 1780 | 4,153,000 | 4,400,000 | 1761 | 3,039,6\%0 |  | 1792 | 11,307,000 | 11,1146,000 |

No, III.

No. IV.- 4 Demand, in Scut. ${ }^{12}$

March 27
Junu 19
Junt 19
irec. 11
Slarch 25
June 17

| Nunt |
| :--- |
| Sijut |

Dec. 8
March 2
Stine 16
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Shme 16
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ince

March 23
June 15
tept. 7
Dec. 2 s
Matach 22
Jurie is
sept. 6
Dec. 27
March 2:
dime 14
Dec. 25
March 19
June 11
Sune 11
bec. $2 ;$

No. III,-Account of the Circulation, Deposits, Securities, Bullion, and Surplus (exelusire of Capital) of the Assets over the Litabitities of the Bank of Englandron the 31st Angust (or as near thereto as the Accoants can be mate up) in each of the follouing Years.

| Tates | Circulation | Deposits | Sceurities | Bullion | Rust or Surples of Avets over las. bilities | Dates | Circil. lation | Deposits | Securitios | Itullion | 16et or surplus of Axarts nver laiablities |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1793 | 10,865, ${ }^{\boldsymbol{E}}$ | 6, $\mathbf{3} 1 \mathbf{5}, 000$ | 11,511, ${ }^{\text {E }}$ |  | 2,821,000 | 1821 | 20,2415,000 |  | 15, 6 , 6,0014 | $11,2.31,000$ | 5,595, 0 mb |
| 1791 | :0,247, 10, | 5,934i, 1100 | 12, 1110010 | 6, $770111(1)$ | 2, 1094, (1m) | 182 | 17, 165, M1/ | (6, 3 P9, 1060 | 17,299, 100 | 10,093, 110 | $\begin{aligned} & 59 \\ & 3,21,01010 \end{aligned}$ |
| 1993 | $10, \times 62,000$ | 8,15,5,109 | 16,934, 0100 | $5,136,000$ | 3,4199,010 | $15 \times 3$ | $19.231,100$ | $7{ }^{8}+27,1000$ | 17, 14, 0 , 61 | 12,G5, 1110 |  |
| 1796 | , $3,217,10 \mathrm{l}$ it | 6, $, 6,56,41$ H) | 17,125,000 | *,12,3,100 | 3,215000 | 142! | 20,132, 1000 | 9,681, 1101 | 26,90\%, 11111 | 11,787,0以1 |  |
| 1397 | 11,111,000 | 7, 746,1000 | 18,265, 0 (1) | 4,030,0ith | 3,411,000 | 182.7 | 19,39?, 210 $^{10}$ | 6, 110,100 | 2,5,146,0131 | 3, $6.35,1041$ | 2,4 |
| 1794 | 12,181, $1 \times \mu$ | 8, 3131, 1110 | 17,3511, 000 | 15, 214,000 | 3,1114640 | 14ts | 21,5f1,000 | 7,200, ()A | 2.5,148,1410 |  | 2,171, $1 \times 1 /$ |
| 1709 | 13,389,0100 | $7,612,046$ |  | Fip1, 0101 | $2 \times 99,900$ | 1587 | 22, 714,004 | 8,032,11010 | $2.5,199,1600$ |  | $2,883,3,100$ |
| 18180 | 1,2,017,040 | 8, 3.5.5, 110 | 22, $175,0 \mathrm{nk}$ | 6, 150,1100 | 3,907,600 | 1828 |  | 10,201,000 | $23,904,0016$ | 10, 199,019 | 2, 816, ind |
| 1801 | $11.558,1490$ | 8.131,100 | $24,2111,041$ | 4,33*, 0 (1) | 3, 41, 1,000 | 1869 | 19, ${ }^{5} 17,0190$ | 9, 12.55180 | 2b, 6 (2\%, 160 | 6,7!16,1109 | 2, 57,5,001 |
| 1802 | 17,00x,019 | 9,739, $140 \%$ | 2 $7,115,001$ | 3, 8942000 | 4,16! ${ }^{19} 10$ | 15.3) | 21, $16.5,5109$ | 11,fi21,100 |  |  | $2,131,0101$ |
| 1803 | 10,94, ${ }^{1000}$ | 9,817,1100 | z6,919,01k | 3,543,010 | 4,711,000 | 18.31 |  |  | 2. $3,905,000$ | 6, $\mathbf{1} 10,1 \mathrm{mH}$ | 2,737, 103 |
| 1804 | 17,161,040 | 9,716,400 | 25,827, 1 (1) 10 | 5,879,010 | 4,836,2010 | 183.2 | 18,320,901 | 10, $25 \times 500$ | 25, 124, 0100 | 7,514,11(4) | 2,336,414 |
| 1405 |  | 11,118,000 | 27,773,1000 | 7,f4', 0 (10) | 4,961,1090 | 18.33 | 1 $14,3 \times 5,108)$ | 11,947,009 | $25,25,0416$ | 10,871,409 | 2,26i, $2 \times 10$ |
| 1806 | 21,027,100 | 9,636,0410 | 29,473,001) | 6,215, 014 | $5,021,000$ | 1831 | 14,192,1013 | $13,360,14 \%$ | $27,73<, 190$ | 7,503,0101 | 2,50,001 |
| 18117 | 19,674,000 | $11,-49,1+314$ | 29,937, 0100 | (i, 181, ${ }^{\text {(1) }}$ (1) | 4, 5 51,010 0 | 18.35 | 14, 1185.160 | 13,24.5,(\%) | 2x, $1 ; 3,10101$ | 6, $2,5.5,5,14 k)$ | 2,518, (t) |
| 1808 | 17,111,00\% | 13,01.3,000 | 49,211,1010 |  | 5,135,010 | 18.36 | 18,018, (1) ${ }^{\text {a }}$ | 12,080,0010 | 27, $2,92,1006$ | 6, $2.50,1400$ | $2,5 \leq 9,5011$ |
| 1809 | 19,571,06, | 12,257,000 | 33,135,000 | 3,654,100 | 3, 2556,010 | 18.37 | 18,587,006 | ( $1,0040,000$ | 25,357, (14) |  | 2,975, $(\mu) 1$ |
| 1810 | 21,791,400 | 13,1518,1140 | 1:1,971,009 | 3,192, 1910 | 5,753,010 | 18.38 | 19,148,00m | $\mathbf{8 , 9 2 4}$ | 21,611,1)(1) | 9,510,1\%(4) | $2,711,1$ ¢10 |
| 1511 | 23,287,000 | 11,056,000 | 37,083, 1810 | 3,213,000 | 5,961,000 | 18.39 | 17,982,(60) | ( $, 1888,1161$ | 2. $2,111,164$ | 2,121,0100 | 3, $091,010 \mathrm{H}$ |
| 1812 | 23,027, 200 | 11,819,000 | 3x,174,100 | 3,0939,000 | 6, 61010000 | 1810 | 17,170,0)10 | 6, 251,004 | $22,075,1 \mathrm{Hm}$ | 1,299, 110 | 2, 25, 0,0109 |
| 1813 | 24, $22 \times, 009$ | 11,160,000 | 10,10ti, 000 | 2.712,1000 | 6,431, 110 | $1{ }^{181}$ | 17,370,04日 | 6,975,0, ${ }^{\text {a }}$ | 22, 6 (1)2, 11010 | 4, 822,0116 | 3,079,10 |
| 181: |  | 1.1, $\mathrm{S}^{\prime}(1),(4) 0$ | $48,316 i, 010$ | 2,138, 2009 | 7,225, 110 | 1815 | 20,332,000 | $8,690,460$ | 22,159, 1043 | $9 \%$ 20,000 |  |
| 1816 | 27,219,010 | 12,696,000 | 11,851,000 | 3,104 40 | 8,319,000 | 1813 | 19,310,000 | 11,307,1419 | $21,(1324,160)$ | 12,240,000 | $3,280,10101$ |
| 1815 | 26:, 59,009 | 11, $856,10(1)$ | 37,286,000 | $7,3653,0 \mathrm{~mm}$ | 6,227,1169 | 1845 | 21,485,1100 | 12,138,017 | 21, 572, 16) | $1.5,315,100$ | 3,56 1,000, |
| 1817 | 2 $2,511,00{ }^{2}$ | 9,0×5, ${ }^{(1)(0)}$ | 32, 6106,1009 | 11,664,400 | 5,(i16,044 | 1895 | Y2,109,000 | 14, 1182,000 | $21,5177,009$ | 15,5192,4011 | 3,5841, 1710 |
| 1818 1819 |  | $7,928,000$ 6,304000 | $32,371,000$ $31,711,000$ | $6,363,1000$ $5,545,010$ | 4, $, 01,100$ $3,7 \% 9104$ | 1817 | $21,380,000$ $18,428,000$ | 16,322, (14 18 | $2.5,161,001$ $25,007,011$ | $16,3 \mathrm{Na}, 10 \mathrm{l}$ $9,161,100$ | $\begin{aligned} & 3,410,11110 \\ & \mathbf{3}, 926,040 \end{aligned}$ |
| 142\% | $21,290,014$ |  | 25,814,001 | 8,211,100 | 3,337,1010 |  |  |  | 2s,0. |  |  |

No. 1V.-Account of the Average Aggregate Amount of l'romissory Notes Payable to Bearer on Demand, in cirenlation in E'ngland and Wales, Seotlanel and Ireland, at the undermentioned Periods.






[^10]


Sice: VIl.-lbanke (heotron).














 'The Are exempted the capital of the banh trom a very varly perion to reccive deposits on intoreat,


 and its morle of mamgement, were intembed to be, therefors, dititled to the crealitof having int roduced
 of the lank of linglimh. The responsibility of the Scotel banking syentem, which, whatever may be


 I'arliamont, the last of which ( 44 (ieo. III. c. 23) dacted; and there enn be no don't that it has been
productive，both directly and as an examble to other banking establishiments，of mach publie utility and advantage．

It may be worth mentioning，that the $\lambda$ det of Wm．III．，establishing the bank of seothand，de－ elared that all fureigners who became parthers in the bank should，by doing so，beeome to all intents and purposes naturalised Scotchmen．After being for a long time forgotten，this clanse was taken advantare of in 1818 ，when several rliens açuired property in the bank in order to secure the benefit of maturalisation．Lut，after being sus－ pended，the privilege was finally eanerlled in $1 \times:=2$ ．

We subjoin an official abstratet of the eonstitu－ tion and objects of the lank of seotland，printed for the use of the proprictors．＇The terms and mode of transactinir business are，of course，some－ times altered，atecording to cireumstances．
I．The Bank of Scothand is a pulbic uational establishment，erected and regulated by the legris－ lature alone：and expressly as a publie bank in this lingilom；for the benefit of the nation，and for the advancement of agriculture，commerce，and manufactures；and for other objects of public folicy．（Wm．III．Parl．1，s．5；1．1 Geo．11I．c．：＇2； 2.4 （ico．III．c． $8 ; 32$（iew．III．c．25；34 Geo．11］． e． 19 ；4t（ico．Ill，c．ed．）

II．The stathtory capital is at prosent $1,000,0001$ ． sterling．It is raised by voluntary subseription； and lats been subscribed for． $1,000,0001$ ．has been called for，and paid in．（4．1 Geo．III．c．23．）

III．Subscribers，$\therefore$ not under obligations to the bank，maw，at pleasure，transfer their right．If moder obligation to the bank，the obligation must be previously liquidated；or the proceeds of the sale，at a price to the satisfaction of the di－ rectors，minst be applied towards sush liquidation． Transfers are made by a short assi rmment and aceoptance thereof，both in a register appointed for that purpose．The expense，beside the Govern－ ment stamp，is 11 s ．（V＇m．JlI．I＇arl，1，s．万．）

IV．Bank of Scotland stock may be acquired， in any portions，by any person，community，or other lawful party whatsocver；without sulection， exclusion，or limitation of numbers．（Wm．IlI，


V．Bank of Seotland stock may be conveyed by will，and if specially mentioned，without expense of contirmation．It eambot be arrested：the holder＇s right may be adjudged．Nividends may be arrested．（Win．HI．Purl．1，s．万．）

Vl．The Bank of Seotland is a public corporation by det of Parliament．The bank＇s transaetions are distinct from those of the stockhohlers：and theirs firm those of the liank．（V＇m．III．l＇arl．1，s．5．）

VII．The establishment is expressly deharred from any other business than that of banking． （Wm．III．l＇arl．1，s．シ̈．）
VIII．The management is vested，by statute，in a governor，deputy governor，twelve ordinary，and twelve extraordinary，directors．＇lhey are chosen annually，on the last Tuesday of Mareh，by the stockholders havin；2500，of stock or upwards． Those above 250l．have a vote for every 2501 ，to $5,000 l$ ．，or 20 votes．No person can have more than 20 votes．The governor must holl，at least， 2，000l．of stock；the leputy governor 1，500l．；and each director 7501．They swear to be equal to all persons；and cannot hold a $y$ infertor calice in the bank．（Wm．III，l＇arl．1，s． 5 ；I4 Geo．III．c． 32 ； 44 Geo．III．c．23．）
LX．The executive part is condacted by a treasurer，secretary and other public ollicers，all sworn．Those having the oflicial charge of cash find due security．（IVm．III．Parl，I，s．5．）
X．The board of directors sits for the general administration of the bank，at the bank＇s public
head ofice in Edinburgh．The Incal business of that district is also conducted at that onlice．loor the local business in the other parts of the king－ dom，the bank has its regular public onliees in the principal towns．At each of these oflices there is the lank afont or cashier，who gives due seerurity， and conduets the banks business for that divtrict in the manner after mentioned．（Wh．Ill．I＇arl． 1, s． $\mathrm{B}_{0}$ ）

Xl．The bank takes in money at all its public offices，on deposit receipts or on current deposit atcounts．At the head－othice drafts on the branclies， and at the bramehes drafts on the other bramehes and on the hoad－otlice are granted．Bothat the head－uthee and branches drafts are granted on the London，Dulilin，and Einglish and lrish provinctal correspondents of the bank．All receipts and drafts are on the bank＇s engraved forms，and hear to be granted＇for the lank of Scotland，＇or＇for the Governor and Company of the Jank of Sicot－ land．＇At the head－ollice oflicial documents are signed by the treasurer．and at the branches by the agents，and all are countersigned．

Remittances can be made to the prineipal co－ lonial and continental towns；and bills，payable in the colonies and in foreign conntries，can be negotiated through the bank．（Resolution of （ourt，1793，as since modificel．）

N．lb．－The bank has always allowed interest on deposits，at a rate varying accorling tocireum－ stances．

XII．Bills on London，Dilinburgh，or any town in the United Kingelom，are discounted at all the hank：s public othes．The bank＇s agents julge，in ordinary cases，of the bills presented；so that parties mect with no delay．The bink does not re－issie the bills which it has discounted．（Resolution of Court， Feb，2：3，1789，aud subsequent Moslitications．）

XIII，Govermment stock and other publie funds may he purchased or sold，and dividends thereun may be received，through the bank．

XIV．The lank gives credit on cash aceounts at any of its ntiees，on bond，with security．The security may be personal co－obligants，or such other seeurity as may be specially arreed on．Ap－ plications lor cashaccounts are given in to the oflice where the cash account is wanted，and must specify the credit desired，and the security proposed；and the individual partuers，where co－partueries are proposed．Casll accounts are granted by the ri－ rectors only；and are not recalled unless by their special anthority．It is understood that these cre－ dits are not used as dead loans，to produce interest only．In the fair course of business，the advantage of the bank is consulted by an active circulation of its notes，and by frequent repayments to it in a way least aflecting that circulation．（Resolution of Court，Nov．（i，1729，and Feb，23，1789．）
XV．The bank＇s dividend has been for some time 8 per cent．per annum on its paid－up capital of $1,000,000)$ ．starling．The dividends are paid regularly twice a year，without expense．they may be drawn either at the bank＇s head－blliee，or at iny of its other oflices，as most agreeable to the stock－holder．
The above may sutlice as a general ontline of the mode in which the business of banking is conducted in Scotland．
The Royal Bank of Scotland was established in $17-2$ ．Its origrinal capital of 151,000 ．has been increased to $2,000,0 \mathrm{CO}$ ，
The British Linen Company was incorporated in 17.76 ，for the purpose，as its name inplies，of undertaking the manufacture of linen．liut the views in which it orip，inated were speedily aban－ doned；and it becatis a banking company only． Its capital amoouts to $1,000,0001$ ．

Nineo in Scotla responsib extent of
Some of $t$
Jank，the \＆e．have nff is ar directors，
The lia to issae $1 /$ has since －In scotla Report of mons of 1 s and Irelan to the bea

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| 1693 |
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A witness ferent bank． Commons＇ than half the had been con Being asked that makes t ing answer； of conducting in Scotlind 1 part of the b ment of savin

Q．Wha
makes the sn Ans．Ther in towns lik Perth and fishermen，ant save small $s$ come to be facility for the Banks，whicl amounts to 10 to the minimt of banking i l＇rovident Iba those deposit salvinge of the incrued upon year or year， goes on，with ating（at eom） able either to to be I00／，or commence bus he has hithert he depositors and a great firmers and m beginnings．

Cash Accour the Seoteh ba comnts，or upo commonly ters A cash－credi by a banking

N we of the other banking companics establislied in Scotland are chartered associations with limited responsibility, the parties being liable, to the whole extent of their fortmes, for the debts of the limens. Some of them, such as the k.dinburgh und fiasgow Bank, the National Bank, the Commereial Bask sec. have very numerous bolles of partucrs. Their aff ' is are uniformly condtucted by a board of directors, ammally chosen liy the shareholdes.

The bank of Scothad began, as already stated, to issue 11. notes so early as 1701 ; and thieir issite has since been continued withont interrmptinn. 'In Scotland,' to use the statement piven in the Report of the Committec of the llouse of Commons of 182 zt , on the l'romissory Notes of Scotland and Jreland, ' the issue of promissory notes payable to the bearer on demand, for a sum of not less than

| Jnsti- | Name | lartners | 11 r. | Pridel up capital | Vividend |  | Share paid | l'rice |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | IL.te | I'ayable |  |  |
| 1695 | Mank of Scotland * | 960 | 66 | $\xrightarrow{\text { 1,004,000 }}$ | 12it | April \& Oct. | $\underset{\text { l1, }}{\substack{\text { ¢ }}}$ |  |
| 1727 | Hoyal llank * - | -17 | x, 3 |  | ${ }^{\times}$ | Jan. * July | lum | 15710 |
| 1746 | Dritlsh Linen Company * | 870 | 62 | 1,0140, 116 | 11 | June \& Jue. | 11 Hj | 415100 |
| 1810 | Commercial lank* | 897 | 81 | 1, ¢futiontu | 1282 | Jan. \& July | ( CH ) | 2160 |
| 1825 | National lank of Scotland* | ! 1511 | 71 | 1,1010, 1069 | 10.58 | Jan. \& July | 10\% | 2350 |
| 18.30 | Union Bank of Scotlaut * | 1,011 | ${ }^{1613}$ | 1, $1,0 \% 0,0^{\text {P }} 16$ | 10 | Jume \& lec. | 1017 | 118800 |
| 182.5 | Aberdeen Town ant 'oount thisk | \%15 | 54 36 | 152,469 | 10 | Mar.s sep. | 7 | 13 17 6 |
| 1836 18.3 | North of Scotland loanking Countany Clydestate lanking Congany | 1,241 | 86 |  | 111 | May N Nov. | 1036 | $191 \begin{array}{ccc}7 & 16 \\ 19 & 0 \\ \end{array}$ |
| 1839 | City of Glasgow lank ${ }^{\text {a }}$ | 1,0n16 | 99 | Sill, 140 | 8 | Felb. \& Aug. | 103 | 11.315 |
| $1 \times 38$ | Caledonjan Cunking tompany | 72\% | 17 | 125, 1414 | 111 | Augut | 212 | ${ }_{5} 16$ |
| 1831 | Central ljank of scotland | 118 | 9 | (111,4111) | 123 | St permber | $41^{1}$ | 11100 |

- The capital of the bank, ma

A witness, comected for many years with different banks in seotland, being examined by the Commons' Committee of 1826, stated that more than half the deposits in the banks with which he lad been connected were in sums from 101. to 200/. Jeing asked what class of the community it is that makes the small deposits, he gave the following answer; from which it appears that the note of conducting this branch of the banking business in Scotland has long given to that country most part of the benefits derivable from the establishment of savings banks.
Q. What chass of the community is it that makes the smallest deposits?

Ans. Thev are generally the labouring classes in towns like glasgow: in country places like l'erth and Aberdeen, it is from servants and fishermen, and that class of the commmity who save small soms from their carnings, till they come to be a bank deposit. There is now a facility for their placing money in the I'rovident lanks, which reecive money till the deposit amounts to 101 . When it comes to $10 \%$. it is equal to the minimum of a bank deposit. The system of banking in Scotland is an extension of the Provident lank system, Ialf-yearly or yearly those depositors come to the bank, and add the savings of their labour, with the interest that has acerned upon the deposits from the previous halfyear or year, to the principal ; and in this way it goes on, without being at all reduced, aceumulating (at comproma interest) till the depositor is able either to buy or builil a homse, when it eomes to be 100 l , or 200 l . or 300 l , or till he is alle to commence business as a master in the line in which he has hitherto been a servant. A great part ol the depositors of the bank are of that description, and a great part of the most thriving of our farmers und manulacturers have arisen from such begimings.'

Cash Accounts.-The loans or advances mule by the Scoteh banks are either in the shape of discomnts, or upon cash-eredits, or, as they are more commonly termed, ctash acconnts.

A cash-credit is a credit given to an individual by a banking company for a limited sum, seldom

20s., las heen at all times permitted by law; nor has any Aet been passed limiting the period for which such issue shall eontinue legal in that eometry.'
Deposits.-All the Scotels banks receive deposits of solow a value as $10 \%$., and sometimes lower, an. $]$ allow interast upon them.

Ihte interest allowed by the banks apon deposits varies from time to time, aceoriling to the variations in the current rate of interest. And it has been estimated, by the best authorities, that the agreregate amount of the sums deposited with the Seotel lanks is little, if anything, under $50,000,000 /$.

We borrow from Oliver and Boyd's excellent A)manae for 1868 the following table, exhibitine the capital and other particulars of the Banks of Issue in Scothand, with the price of their shares, as pulblicly quoted in the third week of December 1xio:
but in atock rambifarable to any annount.

+ thividend and for.us.
under 1001. or 200\%., upon his own security, and that of two or three molividuals aproved by the bank, who become sureties for its payment. The individual who has obtained such a credit is enabled to draw the whole sum, or any part of it, when he pleases, replacing it, or portions of it, aecording ats he fins it comvenient; interest being charged ujon su 1 . part only as lie draws out. - If a man borrows 5,000 , from a private hand, besides that it is not always fo be foumd when required, he pays interest for it whether he be using it or not. His bank credit costs lim nothing, except duri.ng the moment it is of service to him, and this circmastance is of equal advantage as il he had borrowed money at a mueh lower rate of interest.' (1lume's E'ssay on the Bulanee of Trade.) 'This, then, is plainly one of the most commodious forms in whiel advances can be made. Cash-credits are not, however, intended to be a reat loun, though they not minfequently become such; a main olject of the banks in granting them is to get their notes circulated, and they do not grant them except to persons in business, or to those wha are frequently drawing out and paying in moner.
'Ihe system of cash-credits has been very well described in the lieport of the Lords' Committee of 1826 on Scotch and Irish Banking. 'There is also,' say their lordships, 'one part of their system which is stated by all the withesses (and, in the opinion of the committee, very justly stated) to lave had the best effects upon the people of Scothond, and particularly upon the mindling and poorer chases of society, in producing and eltcouraging habits of frugality and industry. 'The practice referred to is that of eash-credits. Any person who applies to a bauk for a casli-credit is called upon to produce two or more competent sureties, who are jointly bound; and, after a full enquiry into the character of the applicant, the nature of his business, and the sufliciency of his securities, le is nllowed to open a credit, and to Iraw upon the bank, for the whole of its amount, or for such part as his daily transactions may require. 'To the credit of the accomet he pays in 'such sums as he may not have occasion to use,
and interest is charged or credited upon the daily bathuce, as the case may be. From the fieility which these cash-eredits give to all the smatl fransactions of the combtry, and from the opportunities which they athoril to persons who berem businesw with little or no enjital but their eharaeter, to employ protitably the minutest prowlueds of their indentry, it connot be donbed that the most impertant alvantages are derived to the whole commmity. 'The advantare to the banks who give these cash-credits arises from the call which they comtinually produce for the issue of their paper, and from the opportunity which they ablird] for the protitable employment of part of their deposits. The banks are indeed so seusible that, in urder to make this part of the bisiness advantageons and secure, it is neessary that their eablcredits should (as they express it) be frequently operaterl upon, that ther refise to continue them unless this implied condition be fultilled. The total amount of the cash-crodits is stated ly ome witness to be $5,000,000 \mathrm{l}$., ot which the average qmont advanced by the banks may be one-third,'
'The expense of' a bond for a casli-credit of 500\%. is $12 s$. tid. stamp duty, and a chatge of trom iss. to 10 s . tiel. per cent. for preparing it.

Stability of the scotch Banks,-There have been, motil lately, comparatively lew failutes among the Scoteh baiks. In 1793 and $182^{\circ}$, when so many of the linerlish banks were swept ofl, there was not a single establishment in Seotland that gate way. 'This superior solidity apmenrs to have berell owing to various canses, partly to the banks having, for the most part. large bodies of partners, who, lieing conjointly and individually boum for the debts of the companies to which they belong, go far to render their ultimate security all but unquestionable; and partly to the facility afforded by the law of scotland, of attaching a debtor's property, whether it consist of land or moveables, ami making it arailable for the payment of his debts.

But, on the whole, we are inclined to think that the lons familiarity of the inhabitants with kanks and paper money, and the less risk that has attended the business of hanking in Scotland, have been the principal canses of the greater stability of the Scotch banks. Latterly, however, owing to the rapid growth of Glasgow, Dundee, and other commercial towns, the risk attending banking in Scotland has materially increased. And while lazard has been augmenting on the one hand, there appears, on the other, to luve been a still more rapid decrease of that cantious policy that was supposed to be a characteristic of Scoten hankers. In the crisis of 1857 two of the principal Seotel banks, the head-quarters of which were in Glasgow, were compelled to stop payments. They had very large empitals, the Westera Bank $1,500,0001$, ind the City of GlasLow lamk $1,000,000$ l., with a grent many branches, Jarge amonnts of deposits, and very numeroas and wealtly proprietary bodies. Had their management displayed anything like ordinary skill and prudence, they might have fone triumphantly through a far more serions trial. But the manarement of the Western lank was characterised by the most marvellous folly and recklessness; that of the City of Glasgow Bank, thongh in many respects blameworthy, has been, as conumared with that of the Western Bank, prodent and skilful. It has recommenced business; and it is to be heped that its managers will protit by the lesson they have received. Ilaving advanced immense sums to a few firms that never were entitled to any considerable crodit, the Western Bank was so crippled that, for a leugthened period before its stoppage, the directors were
reduced to the miserable expedient of sending up the bills they had diseounted in Glasgow to be rediseounted in London; and when this resoured tailed them, and the other banks declined to come forward to their assistance, they had nothing for it but to shat their doors. On the stopphere taking pliee the allitirs of the bank were found to be in a much worse state than any one could have muticipaterl. The losses are estimated at above $(1,+100.1900)$. so that, besides the sacribiee of their puid-up capital of $1,500,0001$., the shareholders have had to advance a farther sum of more than that amount to meet the demands nom them. No such gigantie fitilure ever occurred in seotland. The holders of notes and deposit-receipts will he paid in full. But of the 1,200 or 1,300 individuals who heht shares in the bank, a large proportion have been mearly, and many entirely, rumed. It is difticult, indeed, to imarine the distress and misery of whieh this catastrophe hats been productive.

The ruin in which the bank has been involved did not come sudden! y upon it. On the contrary, it was aceumalating for years. And yot the directors took no steps, or none that were ctlicient, to arrest the progress of the evil; nor did they apprise their contiding constituents of the perilous condition into which the bank had got. Concealment was practised to the very last moment, till the concern was irretrievably sunk in the abyss of bankruptey. It is much to be wished that directors who have so acted were rally responsible for their conduct. No charge of corraption is brought against them; but their inattention to, and neglect of, the important interests committed to their charge, has been wholly inexeusable. They were bound, on undertaking the oflice of directors, to bestow unremitting care and diligence upon the performance of the duties which it imposed on them. They might neglect their own busine-s: but they could not, without a flagrimt breach of trust, neglect the duties they had molertaken to discharge on account of others. This, however, is precisely whit they lave tone. They appear to have selecterl the most reckless ant in ompetent managers, and then to have griven them carte blanche. Whatever snch conduct may be in law, it is morally and politically in the highest degree culpable. IIundreds have been sent to the antipodes and the treadmill for offences that were comparatively innocuous. No doubt, the grand source of mismanagement in banks and other associations is to be found in the apathy of the shareholders, in the blind and often undeserved contidence they place in those who are, no matter how, at the licad of their concerns. 11 those who may be rained by the proceedings of their own oflieers and servants will not look after them, it were ille to attempt to throw snch a duty upon others.
In a public point of view, the stoppage of the Glasgow banks was productive of the very worst results. Dy creating a panic, and oecasioning a heavy internal demand for gold, it may indeed he said to lave been the main canse of the suspension of the Aet of 18.I.

Sec. VIII.-Baniming in Irfiand.
Banking in 1relanh.- 'In no country, perhaps,' says Sir lleury larnell, 'has the issuing of papermoney been carried to such an injurions excess as in Irelancl. A national bank was established in 1783 , with similar privileges to those of the Bank of England, in respect to the restriction of more than six partners in a bank; and the injury that Ireland has sustained from the repeated fallure of banks may be mainly attributed to this defective
ment succe
the Bank of
panies were a
of tifty miles
permitted to
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was founded
having omitt
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Account of

The following
regulation. Ilnd the trado of banking been left pany, petitioned Parliament for the repeal of this as free in Ireland as in Scotland, the want of paper-money that would have arisen with the progress of trade would in all probability have been supplied by joint-stock companics, supported with large eapitals, and governed by wise nnil ellectual rules.
' In 1797, when the Bank of Enghand suspended its payments, the same privilege was extemend to lreland: and after this period the issues of the Bank of Ircland were tapidly inereased. In 1797 the amonnt of the notes of the Bank of Ireland in circulation was $6: 21,9171$; in 1801, $2,266,4711$; and in 1814, 2,986,9997.
-These iucreased issucs led to corresponding increased issues by the private hanks, of which the number was tiity in 1804. The consequence of this increase of paper was its great depreciation; the price of hullion and guineas arose to 10 per cent. above the Mint price; and the exclange with London became as high as 18 per cent., the par being 83 . This tuffavourable exchange was nfterwards corrected, not hy any reluction in the issues of the lank of Ireland, but be the depreciation of the liritish curreney in the year 18t0, when the exchange between London and Dublin settled again at about par. [Exchisges.]
'The loss that lreland has sustained by the failure of banks may be described in a few words. It appears by the Report of the Committee on Irish Exchanges in 1804, that there were, at that time, in Ireland tifty registered banks. Since that year a great many more have been established, but the whole have failed, one after the other, involving the conntry from time to time in immense distress, with the following exceptions: First, a fow that withdrew from business; secondly, four banks in Dublin; thirdly, three at Belfast; and, lastly, one at Mallow. 'These eight banks, with the new Provincial Bank and the Bank of Ireland, are the only banks now (1827) existing in Ireland.
'In 1821 , in consequence of eleven banks having failed nearly at the same time, in the preceding year, in the south of Ireland, Government succeeded in making an arrangement with the Bank of Ireland, by which joint-stock companies were allowed to be established at a distance of tifty miles (Irish) from Dublin, and the bank was permitted to iacrease its capital from $2,500,000$. to $3,000,0001$. sterling. The Act $1 \& 2$ Gco. IV.c. 72 was founded on this agreement. But ministers having omitted to repeal in this Act various restrictions on the trade of banking that had been imposed by 33 Geo. II. c. 14, no new company was formed. In 1824 a party of merchants of Belfast, wishing to establish a joint-stock com-

Act of Geo, II, : and an Act was accordingly passed in that session, repealing some of its merst objectionable restrictions. (5 Gco. 1V, c. 73.)

- In consequence of this Act, the Northern Bank of llelfast was converted intu a joint-stuck comprany, with a (nominal) eapital of $500,0001$. , and commenced business on the 1st of Jamary, 18:5. But the restrictions of 33 Geo. 1I., and certain provisions contained in the Aets 1 is 2 Gico. MI, and 5 Geo. IV., obstructed its progress, and they found it necessary to apply to dovernment to remove them; and a bill was aceordingly introduced, which would have repealeal all the obnosions clanses of the 33 treo. If., hall it not been so altered in the committec as to leave several of them in furce. In 18:2, the l'rovincial Bank of Ireland commenced business with a (nominal) capital of $2,000,000 \%$; and the Bank of Ireland hats of late established bramehes in all the principal towns.' (Obscrrutions on P'aper-Woney \&c. by Sir Henry Parnell, p. 171.)
Since Sir IIenry l'arnell published the namphlet from which we have taken the foregoing estract, several joint-stock banking companies have been fommed in Ireland. The Provincial Bank, to which Sir Henry alludes, has a paid-up capital of $5 \cdot 10,0001$, and has been well and protitably manarel. But others have been less fortunate. The A\&ricultural and Commercial Bank of Ireland, established in 18:34, with 2,$1 ; 0$ partners, a pail-11p capital of 352,7902 , and many branches, stopped payment during the pressure in November 18:36, and by doing so involved mayy persons in preat distress. It appears to have becin extremely ill-managed. The anditors appointed to examine into its affairs reportal that 'Its book-ke.ping has been found to be so faulty, that we are convinced no accurate balance-shect comld at any time have been constructel.' And they signiticantly alded, ' the personal accounts at the head office require a diligent and searching revision.'
The 'Tipperary Joint-Stock lhank, which was established in 1839, and stopped payments in 185\%, appears to have been little, if at all, better than a inere swindling engine. Lackily it did not issue notes; and the spliere of its operations was not very extensive. But, so far as its influence went, nothing could be worse, being ruinons alike to the majority of its partners and the public.
The existing Irish joint-stock banks, amounting to eight, have been all established between 18.4 and 1804. We borrow principally from Thom's Irish Almanac, the most valuable publication of its class, the following details with respect to the Irish banks in 1867:-

Account of the Joint-Stock Banks existing in Ircland in 1867; their Branehes, fixed Issues §e.

|  | Initajed | No. of Shares | Per Share | Amaunt | Capital paid up | lleserve | Fixed 1stue: 8 \& 9 Vict., c. 37 | Divilend per cent. 1866 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - Ilank or Ireland - ${ }^{\text {a }}$ (liernian Joint Stock Bank | 1783 1824 |  | ¢ <br> 110 <br> 100 <br> 100 |  | $\boldsymbol{f}$ $2.869,230$ 250,000 | $\underset{1,06 \times, 135}{\substack{\text { ¢ } \\ 9,283}}$ | $3,735,128$ | ${ }^{2} 18$ |
| lrovinctal hank of Ireland | 1825 | 21,0001 4,0104 | $\left.\begin{array}{c}100 \\ 10\end{array}\right\}$ | 2,000,000 | 640,000 | 256, 56.3 | 927,667 | 20 |
| Northern Banking Company | 1885 | 4,8,911 | 92 | 451,480 | 160,000 | 131,912 | 21,3,410 | 2.53 |
| Nelfast Ilanking Company - | 1827 1835 | $10,000]$ 50,000 | 100 510 | $1,000,000$ $2,500,001$ | 1,525,010,000 | 263,1041 597917 | 281,611 $854,269)$ | 30 |
| Utster Hanking Company: | 1836 | 73,364 | 10 | $2,5010,007$ 73320 | 1, $18.3,105$ | 159,86, | 852,269 $\mathbf{3 1 1 , 0 7 9}$ | $2{ }^{13}$ |
| * Hayal hank | ${ }_{1}^{18.36}$ | 30,006 | 50 | 1,501,000 | 300,001 | 215,100 | 1, | 20 |
| * (Inion liank of lreland (Limited) | 1862 | 10,100 40,000 | 104 10 |  | 220,600 $140,1040$. | $\begin{aligned} & \text { 3, } 106 \\ & 2.5,(400 \end{aligned}$ | 二 | 6 |
| Total - | - | - | - | 1,3,391,330 | 6,277,635 | 4,727,781 | 6,354,494 | - |

The following are the latest parliamentary ${ }^{\text {. By }} 9$ Gco. IV.c. 24 all public notaries practising enactments in connection with Irish banking. in Ireland were constrained to keep open their
offices till nime r.m. By $27 \& 28$ Vict. e. 7 the notary is not constrained to keep his ollice open ufter six 1.s., and every note or bilt, payment of which is not presented upou this hour, is helit to be dishonoured.

3y 27 \& 28 Vict. c. 20 so much of $8 \& 9$ Vict. c. 37 as prohibits the negotiation of bills of exchange and promissory notes below 51 . is repeated for the space of two years.

By e. 86 the 'Treasury may eompound with bankers in lreland for the stamp duty on bank post bills for a perion of three years.

By es d 29 Vict. c. 16 the interest payable to the grovernor and company of the bank of Jreland $i_{1}$ respect of $2,630,769 l$, ds, 8 , 1 , due to them by the public, is fixed at 3 per cent. The payment in respect of the management of the public debt is thol. per million, if the debt be under $30,000,000 l$; $300 l$. per million, when between $30,000,000$. and $10,000,0001$. ; and if aboye $10,000,000 \mathrm{l}$., then 150 l . per million for each additional million.

## Sec. IN.-Danks of Vexice, Imstemand \&c.

It would far exceed our limits to enter into any detailed statements with respeet to the banks and banking systems of foreign countries; we shall therefore confine ourselves to a brief notice of such banks as have been most celcbrated, or are at present of the greatest itoportance.

Banh of Venice.-The Bank of Venice was the most ancient bank in Euronc. Llistorians inform us that the republic being liard pressed for mones, was whiged, upon three different occasions, in 1156, 1480, and 1510 , to levy forced contributions upoly the citizens, givilf them in return perpetual ammities at certain rates per cent. The annuities on the forced loan of 1.180 were to be suspended duritg periols of war. 'The ammities due nader the forced loan of 1156 were, however, finally extinguished in the sisteenth century: And the oflices for the payment of the ammities due under the other two loans having been consolidated, eventually beame the Bank of Veaice. (Cleirac, Du Negoce, de la Banque de.-Burdeanx, $1656, \mathrm{pp}, 112-117$, a searee and valuable volume.) This might be effected as follows: The interest on the loan to Government being paid punctually, every claim registered in the books of the of'se would be considered as a productiye capital; and these claims, or the right of receiving the annuity accraing thereon, must soon have been transferred, by demise or cession, from one person to another. This practice would naturally suggest to holders of stock the simple and easy method of discharging their mutual delots by transfers on the oflice books, and as soon as they became sensible of the advantages to be derived from this method of accounting, bank-money was invented.
The Bank ot Venice was essentially a deposit bank. Though established without a capital, its bills bore at all times ant agio or preminm above the current money of the republic. The invasion of the French, in 1797, occasioned the ruin of this establishment.
Bank of Amsterdam.-The Bank of Ansterdam was founded in 1609 , onstrictly commercial principles and views, and not to allurd any assistance, or to commix with the finamees of the state. Amsterdam was then the great entrepot of the commeree of the world, and, of course, the coins of all Europe passed current in it. Many of them, however, were so wom and defaced as to reduce their general average value to about 9 jer cent. less than their Dlint volue; and, in consequence, the new coins were immediately melted down and exported. The currency of the city was thus exposed
to great fluctuations; and it was chiclly to remedy this inconvenience, and to fix the vatue or par of the current money of the country, that the merchants of Ansterdam established a 'bank,' on tha moulel of that of Venice. Its first capital was formed of Simuish ducats or ducatoons, a silver coin which Soin had struck in the war witf llohland, and with which the tide of commeree had enriched the country it wats formed to overthrow, 'lhe bank afterwards aceepted the moins of all countries, worn or new, at their intrinsic value, and made its own bank-money paynhle in stamdard eoin of the comary, of fill weight, dedacting a brassuge' for the expense of comare, and giving a eredit on its books, or 'bank-moner,' for the leposits.

The Bank of Amsterdam professed not to lend out any part of the specie entrusted to its kepping, but to retain in its colfers all that was inseribed on its books. In 1672, when Lonis XIV. penetrated to Utrecht. almost every one who had an account with the umak demanded his dejosit, and these were paid off so readily that no suspicion conkl exist as to the tidelity of the administration. Many of the coins then bronght forth bore marks of the conflagration which happened at the lotel de Ville, soon after the establishment of the bank. This good fith was maintained till about the middle of last century, when the managers sceretly lent part of their bullion to the East India Company and Govermment, The usual 'onths of oflice' were taken by the magistracy of a religious community that all was sate ; and the sood people of 1 Iolland believed, as an article of their crech, that every thorin which circulated as batak-money had its metallic constituent in the treasury of the bank, sealed up and securd by oths, honesty, and food policy. This blind contidence was dissipated in Deember 1790 , by a declaration that the bank would retain 10 per cent. of all deposits, and would return none of a less amount than 2,500 jlorins.

Jiven this was submitted to and forgiven. Jut fuur years afterwards, on the invasion of the French, the bank was obliged to declare that it had advanced to the states of Molland and West Fricsland, and the East India Company, more than $10,500,000$ florins, which sum they were, of course, unable to make up to their depositors, to whom, however they assigned their claims on the states and the company. Bank-money, which previonsly bore an agio of 5 per cent., immediately fell to 16 per cent. below current money.

This epoch marked the fall of an institution which had loner enjoyed an unlimited eredit, and had rendered the greatest services. The amomet of treasure in the vanlts of the bank, in 17\%), was estimated by Mr. IIope at $33,000,000$ dlorins. (Storeh, Cours il'Economic Politique, tom. iv. p. 10:.)

Brah of Mamburg.-The Bank of IIamburg was established in 1619, on the model of that of Amsterdam. It is purely a deposit bank for the transfer of sums from the acconnt of one individual to that of another. It receives no deposits in coin, but only in bullion of a certain degree of fineness. Duwn tor 18.15 it charged itself with the bullion at the rate of 4.12 schillings the mark, and issued it at the rate of $4 \cdot 4$ schillings, being a charge of four-ninths, or nearly one-lialf per cent., for its retention; but since that date it receives and issues bullion at the same rate, charging one per mille for its expenses. It advances money on jewels to three-fourths of their value. The city is answerable for all pledges deposited with the bank: they may be sold by auction if they re-

## which is

to the Ba 1800, but basis till fixel at d tioned ye shares, or $67,900 \mathrm{ha}$ the remain by the hat quently ea down to 1 a reservo recently of enjoyed th in Paris en and, as $w i$ only autho Her eharte prolonged periods; aed are not term

The bank
between 18 (succur:ales) They are ma parent estab been on a are exclusiv ns will be im Notwithsta which her af the lievolitic situation of $e$ large advance the eity of combined wit prevalent, oce
for golil, that, her cotfers, si March 16, 18 notes being at loat to prever
lave taken have taken maximum an 350 millions. relnce the va and 100 fr .
l'reviously motel of that been establishd Kolsen, and ot determined th rated with the of the latter. issued on Apri] shareholders of number) were value of their value of the std in consequence representing a c to the stock of Jatter consist of shares. In 185 continued, speci
The suppress partmental bar measure, and wo
the equal value
main one year and six weeks withont any interest being paid. If the value bo not imed within three years, it is forfented to tho poor. This bank is universally admitted to be very well managed.

Sec. X.-Tue Bank of Fuance, which la second only in magnitude and importance to the lauk of England, was originally founded in 1800 , but was not placed on a solid and well-detined basis till 180(;. Mer capital, which was originally lixed at $45,000,000$ fr., was raised in the last mentioned year to $90,000,000 \mathrm{fr}$., divided into 90,000 shares, or actions, of $1,000 \mathrm{fr}$. each. Of these shares, $t ;, 900$ have passed into the hands of the publie; the remaining 22,104 , having been purchased up by the lank out of her surplus profits, were subsequently cancelled. Wence her capital amounted, down to 1818 , to $67,900,000 \mathrm{fr}$ ( $2,716,600 \mathrm{0}$ ), with a reserve fund, first of $10,000,000 \mathrm{fr}$., and more recently of $12,980,750 \mathrm{fr}$. Since 1806 the bank has enjoyed the privilege of being the only institution in l'aris entitled to issue notes payable on demand; and, as will be afterwards seen, sle is now the only authorised issuer of such paper in France. Her charter and exclusive privileges have been prolonged and varied by laws passed at different periods; according to existing arrangements they are not terminable till 1897.

The bank has established, at different periods between 1817 and 1856, otfices or branches (succursales) in different parts of the country. They are managed nearly in the same way as the parent establishment ; but their operations have been on a comparatively small scale. These are exclusive of the departmental banks, united, as will he immediately seen, to the bank in 1818 .

Notwithstanding the skill and caution with which her affairs have generally been conducted, the Revolution of 18.18 brought the bank into a situation of extreme danger. She had to make large alvances to the prorisional Government and the eity of I'aris. And these circumstances, combined with tho distrust that was mniversally prevalent, occasioned so severe a drain upou her for gold, that, to prevent the total exhaustion of her colfers, she was authorised, by a deeree of March 16, 1848, to suspend cash payments, her notes being at the same time made legal tender. But to prevent the abuse that might othervise have taken place under the suspension, the maximum amount of her issnes was fixed at 350 millions. She was then also authorised to reduce the value of her notes from 500 fr . to 200 and 100 fr .

Irevionsly to 18.18 , joint-stock banks, on the model of that of Paris, and issuing notes, had been established in Lyons, Marseilles, Bordeaux, Ronen, and other large cities. And it was then determined that these banks should be incorporated with the Ibank of France, and made branclies of the latter. This was effected by decres issued on April 27 and May 2, 18.18, by which the shareholders of the banks referred to (nine in number) were allowed, for every $1,000 \mathrm{fr}$, nominal value of their shares, a share of $1,000 \mathrm{fr}$. nominal value of the stock of the Bank of France. Aud, in consequence of this measure, 23,351 new shares, representing a capital of $23,351,000 \mathrm{fr}$, were added to the stock of the Bank of France, making the latter consist of $91,250,000 \mathrm{fr}$., divided into 91,250 shares. In 1851 the bank resumed, and has since continned, specie payments.

The suppression of the local issues of the departmental banks was, no doubt, a judicious measure, and was indispensable, indeed, to secure the equal value of the paper eirculation in dif-
ferent parts of the country. This, however, might have been etfected by the mere stoppage of the issues of the department, i banks, withont consolidating them with the llank of France. The latter measure is one of which the polley is very questionable; and there are, as alrealy scen, good grounds for thinking that the banking business of the departments would have been mote likely to be well eonducted by local associations than by branches of the bank of France.

Owing to the peculiar circumstances of the last frw years, oceasimed partly ly the war winh lussia, but more ly the rage for speculation and the drain for silver to the East, the 13ank of tirance has been exposed to considerable dithcultics. Aull in the view of strengthening her position, and also, it may be presumed, of providing a hoan for Goveriment, a law has been recently passed (June 9, 1857), by which the capital of the bask has been doubled. I'reviously to this law, her capital amounted, as alrealy seen, to 11,250 shares of $1,000 \mathrm{fr}$, each; whereas it now consists of 182,500 shares of $1,000 \mathrm{fr}$ each. The new shares were assigned to the existing proprictors at the rate of $1,100 \mathrm{fr}$. per share. producing a sum total of $100,370,000 \mathrm{fr}$., of which $100,000,000$ fr. have been lent to Government at 3 jer cent. Hence the measure, though it has added to the credit and security of the bank, has not made any addition to the means directly at her disposal.

Down to the passing of this law, the bank could not ruise the rate of interest on loans and disconnts above 6 per cent. But this impolitie restriction is now removed, and the bank may charge any rate of interest which she reckons expedient, execpt upon advances to Government, the maximum interest on which is limited to 3 per cent. The bank has heen firther authorised to issue notes of the value of 50 fr ., to make advances on railway shares \&c. and the charter has been extended to 1897.
The bank is obliged to open a compte courant for anyone who requires it, and performs services, for those who have such accounts, similar to those performed for their customers by the banks in London. She does not charge any commission on current accounts, so that her only remumeation arises from the use of the moncy placed in her hands by the indiciduals whose payments she makes. It is probable, therefore, as has been alleged, that this part of her business is but little protitable. The bank also discounts bills with three signatures, at variable dates, but not having moro than three months or ninety days to run. In $180^{5}$ the aggregate amonnt of these discounts in Paris and the departments amounted to the very large sun of $3,26 \div, 000,000 \mathrm{fr}$., the interest being 5 per cent, till October 18 , and afterwards $\mathcal{F}$ per cent. Besides discounting bills, the bank makes advances on stocks and pledges of various kinds, and undertakes the care of valuable articles, such as plate, jewels, title-decels \&c. at a charge of one-eighth per cent, on the value of the deposit, for every period of six months and under. Nothing can show more clearly the petty retail character of the trade of Paris, and generally of France, than the smallness of the value of the bills discomnted by the bank. Thus of 963,000 bills discounted in 1847, the average amount was only $55 . / 4 \mathrm{~s}$., and of these no fewer than 126,900 were for less than 200 ir . (81.), and 470,000 for less than 1,000 frs. (201.), each. (looke and Newmarch On Prices, vi. 51.)

The administration of the bank is vested in a comeil of twenty-one members, viz. a governor and two sub-governors, nominated by the Emperor; and fifteen directors and three censors,
nominated by the oharehohers．The bank has a July 1856 the $1,000 \mathrm{fr}$ ，share of bank－stock was
 she divided no less than 200 fr ，and 272 ir，protits 2,880 fr．Her intimate connection with tho on each share；but these lave much exceeded（avermment is decidedly the most objedfonable the dividends in any previous year．In 1818 tho feature in the constitution of the lank of dividends only amounted to 75 fr ．per share．In lirance．

The follouing is ans Accomit of the 1hanh of France for the Fice Years ending 1865，stated in Einglish moncy at 25 froncs $=11$ ．

1．－LIAB1LITIES（DSssit）．

| D．tev | LHItets to lsearer （Cireulation） |  |  | Hillets to Order （Bank l＇ost Bids） |  |  | Current Accounts （1）eposits） |  |  |  | Other <br> 1．iatulties | Tonal dathities |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $E$ | Hranch | Total | Parls | Hécé－ pixses | Total | Treasury | Paxis | Hranch | Total |  |  |
| $\begin{array}{r} 18 \sigma_{1} 1 \\ A_{p r i m} \end{array}$ | \＆ | $\underline{1}$ |  | 210,6001 | 360，000 | $\underset{\text { 601，}}{\substack{\text { E }}}$ | 3，201，000 | 4.1611000 | 1，304，000 |  | $9,3.311,0019$ | 17，${ }^{\frac{1}{1} 1.010}$ |
| Alect | － | － | 25， 2030,000 | $1.0,1400$ | 190，060 | 3；0，000 | 4，110，000） | 4，670，000 | 1，050，000 | $10,1,30,000$ | 10，340，000 | 19， 10,1000 |
|  |  |  |  |  |  |  |  | 6，210，000 |  |  | H） |  |
| lee． | 二 | ＝ | 31，260，000 | 150,000 | 2210，400 | 400，000 | 1，220，000 | 6，290，000 | 1，270，000 | 11，1080，000 | 9，3ind，000 | 64，120，100 |
| 156.3 |  |  |  |  |  |  |  |  |  |  |  |  |
| \pril | － |  | 31，000，000 | 300，009 | 160，000 | 160，060 | 3，020，000 | 6，030，000 | 1，230，000 | 10，260，00i | 9，290，000 | in），970，000 |
| 16． |  |  | 20，200，000 | 150，000 | 1：20，000 | 3000000 | 2，100，000 | 5，120，000 | 1，010，000 | 8，560，000 | 10，170，010 | 49，5，50，010 |
| 1861 |  |  |  |  |  |  |  |  |  |  |  |  |
| Sbris | － |  | $30,390,000$ $49,690,000$ | 180，000 | 60，000 | 210,090 $\mathbf{2 6 0 , 0 0 0}$ | $2,000,800$ 4,8900000 | $1,550,000$ $3,560,040$ | 780,000 960,000 | 7， $3,430,000$ | 111，110，000 | $17,8611,000$ $19.270 .000$ |
| Bec． |  |  | 29，690，000 |  |  | 260，000 | 2，890，000 | 5，360，010 | 960，010 | 9，210，000 | $111,110,000$ | $19,270,000$ |
| 1865 |  |  | 31，620， |  |  | 411，000 | 3，580，000 | 6，330，000 | 1，220，000 | 11，190，000 | 10，151，000 | 53，510，1 |
| Fetb， 2 |  |  | 32，490， 112 | － | 二 | 270，（106） | 3，410，010 | 4，600， 110 H$)$ | 1，120，00s | 9，180， 1 HW | 9， 170.1004 | 51， 110,110 |
| Dlarch 2 | － | － | 30，9，30，1090 | － | － | ＜20， 0 O4 | 3， $3.90,0 \mathrm{kr}$ | S， 2 （m），（hwi | 1，290， $1 / 20$ | 9，940，200 |  | 510，5ub，（H00 |
| $A^{\text {dril }} 6$ |  | － | 31，154，1111 |  |  | 280,0048 | 3，790，400 | 3，510，100 | 1．130，000 | 10，16， 11,000 |  |  |
| May 4 | － |  | 3＜2， $4 \times 10,1+10$ | － | － |  | $3,1 \times 11,010$ | $5,516,0104$ | 1，25\％，0（1） | 10，370，600 | 9， 280,1001 | 52，（140，（4）N |
| June 1 |  |  | 32， 390,0181 | － | － | 316，0，06 | 3，5301，0140 | 6，6\％6，900 | $1,240,000$ | $11,370,460$ | 9，730，001 | $83, \times 10,000$ |
| Juty 6 |  |  | 31，360， 1901 | － | － | 310，010 | 3，1330，000 | 7，5：m，M00 | 1，300， 1110 | 11，1sis， 0160 | 10， $210,+160$ | 30，124， 600 |
| Aus． 3 |  |  | 33， $91.30,11141$ |  | － | 3110000 | S，790， 010 | 7，170，（100 | 1 ，${ }^{1}$ | 14，510．010 | 9， 930.0001 | 6i0， 200,400 |
| kep． 7 | － |  | 33，980， 1616 | 二 | － | 3．40，012） | C， 2 20， 0,010 | 7，560，${ }^{\text {a }}$ | 1，130，060 | 14，964，0890 | 9，3600， 9161 |  |
| Det． 5 |  |  | 35，320， 1409 |  | － | 3.5016169 | 5，600，040 | 7，320，60） | 1，374，8109 | 11，360，000 | 9， |  |
| Nors 3 | 二 | 二 | $33,580,11013$ 34240,041 |  | 二 | 380,010 3004000 | Q，341，061 $1,010,1400$ | $6,1311,000$ $6,170,000$ | $1.310,060$ 970,160 | $12,790,000$ $11,154,1000$ | \％，70，${ }^{\text {a }}$ | 55，${ }^{1290,010}$ |
| Bre． 7 | － | － | $31 \times 390,0$（1） |  |  | $\xrightarrow{30000}$ | 1，010，100 | 6，170，000 | 970，nito | 11，10，400 | 9，750， 010 | ：16，080，010 |

1I．－ASSETS（Actif）．

| Date | Coin and Bullion |  |  | portfulio （1）iscounts） |  |  | Ad－ vathces OH Jugots lutal | Alvan． CTO OH2 Juble Total | Ad． vances on Shares ＇Total | OherI soctio | Total Ashets |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Paris | Hranch | ＇lobal | 13ris | ch | Total |  |  |  |  |  |
| 1861 |  |  | 15，121，00！ |  |  | $\underset{18,244,0100}{e}$ |  |  |  | 9640700 | $4{ }^{4} \mathrm{~Pa}$ |
| April vee． | 2，9f，0，000 | $12,364,000$ $9,180,000$ | $1.5,126,000$ $12,910,000$ | $8,3100,000$ $11,250,000$ | 9，921，000 | 18,2246090 $44,50,060$ | $1,720,000$ 700,100 | 1，630，000 981,400 | \％，014，000 | 9，624 4,700 | 47，8661，000 |
|  | 3，750，000 | 9，150，000 | $12,910,000$ | 11，250，000 | 13，350，0U0 | 21，550，000 | 700，000 | 981，400 | 1，500，000 | $8,3150,000$ | 49，360，000 |
| 1862 |  |  |  |  |  |  |  |  |  |  |  |
| April | 5，450，000 | 11，180，000 | 16，6，30，000 | 12，490，060 | 10，060，0011 | 22，550，000 | 430，000 | 5，700，000 | 2，3f0，00n | 8，1：50，000 | 5．5，400，003） |
| Dec． | 1，430，000 | 8，350，000 | 12，760，100 | 12，130，000 | 10，760，000 | 24，790，000 | 210,000 | 3，150，000 | 3，730，000 | 9，100，000 | $5 \%, 100,000$ |
| 1863 |  | 1C，520，000 | 15，0）60 | 10，540，000 | 9．， |  |  |  |  |  |  |
| Dec． | 2，310，000 | 6，210，000 | 8，520，000 | 13，660，000 | 11，950，000 | $24,510,000$ | 520,000 | 2，030，000 | 0 | 8，830，700 $9,160,190$ | $51,080,1000$ $4 \times, 550,060$ |
| 1564 |  |  |  |  |  |  |  |  |  |  |  |
| $\boldsymbol{A}_{1}$ ，ril | 5，050，700 | 5，510，5010 | 8，760，000 | 14，290，000 | 11，450．000 | 2．5， 10,000 | 580，000 | 1，260，000 | 2，350，000 | 9，210，000 |  |
| Dec． | － |  | 15，100，000 | 10，980，000 | 11，590，016 | 22，570，000 | 960，000 | 930，000 | 1， 2 － 0,000 | 9，030，1000 | $19,260,000$ |
| Jan． |  |  | 1\％，730，000 | $14,380,000$ $12,960,000$ | $13,20,000$ $13,150,010$ | $2,600,000$ $26,050,0401$ | 810,000 780,160 | 950,000 960,000 | $1,800,000$ | 9，1 10，069 | 33，500，000 |
| Matr． |  |  | 15，250，（0） | 10．7tal，000 | 12，020，400 | 22， 7814,100 | 6t9，004 | 880， 1100 | 1，${ }^{\mathbf{2}} 110,100$ | $9,120,000$ $9,190,0,11$ | $3,430,0100$ $540,50,0,93$ |
| A pril | － |  | 15，190，000 | 10，020，400 | 10，790，000 | 21，810，000 | 880，00\％ | 915，100 | 1，010，000 | 9，1911， 1100 | 51，920，0141 |
| Nıy | － |  | 18,0400000 | 10，650，000 | 11，400，0\％ | 21，6\％6，000 | 1，200， 000 | 960， 1100 | 1，9¢1，¢1 | 9，120，010 | $32,430,100^{\circ}$ |
| June | － | － | $19,630,000$ | 8，940，000 | 10，530，010 | 19，48t，000 | 1，899，090 | 970，400 | 1，960，000 | 9，911，900 |  |
| Juty |  |  | 19， 9 ， 30,400 | 11，38（1），100 | $12,290,000$ 13,19175000 | $23,4780,010$ $25,130,1100$ | $2,321,000$ $2,910,1610$ | 1，0117，000 | 2，120，001 | \％， 1111 ， 6171 |  |
|  | － |  | 20，1 10， 000 | 11，560，001 | 11，850，000 | $23,110,000$ | 2，0，60， 010 | 1，960，1100 | $2,190,100$ 2,081009 | $9,3110,0011$ $0,720,1111$ | 60，190，400 |
| Oct． |  |  | 18， $8.30,000$ | 13，610，000 | 12，800，040 | 26，310．0in | $2,1 \times 1,1600$ | 920，010 | 2，140，069 | 9，300， 01000 |  |
| Nos． | － |  | 16，710，100 | 13，930，040 | 13，990，000 | 27，9\％0，500 | 1，140，060 | 890，000 | \％，100， 1100 | 11， 61011,1001 |  |
| Dec | － | － | 17，50， 2000 | 12，980，000 | 12，610，000 | 25，510，000 | 1，930， 0100 | $8.50,000$ | 1，960，0ио | ！，zf0，\％h\％ |  |

Flucturtions in the Valuc of the Shares of the Bank of Franec since the Year 1801，par 1，000 francs．

| Years | 11ighest | Lowest | Vears | 11 ighest | Lowest |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1801 | 1，4\％ | 1，170 | 183\％－41 | 3，800 | 2，320 |
| 18012－6i | 1，385 | 1，010 | 1812－16 | 3，5105 | 3，009 |
| 180z－11 | 1,1319 | 1，150 | 1817－5！ | 3，409 | 930 |
| 1812－16 | 1，1660 | 470 | 1859－56 | 4，200 | 2，545 |
| 1817－21 | 1，00\％ | 1，114 |  | 4，6i9 | 2，500 |
| 182\％－26 | 2，245 | 1，115 | 1562 | 3，310 | 2，9\％0 |
| 1827－31 | 2，050 | 1，380 | 1863 | 3，500 | 3，27． |
| 1831－36 | 2，305 | 1，595 | 2864 | 5，595 | 3，260 |

Amount of Dividend paid per Share of the Bunk of France，1836－6．1．

| Tars | Prs． | Yars | Frs． | Yerrs | Fss． | Ycars | Frov |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }_{\substack{1837 \\ 18.7}}$ | ${ }^{112}$ |  | 19 | 18， | ${ }_{1}^{1145}$ | 1898 | 111 |
| 1831 | ${ }^{12}$ | ${ }^{\substack{1 \\ 1 \\ 1,6 \\ 16}}$ | ${ }^{1}$ |  | ${ }_{\text {\％}}$ | （ix | 117 |
| ， |  | 18， | ${ }^{7} 106$ | ， |  |  |  |
| 1812 | ${ }_{12}$ | 1850 | 101 | 1857 | 217 | 1 $8: 5$ | 200 |

During a period of 29 year：the Bank thus
paill divi yeary 10 cent．，I y in 18 ºte．

Note Cir
 fortgaze for 105,0 min， 00 different perion nobles of varion interest at $3 \frac{1}{1} \mathrm{p}$ 1815 ，with the and particularl paper money，ti all but neminal was $110,250,00$
paid divitends of, 1 year ( 1818 ) it per erint., 18 yeary 10 to 1.5 jer cent.. 8 yeary 1.0 to 20 pur
 in 18006 .

Nots: Circuhation of the Banh of I'romer, IN1.i-6.I.

| Jearn | Fris. | Vears | Fr, |
| :---: | :---: | :---: | :---: |
| Isor | 7,410,060 | 1414 |  |
| 1810 | 1(10, 11440,1109$)$ | 1414 |  |
| 181) |  | 14.51 |  |
| 15\%11 |  | $1 \times 53$ |  |
| 1031 |  | 1461 |  |
| 14,31 |  | 1463 |  |
| 1836 |  | 15131 |  |

## stec. XI. - llanking in Gethanm.

Prussin,-The Mank lioyal of l'russia was
 of llambarg. Sis it existed matil 18.16, when it was reorganised unter a new chartor, by whid more extension was given to its operations. In accordance with this new constitution, the issue \& motes has been carried to $15,000,000$ thaters (the thater equal to es. 103al, sterlingr). In 18:u) this assue was raised to $21,001,01011$ of thalers. The eapital of tha bank is always to be, in proportion with the notes in eirenation, two-sisths in silver, three-sisthe in bills discomoted, and the rest in loans on securities. The bank botes are from twenty-five to lifty thalers cach; but in 1 siff, an issue of notes of ten thalers was permitered to

 diserounts amomited to $288,000,(016)$ thaters. Hint there eanuot be a donbe, although aceurate infarmation on toreign banking is not casily attamable, that the progress of commeree is rapidly angmenting their use. The share of the Government in the bank amonnts, at most, to $500,(10) 0$ thalers. The sharehohers are sutitled to an ammal interest of 31 per cent. upon the eapital, and, after a furt lier dedaction of $\frac{1}{4}$ jer cent. set apart for the reserve or rest, which is mot to exeed 35 per cent, of the capital, one moiety of the surphas protits is apportioned to them in addition, and the other froes to the treasury. The bank has brauches in a great number of cities, as Breslan, Königsbors, Dantzic, Stettin, Mardelourg, Miinster, Cologne, Memel, Posen, Stolje, EIberfobl, 'Treves, Lix-ha-Chapelle, Ditsoldorf, Coblenz, Dinden, Erfiart, Framifort-on-the-Oder, St radsuntl, Käslin, Liegnitz, and Uppeln, and thas torms a vast network of finaneial operations throurth all the kingtom,

The private bank of the noblesse of Pomerania was foumded at sitettin, in $1 \times \pm 1$, by an association of moble proprictors, with a rapital of $1,000,0010$ thalers. After the crisis of $18: 30$ this capital was carried to $1, i 31,500$ thaters. The operations of this bank embrace discount, loans upon fodfments of merchandise, loans upon public and private seeurities, current acconnts, and deposits with interest. Its issme is limited to $1,0 \mathrm{~m}, \mathrm{HOO}$ thalers, on contition that it retains one third inspecie. 'I'here is a circulation of about $90,00010,(00)$ of thalers of mortrare untes in l'russia (these are, in fact, for $10 \%, 1164,0000)$. They have been issued, at different perioks, by associations of proprietary nobles of varions parts of the kingrom, and carry interest at $3 \frac{1}{2}$ per cent.
Austria. - The Ibank of Vienna was foumted in 1815, with the purpose of restoring the finances, and partienlarly fir the conversion of the state paper money, the value of which was by thes time all but nominal. At the end of 1864 the eapital was $110,250,000$ florins, the reserve $11,264,900$
thorins, the note circulation 3 7is,828.020 florins. mortrares in cireulation (lfandloriefe in ["manf)
 amounted to 117 , ithis, 1 a thorins. Its privilenges are "xtemfed to theormber al, ixiti. 'The ham to the state in cousideration of these privilegers is 818,6010, 1800 thorins withont security.
'The lhanl: of Viema is the sole state lank of Anstrin. Its functions are chictly those of issuin; paper, itiscounting commercial bills. and of mevelopiuge certain kimes of publice wores. It has the sole right of iswaing botos. 11 aperats that the chief danger whidh the bank roms is that contsequent umon alvanes to dovermment, whirl art. mande, as might le expected. profusely in times of presmare. These advances areacempanicel witha larenely incremed issue of pajer. The that allows wo interest on deposits. The rate of disombt is nevar abuene 5 or helow 1 per rent.
'l'lue lank hat, in Ixais, nineteen bramelow, the chicl" of these being the establishanents at l'rague, l'onth, and britur. The business, lawerer, done at the branches is comparatively trivial.

Bumaria. - The Royal lank of Nurember, which hats 1 ratuches at Anspurlo (at which phace: it was tirst fomeded), Hayrentls, limmerer, llof,
 ancient establishment, the supervision of whid is in the hands of timate ministers. The fumse of the bank are derived from state inrants, alvaners made by the otlicials of the lank reserve fimats, and dopasits from the law courts. 'The net protits are divided into two prortions: of these one is divided between the state and the oflicials of the bank; the otlur moiety forms a reservo. It pulblishes no accounts, Its btinimess is that of exchange, diseount, loan and eleposit : loans being errinted on sullicient seeurity, and deposits bearing interest of from 2 to 3 per erent.

The loan and exchange lank of Bavaria, which was fonnted in Munich in I 8:3, and anthorised by royal decree in $1 \times 35$, legan operations in 183.3 . lis chartor is for 99 vears from daly 1, axil 1 . It hatd three branches in 1863. Its fimation is to letul on proold un to lalf their value; to diseotant bills of exctiange of ninety days, and containing not less than three names, or liavarian securities at six montlas' date; to fend on specie de. up to ninety percent.; to contract tire and life assurances. The issue i.s limited to $8,000,000$ thorins, $2,000,006$, being laved on specic. The ammal divident on the stock of the bank appears to be large.

Leijsic.-'This bank was founded by royal deeree in 183:3, to endure for forty years, with a capital of $1,500,000$ thalers, a sum which has been subseruently increased. It receives teposits without interest, disconnts there montlis' bills with three mames, and performs similar operations. Its issues of 20 , 5it, and 100 thaters mist be supported hy two-thirds their atnount in speeic or ingots. The prolits are divided: 3 per eent. is tirst paid on the capital, and of the surplus 25 per ernt. is alfled to the roserve, until it reaches $3,000, \mathrm{t}(6)$ thalers, 5 for the management, 70 for the shiareholders.

Würtemberg.-'There are four banks at Stuittgardt, one belonging to the king. Auother, possessiner thenital of $9,000,000$ thorins, pays 5 per cent. and whitever surplus may exist, insues notes, twothirels of which may be guaranted on eommercial bills, one-thite in suecie.

Brlyium.-The National lank of Felginm is modelled on that of the Bank of Franes. Its apital consists of 25,000 shares, each of 1,000 frames: it issues paper payable on sight and to bearer to the amount of $20,50,100,500$, and 1,000 franes; but without permission from Government cimmot increase its issues beyond three times its
metallic reserve. This hank has pail large and increasing dividends to lolders of its stock.

The Bank of Belgirim has a capital of $30,000,000$ franes in 1,000 frane shares. It was authorised by roval decree in 1835 for the period of furty years.

There are also banks at Gtient, Jitge, Cerning, Tongres, Namur, Verviers, besides loan and disconnt establisluments and institutions of crédit foncier and mobilier. One of the last kind has beer in existence since 1822 , was anthorised by the kins of Holland, was moditied by the Belginin monarchy after the war of independence, and has been eminontly successful. 'There are, in short, few European colutries in which banking has been so filly developed as in Belgium.

Denmark-'There is a bank nt Copenhagen (with branches at Flensburg and Rendsburs), which was created in 1818, with a capital of $13,461,600$ rixilollars. The capital was provided by a special tax, the contributaries to which, provided their quota was not short of 100 rindollars (abont 10l. 5s.), became pro ratâ shareholders, The bank issues notes, the amount of which in 1864 was $20,000,000$ rixd'lars.

Grecce-The National Bank of Greece, sitnato at Athens, with branches at l'atras and Syra, lias a capital of $5,000,000$ drachmas, divided into 5,000 shares. It discounts bills at a maximum rate of 8 per cent., Jends on deposic of geld or silver ai a maximurt of 10 per cent., and makes ade .nnces on accounts eurrent and deposits. It issues nütes of 25,100 , and 500 drachmas, of which one-third must be supported by specie, and bills of not less than 100, 0. more than 1,000, drachmas. Atter providing that 7 per cent. should be paid as interest on the shares, the surplus is divided as follcws: four-twentieths to the reserve fund, until this fund amounts to one-fifth of the capital; onetwentieth to the directors an! oflicials; tifteen twenticths to the proprictors of shares. The bank had, in 1863, 2,128,000 drachmas as a reserve, and had paid, from its commencement in 18.12 to this date, a rate varying between $7 \frac{1}{2}$ and 12 per cent. on the capital.
Italy.-The National Bank of Italy has its chief office at 'Iurin with branclies at Florence, Nables, Milan, and Genoa. Its capital amounts to $100,000,000$ francs in 100,000 shares on each of which 700 franes is paid. Its foumbation took phace 18ti:', by the union of the National lank of 'lurin with that of Tusean . There are also a bink at Naples and at Rome, the former with a capital of $1,000,000$ ducats, the latter of $2,000,000$ lioman scudi. The issues of the P'apal Bank are as low as a siagle sendo. Establishments of eridit foncier and mobilier have also been founded in Italy.

Portugal.-The National Bank of Portugalchief othice at Lisbon with branch at Oporto-has a eapital of 8,000 contos of reis, divided into 80,000 shares. It was established by royal docree, by a fusion of the old bank of Lisbon and the Companhia Contianza National. It issues notes, the lowest at 1,200 reis, makes advances on bills and deposits of merelandise \&c., on immoval)le property, and on acceunts current. Jills havinis two names, and for ninety days, are discounted at 5 fer cent. and loans are negotiated at the same rate en publin amb private securities.

Strin.-The blank of Spain has its chief office at Madrid, with branches at Valentianal llicante. The governor and deputy-governor are nominated by the state. Its capital is $120,000,000$ reals vello n, in 60,000 shares. Inturest tixed at 6 per cent. The hank was fombled hy the crown in 1859, in place of the IBank of S. Furdinand, which had itself been incorporated with that of Isabella II. An carlier institution was the bank of S .

Conles, founded by a Frencliman, in 1782, one Cabantas.

The bank issues notes up to $n$ moiety of its. capital, under the puarantee of a third of the issue in specie, the lowest note being of bo0 reals vellon. It diseounts ninety days' bills with three signatures: and makes adyanees on deposits to four-fifths their value. The divident on the shares has been as liigh as 26 per cent. 'I'hore are other lanks in Spain, besides institutious of credit.

S'uceden and Wormay.-The Bank of Sweden has its ciniet ollice at Stockholm, with branches at Gothenburg, Malmio and Wisby. Its capital is $13,000,000$ bank thalers. It was foundel in 1637. It issucs notes. I'he Ihoyal Loan Ihink of Norway has a capital of $3,000,000$ thalers specie. Its chief uffices are nt Drontheim, but it has several branches. It issues paper to double the amount of its reserve in bullion.
Suitzerland.-'There are numerous banks in this republic, each state in the confederation being possessed of a bank.

T'urley.-The transactions of this community are managed by the Imperial Ottoman Bank, whieh is empowered to issuc notes. This capital of the bank is $67,000,000$ franes.

Wallachia and Moldavia.-These prineipalities liave a bank at Jassy, the capital of which is $10,000,000$ thaters in 50,000 shares. It issues a paper earreney, which mist be supported by onethird its amount in specie.

Bank of the Netherlands.-The original eapital whs fixed at $5,000,000$ florins, with it power of cloubling this, if expedient; but two years tlapsed before the whole was subscribed for. Of this capital the State held $1,000,000$ florins.

In 1819 the capital was raised to $10,000,000$ florins; and as the rest then amounted to 250,000 flurins, in order to place the new shanes on the same footing with the old, 1,050 floring were paid un on cach share. The whole were immentiately placed, as will be seen by the balance of March 3 I , $18 \div 0$.

In 1838 the charter was renewed for another period of 25 years by royal decree, and the capital increased to $10,000,000$ ilorins, the State recciving and exercising the right of holding 500,000 florins of the increase of capital. The sum to he paid up on each of the new shares was lixed at 115 tlorins, thus bringing the capital and rest nj to $17,000,000$ thorins, at which figure it remained with trifling change up to the expiration of the renewed charter. It appears by the statement made by the Minister of Finaree, in laying before the States-General a bill for the renewal of the charter of the lbank, that the last-named 500 shares lelonging to the state were sold in 18.10 at a premiun of 163,809 thorins 3.5 eents; and the original 1,000 sha: s likewise held by the State were realised in 18. 1 , fetching the surn of $1,610,000$ florins.
liy the mew clarter of $18: 38$, several restrictions existing under the former one were renoved, while on the other hame the Bank lost some of its privileges.
Ep to the year 1852 a striet injunction of secresy :ans imposed and observed; in the lastmentioned year this injuncton was removed, and the publication of some details of the operations of the Isank remered imperative, and of others permissive. The same decree empowered it also to make loans on all boreign Goverument stock: without distinction.

Lastly the eharter was again renewed by Aet of the Legislature in 1803 . The 1,000 smares reserved to the Govermment by the new charter were sold at the priee of $1,9 \cdot 10$ florins per share.

It is alleged that the Bank of the Netherlands has a considerably greater supply of bullion in proportion to its circulation than any other bank.

## Sec. XII.-Banfing in the Untten States.

It has been the uniform practice of the different States of the Union to nllow banks to be established twi the issue of notes, payable in specie on demand. In eases where the liability of shareholders in banks was to be limited to the amount of their shares, they had, previously to 1838 , to be established by Acts of the local legislatures. 13ut, in general, these were easily obtained; and down to a comparatively late pel fod, it may be said that banking was quite free; and that, practically, all individuals or associations might issue notes, provided they abided by the rules laid down for their guidance, and engaged to pay them when presented.

Under this system, the changes in the amount and value of the paper currency of the United States have been greater than in any other country; and it has produced an unprecedented amount. of ba - uptey and ruin.

Bci en 1811 and 1820, about 195 banks, in differ t parts of the Union, became bankript; nrat it is said, in a report by the Secretury of the 'Ireasury of the United States, dated May 12, 15:0, that theso failures, which mostly happened in 1814 ard 1819 , produced a state of distress so general and severe, that few examples of the like had then occurred.

IBut bad as this instance was, it was nothing to that which took place subsequently to 1834. The accounts of the aggregnte issues of the banks differ a littie; but the following statement is believed to we very nearly accurate, viz. :-


Now observe, that this sudden and enormous increase took place under the obligation, which we nre told is quite enough to prevent all abuse, of paying notes on demand. The result was, what most men of sense inust have anticipated, viz. that a revulsion took place, and that every baok within the Union, without, it is believed, a single exception, stopled payment in 1837.

In 1838 sach of the banks as had been best ramaged, and had the largest capitals, resumed payment in specic. But in 1839 and 1840 a farther ernsh took place. And the bank-notes afloat, which, as has been seen, amounted to $149,185,890$ dollars in 1837, sunk to $85,734,000$ dollars in 1842, and to $58,563,000$ dollars in 1843. It is supposed that in this latter erash nearly 180 banks, includincr the Llank of the United States, were totally destroyed. And the loss occasioned, by the depreciation which it enused in the voluc of stocks of all kinds, and of all sorts of property, was quite enormons. And yet, vast as that loss was, it was really tritling, as a writer in the American Almanac has stated, compared with 'the injury resulting to society from the upheaving it oceasioned of the elements of social order, and the utter demoralisation of men by the irresistible temptation to speculation whieh it afforded, ending in swindling to retain ill-gotten riches.'

The evils of tho American system have been agravated by the lowness of the notes which $m_{\text {n }}$ ist banks have issued. This brings them into the hands of retail traders, labourers, and others in the humbler walks of life, who always suffer severely by the failure of a bank.

Siace 1838 and io42, various measures have
been taken in nearly all the States, but principally in New York, to restrain the free action of the banks, and to prevent a repetition of the calanitues referred to.

In New York, for example, the banks have heen divided into two great classes-the incorporated and the free banks. The former, which are incorporated by a State law, have to confurm to certain regulations, and have to eontribute a half per eent. nnnually upen their capital to a security fund, which is devoted to the payment of the notes of defaulting banks. But this is a most objectionable plan; for, in the first place, it does not prevent banikruptcies; and in the second place, it compela the welt-managed banks to contribute to a fund which goes to pay the debts of those that are mismanaged. It has consequently declined in favour, and is now rarely acted upon.

In the other, or free banking systen, all individuals or associations who ehoose to deposit securities (minimum nmount 100,000 dollars) for their payment, are allowed to issuc an equal amount of notes. And this is certainly by far the more efficient as well as the nost popular of the two plans. But it is objectionable, bsenuse, 1 st. A longer or shorter. but always n considerable, period necessarily elapses nfter a bank stops before its notes can be retired; and, 2nd. Because the securities lodged for the notes are necessarily at all times of unce tuin and fluctuating value; while, in periods of panic or general distrust, they becante all but inconvertible. The Sub-secretary of the 'lreasury of the United Stazes has animadverted as folluws on this plan, in a letter dated Nov. 27, 185.l:

- The policy of many of the State governments has of late years consisted in meouraging the issue of small notes, by sanctioning the establishment of what nre popularly called "free banks," with deposits of stocks and mortgarges for the "ultimate" security of their issues. This "ultimatc "security is, it may be admitted, better than no security nt all. The mischief is, that it is least available when most wanted. The very causes which prevent the banks from redeeming their isstes promptly, cause a fall m the value of the stocks anci mortgages on "the ultimate semrity " of which their notes have been issued. The " natimate security" may avail something to the broker who buys them at a discount, and can hold them for months or years; but the labouring man who has notes of these "State security banks" in his possession, finds, when they stop pryment, that " the ultinase security" for their redemption does not prevent his losing twenty-five cents, fifty cents, or even seventy-five ceits in the dollar.
' In a circulating medium we wast something more than "ultimate security." We want alsu "immediate" security; we want security that is good to-day, and will be good to-morrow, and the next day, and for ever thereafter. This security is found in gold and silver, and in these only.'

The above statements are taken from a pmper read by Lord Overstone to the late C mmittee on Banks.

It appears from the Report of the Superintendent of Banking for the State of New York for 1856 that the securities he then held in trust amounted to $39,359,071$ dols., winich were almost wholly lolged by banking associations and individual bankers.

During the year the securities held in trust for the under-mentioned banks that had become insolvent in 1855 were disposed of. But the suins realised by their sale did né: in any case suffice to pay the notes at par, while a period varying from two to four years would have to elapse betore the affairs of the insolvent banks wili be tinally settled.


This statement sets the defective nature of the srcurity system, ns administered in New York, in the clearest point of view, It might, no donlt, be improved byincrensing the proportion of sceurities to notes. But owing to the variety of securiiies that are taken (vi\% all manner of bonds and mortgnges, state, canal, and railwhy stocks \&c. \&c.), natl the uncertainty of their value, a grent deal of risk is always incurred in aceepting them, and they can never form a proper foundation on which to issue notes.

13ut, however desirable, it would, we fear, be visionary to expect that local issues should be suppressed in America, or that her paper currency should be placed on a really sound foundation. But it may, nevertheless, be ensily and greatly improval. Antl, perhaps, this would be best ef-
fected by suppressing low notes, or those for less than twenty dollars, and incrensing the proportion of securities to issues. The rules on which so much stress is laid, in most parts of America, for making the issues of banks depend on the maguitude of their capitals, or the amount of specie in their vaults, are really of no use whatever. They may be and have been eluded and defented in a thousand ways, and serve only to make the pulbic look for protection to what is altogether impotent and worthless for any good purpose.

The following table, from Hunt's Commercial Magazine for March 1857, gives an account of the number and condition of the banks of the United States, as officially reported, in certain years from 183.4 to 1856.

Table of the Secretary of the Treanury, showing the Number of Banks and Branches, with their Capitals, Discounts, Specir, Circulution, and Deposits, in the Union, in the follouing Years, from 1834 to 1856. The last line gives the position of the Bunhs uear January 1, 1856.

| Venrs | Ranks | Capital | Discounts | Sperie | Circulation | Deprosits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\underbrace{8}_{200,016,000}$ | $544,119,000$ | ${ }_{26,514,100}^{S}$ | $91,4 \leq 0,000$ |  |
| 1836 | 315 | $45.51 .875,1 / 19$ |  | 10,1120, 1100 | 141,311, (10) | 115.101010 |
| $1 \times 37$ | 788 | 270,72400 | 62., 116,000 | 37,91,, (\%) | 149,1ผS.(t)(4) | 127.397, imo |
| 184.3 | 611 | 2 $28, \times \times(j 4,0164)$ | $2.51,515,016$ | 3.3.516,int | ©s, sfit,0\%6 | 56, 169,9016 |
| 1418 | 751 | $294,8.53,041$ | 311.477 , (16) | 46,37), 410 | 124,460,009 | 1103,42fi, 010 |
| 18.51 | 879 | $227,8118,1116$ | 113,757, 1870 | 44,67) $1,1(1)$ | 25, $5165,0(6)$ | 128,906, 4170 |
| 1854 | 1,208 | 3111376,000 | 567,398, 100 | 59,110,100 |  | 184, 1 hg , 0 mH |
| 18.5 | ${ }^{1}$ |  |  | $3,935,906$ 39,3150006 |  |  |

Statement showing the Condition of the Banks of the United States in 1855, 1856, 1857, amd 1858.


Iu 1857 another crash took place, and all the lanks in the Union, from the Gulf of Mexico to the frontiers of Camada, agrain stopped payments.
This new crash afforls, had that been necessary, a fresh and striking illustration of the truth of the principles we have endeavoured to establish in the course of this treatise ; and it may be expected to nwaken, if that le possible, the American people to a proper sense of the enormous abuses connected
witl their banking system; nnd the necessity of placing it on an entirely new foundation.
The above account shows that there had been a rapid increase of discounts since 1851 , and that increase was especially great in 1856, and went on augmenting down to August (1857). On the 8th of that month, the discounts and advances by the New York banks amounted to $122,077,252$ dollars, the deposits in their possession being at the samo time $94,436,417$ dollars. This was the maximum of
both.
Compan business so rloing dence, banks certain
was print so reduce October dollars. necessaril those mel banks for stopping Ottober 1 of 41,546 , universal : of these pr There s advances trading, w it is inupor Banker's $D$ and other York, that part at leas allowed at nccounts, o bankers an kecp large b and ill som money-deale questionable interest paya may be truly of tbe least d of wild specu ever any seri the Union $t$ sequences ar disastrous; fo being very resist no ser payment of $n$ n few stop, a cven the bes ruin.

A tendency peculiarities o the liability limited, the d of notes not iss to trust to, $n$ their suspicion selves by with
their notes. their notes. A munies spread may add, that disseminated is trary circumst: by the public i partners to mak

In the city foreign exchan always on hand specic, But th What a small country parts of日at the Union, 0 In illustration of that in June city of New Y returns to have circulation, with than 12,000,000 But at the same
both. On August 24, the Ohin Life and Trust Company, winich carried on an extensive banking business in New York, stopped payments; and by so doing gave a severe shock to credit and confidence, which the suspension of two or three more banks turned into a panic. Notes being in $n$ certain degree seeured, the run upon the banks was prineipally for deposits. And to meet it they so reduced their discounts and advances, that on October 17 they amounted to only $97,245,826$ dollars. This sudden and violent contraction necessarily occasioned the suspension of many of those reercantile houses that had depented on the banks for iliscounts. And it ${ }^{\circ}$ did this without stopping the drain for deposits, which had sunk on Oetnber 17 to $52,894,623$ dollars, being a decrease of $41,546,784$ dollars, in about two months. The universal stoppage of the banks was a consequence of these proceedings.

There seems to be no doubt that improvident advances on the part of the banks, and overtrading, were the main causes of the crisis. And it is inmportant to observe that it is stated in the Banker's Magazine for November 1857 (p. 430), and other works of authority published in New York, that the improvidence referred to was, in part at least, occasioned by the too bigh interest allowed at New York on leposits on current accounts, or at call. This made the opulent bankers and capitalists in the Western States keep large balances at New York; and it tempted, and in some degree obliged, the bankers and money-dealers in the latter to make edvances on questionable security, for the sake of the ligh interest payable on them. A system of this sort may be truly said to forec capital into the honds of the least deserving, and to be a prolitic source of wild speculation and overtraling. And whenever any serious check is given in any quarter of the Union to the process of inflation, the consequences are sure to be in the lnst degree disastrous; for, the greater number of the banks being very ill supplied with specie, they can resist no serions. demand upon them eitlier for payment of notes or deposits; and when one or a few stop, a panic is generated, which involves even the hest managed banks in the common ruin.

A tendency to panies is, in fact, one of the peculiarities of the American system. Owing to the liability of the partners in banks being limited, the depositors in them, fund the holders of notes not issued upon securities, having nothing to trust to, make all imnginable haste, when their suspicions are awakened, to saro themselves by withdrawing their deposits, and cashing their notes. And hence the rapidity with which patnics spread thronghout the. Union; and, we may add, that the slowness with which they are disseminated in this eountry arises from the contrary circumstances, from the confidence placed by the public in the unlimited obligation of the partners to make good all demands.

In the eity of New York, the action of the foreign exchanges compels the banks to have always on hand $n$ very considerable amount of specie. But the reader will hardly believe with What a small stock of coin the banks in the country parts of that state, and generally throughout the Union, contrive to carry on their business. In illustration of this statement, we may mention, that in June 1857 the fifty-six banks in the city of New York are reported in the official returns to have had $8,000,000$ dols, notes in circulation, with an aggregate amount of no less than $12,000,000$ dols. specio in their coffers. But at the same time that the city banks were
in this sitatation the circulation of the 2 ar; country banks then existing in the state is returned at $2 \cdot 1,000,000$ dols., and their specie at oaly $1,200,000$ dols., being only one-twentieth part of their notes afloat. And as these returus give only average results, it follows that, while some of the banks would have more, others would have proportionally less specie than this medium rate.

A notion, indeed, would appear to be gaining gronnd among the banks, in some parts of the States, that when they have given security for their issues, they have done quite enough, and that they may dispense with the tronblesome obligation to pay them on demand. It appears, for example, that in the moral and religious state of Massachusetts there were, on July 7, 1851, no fewer than 135 lanks (excluding those in Boston), which had 6,601,130 dols. of deposits, and notes in circulation amountiag to $13,106,068$ clols., while their specie on hand amounted to only $1,092,463$ dols., or about one-thirieenth part of the circulation. And in other parts of the Union the stock of bullion was still more scanty. Thus, in Illinois, on July 6, 1857, the State Bank, with notes afloat to the amount of 725,000 dols., had, to meet all demands, 61,000 dols, in specie in her coffers; while the Grayville Bank, with a circulation of 471,550 dols., was provided with a supply of 18,951 dols, in specie ; and the Kaleigh Bank, with a circulation amounting to 248,000 dols., had a specie fund of no less than 1,000 dols.! It may be supposed, perhaps, that this would be the minimum amonnt of specic, but no. For some banks (such as the Bank of the Commonwealth, with notes afloat to the extent of 84,915 dols.) were honest cnough to admit that they had a considerable circulation without being enerumbered with a single dollar !

It is evident that a banking system of this sort has no better foundation than a house of cards. It is sure to fall to pieces at the first touch. The frand object of by far the greater number of the bankers is to get their notes into circulation; and as these are often issued for very small sums, cost nothing, and at the same time yield some cight, ten, or twelve per cent, or more, of interest, we need not wonder at the eagerness with which they pursue this olject, or at their success, or the abuses to which it leads. The discount of bills at distnnt dates, and their renewal, make part of the system.

The security system followed in New York, even were it generally adopted, affords no gunrantee against these evils. Instead of preventing, it really tends to encournge, over-issue, and it is impotent to insure a proper supply ol bullion. All that it contemplates is the ultimate pnyment of the notes; but it does not prevent the bankruntey of those by whom they are issued, and we liave seen that it does not accomplish even that ultimate payment which it has exclusively in view. The whole system is rotten to the core; and unhappily, too, $:$ is deeply injurious to all those with whom the Americans have any dealings, as well as to themselves.

Wo are glad to be able to corrobornte our views of these matters by the high authority of a former President of the Upited States. Mr. Buchanan, in his Message to Congress, delivered on December 8,$18 ; 7$, makes the following conclusivo statement: 'The first duty which banks owe to the public is to keep in their vaults a sufficient amomint of gnid and silver to insure the convertibility of their notes into coin at all times and under all cireumstances. No bank ought ever to be chartered without such restrictions
on its business as to secure this result. All other rastrictions are comparntively vain. This is the only true touchstone-the only efficient regulator of a paper currency-the only one which can guard the publie against over-issues and bank suspensions. As a collateral and eventual security it is doubtless wise, and in all cases ought to be rec,uired, that banks shall hold an amount of United States' or state securicies equal to their notes in circulation, and pledged for their redemption. This, however, furnishes no adequate security against over-issues. On the contrary, it may be perverted to inflate the currency; incleed, it is possible by this means to convert all the debts of the United States and state governments into bank notes, without reference to the specic required to redeem them. However valuable these securities may be in themselves, they cannot le converted into gold and silver at the moment of pressure, as our experience teaches, in sufficient time to prevent bank suspensions aad the depreciation of bank-notes.'

It is truly stated by Mr. Buehanan, in the Message now referred to, 'that it is casy to account for our financial history for the last forty years. It has been a history of extravag...it expansions in the business of the country, followed by ruinons contractions. At successive intervals the best and most enterprising men have been tempted to their ruin by excessive bank loans of mere paper credit, exciting them to extravagant importations of foreign goods, wi!d speculations, and ruinous and demoralising stock gambling. When the crisis arriyes, as arrive it must, the banks can extend no relief to the people. In a vain struggle to redeem their liabilities in specie, they are compelled to eontract their loans and their issues; and at last, in the hour of distress, when their assistance is most needed, they and their debtors together sink into insolvency.'

We liave already seen that the real value of cur exports to the United States in 1851; amounted to $21,476,000$. But we have been too mueh in the habit of estimating our commercial prosperity by the magnitude of the exports, which is a most fallacious criterion. We have heard it stated by woll-informed parties, and we believe the statement to be true, that but for the extreme inflation of the banking and credit system of the United States, the imports from England in 18.8 would not have exceeded $15,000,000 l$. or $16,000,000 l$.; and that those from France and other countries would have been reduced in something like the same proportion. And, had such bcen the case, production here would not have been umaturally stimulated, and a fair profit would have been obtained from our exports, whereas they will now entail a large and most serious loss.

Besides the bankruptey and ruin that periodically arise from such a system, it is at all times productive of the greatest inconvenic. : and trouble. Where there are so many separate and intependent banks (about. 1,400 ), the sphere of the intluence and circulation of each is necessarily cireumseribed; and when notes get to any considerable distance from the place where they are issued, especially when they get into a different state, they circulate with difficulty, and generally at a discount. But this is not the only evil by which their circulation is attended. Banks are every now and then suspending payments, or getting into diseredit. And lists are regularly published of such defaulting or suspected banks, and of the rates of discount at which their notes are current, without which no traveller can leave
his house, and no shopkeeper can venture to transact any bnsiness. It is truly astenishing, secing the extreme inconvenience resulting from such a state of things, that it should be tolerated even for a week. If the general Government be not sufficiently stroog to suppress local issues, and to substitute in their stead a national paper issued on deposits of bullion, the public may, if they choose, rid themselves of the evil by refusing to accept payment otherwise than in coil. The banking interest is, however, so very powerful, and embraces so great a number of individuals, that we doubt whether, even with the eo-operation of the general Government, the time bas yet arrived for anything effectual being tone for the amendment of the system. But the longer it exists, the more intolerable will it become; and in the end, no doubt, it will be suppressed. It forms, at present, the most gigantic abuse by which an intelligent people ever permitted themselves to be disgraced and oppressed.

Congress passed an Act, dated February 25, 1863 , by which the privilege possessed by the several states was virtually superseded. The title of this Aet is, 'An Aet to provide $n$ National Curreney, secured by a pledge of United States Stocks, and to provide for the Circulation and Redemption thereof.'

The Act provides a new officer, called the comptroller of the currency, who is nominated by the secretary of the treasury for 5 years, subject to tlie approval of the president and senate. This officer is bound to make an annual financial report. The immediate object of the department is the circulation and redemption of the legal tender greenbacks; the indirect effect is the extinetion of the States banks, and the establishment in their stead of national banks. Danks known by the name of national banks may now be founded by not less than five persons, whe are bound to lodge duly legalised certificates with the public officer, specifying the name of the company, its place of business, the anount of its capital, which must not be less than 50,000 dollars in towns under 10,000 inhabitants, and in towns above that number, than 100,000 ; the names and residences of the shareholders, with the number of shares subscribed for by each, 30 per cent. of which must at least be paid up; and lastly the date nt whitlt the operations of the bank are to commence.

The comptroller, when he is satistied that these conclitions have been fulfilled, gives the proper authority to the company, under which they commence their operations. Iho company is bonnd to forward a certain amount of United States bonds to the treasury, in exchange for which they receive 'currency circulating notes in blank' registered and comntersigned to 90 per cent. of the bonds deposited. The aggregate amount of these notes shall not exceed $350,000,000$ dollars, $150,000,000$ of which are circulated by the bank, the rest by the secretary of the treasury. The notes are $\tilde{t}, 10,20,100,500$, and 1000 dollats. The banks, in lien of taxes on their circulation, pay l per cent, on the notes issued to them at the returns of July 1 and Jan. 1, 2 per cent. being recoverable in default.

The notes are receivable at par for taxes, excise, land sales, and all public debts, except customs and dividends on United Stntes stock. Banks which fail to meet their obligntions after protest mado by creditors before a notary, are suspended by the comptroller, and the guarantee bonds forfeited. These are sold by public anction at New York, after thirty days' notice, and the creditors reimbursed.
Each bank must be managed by from five to
nine
reside necoriing to c. 92, and paid into $t$ and vested The last-me payable to that payable ner annum being intend management more than 3 a savings $b$ deposits to not to exce and compon standing in amotint to 20 such deposit The commiss debt lave the public funds
'lhis syster November, 1 incltuding inte It firther ap
nine directors, all citizens of the United States, resident more than a year, and each possessed of 1 per cent. of the capital, or, in case it exceed 200),000 dollars, of 10 per cent. A bank must always possess to the nmount of one-ibourth of its circulation deposits in lawful money. The bank must not pledge its own stock in order to procure epecie or notes.
lanks are required to make a detailed statement of their atiairs at the beginning of each quarter, and a statement of their average cirenIation, deposits, lawful money, and balances available for the redemption of their crrculating notes, at the beginning of each month. It is urged by the comptroller that this quarterly return is insufficient, and that it would be desirable that a full exhibit of the alliairs of ench bank should be required on the tirst Monday of ench month. The first national bank was organised on June 20 , 1863.

On Jan. I, 1863, there were 507 Eastern banks, 491 in the Mliddle states, 147 in the Sonth-east, 114 in the Suuth west, 207 in the North-western states-1,466. For nine years precedent and 1851 , there were the following:-

| Jan. 1. |  |  | Jan. 1. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $1 \times .1$ | - - | $8: 9$ | 1858 | - | 1,122 |
| $1 \times .54$ | - - | 1,244 | $2 \times 59$ | - | 1,174 |
| 1853 | - - | $1.0+17$ | 1860 | - - | 1, 112 |
| 18.5 | - - | 1,518 | 1861 | - - | 1, 1 ill |
| 1857 | - | i, 4tis | 1862 | - . | 1,110 |

On Jan. I, 1863, the capital was $405,000,000$, the circulation $238,000,000$, the deposits $393,000,000$, the specie $101,000,000$, of dollars.

In October, 1867, the number of national banks was 1,639 , with a capital of $424,394,861$ dols., having boads on deposit, $340,675,000$. The circulation of legral tender paper was $296,103,996$.
Bet ween June 20, 1863, and Oct. 1, 1867, only ten of these banks have failed, with labilities to the public of $4,560,000$ dols. The liquidation of these banks has led to the loss of only $1,000,000$ dols. (Mr. Holland's Report, Dec. 181it.)

## Sec. XIII.-Banks for Savings.

Banks established for the receipt of small sums deposited by the poorer class of persons, and for their accumulation at compound interest. They are managed by individuals who are supposed to derive no benelit from the deposits. All moneys paid into any savings bank established uccoriting to the provisions of the Acts 9 Geo. IV. c. 92 , and $7 \& 8$ Vict c. 83 , are ordered to be paid into the Banks of England and Ireland, and vested in Bank annuities or Excheque: bills. The last-mentioned statute reduced the interest payable to the trusters of banks to 32.5 s ., nud that payable to depositors to 31.0 s .10 d . per cent. per annum: the diflerence of 4 s .2 d . per cent. being intented to form a fund to defray the cost of management \&c. No depositor can contribute more than $301 .$, exclusive of compound interest, to a savings bank in any one year; and the total deposits to be received from any individual are not to exceed 150l; ; and whenever the deposits, and compound interest aceruing upon them, standing in the name of any one individual, shall amount to 2002 ., 110 interest shall be payable upon such deposit so long as it shall amount to 2001. The commissioners for the reduction of the national debt have the disposal of the sums vested in the public funds on account of savings bunks.
'This system legan in 1817; and on the 20th of November, 1857, there was due to depositors, incluhbing interest accruing on deposits,35,2i55,722l. It farther appeurs that from the tith of August, 1817 , down to the 20th of November, 1857, the
public paid on account of interest and clarges on the sums due to savings banks and triendly societies under the Act referred to, 28,852,013l. $8 s .5 d$., and that the dividends receivel during the same perisel on the stock and other public securities in which the commissioners fur the reduction of the national delt invested the said sums, amounted to $26,077,961 \mathrm{l}$. $19 \mathrm{s}$.2 d ., leaving a balnuce of $2.774,0511.9 \mathrm{~s} .3 \mathrm{~d}$., which consequently may be said to be the sum which the system has cost the public. (Parl. Paper, No. 441, sess. 1858.) The reduction of the interest on deposits in 18.14 from $2 \frac{4}{4} d$, to $2 d$. per cont. per diem contributed in some degree to diminish the loss to the public. But it is mainly owing tw the circumstance that the contributions to savings banks, and consequently the investments on their account, are greatest when the country is prosperous and the funds high; and that the deposita are principally drawn out under the opposite circumstances, or when confidence is shaken and the funds are low. But, after all, the loss to the public is not very considerable; and it does not seem too great a price to pay for the maintenance of so advantugeous a system.
That this is a true statement may be easily shown. In the metropolis, and many other parts of lingland, public banks do not receive smail deposits, and until recently they did not pay any interest on them. And even in Scotland, where the public banks allow intercst upon deposits, they to not generally receive less than $5 l$. or 101 . Ihat few poor persons are able to s. a even this much, except by a lengthened course of economy. The truth, therefore, is, that until savings banks were established, the poorer classes wero everywhere without the means of securely and protitably investing these small sums they are not unfrequently in a condition to save, and were consequently led, from the diffienlty of disposing of them, to nerlect opportunities for making savings, or, if they did make them, were tempted, by the offer of high interest. to lend them to persons of doubtf:? characters and desperate firtunes, by whom they were for the most part squandered. Under such circumstances, it is plain that nothing could be more important, in the view of diffusing liabits of forcthought and economy amongst the labouring chasses, than the establishment of savings banks, where the smallest sums ure accumulated at compound interest, and are paid, with their accumulations, the moment they are demanded by the depositors. The system has not yet received its full development. The want of perfect security operates as a serious drawback to its extension ; but the magnitude of the deposits already received sets its powerful and salutary operation in a very striking point of view.

Savings banks are now regulated by the Act of 1863, 23 \& 24 Vict. c. 87 , and the various sections of the previous Acts which that statute left unrepeated. These are $\mathbf{3} \& \mathrm{dWm} .1 \mathrm{~V} . \mathrm{c} .14 \mathrm{ss} .21$, $22,25,28,29,30,31,32,33,34 \& 35$, and $17 \& 18$ Vict. c. 20, sec, 2 only of which is repealed.

Purchase of Government Annuities by lepositors in Savings Banks.-The Act 2 \& 3 Win. 1V. c. 14, under the proyisions of which depositors in savings banks were allowed to purchase Government annuitics, was subsequently amended by the $7 \& 8$ Vict. c. 83 , which Acts were afterwards consolidated and amended by the 16 \& 17 Vict. c. 45; and the facilities for the purchase of such anntities were extended by the 27 \& 28 Vict. c. 43. 'I'hat these measures were benevolently intended, and that they may be productive of advantage to many individuals, cannot be doubted;
but we look npon all attempts, and particularly those made by Governuent, to get individnals to exchange capitn for anmuities, as radically objectionable, aud as being subversive of principles which oupht to be strengthened rather than weakened. [Funds; [ntelest and Annuties.]

Sec. 6 of the $27 \& 28$ Viet. c. 43 requires the construction of fresh tables of the amnitics and insura:ces contemplated by the Act; and s. 14 empowers the Postmaster-(ieneral to authorise his otticers to reecive the moneys payable under the Act and under the $16 \& 17$ Vict. c. 15.

Persons desiring to purchase annuities or to effect insuramees should apply or a proposal form at une of the post offices opened for the purpose Instructions as to the mode of tilling uip the form are printed on it.

This serious defect and the constant defalcation of the trustees of savings banks led to the introduction into Parliament of a mensure to remedy the evil by the establishment of Government savings bauks, pledging the security of the state to depositors, and the Aet of 1861, 4.4 Viet. c. 14, known as the Post Office Savings Bank Act, was passed with this object.

## General, Post Office Sav́ngs Bank.

The 24 \& 25 Viet. e. 14 extends the facilities for the deposit of small savings, by making the Gencral l'ost Office available for the purpose, and affording the direct security of the state to every
depositor for the repayment of all money deposited, together with the interest due thereon.

Before the post office savings banks were established, 638 savings banks (in which number penny banks are, of course, not included) were open in the United Kinglom for the receipt of small savings. Of these, 355 were open but once in each week, 54 were open but once in each furtnight, several were open but onee a month, and only 20 were open daily. Since the establishment of the 3,064 post office banks, all of which are open daily, the duration and the frequency of the term for business have been increased at many of the old savings banks. On the other hand, the trustecs of many of the old savings banks have either closed or signiffed their intention to elose tho institutions under their control, in the belief that the post office banks afford the public a sufficient amonnt of accommodation.
The following statement gives the proportion of savings bank depositors to the whole population of the kinglom at each of four decemial periods, and shows that the rate of increase in the number of such depositors has, throughout the last 30 years, been greater than the rato of increase of population:-

The following Table is appended in Illustration of the Condition of the Post Office Savings Banks on March 31, 1864.

| Countrica | Number ar Depositors* Aecounts to March 31 1861 |  |  | Deposits |  | Withdrawals |  | A mount of Halances remainine at Ciredit of Depowtory' Accounts |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Opened | Closerl | Remain. ing Oben | Number | Amount | Nunber | Amount |  |
| Fogland | $\begin{array}{r} 40 \pi, 5150 \\ 11,713 \end{array}$ | $\begin{array}{r} 76,211 \\ 3,162 \\ \hline \end{array}$ | $\begin{array}{r}327,316 \\ 11,551 \\ \hline\end{array}$ | $\begin{array}{r}1,355,202 \\ 65,420 \\ \hline\end{array}$ |  | $\begin{array}{r} 315,595 \\ -8,961 \end{array}$ | 8 3 8. <br> $1,652,081$ 6 3 <br> 53,495 12 6 | 5 8. $d$. <br> $3,701,176$ 4 6 <br> 121,1029 13 4 <br> 3,141   |
| England and Wales - | 418,273 | 79,346 | 33:- \% : 7 | 1,621,622 | 5,526,575-167 | 321,559 | 1,703,369 18 9 | 3, K21, 21151710 |
| Jtaurls - | 929 | 19.3 |  | 3,797 | 10,829 3 1 | 879 | 5230170 |  |
| Scealand : Ireland | 23,189 18,915 | 4,015 4,265 | $18,6,83$ $14,6, \ldots$ |  | $\begin{array}{llll}168,113 & 11 & 11 \\ 249966 & 3 & 1\end{array}$ | 16,126 16.212 | 611,512 1 10  <br> 69.1 9 19 0 | $\begin{array}{lrr} 107931 & 12 & 8 \\ 100,756 & 4 & 4 \end{array}$ |
| 'lotal | 461,505 | 88,550 | 37296 | 1,195,171 | 5,955,77417 9 | \% $5.57,176$ | 1,nsx,29\% 167 | $4,067,19212$ |

Out of the $7,000,0001$. paid into the post office savings banks since their establishment in 1861, only $1,100,0001$, has been transferred from the older savings banks; thus it is obrious that the post oflice banks have created an almost entirely new business.

## Seamen's Samings Bank.

With a view of inducing provident halits in the seamen and their families, and of proviting for the safe custody and increase of their savings, the legislature has passed an Act empowering the Loardof 'Trade to estabishl savings banks at suitable places within the United Kingtom for the benefit of seamen belonging to the mercantile marine, as well as their wives and families, the management and control of these bunks being vested in the Board of Trade. Under the provisions of the Merchant Shipping and Scamen's Sarings Bank Acts a department has been established in Lomlon at the Board of Trade as the Central Savings Dank, where all accounts of the depositors are kept. The shipping masters at the several ports are to act as its rgents to reeeive and to pay deposits.
The Regimental Savings Banks are conducted under the War-Oflice, and those for the seamen of the Royal Navy under the Admiralty.

BANERUPT and BANKRUPTCY. In the gencral serse of the term, bankrupt is equivalent to insolvent, and is applied to designate any individual unable to pay his debts. Formerly in the law of England binkrupts formed that partienlar elass of insolvents who were engaged in trate, or who 'sought their living by buying and selling,' and who were dechred, upon the oath of one or more of their ereditors, to have committed what the law had lefined to be an act of bankruptey. But the distinction between trailers and non-traders was in most respects abolished by the Act of 1861 , the $24 \& 25$ Viet. c . 134 . At present, however, we shall merely lay before the reader a few observations with respect to the prineiples and leading provisions embraced in the law as to bankruptey and insoivency; referriug to the article insolvency and Bankiulitey for some further observations on the subject.

All elnsses of individuals, even those who have least to do with industrious undertakiugs, are exposed to vicissitudes and misfortunes, the occurrence of which may render them incapable of making good the engagements into which they have entered, and render them bankrupt or iilsolvent. But though bankruptey be most frequently, perhaps, produced by uncoutrollable
crases, it
Winit memac mate of sometime frequent1
litith. B ther by $t$ the indiv as a very in enteri mises, wh being abl the mone him, or th handa in an expen nary ineor system of expeet to ruptes. on a syst tracting d that, in tr they had, in paymen culty of de when they able specu baukruptei way invol should be as the cir are often difficult to any geners hence it is ruptey hav enuntrics a not, perliap ugainst whi be made.
The exec with respec cording to $t$ the Twelve culogised ( insolvent d formalities, taking a sha debt; and t this horrible the debtor to selh him, his trans Tiber fathers the ments on th ferocious an Romans.
There is historians o debtor ever this barbaro repablic is if some of wh that were oc given to ere subjecting t law, howeve of liome 427 the Twelve' then enactel cease to be that the lat scize upon t auction in : subsequent s
causes, it is frequently also produced by persons living beyond their means, and by their repugnance to make those retronchments which the state of their affairs imperatively demands; and simetimes and, we regret to have to add, not unfrepuently, bankruptey originates in fraud or bad fitith. But, however it may be occasioned, whether by the misfortunes, the folly, or the frame of the individual, it ought, primâ facie, to be viewed as a very grave moral offence. No man is justitied in entering into engagements, or making promises, which he has not it reasonable prospect of being able to fultil; nor is he justilied in applying the money or loans that may have been nade co him, or the property that may have come into his hands in the course of bis business, to maintain an expendituro that decidedly exceeds his ordihary income or protits. 'Ihose who persevere in a system of this sort cannot, if they thiuk at all, expeet to arrive at may goal other than bankraptce. They nust know that they are carrying on a system of deception; that they are contracting delts which they can wever pay; and that, in truth, they aro as really swindlers as if they had offeral tictitious bills or dock-warrants in payment of their bonds. And hence the difficulty of dealing with this subject. Misfortuncs, wheu they really oceur, or the failure of reasonuble speculations, are casily dealt with; butall bankruptcies not at once accounted for in that way involve serious grouuds of suspicion, and should be thoroughly sifted. Inasmuch, however, as the circumstances which end in bankruptey are often of a very complicated character, ind dilficult to disentangle, it is not casy to lay down any general rules for dealing with them. And hence it is that the laws with respect to bankruprey have differed very witely in different countries and periods of society, and that it is not, perhaps, possible to suggest any system against which pretty plausible objections may not be made.

The execrable atrocity of the early Roman laws with respect to bankroptcy is well known. According to the usual interpretation of the law of the I'walve Tables, which Cicero has so much eulogised (De Orat. lib. i.), the creditors of an inswlvent debtor mirht, after some preliminary formalities, cut his body to pieces, each of them taking a share proportioned to the amount of his delit; and those who did not choose to resort to this horrible extremity were authorised to subject the debtor to chains, siripes, and hard labour; or to sell him, his wife, and children, to perpetual slavery trans Tiberim! This law, and the law giving fathers the power of inflicting capital punishments on their children, strikingly illustrate the ferocious and sanguinary character of the early Romans.

There is reason to think, from the silence of historians on the subject, that no unfortunate debtor ever actually filt the utmost severity of this barbarous regulation; but the history of the republic is full of necounts of popular commotions, some of which led to very important changes, that were occasioned by the exercise of the power siven to creditors of enslnving their clebtors, and subjectiug them to corporal punishments. The law, however, continued in this state till the year of home 427,120 years after the promulgation of the 'Iwelve Tables, when it was repealed. It whs then enacted that the persons of d.btors should cease to be at the disposal of their creditors, and that the latter should merely be authorised to seize upon the debtor's goods, and sell them by anction in satisfaction of their clains. In the subsequent starges of Roman jurisprudence farther
changes were mate, which seem generally to hava leaned to the side of the debtor; and it was ultimately ruled that an individual who had become insolvent without having committed any fatud should, upon making a cessio bonornm, or a surrender of his entire property to his ercditors, be entitled to an exenpption from all persomal penalties. ('Lerassou, Mistoire de la Jurisprudence Romaine, p. 117.)
The law of England distinguished, down to a late period (1861), between the insolvency of persons engagred in trude and that of others, the former being treated with comparative indulsence. But despite tbe elaborate rensonings of blackstone in its favour (Comment. book ii. ch. xxxi.), there were no really good grommes for this preference. Vast numbers of traders found their way into the Gazette without being the victims either of accidental losses or unavoidable contingencies. All that was most revolting in the worst cases of insolvency was equalled or surpassed by many of the cases in bankruptcy. Recklessness, improvidence, and the obtaining of loans or alvances under false pretences, are as common in one class of society as another; and though this were not tho case, the classes excluded from the benefit of the Bankruptcy Acts liad is encounter as many risks as the others. There are few trades so hazardous as that of a farmer, and yet if he became insolvent ho was not entitied to the same privileges he would have enjoyed had he been the keeper of an inn, or a commission agent! The injustice of this distinction is obvious; but, without dwelling upou it, it is clear that discharges, which were not given to insolvents, should be granted indiscriminately to all honest debtors. Being relieved from ail concern as to his previous incumbrances, an insolvent who has obtained a discharge is prompled to exert himself vigorously in future, at the same time that his friends are nut deterred from coming forward to lis assistance. But no one, however favourably disposed, could venture to aid an insolvent who continued liable to his previous debts with a loan; and he was discouraged, even if he had means, from attempting to earn anything more than a bare livelihood; so that, while creditors did not, in one case out of a hundred, gain the smallest sum by this constant liability of the insolvent, his energies and usefulness were for ever paraly ;ed. We, therefore, are glad that the distinction between bankruptey and insolvency has been practically abolished. Every case of a failure to meet une's eugagencits should be tried on its own merits. Improvidence, extravagance, and bad faith are equally objectionuble in the case of traders and non-traders, and should be dealt with in precisely the same way.

The law of Bankruptey is administered by a Court which sits in London, and by district courts in Manchester, Birmingham, aud other large towns. The County Court Judges have also the powers of Commissioners of Bankruptcy; and may act as such.

The Acts which constitute what are called a bankruptey are specitied in clauses $70-85$ of the Act 25 \& 26 Vict. c. 134. They all involve either an inability or a disinclination to pay one's just delts. They consist principally of ailowing oneself to be imprisoned for a lebt, a trader for fourteen days, and a non-trader for two months; going or escaping nbroad with intent to defrand ereditors; tiling a declaration of inability to meet one's engagements; suffering executiou to bo levied by seizure and sale of goots; traders executing a conveyance of their property to trustees for the benelit of the creditors \&e.

An adjudication ol' bankruptcy takes place upon
the debtor or a creditor to the extent of 501 . presenting in petition to the comrt, which, on proof of the statement, adjudges the debtor a bankript. An oflleind nssignee is then appointed by the court to nseertain nud take care of the debtor's property The crediturs also appoint an ussignee, and the proceedings then take place which are specified in the Aet, clauses 86-225, fur realising and rateab'y dividing the property of the bankrupt among the creditors, or for otherwise winding up and terminating the bnnkruptey.

Upon the bankrupt passing his last examination under the stntute, the court appoints a meeting for considering whether $n$ discharge should be granted to him, nnd the conditions under which it should be grnnted. Formerly discharges or certiticates were of three kinds, bint these distinetions are now abolished. The court is authorised, necorling to the estimate which it forms of the conduct of the bankrupt, to suspend his discharge, with or withont protection from arrest, for such term as they may think fit, stating in the discharge the reasons for sueh suspension, and whether le has been imprisoned under the provisions of the Act. It is left to the creditors to determine whether any, and if any, whit allowance shall be made to a bonkript out of his estate.
And it is lurther enacted, that any bankrupt ' who has carried on trade by means of fictitious enpital, or who could not have had, at the time when any of his debts were contracted, any reasonable or probable gromed of expectation of being rble to pay the snme, or that, if a trader, he has, with intent to conceal the true state of his nffairs, wilfully omitted to keep proper books of aecount, or, whether trader or not, that his insolvency is attributable to rash and hazardons speculation, or unjustitialle extravagance in liviug, or that he has putt any of his creditors to unncecssary expense by frivolous or vexatious defence to any aetion or suit to recover nny debt or money due from him, the court may either refuse an order of diseliarge, or may suspend the same from taking effect for such time as the court may think fit, or mny grant an order of discharge subject to any condition or conditions tonching any salary, pay, enoluments, protits, wages, earnings, or income, which may afterwards become due to the bankrupt, and touching nfter-acquired property of the bankrupt, or may sentence the bankrupt to be imprisoned for any period of time not exceeding onc vear from the date of such sentence.'

Bit, despite these and other penalties embodied in the Act, we are strongly impressed with a conviction that bankruptey is treated in this country witlı too much indulgence. The offences specified in the Act are mostly of a very grave character, and some of them deserve to be very severely treated. But it so happens that it is often very difficult to establish by the evidence of witnesses some of the least justifisble and most common causes of bankruptey, such as extravagant living, which is its great source, improvident speculation, and so furth. And we doubt whether any such evidence should be required. Bankruptcy, or the failure of individuals to fulfil their engagements, is, and sliould be considered a very serious offence. But, like other offences, it is of various degrees of magnitude, nud may arise from very different causes. There is a wide difference between bankrupts who pay their creditors 10 s., 15 s ., or 18 s . per pound, and those who pay them only $1 s$. or $2 s$. per litto, and it is not reasonable that they should be treated in the same way. Innumerable necidents and disappointments may occur to hinder a man from me.ting his engrgements; but if he have lived within his income and properly proportioned
his speculations to the extent of his enpital, it is ditlicult to see how he should be unable to pay a dividend of less than 10 s . or 12 s . per pound on bis delits. And supposing this to be n correct view, it might he safely enacted that all bankrupteies in which the estates realised less than 10 s . per pound of dividend should ipso facto be held to be fraudulent, or cansed by improper proceedings on the part of the bankrupts; and that they should be dealt with aecordingly, unless they succecded in satisfactorily establishing the propricty of their conduct. In cnses where the dividend exceeded 10 s , it might, as at present, bo left to the creditors to arraign the proceedings of the bankrupts in opposing their discharge.

We do not well see how a system of this sort could be justly objected to. Those who mnke improvident speculations, or who pursue a line of conduct which involves them decper and deeper in debt and difficulties, cannot fail to know that they must necessarily become bankrupts; and, if they only injured themselves, few would regret the hardships which they might suffer. But they are sure to injure others- the savings on which the industrious and frugal had to depend being often squandered by the most unworthy parties, and on the most unworthy objects. Bankruptey, when not oceasioned by uncontrollabl: or un-looked-for causes, is, in truth, a great crime. Individuals who systematically contract debts which they have no reasonable prospect of being able to pay-who, to olstain lonns, misrepresent the trte state of their affairs, and pervert them, when obtnined, to spendthrift or dishonest purposes-are one of the worst varieties of swindlers. And the vast extent to which bankruptey is carried, the extravagance and bad faith of many bankrupts. and the frequent non-existence and inconsiderable amount of the dividends, show the extent and malignancy of the disease, and the propricty of taking meacures for its abatement.
The policy of imprisoning for debt, when nothinf unfair or improper is involved in its contraction, is not a little questionnble. Notwithstanding the deference due to the nutherities who have vindicated this practice, we confess we nre unable to discover anything very cogent in tho reasonings advanced in its favour. Pruvided a person in insolvent circumstnnces intimate his situation to his creditors, and offer to make a voluntary surrender of his property to them, he has, supposing he has acted honestly, done all that should be required of him, nud ought not to undergo any imprisonment. If, indeed, he have deceived his creditors by false representations, or have grossly misconducted himself, or have endeavoured to convey away any part of his property, then, undoubtedly, he shonld be subjected to the pains and penalties attached to swindling; but when such practices are not alleged, or cannot be proved, sound policy, we apprehend, would dictate that creditors should have no power over the persoas of their debtors, and that they should be entitled only to their effects. The maxim carcer non solvit is not more trite than true. It is said that the fear of imprisonment operates as a cheek to prevent persons from getting into debt, and so no doubt it does. But then it must, on the other hand, be borne in mind, that the power to imprison tempts individuals to trust to its influence to enforee payment of their claims, and makes them less cautious in their enquiries as to the condition and circumstances of those to whom they give caedit. The carelessness of tradesmen, and their extreme earnestness to obtnin custom, are, more than anything else, the great causes of insolvency,

BANKR
and the power and enconrag ant individusl which he is $u$ speculation. done so, be all If he wished should not ha with him onl tions are, on voluntary; nn a debtor who representation only to blame.

It is pretty prisonment in

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Number of adjudic
On petition of a
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On peltions in Number of adjudict exceeded Mun. Number whera the Diwharge grantied suypend
refused
Cotal amaunt of gT bunkrupts extalen Tot al anount realis Number of caves $\ln$

The Acts of Pn is alministered explained by 20 by 23 \& 24 Vict Bunkruptcy and Bunkruptcy in ruptey is genera before the Act ol traders and non the same judges and insolvency.
The following returns, give th bet ween hopril 11 the rates of comp
Number of Comp position paid be 11, 1866.

| Sumber of leeds | Rate pir Pound |
| :---: | :---: |
| 2 |  |
| 14 | 06 |
| 1 | $0{ }^{1}$ |
| $\frac{1}{2}$ | $\begin{array}{ll}08 \\ 0 & 8 \\ 0\end{array}$ |
| 142 | 10 |
| $\underline{4}$ | 13 |
| $31^{2}$ |  |
| 11 1 | 16 1 |
| 117 | 20 |
| 1 | 21 |
| $29 \%$ | $\begin{array}{ll}2 & 3 \\ 4 & 6\end{array}$ |
| 1 | 48 |
| 1 | 210 |
| 86 | 30 |
| 11 | $\begin{array}{ll}3 & 1 \\ 8 & 4\end{array}$ |
| 17 | 36 |

BANKRUPT AND BANKRUPTCY
and the power of imprisoning merely tends to foster nind encourage these habits. If a tradesman trust an individual with a loan of money or goods, which he is unable to pay, ho has made a bad speculation. But why should he, beenuse he has done so, be allowed to arrest the debtor's person? If he wished to have perfeet security, he either should not have dealt with him at all, or dealt with hion only fur rendy money. Such transactions are, on the part of tradesmen, perfectly voluntary; and if they place undue conlidence in a debtor who has not misled them by erroncous representintions of his affiairs, they have themselves only to blnme.

It is pretty evident, too, that the efficney of imprisonment in deterring individunls from running

BARCELONA
into deht has been greatly overrated. Insolvents who are honest mist have suffered from mistortune or been disappointed in the hopes they entertained of being alble, In ono way or other, to di acharge their delits. The fenr of impriss.nment did not greatly influence such persons; for when they contracted lehts, they had no doubt of their ability to pay them. And though the imprisonment of bona fide insolvents be abolished, it eonla give no encouragement to the practices of thoso who entleavour to raise moncy by false representiations; for these are to be regarded as swindlers, and ought as such to be subjected to adeppate punishm nt. [CuEint.]

The fullowing return sets these stritements in the clearest puint of view:-

Return for the Year ending October 11, 1863, of Judicial and Financial Mfatters transacted under (Farl. Paper, No. 31, Sess. 1864) the Bankruptey Act of 1861.

|  | Im. <br> District Court | Country District Courtu | Counif Courta | Total |
| :---: | :---: | :---: | :---: | :---: |
| Number of adjudirations of hankrupley | 2,919 $\mathbf{y y}$ $\mathbf{2}, 6$ | 1.672 | 3,819 | 8,471 |
| itm petition of a creditor - | 216 | 315 | ${ }_{3}^{8.3}$ | 6781 |
| On petition of the debtor - | 2,117 | 1,0099 | 3,03.3 | 6,146 |
| Hy registrars at the prisona On witiong In formin pauperis | 196 490 | 115 13 | 4.56 | 667 <br> $\times 0$ |
| In jadmment delitor sumnions | 5 | - | - | 5 |
| Number of adjudications where the debts of the bankrupt exceeded 3uily. | 1,68,3 | 1,657 | 154 | 3.524 |
| Number where the debts did not axceed 300. : | 1,266 | 1.6 | 3.665 | 4,916 |
| Diwharges granted * - | \%,347 | 1,38) | 3,15 | 6,ibt |
| $\begin{gathered}\text { asspended } \\ \text { refused }\end{gathered} \quad: \quad$ - | 118 | 98 3 | 111 | 188 |
| Total amount of gross produce zealised from the several | $\underline{8}$ \% d. | $\pm$ d. d. | $\leqslant$ s. ${ }_{\text {d }}$ | $\boldsymbol{\varepsilon}$ d. |
| binkruptu' estates ${ }^{\text {b }}$ | 185,185 143 | 454.481 17 5 | 51.990 1711 | 694,508 9 is |
| Tict enount realised by creditars' a aljunees: | 121,043 3.3 | 247,605 | 11,760 12 at | $42^{3}, 1413111$ |
| Total minount realised liy official askignees ${ }^{\text {a }}$ ( | 61,1041110 | 175,746 9 | $43,630 \quad 56$ | $475,157{ }^{5} 9$ |
| Number of cases la which a dividend was made there wa. no dividend | 2,786 | 541 | ${ }_{1}^{3314}$ | 5,996 |
| , | 2,786 | 1,139 | 1,712 1.37 | 5,631 4.39 |
| a. d. ${ }_{\text {a }}$. d* |  |  |  |  |
| 26 and under 30 | 34 | 137 | 111 | 231 |
| 5 0 $\%$ 7 | 14 | 81 | 41 | 136 |
| $7 \mathrm{~s} \quad \because \quad 100$ | 5 | 40 | 16 | 41 |
| $\begin{array}{lllll}11 & 0 & \# & 15 & 0 \\ i 1 & 0 & & 20 & 0\end{array}$ | 7 | 17 | 11 | 1.3 |
| 2110 0 - 20 | 5 | 9 | 11 | 20 |

The Acts of Parliament under whieh bankruptey is alministered in Scotland are 19 \& 20 Vict. e. 29 , explained by $20 \& 21$ Vict. c. 19, and amendel by 23 \& 24 Viet. e. 19. (Mr. Murdoch's Law of Bankruptcy and Insolvency.)
Bankruptey in Ireland.-The Irish law of Bankruptey is generally identienl with that of England before the Act of 1861. The alistinction between traders and non-trnders is still retained, though the same judges ndjudicate in cases of bankruptey nul insolveney.
The following tables, extract from official returns, give the nunber of deeds registered bet ween $h$ pril 11, 1865, and April 11, 1866, with the rates of composition paid :-
Number of Composition Deeds and Rates of Composition paid between April 11, 1865, and April 11, 1866.

| Number of 1 leeds | Rate per | Number of lleeds | Rate per Ponnd | Number of 1)eed. | $\begin{aligned} & \text { Rate per } \\ & \text { Yound } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | fi ${ }^{\text {d }}$. |  | ${ }^{3}$ d. |  | a. ${ }_{\text {d }}$ |
| ${ }_{1}^{2}$ | 吕 | 1 | 311 | 245 | 110 |
| 14 | 11 0 0 8 | 11 | $4{ }_{4} 18$ | 1 | 103 |
| 1 | 0  <br> 0  <br> 10 8 <br> 8.  | 1 | 418 | 19 | 10 11 11 0 |
| 2 | 0 0 0 | 1 | 43 | 1 | ${ }_{11} 6$ |
| 142 | 111 | 10 | 15 | 25 | 120 |
| ${ }^{6}$ |  | 528 | 59 | $\stackrel{4}{3}$ | 12 11 |
| $3{ }^{2}$ | 16 | , | ${ }_{5} 51$ | , | 131 |
| 11 |  | 4 | ${ }_{5}^{5} 1$ | 9 |  |
| 117 | 4 1 <br> 4 1 | 4 | 5 5 5 | $3{ }^{9}$ | 14 150 |
| ${ }^{2}$ | ${ }_{4}{ }^{4}$ | 60 | $\begin{array}{ll}6 & 0 \\ 5\end{array}$ | $y$ | 160 |
| ${ }_{3}^{99}$ | 4 4 8 8 | 91 | $\begin{array}{ll}5 & 6 \\ 6 & 8\end{array}$ | 1 | 16 6 |
| 1 | \% 11 | 37 |  | 2 | $1{ }^{10}$ |
| 86 | 3 3 3 | 10.5 41 | 76 80 | $\frac{1}{3}$ | 19 19 19 |
| 11 | 3.4 | 11 |  | 126 |  |
| 17 | 36 | 1 |  | 2, $3 \times 2$ |  |

Number of Deeds registered between April 11, 1865, and April 11, 1866.


Bankruptey is considered in France as simple and fraudulent, bankruptcy being distinguished from insolvency.
The French law of bankruptey in its characteristic particulars has been admitted into many lurcpean countrics, and appears to make promress. Thnt of the United States agrees generally with the English law of 18.19 , which, as we have seen, is stricter than the present law of England.

BARCALAO or BACALAO. The Spnnish name for cud.

BARCELONA. The capital of Catalonin, and the principal town of Spain, on the Mealiterranean, lat. $41^{\circ} 22^{\prime} 58^{\prime \prime}$ N., long. $2^{\circ} 8^{\prime} 11^{\prime \prime} \mathrm{E} . \quad$ It is a strongly-fortified, well-built city. The popuIntion, which has rapidly increased, amounted, in 1857, to 242,015. Bnreelona is eminently distinguished in the history of the middle ages for the zeal, skill, and success with which her citizens prosecuted commercial adventures at a very early period. She would seem also to be entitled to the honour of having compiled and promulgated the
tinnons code of naritime law known by the name of the Consolato del Mare; and the carliest authentie notices of the practice of marine insurance and of the negotiation of bills of exchange are to be found in her anmals. For proofs of this, see Insumanef, Mahtime Laiv, de. The Memorias Ilistoricas sobre la Marina, Comereio S.c. de Bareelona, by Capmany, in 4 vols. 4 to. is one of the most valuable and anthentic works on the commerec, arts, and commercial and maritime legislation of the niddle ages. The lirst volume is the most interestiug, at least to the general reader; the others consisting principally of extracts from the archives of the city. There is a brief but pretty gool account of the carly trade of Barcelona, drawn principally from Capmany, in the work of Deppiug, Histoire du Commerce entre le Lerunt et l'Europe depuis les Croisades \$c. tom. i. ch. v. Catalonia has continued, ammilst all the vicissitudes it lins undergone, to bo the most industrious of the Spanish provinces. Many very extensive manufactures, especially of silk and cotton, have been established in Barcelona, and within the last 10 or 12 years an extraordinary degree of enterurise has been'infused into all elasses of the population. In 1860 the town had no fewer than 7 banking companies, 10 maritime insurance companies, 5 railway companies, 4 steam navigation comprnies, 3 canal companies, 3 gas companics \&e. The Bank of Jarcelona, which ras tounded in 1844, has a capital of 80 millions of reals, of which 20 millions have been paid up. It has been well managed; and its success has led to the formation of other banking and discount companies. Another company recently formed deserves special mention, being for the establishment of an electric telegrapla to counect Barcolona with France and Europe generally on the one side, and with Madrid through Tarragona on the other. It is true that some of the wany companics formed of late years have been womnd up; but others continue in $n$ flourishing state. The railways which centre in the city, and are being extended into the interior, will be of intinite advantage to its industry and trade.

The IIarbour, which is naturally bad, is formed by a mole or jetty, which has recently been a good deal calarged, running out to a considerable distance in a southerly direction, and laving a lighthouse and some batteries near its extremity. 'lhe depth of water within the mole is from 18 to 20 fect; but there is a bar between the mole and Monjouich, which has frequently not more than 10 feet water: and which would, it is believed, entirely shut up the harbour, were it not occasionally lowered by means of dredging machines. Vessels in the harbour moor at a short distance from the mole: where, though exposed to the southerly grales, they are so well protected that no accident of any consequence has taken place since the dreadfil storm of 1821 . Large ships must anchor outside the mole, and in wiater are much incommoded by winds. Vessels entering the harbour are under no obligation to take a pilot on board; but they are always in attendanee, and it is generally deemed safest to have their assistance in passing the bar.

The port of Barcelona is being considerably increased by the carrying out of a sca-wall from the shore under Fort Monjouich and by another prolonging the old extremity of the mole so as to approach at some distance, leaving a good entry. Mueh of this work has been effected already, and which will enable vessels to ride safely within the port, lut the works are far from terminated; when concluded, the port will be capacious and safe, though as for its depth much dredging will be re-
quired to keep it clean and useful. The depth of water is not above 20 fect.
The principal articles of import are raw cotton; sugar, coffee, cocoa, and other colonial products, principally from Cuba and l'orto Rico ; salted tish, hides, and horns; iron and hardware; amachinery, coal de. have latterly been imported in largo quantities, principally from England. Most npecies of manufactured goods are prohibited; lut it is needless to add that they are notwithstanding largely introduced into this as into most other parts of Spain. The trade with the colonics, France, and the coasting tracte is active and increasing. Catalonia being the grand seat of the Spanish cotton trade, the imports of raw cotton are very considerable. In proof of this, it may suftice to mention that in tho year ending Jnne 30 , 1858, no fewer than 80,043 bales ( $36,805,962$ lbs.), worth 4,516,244 dols., were shipped from the United States for Spain on the Mediterranean, that is, for Barcelona; nt the same time that additional supplies were obtained from Brazil and other parts. $\quad 50,000$ to 100,000 persons, mostly in Catalonia, are said to be dependent on the manufacture. 'Ihe raw cotton is principally imported in Spanish ships. The direct imports from England, ex. coal, are not very considerable, and tho exports to her still less.

The chief exports are wronght silks, cotton stuffi, soap, lire-arms, pajer, hats, laces, ribands, steel sc. The principal articles of native produce that Catalonia has to export are most conveniently shipped nt Villanova, Tarragona, aud Salon. They consist of wine, brandy, nuts, almonds, cork bark, wool, fruits \&c. A good deal of Lurandy is sent to Cadiz and Cette : most part of the former tinds its way into the wine vanlts of Xeres; and the latter, beinif conveyed by the Canal of Langnedoc to the Garoone, is used in the preparation of the wines of Bordeaux. From 25,000 to 30,000 bags of nuts are annually sent from Tarragona to England. Tarragoaa also exports about 12,000 bags of almonds.

In the years $1861-2-3$, the tonnage which cleared from Barcelona was 195,607 with cargocs; 74,393 in ballast; $17 \overline{1}, 712$ with cargocs; 63.716 in ballast ; 307,905 with cargoes; 71,313 in ballast; whilc that which entered was 240,923 with cargoes; 5,666 in ballast; 237,615 with cargoes; 5,705 in ballast; 344,555 with cargoes ; 4,793 in ballast respectively. The imports and expurts and merchandise cleared constwise were in value as folluw :-

| Imports <br> Coasting urade, entered cleared | 1861 | 1862 | 1865 |
| :---: | :---: | :---: | :---: |
|  |  | ${ }_{314,969,189}$ | ${ }_{\substack{\text { reales } \\ 405,48.631}}$ |
|  | 146, 16.165104 | 14,111,340 | 1,344, 415,919 |
|  | 435,293, 1711 | $367,1161,86{ }^{\text {a }}$ <br> 199612814 | $334,7(19,321$ $5.59,2 \times 6,15$ |
| Total ${ }^{\text {cieared }}$ | $\frac{171,931,61}{1,141,401,266}$ | $\frac{319,612,814}{1,359,738,259}$ | $\frac{539,2 \times 6,13}{1,432 \times 69,2 \% 5}$ |
|  | £14, 111,012 | ¢13, 197.584 | ¢14.5<5.692 |

The trade of Barcelona is by far the largest of any Spanish port, and a spur has been given to it by the opening of the railway which now connects it with Madrid, and the most important towns of Spain, and with the rest of Europe.

Custom-house and Warehousing Regulations same as at Alicant.

Port charges bave been reduced, and are now nearly identical fur Sjanisb, British vessels, and most of the Foreign, being uniformly exacted ou Tonnage.

Port dues now paid by Britis/s vessels.-Anchorage at 1 real ( $2.4 d$. ) per ton, Spanish measure; lighthouses, 1 real per ton: navigation dues, one-eighth of a real per Spanish hundredweight; of cargo taken in or discharged.


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of 12 oz . to the yrains $=4$ kilog
of Barcelona $=$
The yard, nas of 4 quartos, nad 100 cumas $=53 \cdot 4$ dam $=58 \cdot 514 \mathrm{Er}$
The quartera into 12 cortanes 235536 , or $25 \frac{1}{2} \mathrm{I}$
The carga, into 12 cortanes mitactcllus. It is turgas $=1$ pipe 107 cortanes.
(We have der :ourees; but pri given ins for thi Inglis's Spain in BARILLA Ger. soda, baril barrilha; Russ. kali). Carbonat native in llung countries. It is 1 facturers of hard barilln of comme marine and other The best, or Alica Salsole sodn, whic for this purpose in
phaces on the caste
places on the easte
E.xtra dues paid for support of uorks carried out to improve the port.- Auchorage, of real per ton; lighthoases, b real per ton; navigation, i'i real per Spanishe ewt. $:$ and health dues, of real per ton on arrivals from liarojean ports, and 1 real on those from America.
Commission is at the rate of 21 per cent. on goods whipped, and 2 per cent. on those received on consignment. Goouls are sometimes sold for ready money, and sometimes on credit for 3 or 4 months.
Tares, At tho Custom-honse, real tares only are allowed; and the net weights must be rigorously manifested. A surplus of 3 per cent. is, however, allowed to cover any inexactaess in the net portion between foreign and Spanish weights; but if the weight of any pareel should turn out to be 3 per cent. greater than is marked in the manifent, the surplus is seizel, at the same time that the importer loses the benetit of the 3 per cent. ullowed by law, and becomes linble to the penaltles of smugerling. The tares usmally allowed by merchants are, on Havannah sugar 13 per cent.; on coffee 2 per cent., exclusive of the barrel, bag de. in which it is contained; on cocos, and pepper 2 per cent. ; Pernambuco cotton 4 lbs. per bale; other cotton 1 lb . per ewt.
Money.-Accounts are kept in libras of 20 sueldos, 240 dineros, or 480 mallas. The libra is likewise divided into reales de plata Catalan, of 3 suetdos each; and into reales ardites of 2 suelidos each. Hence, 6.7 of the former, or 10 of the latter, $=1$ libra Catulan.
The libra Cata/an is =2s, 4d. sterling nearly.
The peso duro, or hard dollar, is valued at $37 \frac{1}{2}$ sueldos Catalan, cight such dollars making 15 libras.

Weights and Mrasures,-There are endless diserepancies amongst the weights and measures in the different $5:=n$ ish provinces, and there is a very great discrepancy in the accounts of the anthors who have written upon them. The following statements are taken from Nelken-brecher:-
The quintal is divided into 4 errolas, or 10 H lbs . of 12 oz. to the pound. The pound $=6,17.1$ linglish grains $=4$ kilog. $=832 \cdot \cdot 6$ as of Ilolland. 100 lbs. of Barcelona $=88 \cdot 215 \mathrm{lbs}$. avoirdupois.
The yard, named cana, is divided into 8 pulmos, of 4 quartos, and is $=21$ inches very nearly. Hence, 100 canas $=53 \cdot 499$ metres $=7 \pi 5$ yards of Amsterdam $=58 \cdot 514$ English yards.
The guartera, or measure for grain, is divided into 12 eortanes and 48 picolins. 100 quarteras $=$ 23.536 , or 25.2 Winchester quarters.

The carga, or measure for liquids, is divided into 12 cortanes or arrobas, 24 cortarinus, and 72 mitadellas. It is $=32 \cdot 7$ linglish wine gallons. 4 cargas = 1 pipe. The pipe of Majorca oil contains 107 cortancs.
(We have derived these details from various sources; but principally from a report obligingly given us for this work by Mr. Baker, and from laylis's Spain in 1830, vol. ii. pp. 381-387, 362.)
BARILLA (Dutch, soda; Fr. soude, barille; Ger, soda, barilla; Ital. barriglia; Port. solda barrilha; Russ. socianka; Span. barilla; Arab. kali). Carbonate of sodn [Alkalites] is found native in llungary, Egypt, and many other countrics. It is largely used by bleachers, manufacturers of hard soaps, glass-makers \&e. The barilla of commeree consists of the ashes of several marine and other plants growing on the sen-shore. The best, or Alicunt barilla, is prepared from the Salsola sodu, which is very extensively cultivated for this purpose in the huerta of Marcia, and other phices on the easteru shores of Spain. (Townsend's

Travels in Spain, vol. iii. p. 19\%.) The plants are gathered in soptember, fried and burned in fumaces heated so as to bring the aslies into a state of imperfect fuxion, when they conerete intu, larid, dry, cellular masses of a greyísh blne colour. Sicily and Tencriffe produco good barilla, but inferior to that of Alicant and Carthagena. K.lp, which is a less pure alknli, is formed by the incineration of the common sea-weed. [Kes.i.]
The Saracens cstablished In Spain seem to have been the first who introduend the manuficture of barilla into Europe. They called the phanta cmployed in its preparation kali; and this, with the Arabic article al pretlsed, has giyen rise to the mosern chemical term alkali. J'rime quality in barilla is to be distinguished by its strong sinell when weited, and hy its whitish colour. l'articular attention should be paid to have as little small or dust as possible.
The manufacture of art ificial se la (soute fiertice), now very extensiyely carried on, oceasioned an cxtraordinary lecline in the imports of barillit, the quantity entered for home consumption in 18:31, nmountiag to 337,712 cowt., having been reduced in $18: 11$ to $17,380 \mathrm{cwt}$. C'onsiderable quantities are imported from 'Tenerife, Alicant in Spain, Sicily, the Linited States, and Russia. Thus, of 1-149 tons imported in 1857, 819 came from the Canary Islands, 158 from Italy (Sicily), 12: from the United States, and 103 from Linssia. The duty on barilla, after heing reduced in 18.12 from 40 s. 10 5s, a ton, was wholly repealed in 18.5.5. Ihat this judicious measure has not had so much inthenec over the consumption of the article as was expected.

BARK. The outer rind of trees. There is an immense variety of barks known in commerce as cimmmon, lerivian bark, oak bark, quercitrou de. The term burk is, however, generally employed to express cither l'eruvian bark, or oak bark and quercitron, and it is these ouly we here notice.
leruvian bark (Fr. quinquina; Gcr. kronchina; Dutch, china-bast; Spau. ๆuiua, quenquina; Lat. quenquina, Cortex Pernvianus). There are several sorts of this bark known in comumerce. The tirst sort is the pale bark of the shops. It is the origiual cinchona of l'eru, and is the produce of difterent varieties of the Chinchona officinulis of Limneus. The sorts called Condaminea, Bonplandiana and Crispa or Crespilla are now naturalised in India and flourishing on tho higher ranges of the Neilgherries, and the C. Succirubra and C. Culisiya; and are also largely propagated in the Govermment plantations, with every prospect of suceessful results in India, Ceylon, and tho West Indies. This sort is usually inported in chests covered with skins, each containing about 200 lbs well packed, but generally mixed with a quantity of lust and other heterogeneous matter. It consists of pieces 8 or 10 inches long, some of them being seareely onetenth of an inch thick, singly and doubly quilled or rolled inwards, the quills generally being in size from a swan's quill to an inch and $a$ half. It is internally of a pallid fawn or cinnamon hue, but approximates, on being moistened, to tho colour of a pale orange. When in substance it has scarcely nny odour, but during the decoction the otour is sensible and agreeably aromatic. The taste is bitter, but not unpleasant, acidulous and nustere.
The second sort, or red bark, is obtained from the C. Succirubra growing on the Andes, chiefly in Eeuador in the forests of Chinnborazo, whero the true red bark is known as the 'Cascarilla ioja,' und its production appears at present to be contined to the district lyins between $1^{\circ}$ and $22^{\circ}$
S. lat. and $30^{\prime}$ and $40^{\prime} \mathrm{W}$. long. of Ginilo. It is, in his work on Ilimalayan Botany, ruggesting bowever, supposed to have within a recent period existed in all the valleys of the Andes which debouch in the Guyagulian plain, but in most of these diatricts it bas been completely exhausted. The red bark is imported in chest; containing frome 100 to 150 lbs , each. It consigts of various sized pieces, most of them flat, but some partially quilled or rolled. The internal part is woody, and of a rust red colour; it has a weak peculiar odour, and its tasto is much less bitter, but more austere and nauscous than that of the other barks.
We would refer for a description of the mode of collecting the bark to a report by Mr. Spruce to the Under-Secretary of State for India (Parl. Papers, Return E. India Chinchona Plant, 1863, No. $11 \%, \mathrm{p} .65 \mathrm{et}$ seq.) with reforence to his expedition to the red bark tree districts. Limon, the situation to which Mr. Sprnce's observations refar, is at the jnnction of a stream of that name with the ris er Chasuan.

The entire quantity of the red bark collected in 1859 did not reach 50 quintals, and it was sold for 43 dols, the quintal. In 1860 no red bark at all was got our, so that the trade in it la well migh extinet.
The third sort of yellow bark of the s'eps is obtained from the Cinchona Calisaya, growing in Holivia and the Peruvian province of S. Caravaya. It is imported in serons, containing 6 arrobas of about 150 lbz . rach, and consists of pieces 8 or 10 inches long, some quilled but greater part flat. The interior is of a vellow colour passing to orange. It has nearly the same odour in decoction as the pale; the taste is more bitter and less nustere, and it excites ho astringont feeling when chewed. The C. Calisaya is used in the manufacture of suriphate of quinine and is consequently of great commercial value. The foresta of New Granada yield several sorts of bark used in quinine nanufactures. The most valuable of these are the C. pitaya and the C. iancifolia, which lave recently been imported into Europe hi great quantities. According to Dr. Macpherson's account of the medico-botanical history of cinchona, it was first introduced into Europe in 1640 , and it is stated that the value of Peruvian bar!: as a melicine was tirst made known in connection with the cure of the Countess ot'Chinchon, whence the name Chinchona or more properly Chincona.
The quantity exported from I'ayta (the port of Lexa) in 1860 was 1,400 quintals of pale bark at 30 dols, the quintal. The quantity exported from Arica in 1859 was 1,026 quintals, valued at 17,33:11, and from January to November 1860 it $W$ ass 3,888 quintals valued at 35,0001 . From Islay in 1863 the quantity exported was 3.615 quintals, valued at 100 dols. per quintal, or 361,500 dols. The bark from Islay is yellow bark.

I'lie exhaustion of the Bolivian bark tree forests lell the Guvernment of Bolivia to establiah in 1859 a 'bank of bark ;' but na this institution was granted a monopoly of the export of bark, the result was, as stated by Dr. Forbes Royle, rather to enhance the price than to continue the preservation of the supply.
The ircreasiug cost of the article and the danger arising from the reckless system of destruction of the berk-trees pursuel by the owners of the Bolivian forests, added to the great cost of the supply of the article for the British serviee in India (stated by Mr. Markham to have been 53,000 . in the years 1857-8), induced the British Government to endeavour to introduce the cultivation of the Cinchona in the hill districts of British India. Dr. Forbes Royle hud recommended its introduction in 1835,
that it might be cultivated on the slopes of the Neilgher es, and he again recommended that endeavours should be made with the same object in 1847, and his recommendations were strongly supported by Dr. Falconer, superintendent of the Hon. East Ir 'ia Company's Jotanic Gardens in 1852. At lergth, in 1859, Mr. Clements Markham was instructed by Lord Stanley; then Secretary of State for India, to proceed to Pert with a \%lew to procure seeds and plants of the Ciocliona and to convey them to India, to which country, in eonjunction with Mr. Spruce, a botanist, and Mr. Crosa, a practical gardener, he succeeded, after innumerable difficulties owing principally to the jealousy of the Peruvian Government, in conveying upwards of 400 plents of the C. Calisaya, where they :ere planted at the nursery at Ootacamund. These plants were, however, reportell as all dead at the end of 1860 , but Mr. Cross succeeded in arriving in April 1861, with 463 plants of the $C$. succirubra and six plants, brougbt from lingland, of the C. Calisaya, and Mr. Spruce introducel from Jnva the C. Calisuya, C. caucifulia, and C. Pahudiana. From this atock the present Cinchona plantations in India have been established with results so succeasful, that the number of plants growing on the Neilgherries in February 1863 was as follows :-

Number and Distribution of Cinchona Plants on the Neilgherries, on Fébruary 23, 1863.

|  | Botarical Nantes | Commersial fizmes | Nlants | Value per Pound or Try balk in the Landon Market |
| :---: | :---: | :---: | :---: | :---: |
| 1 | (.) succirubra | Red hark | $4 \times, 389$ |  |
| 2 | C. Calionya. | 广ellow bask - | 1,180 | 211070 |
| 3 | C. Uritusinga | Orikinal loza bayk |  | 410,70 |
| 4 | c. Condaminea | Select crown hark | 31,612 | $\begin{array}{lllll}2 & 10 & .0 \\ 4 & 10 & 0\end{array}$ |
| 5 | C. Crepila | Pine crown hati : |  | $\begin{array}{ccccc}y & 10 & =6 & 0 \\ 1 & 5 & 2 & 10\end{array}$ |
| 8 | C. nitida | ditnuine grey bark | A,5iy | $1 \begin{array}{llll}6 \\ 1 & \# & 2 & 10 \\ 9\end{array}$ |
| 8 | C. species without name. | Fine grey bark |  | 18.210 |
|  | c. tuerantha | Cirey bayt | $\begin{aligned} & , 326 \\ & , 815 \end{aligned}$ | $1 \quad y, y$ |
| 10 | C. Prruriana : | Finent krey barl |  |  |
|  | C. Pahudiana - <br> Totni numb | $\begin{gathered} \text { Unknown } \\ \text { r of plants } \end{gathered}$ | $\frac{545}{153,8.59}$ | Wortitess |

The Dutch Government attempted to introduce the Cinchona inte their liast Indian possossions in 185̄2, and Mr. Hasskarl succeeded in 1854 in introincing it into Java, where the plants are now thriving. The principal plantations are situated on the Kending and Malabar range of mountains in the southern portion of the island.
The quantity of Peruvian bark imported into (ireat Britain in 1866 was $13,797 \mathrm{cwt}$., valued nt 109,47 7.
The above has been compiled eliefly from information furmished by J. E. Howard, Eary, the nuthor of the Nueva Quinologin de Paron, and from Parl. Paper 118, 1863, East India Cinchona. See alan Dr. Weddell's Quinologic.
The coscarilleros or peelers insually destroy the tree by stripping off its bark as it stands; whereas were they to cut it elose to the ground, young ahoots wonld apring up, which would in their turn become tit for peeling in from six to twenty years. This reckless destruction, coupled wit ${ }^{\text {- }}$ the enormous demand for quinine in Jurope, has ocensioned so great a scarcity, that the authorities in Upper Peru contemplate placirg an interdiction on the exportation of bark for a series of ycars. It is asserted that 800 to 900 trees are cut down in order to furnish 11,000 pounds of bark, and that 25 to 60 ounces, $1 \frac{1}{2}$ to 3 per cent., are
the two
The gum the pureha exceed ti consumes, 451 of 9 a abnut 400 $120,000 \mathrm{lb}$
The fill Peruvian b

The re-es foreign coun of which 5 cwt. to Fras factured in embirg, anc continent of

The supes French quini to the lower duction.

Quercitron covery and a quercitron to for his inve war breaking ndvantages. Parliament pa 38) securing $t$ patent for foul latter period extend his years, but th bill. Like to protited but l been of great the country.
vol. ii. p. 11 Iousc of Con 175.)

BARLEY Dutch, rys; fatechmea; jow). A spec of which there sively cultivat in most of thr Africa. It may but not at a lo 4,000 feet, and Large quanti lougthened per cently, howeve though probab ing. In 176 à number of ba Wales at 739, the populatio Cumberland co bread, we are i may not, at pr liut the prine Britain is for c the manufactur and though its certainly incres of wealch and I
the two extremes of quinine from 100 pounds. The sum expended by the Indian Government in the purchase of this valuable medicine is stated to exceed five lacs of rupecs annually. Matras consumes, on an average, $2,090 \mathrm{lus}$. of bark and 451 of quinine. Great lbritain imports annually nbout $400,000 \mathrm{lbs}$. of bark, and retains towaris $120,000 \mathrm{lbs}$. for home consumption.

The following represents the imports \&c. of Peruvian bark jn the year 1863:-

| From $\mathrm{St}_{\mathbf{t}}$ Thomas United Nitates: North At'anitc l'orts | Quantity | Value | Per Cwi. |
| :---: | :---: | :---: | :---: |
|  | $\begin{gathered} c w t . \\ 1,100 \end{gathered}$ | $\underset{7, i 57}{i}$ | $\begin{array}{lll} x & 10 & d . \\ 5 & 10 \end{array}$ |
|  |  |  |  |
| New Granada : - | 6.519 | 36,4,51 | 5 111 |
| Peru - - | 12,640 | 60,118 | $3{ }_{3}^{3} 941$ |
| Chill ${ }^{-}$ | 415 | 2.175 | 5113 |
| Ocher Parts - | 1,757 | 9,8.50 | 5103 |
| Total . . . | 23,599 | 149, $11^{7}$ |  |

The re-exports of bark from Great Britain to foreign countries in 1865 amounted to 14,975 cwt., of which 5,517 ewt. went to Holland and 3,307 ewt. to France. Sulphate of quinine is manufactured in great quantitios at Stuttgart in Wurtemburg, and in France, from which sources the contincut of Europe i. largely supplied.

The superior cheapness of the (ierman and French quinine is probably in some degree owing to the lower cost of the alcohol used in its production.

Quercitron Bark.-We are indebted for the discovery and application of the useful properties of quercitron to Dr. Bancroft, who obtained a patent for his invention in 1775; but the Americar war breaking out soon after, deprived him of its ndvantages. In consideration of this circumstance, Parliament passed, in 1785, an Act ( 25 Gco. 111. c. 38) securing to him the privileges conveyed by his patent for fourtecn years. At the expiration of the latter period the House of Commons agreed to extend his privilege for an additional seven years, but the House of Lords rejected the bill. Like too many discoverers, Dr. Bancroft profited but little by his invention, though it has been of great use to the arts and manufactures of the country. (Bancroft On Permanent Colours, vol. ii. p. 112; Report of the Committec of the Tlouse of Commons on Patcnts, A ppentix, page 175.)

BARLEY (Fr. orge; Ger. gerstengraupen ; Duteh, ryg; Ital. orzo; Span. cebada; Russ. fatechmea; La's. hordeum; Arab. thourra; Hind. jow). A species of breal-corı (Hordeum, Linn.), of which there are several varietics. It is extensively cultivated in most European countrica, and in most of the temperate districts of Asia and Africa. It may also be raised betweon the tropies; but not at a lower elevation than from 3,000 to 4,000 feet, and then it is not worth cultivating. Large quantitics of barley have been, for a lengthened period, raised in Great Britain. Recently, however, its cultivation lias been supposed, though probably on no grood grounds, to be deelining. In 1765 Mr. Charles smith estimuted the number of barley consumers in England and Wales at 739,000 ; and as a large proportion of the population of Wales, Westmorchund, and Cumberland continue to fubsist chietly on barley bread, we are inclined to think that this estimate may not, at present, be very wide of the mark. But the principal Jemand ior harley in Great Britain is for conversion into malt, to be used in the manufacture of alc, porter, and British spirits; and though its consunption in this way has not certainly increased proportionally to the increase of wealth and population, still there does not seem
to be any ground for supposing that it has diminished. Earley is also extensively used in fattening black cattle, hog ${ }^{4}$, and poultry. It now gencrally follows turnips, and is a very imrortant crop in the rotation best adapted to light soils. The principal barley counties of Englard are Norfolk, Suffolk, Cumbridge, Bedford, Merts, L, cicester, Nottingham, the upper parts of Hereford, Wirwick, and Salop. The prodnce varies, accurding to soil, preparation, scason \&c. from about 20 to 60 or 70 bushels an acre. The most usual crop is from 28 to 36 or 38 hushels. The Winchester bushel of good English bnrley geuerally weighs about 50 lbs., but the best Norfolk barley sometimes weighs 53 or 54 lbs . lts produce in flour is about 12 lbs, to 14 lbs. grain. Barley is a tender plant, and casily hurt in any stage of its growth. It is more hazardous than whent, and is, renerally speakiag, raised at a greater expe.sse. so that its cultivation should not be attempte I except when the soil and climate arc favourable for its growth.
The question whether malted or unmalted barley is the fittest food for cattle, has in this country practical interest. lor purposes of revenue, a considerable duty is levied on malt. It is asserted that this duty check: the cultivation of barley on light soils, and that even when barley is grown, its most useful purpose, that of stimulatiag the tlow of milk in cows, and of promoting the rapid growth of fat stock, is prohibited by the operation of an excise duty. The Act 27 \& 28 Vict. c. 9 has indeed so far relaxed the excise system as to permit, under proper regulations and supervision, the malting of barley for the use of stock, the clief precaution taken in order to prevent the abuse of the privilege being the admixture of a certain amount of linseed incal with the malt. This, it appears, renders the malt permanently unfit for the manufacture of beer or spirit.
In the 11th Inland Revenue Report (1867), p. xxiii., it is stated 'The farmers, however, appear to be tinding out by experience what science long ago indicated as the truth-that malt contains no fecding properties not possessed by barley, and that the cost of malting is worse than thrown away, because the barley during the process loses a portion of its nutritious constituents, its value as an article of food being proportionately diminishell.' Number of samples examined for cattle-fecling purposes in 1866-7, only 95 as, against 462 in the preceding year. The customs' duty on forcign barley, pearled, is $4 \frac{1}{2} d$. per ewt.
(For details as to the prices of barley, the quantities imported and exported \&e. see Corn Laws and Coun Traide; and for further details as to its consumption and culture, see Smith's Tracts on the Corn Trade, 2nd edstion, p. 18:) Brown On Rural Affairs, vol. 1i. p. 42; Loudon's Lincyclopadia of Agriculture; and Report of the Relative Values of Malted or Unmalted Barley as Food for Stock, presented to l'urliament in 1866.)
BARRATRY. In Navigation, barratry is, in its most extensive sense, any fraudulent or unlawful act committed by the master or mariners of a ship, contrary to their duty to their owners, and to tho prejudice of the latter. It appears to be derived from the Italina word barratrare, to cheat. It may bo committed by roming away with a ship, wilfully carrying her out of the course prescribed by the owners, delaying or d feating the voyare, descrting convoy without leave, sinking or deserting the ship, cmbezzling the cargo, smuggling, or any other offence whereby the ship or cargo may be subjected to arrest, detention, loss, or forfeiture.

## BARYTA, SULPHATE OF

It is the practice in most countries to insure against barratry. Most forcign jurists bold that it comprehends every fault which the master and crew can commit, whether it arise from fraud, negligence, unskilfulaess, or mere imprudence. Ilut in this country it is muled that no act of the master or crew shall be deeme 1 barratry unless it proceed from a criminal or fraudulent motive.
'larratry can ouly be committed by the master and mariners by some act contrary to their duty in the relation in which they stand to the owners of the ship. It is, therefore, an offence arginst them, and consequently an owner limself cannot commit barratry. He may, by his fraudule it conduct, make himself liable to the owner of the goods on board, but not for barratiy. Neither can barratry be committed against the owner uith his consent: for though he may be liable for any loss or damage occasioned by the iniseonduct of the master to which he consents, yet this is not barratry. Nothing is more clear than that a man can never set up as a crime an act done by his own direction or consent.' (Marshall On Insurance, book i. ch, xii. s. 6.)
When, therefore, the owner of a ship is also the master, no act of barratry can be committed; for no man can comnit a fraud against himsolf.

It is a maxim in law, that frand slall not be presumed, but must be clearly proved; and it is a rule in questions of insurance, that he who charges barratry must substantiate it by conclusive evidence.

It is not necessary, to render an act barratrous, that it should be conmitted with a criminal intent as respects the owners, in order to injure them, or to benefit the captain or crew. It may even be committed with a view to promote the owner's interests; for an illegal act done without the authority or privity of the owners, and which proves detrimental to them, is barratry, wl atever be the motives in which it originated. Lord Ellenborongh, in an able judgment, has laid it down as clear law, 'that a breach of duty by the master in respect of his owners, with a fraudulent or criminal intent, or cx maleficio, is barratry ; that it makes no difference whether this act of the master be induced by motives of advantage to himself, malice to the owner, or a disregard of those laws ubich it was his duty to obey; and that it is not for him to judge or suppose, in cases not intrusted to his diseretion, that he is not breaking the trust reposed in him, when he endeavours to alvance the interests of his owners by means which the law forbids, and which his owners also must be taken to have forbidden.'
The circunistance of the owners of ships being permitted to insure against the barratry of the mas'er and mariners can hardly fail, it may be not uncharitably presumed, of rendering them less scrupulous in their enquiries with respect to their character than they would otherwise be. Perhaps, therefore, it might be expedient to prohibit such insurances, or to lay some restrictions upon them. They were, indeed, expressly forbidden by the Ordinance of Rotterdam; and Lord Mansfield, whose anthority on all points connected with the law of insurance is so deservedly high, seems to have thonght that it would be well to exclude barratry entirely from policies, and to cease 'making the underwriter become the insurer of the conduct of the captain whom he does not appoint, and cannot dismiss, to the owners who can do either.' luat though it were expedient to prevent the owners from making an insurance of this sort, nothing can be more reasonable than that third parties, who freight a ship, or put goods on board, should be
allowed to insure against such a copious source of loss. In the maritime policies effected in France, the barratzy of the master of the ship will, under certain circumstances, vitiate the claim to compensation, especially when the captain has been appointed by the claimant. (For a further discussion of this subject, see Marine Insenance; and Marshall On Insurance, book i. ch. xii. s. G, and Park On Insurance, ch. v.)

By $24 \& 25$ Vict. c. $100 \mathrm{s}$.13 it is enacted that if any person set fire to any ship or part thereof, or any goods or chattels therein, or shall cast away any ship with intent to conmit murder, he shall be guilty of felony, and liable, nt the discretion of the court, to be kept to jenal servitude for life, or for any term unt less than three yeara, or to ba imprisoned for any term liot exceeding two years, with or without hard labour, and with or without solitary confinement.

BARLREL. 1 cask or vessel for holding liquids, particularly ale and beer. Formerly the barrel of beer in London contained only 32 ale gallons $=32 \frac{1}{2}$ imperial gallons; but it was enacted by 43 Geo. III. c. 69 that 36 gallons of beer should be taken to be a barrel; fad by the 6 Geo. IV. c. 58 it is enacted that whencver any gallon measure is mentioned in any excise law, it shall always be deemed and taken to be a standard imperial gallon. At present, therefort, the barrel contains 36 imperial gallons. It may be worth while observing that the barrel or ensk is an exclusive product of European ingenuity ; and that no such article is known to any nation of Asia, Africa, or America, who have not desived it from Europeans.

BARWOOD. A red dye-wood brought from Africa, particularly from Angola, and the river Gaboon. The dark red which is commonly seen upon British Bandana handkerchiefs is for the most part produced by the colouring matter of barwood, saddened by sulphate of iron. (Bancroft On Colours.) The imports of barwood, in 1865, amounted to 2,347 tons. It is estimated, in the official accounts, as being worth about 31 . per ton.

BARYTA, SULPIIATE OF. This substance is found native in many parts of the United Kingdom, and is known under the name of heary spar.
(onsiderable importance attaches to this substance from the use which has latterly been made of it in the arts, as a body for paint. The native sulphate being crystallised, and therefore more or less translucent, is not available for this purpose, and when mised with white lead, as is frequently done, must be looked on as an adulteration. That, however, which is prepared by artificial metths is more opaque, though still far inferior in bolly and solidity to white lead. It has certain adrantages, however. It is not affected as lead is by the vapour of sulphuretied hydrogen, and therefore does not blacken on exposure to the air, and its use is mattended with those deleterious effects which ensue from the constart manipulation of lead salts. Sulphate of baryta is used as a water-colour by artists, under the name of permanent uhite or blank fix. It is also said to be largely used in the manufacture of paper-hangings.

A very great impetus has been given to the use of harytes by the paper collar trade. When the collars wero covertd with white lead there was reason to fear that health might be endangered by the pores absorling this deleterious substance. A durable cnamel prepared from barytes has consequently been substituted, and with so muchsuecess, that upwards of twenty tons are daily
used in the city alone. ( $J$ 1866.)

BASKETS
panicre; Spa sin(1). Baske principally of osier, birch \& splinters of wo of other article of dry goods, a of quality and produced at $h$ imported uade viously to 185 year the duty pealed. Very
buskets are im
BAST. Mat
[Ints; Matt BATAVIA. capital of the Indies, and th Oriental islands visible 13 mile long. $106^{\circ} 47^{\prime} 4$ the island, on or rather road, several small u the boisterous sufficient shelter from 300 to 50 from shore. $\mathbf{\Lambda}$ s which is naviga tons, a couple of branch off from j affording great was formerly so Dacndals was a government to in this, he set al) farther inlond, whither the Go atcly removed. chants now live oid city, only w a portion of the town is at present and the descend several of its str demolished. Mo Capellen, whose long be gratefull. of the superior ai place of trade, exd ther decay, by ro healthiness; to several of the stre and cleaned other tions \&c.: and th sures has been, th as any other town acecrding to an a consisted of 2,81 25,000 Chinese, 1,0 all 118,300 persons the population has seat be estimated iadependently of $t$ always a considera cipal merchants a Freach, and Germe the most importan sions in the East, colonies in the wor in area of $52,000 \mathrm{~g}$ on Dec. 31, 1862, 0
used in the collar manufactories of New York city alone. (Journal of the Society of Arts, Oct. 26, 1866.)

BASKETS (Fr. corbeilles; Ger. körbe; Ital. paniere; Span. canastas, canastos; Russ. korsin(i). Baskets are made, as everyone knows, principally of the interwoven twigs of willows, osier, birch \&e. but frequently also of rushes, splinters of wood, straw, and an immenso number of other articles. They are used to hold all sorts of dry goods, and are constructed of every varicty of quality and shape. Besides the vast quantities produced at home, some of the riner kinds were imported nader an ad valoren duty, which, previously to 1854, was 10 per cent. In the above year the duty was reduced to $4 d$. It is now repealed. Very large quantitics of rods for making baskets are imported.
BAST. Material for straw hats or bonnets. [Hats; Matting.]
BATAVIA. A city of the Island of Java, the capital of the Dutch possessions in the East Indies, and the principal trading port of the Oriental islands; lat. of lighthouse on the west pier, visible 13 miles off in clear weather, $6^{\circ} 5^{\prime} 4^{\prime \prime}$ S., long. $106^{\circ} 47^{\prime} 40^{\prime \prime}$ E., on the north-west coast of the island, on an extensive bay. The harbour, or rather road, lies between the main land and several small uninhabited islands, which, during the boisterous or north-western monsoon, afford sufficient sheiter, and good anchorage. Ships of from 300 to 500 toms anchor at about 14 mile from shore. A smrll river runs through the town, which is navigable for vessels of from 20 to 40 tons, a couple of miles inland; a number of canals branch off from it into different parts of the town, affording great convenienees for trade. Br.tavia was formerly so very insalubrious, that General Daendals was anxious to transfer the seat of government to Sourabaya; but being thwarted in this, he set about building a new town, a little farther inland, on the heights of Weltevreden, whither the Government offices were immediately remored. Most part of the principal merchants now live in the new town, repairing to the oid city, only when business requires it, during a portion of the day. In consequence, the old town is at present principally oceupied ly Chinese, and the descendants of the ancient colonists, several of its strects having beet deserted and demolished. More recently, however, the Baron Capellen, whose enlightened administration will long be gratefully remenbered in Java, sensible of the superior advantages of the old town as a phace of trade, exerted himself to prevent its further decay, by removing the causes of its unhealthiness; to accomplish which, he widened several of the strects, filled up some of the canals, and cleaned others, demolished useless fortitienlions \&c. : and the effect of these judicions neasurcs has been, that Batavia is now as healthy as any other town of the igland. The population, aceerding to an aecurate census taken in 1832, consisted of 2,800 Europeans, 80,000 natives, 93,000 Chinese, 1,000 Arabs, and 9,500 slaves ; in all 118,300 persons, exclusiye of tho garrison. As the population has increased since, it may at preseat be estimated at from 140,000 to 150,000 , independently of the military, of which there are always a considerable number. Among the principal merchants are Duteh, English, Americans, French, and Germans. The island of Java forms the most important portion of the Dutch possessions in the last, and is, in fact, one of the finest colonies in the world. It contains, ine. Madura, in area of 52,000 square milcs, with a pcpulation on Dec. 31, 1862, of $13,380,770$.

Account of the Quantities and Valucs of the Proncipal Articles, the Produce of the Lastern Archipelago, exported from Jara and Madura in 1863.


The area of the islands of Java and Madura was, in the year 1861, 51,336 English square miles, and the population $13,019,108$.

Amount received from the several Duties and Dues levied in the Islands of Java and Madura in the Years 1861-1863.


Amaunt of Duty received on the several Articles exported from the Islands of Jıva and Madura in the Years 1861-1863.

| Artucles | Amount of Duty received |  |  |
| :---: | :---: | :---: | :---: |
|  | 1861 | 18is | 1863 |
| Coffee - | $\begin{aligned} & \text { quilden } \\ & \mathbf{2 , 1 9 6 , 0 1 3} \end{aligned}$ | $\begin{gathered} \text { gulden } \\ 2,114,620) \end{gathered}$ | $\begin{gathered} \text { Ruiden } \\ \mathbf{2 , 2 9 6 . 7 2 5} \end{gathered}$ |
| Per'per | 1, 15,763 | 2,15,61! | 2,19,073 |
| Sular - | 460,891 | 312,415 | 109,785 |
| Arrack | 9,49.9 | 3,163 | 3,512 |
| dice - | 80,019 | 38.997 | 93,150 |
| llarsez | 7,340 | 3.740 | 2,500 |
| Indigo | 42,248 | 49,884 | 42,213 |
| Japan camphor * | 30 | 1,614 | 2,205 |
| Sties:- |  |  |  |
| Alace floves | 03,116 19,413 | 27,153 27,158 | 19,557 |
| Nutmegs | 84,515 | 90,996 | 43,851 |
| $011-$ | 11,519 | 14,554 | 4,152 |
| Tin - - | 144,891 | 140,2402 | 1;8,438 |
| Hirds' nests (edible) | 10.971 | 29,441 | 1.679 |
| Uther articles - | 184, 6.59 | 69,277 | 288,913 |
| Total - $\boldsymbol{f r}_{\text {Gulden }}$ | $\begin{array}{r} 3,291,1 \times 6 \\ 274.265 \\ \hline \end{array}$ | $\begin{array}{r} 3,166,385 \\ 263,481 \end{array}$ | $\begin{array}{r} 3,116,714 \\ 259,726 \\ \hline \end{array}$ |

Fareign ships are admitted to the ports of Batavia, Samarang, and Sourabaya, on a principle of reciprocity. They are, however, prohilited from engaging in the coasting trade, which is reserved exclusively for Dutch and colonial ships.
A large portion of the import and export trade of Jnva, especially the latter, has been engrossed by the Netherlands Commercial Company, estabished in 1819. But of late years the private traders bave been gaiaing on the Company; and were it not for the patronage that has been injudiciously accorded to the latter by Goveroment, its agents would most probably be driven from the field.
Tariff in force from January 1, 1866, ta January 1, 1872.

Art. 1.-On all articles imported for consumption into Java and Madura, the weit coast of sumatra, Benkoelen, the Lampong districts, Palembang, lanca, Billiton, and West, South, and East sections of Borneo, a duty shall be paid as specified in the following tariff, save on articles positively exempted.
Art. 2.-Besides the goods exempt from importduiy, the following also may be imported free.

1. All goods for the use or on acconnt of the Government.
2. a. All produce of the Netherlands East Indies where customs-duties are levied, as cotton goods, tohacco and cigars, must be followed by a certiticate of export. $b$. All the produce of other Netherlands East India possessions and of the Inland friendly States of the Eastern Archipelago;gambier excepted only on Java and Malura, besides woven cotton goods, tobaceo and cigars.
The probibitory stipulations relnting to the import of some articlea have nevertheless effect on these goods.
3. All gooda on which duty is paid at one of the Netherlands India custom-boards.
When a higher ciuty must be paid at the second
place of import, the goods cannot enter before the difference is paid.
4. Clothes, liaen, used furniture, and luggage of passengers (regalen), imported by them.
Art. 3.-An Export duty shall be paill on the articles, as specitied in the following list, when they are exported from the countries named in Art. 1.


Art. 4.-When goods subject to $n$ differential customs-duty are exported to the Netherlands, then the payment of the higher duties shall be warranted, aecording to the atipulations of the governor-gencral.
The lowest duty shall be levied only when it shall ke provel that the goods are landed in their entirety sithin the term fixed by the governor-general in a Dutch harbour, out of the same ship in which they had been laden.
The gover:ar-general may exempt from the higher duty when convinced that goods have been totally or partly lost at sea, or neeessarily laden in another ship.
The governor-general may also exempt from the higher duty part of a cargo landed in one of the Dutch harbours, when it has been necessary, in consequence of a disaster on sea, to sell the rest of the goods in a foreign harbour.

Art. b.- No export duty is to be paid on-

1. The goods exported for the use or account of the Government ;
2. The goods on which the duty is paid at one of the Netherlands Indies custom-boards.
When a higher duty is due at the second place of export, then the goods cannot the cleared before the differeace is paid.
Art. 6. -The rules about the import and export duties, and the particuler stipulations for MoeuraKompeh, in Djambi, fixed by resolution of the governor-general of April $\mathscr{L}^{*}, 1847$, shall continue to bave effect.
The governor-general may levy custom duties in those parts of the Dutch Iudies not indicated in Art. 10 where as yet no duties were levied; provided that this shall take place after a nondifferential tariff.
Art. 7.-On the import and export duties no additional cents are to be paid.
Art. 8. - Tho dock-ditics (entrepôt-gelden), those for loading from one ship into another, and those for weighing (waaggeld), are abolished.

The governor-gencral fixes the tariffs of payment for warehousing and watching goods, and other services rendered.

Art. 9.-No duties on the transit will be levied. Art. 10.-No import or export duties will be levied in the residency Riouw, its subjections on the east coaut of Sumatra, not including the government of Celebes and subjections, the government of the Moluccas, and the residencies Menado and Timor. The application of this atipulation in the western, southern, and eastern sections of Bornco is reserved.

Art. 11.-Necessary measures will be taken to maintain the excention of this law, and to prevent the duties being = vaded.

Bank of $B_{d}$ nnd other Batavia in 18 Sourabaya; structive. T $2,000,000$ flor kulseribed w favourable an success of the ever, had the began to enjo rapid increasc Jiva led to a and to the pay on loans; and consisted of ban the profits bee thatt they minot price of the 500 then also 1,550 ns brief as it bitant interest th bank to mak
A. Merchandise of

Arms, fire, likewise pa Hers, in hulk
in glass Honeblack
books, geographical
muvie, bound or not $\dagger$ Candles, wax, spermac Catriages, and parts of
Calive Clocks, watch
Clothes, waven ar knut Conts and coka -
Copper, rouph acoannt ship, múntrmetal, dre Copper manufacturid, Ware, and copper wira Copper in plates ior copp Rarthenware, pottery, nip
Fluur and meal
Furnitore
Furnitore
Fustage, new and emp Garnhier If.
(iold and silver inork, of a cold and silver, in lars o Gunjowder 9 lorsey, asses, and mules instruments, mathematic Iron, in lars, pleces, rod ways, tulees for watar con and wheels, ** iron prow Wareliouses, holta and na
1rinwork, finudet lew els, puarls, and all off lead, roughand and atl oth
leatemed, lead. ronghand thattenel, nachinery, steam, for th
tories. IAkewise parts tories. Lifrawise parts o
toneledged by the functi Maneledged by the runcti
Mafactures, of cotton printed, lites, of cotton, wonllen, $h$ and all ather sorts, not pa Hanure
enat of alt sorts, salted o (numperateel
Mercery to
ercery ft
pium : Malwa -
Painterty colaurs and l'ersl

- Save existing or futura
eparately and ack nowledged
Prints and ent Prints and engravings, in I Thilway carriages and pa e fiavernohtent.
The cuasom duty shall on Conaine the exlating or fit sis Cartiage axles or ind whe an t When neceusary, and whe if Sare the exlaty, the goy if When imported or futui

Bank of Batavia.- $\Lambda$ bank, for the issue of notes and in Java, as elsewhere, issues of paper payuble and other banking business, was established at Bataria in 1827, with branches at Samarang and Sourabaya; the history of which is not uninstruetive. The capital of the bank, cousisting of 2,000,000 florins, divided into 4,000 shares, was subseribed with difficulty; and the most unfavourable anticipations were entertained of the suceess of the establishuent. No sooner, however, had the bank been set on foot, than she becran to enjoy a large share of prosperity. The rapid increase of cultivation and commerce in Java led to a corresponding demand for capital, and to the payment of a very high rate of interest on loans; and as the loans made by the bank consisted of bank notes, which cost next to nothing, the prolits became quite enormous; so mach so that they amounted in 1837 to 33 per cent., the price of the 500 florin share of bank stock leing then also 1,550 lorins. But this prosperity was as brief as it was signal.-The offer of an exorbitant interest had tempted, in not a few cases, th : bank to make advances on doubtful security;
on demand necessarily stop the moment the cirenlation has been fully saturated with notes ; und this result having been attained in 1838, and the notes issned by the bank being heneeforth returned on her for payment, she speedily became involved in the greatest dillieulties; many of those who depended on her advances for support were no longer able to meet their engragements; and the whole island was subjected to a severe pecuniary end commercial crisis: in fact, but for the intervention of the Government, in 1810, when bank notes were made legal tender for a limited period, she must have stopped payments! This intervention gave her time to recover from the difficulties into which she had been precipitated; and after sustuining a very heavy loss, she rosumed specie payments. At present the maximum amount of notes which the bank may issue is fixed from time to time by the governorgeneral. In 1846 she was prohibited from makingr any dividends till the losses her capital had sustained during the crisis were mate goot.

Tariff of Customs Duties to be levied in Java and Madura §e, 1866-1872,
A. Merchandise of certified Dutch origin or mannfactured in the Netherlands.
B. 1 mported from or mannfactured elsewhere.

| Articles | Hate | Duties |  |
| :---: | :---: | :---: | :---: |
|  |  | $\underset{\substack{\text { During } \\ \text { 1866, } \\ 1668}}{ }$ | During 1869 and following years |
| Arms, Gre, likewise parts of fire*arms* | value | $\mathrm{A}_{6 \text { per } \mathrm{ct.}} \mathrm{~A}$ | $\mathbf{A}_{6}{ }^{\text {per ct. }} \text { B }$ |
|  | 100 litrs | $2.2 \text { fis. } 4 \text { 月. }$ | $\begin{aligned} & 2^{\circ} \mathrm{flse}_{5} \quad 3 \text { tis. } \\ & 2.25 \text { As. } \\ & 3.50 \mathrm{~ns} . \end{aligned}$ |
| Punublack - - - - - - - - | - |  |  |
| Books, geagraphical and hydrographical maps, engravings, prints, music, beund or not $\dagger$ | $100{ }^{\text {n }}$ | free | free |
| Candles, was, spermacetl, stearine, and composition $\quad$ : Carriages, end parts of carriage $\ddagger$ | $100 \mathrm{n} . \mathrm{pd}$ value | $20 \mathrm{tl} 3 .$ |  |
|  | - | per ct. free ${ }^{20}$ | per ct. ${ }_{\text {free }} 16$ per |
| Clocks, watches, end pendults . . - - . . - | value | 10 per ct. | 10 prer ct. |
|  | velue | 10 per ct. | ${ }^{10}$ per ct. |
| Cocoannts end cocoanut oll | - | Fres | free |
| Copper, rough and dressed, inctoding sheets and leaves for sheathing ships, muntrmetal, belte and nais. | - | free | free |
| Copper manufacturad, painted and lacquered or nat, plated and bronce ware, and copper wire | value |  |  |
| Coapere in plates int capper coht, or capler coin $\$$ - | value | prohihited | prohibited |
|  | c | 10 per ct. 20 per ct. free | 10 per ct. 16 per ct. free |
| Flunr and meal - . . - . . - - |  | 10 per et. 20 per ct. | 10 per ct. 16 per ct. |
| Furniture - - | - | 10 peret. 20 prer ${ }^{\text {cos }}$ | 10 prect. 16 peret. |
| Fustage, new nnd empty : $\quad: \quad . \quad \pm \quad . \quad . \quad$ - |  | 10 per ct. 20 per ct. | 10 perert. 16 per ct. |
|  | $100 \mathrm{n}, \mathrm{pd}$. velue | 10 per et. 20 perct. |  |
| tiold and silver, in hars or pieces, golddust and coln | - | free | tree |
| (innpowder of work, | value | 6 per ct. | 6 per ct. |
| Horses, asses, and mules - - . - . | - | tree | frue |
| instruments, mathematical, physcal, chirurgical, optical, and misical | - | free | tree |
| instruments, mathematical, physical, chirurgical, op tical, and masicai Iron, in bars, pleces, rods, or aneets! rallway bars, ${ }^{\text {s carf naila }}$ for rail- |  | free | free |
| ways, thies for water conductors; iron gas tuben, founded or cast, as les and wheels,** iron prows or loading leocts ; frames for iron buildings or warehouses, holts and nails, iron wire, ships' anchors, ehains, capstana | - |  |  |
| Irnwort, foundel or forged, not otherwise enumerated Jevels, prarls, and all otfer preciou; stones, set or unset |  | 10 per et. 20 per et. tree | 10 jucr ct. 16 per ct. |
| Lead, roukh and tlattened, manutactured, and not otherwise enumerated | value | 30 per ct. 20 per ct. |  |
| leathersmd leatherwork - - - | value | 10 per ct. 20 jere $\mathrm{c}^{\prime}$. | 10 yer ct. 16 juer |
| machinery, steam, for the use of agriculture, mining, and manufac* tories. Lirewise paris of machinery, provided that this can be ac- |  |  |  |
| tnnwiedged by the functionaries | value | frie 5 per ct. | free 4 perct. |
| Manafactures, of cotion, not made up, white ar hleached, dyed or printelf, linen, woollen, hemp, flas, and tow ; ribion asid band, lace, and all ether sorts, not parthularly enumerated |  |  |  |
| and all ather sorts, not parthularly enumernted : $\quad$ Manure | value | 10 per ct. 20 per ct. free | 10 per ct. 16 per ct. free |
| Meat of all sorts, salted or prescrved in any other way, not otherwise |  |  |  |
| mumeraterl <br> Mercery $\dagger t$ | $\begin{aligned} & \text { valne } \\ & \text { value } \end{aligned}$ | 10 per ct. 20 per ct. 6 jer ct. | 10 per et. 16 per ct. 6 per ct. |
| Mineral water, natural or artificial - . - - - * | 100 bottles in stone or glase. | 6 0is. | 6 fl. |
| Opium: Patna and Henares $\ddagger$ - | - per chest of 62 | 350 As, | 350 fls |
| Malwa. <br> Levant and jersia |  | 2.50 fs . 200 fl. | $\begin{aligned} & 230 \mathrm{gs} . \\ & 200 \mathrm{tls.} \end{aligned}$ |
| Painter's colonrs, ground with oil or nnt, and linseed oil |  | 6 per ct. 10 per ct. | 6 per et. 10 per ct. |

- Bave existing or future prohithitory stipulations. The prohibition dows nat hiclude the arma for sportsmen, which muat be imparted xparately and actnowledget as such by the eustom functionaries.
upprely, and enkravinge, in frame, as Furniture.
\# hallway carriages end parts of them are free of duty.
The prohlbitory stipulation is nat applicable to platet for copper coin, and copper coln which is imported on account end for the ure of
te (iovernnient.
The custnm duty bhall oniy be paid on Imports Into Jave and Madura. Elsewhere gamhier is free of duty,
Tse the eaining or fiture prohilitony stipulations. The prohibition dues not melude fowling, gunpowder (crepef, Imported in boies evainining In. pd. or : $\mathrm{F}=\mathrm{s}$, and with permistion of the local authatities.
se Carriage saies and wheels imported to pay the same duty as carriages.
\#When neceseary, the govermor general will apecify the other articles to be classed under Mercery.
\# Sive the existind or future prolibitory stipulation.
if When imported in chesta containing a farger quantity, the dutv will be comparatively increased.

Tariff of Customs Duties－continued．
A．Nerchandise of certified Dutch origin or manufactured in the Netherlands．In．Fmported from or manufactured elsewherc．

| Articles | Rate | nuties |  |
| :---: | :---: | :---: | :---: |
|  |  | Duriog 1866，1867，and Incs | During 1869 and Followink years |
| Paper of all sorts．Paper haogings，nusic，coloured，card，pastihoard， |  |  | $\boldsymbol{A} \quad 11$ |
|  |  | 10 per ct． 20 per ct． 10 per ct． | 10 per ct． 16 per ct ． |
|  |  | toper ct． | 10 perct． |
| Pitch－－－ |  |  |  |
| Playing cards＊－ | ralue | 10 per ct． | 30 peret． |
|  | 二 |  |  |
| Ropr and cordage of all sorta－ | value | free 5 perct． |  |
| Sailctoth－－－－¢－－． | vilue | lree ${ }^{\text {s per ct．}}$ | free 1 per ct． |
|  |  | prohibled | prohilited |
| Silk．manufuctured and ribhons｜$\quad . \quad . \quad . \quad . \quad$. | 100）litres | 6 per ct． | 6 per Ct ． |
|  | 100 - | 20 frs． | 20） 0 as． |
| brandy of all sorts，Cagnac，rim，arrack，in bulk dinto glass | ＝ |  | y7 fis． |
| Siqueurs，wweetened，of all sorta－－－ |  | 40 tls ． | 40 fa． |
| Steel，rod，plate，sheet，vallway hars，scarf nails for rallwass manufactured，not other wise enumerated | value | $10 \text { per ct. } 20 \text { per et. }$ | $\begin{aligned} & \text { free } \\ & 10 \text { per ct. } 16 \text { per ct. } \end{aligned}$ |
|  | 100 bottles | As Ifqueurs．see Spirits． | As liqueurs．See Spirita |
| Tar or wood，sawn or not，ship and building timber，Including | 二 | free | As iqueurs．free see Spiriti |
| pole nod mastr，oars and spars－ |  | free |  |
| Timber or wond，$\ddagger$ dressed and prepared for use－－－ | value | prer ct． | 6 per ct． |
| Tobacco，in leaves，stemmed or unstripped，all manufactured sorts not | $100 \mathrm{n} . \mathrm{pd}$ ． |  |  |
|  | 二 | 30 tls． 40 fls ． 2010 tls． 30 fls． | $30 \mathrm{els}$. 40 fs． 260 ils． |
| Victuals，not otherwlse enr：aterated－．．．．－－ | value | 10 per ct． |  |
| Viuegar，all sorts，in hulk in glass $\quad=\quad \pm \quad 0 \quad 0 \quad 0$ | 100 －res | $\begin{array}{r} 20 \mathrm{~s} . \\ 2.50 \text { its. } \\ 5 \mathrm{tm} . \\ \hline \end{array}$ | $\begin{aligned} & 9 \text { fls. } \\ & 2.50 \text { its. } \\ & 4 \text { fis. } \end{aligned}$ |
| Winc，in bulk－$\quad=-\quad-\quad . \quad$－ | 100 litres | 9 | 99 tis． |
|  | 100 bottles | 8 fs． 10.50 ta |  |
| Writing and drawiog necessities $\frac{5}{5}$－．．．．．－ | value | ${ }_{6} \mathrm{perect}$ ． 10 peect． | 6 per ct． 10 per ct． |
| Yarns，cotton or woollen other sorts |  | 10 per ct． 20 per ct． 6 per ct． | 10 pir ct． 16 per ct． $f$ fer et． |
| Zina，rough and flattened，plates and sheets for sheathing hips，nails end bolts－ |  |  | free |
| All other artictes，not particularly enumerated，or not incluted in those |  | 10 per et． 20 perct． | 10 per ct． 16 perct． |
| mentioned above | value |  | 6 jer ct． |

－The prohibition is not applicable when satt is Imported on account of
Java and Midnira which are or shail be cscepted by the governor general．
$\dagger$ Exclusively manufactured of sith．Mizel stuffi as Manufacturcs of cotion．
Exclusively manutactured of sift．

+ Fustage ant cooper＇a work excepted．
Paper excepted．

Gencral Remarks on Java．－The previous state－ ments show that the prodice and trade of Java have increased during the last 30 years with a rapidity unknown in any other colony，Cuba， perlaps，excepted．And if the resourees and capabilities of this noble island be fully developed， it is quite impossible to say how much farther her trade may be extended．It would far exceed our limits，and，cven were this not the case，it would involve us in discussions nowise suitable for this work，were we to enter into any detailed eyami－ nation of the means by which the extension of culture in Java has been brought about．We may，however，shortly mention that the produce for exportation is principally raised on account of Government，partly by contributions in kind from the cultivators，these being，in fact，the rent of the land which the latter occupy，Government being here，as in Hindostan，the only，or，at all events，the paramount proprictor；and partly by a system of corvée or compulsory labour established or one－fifth part of the lands applicablo to tho culture of riee，of which Government has resumed the possession．And，provided these contributions and corvées be not carried to excess，wo incline to think that they are at onee tho least onerous mode in which the natives can bo made to pay their taxes，and tho most profitable for tho Go－ verument．It is，we apprehend，idle to suppose that industry，if left to itself，will ever become flourishing in a country like Java，where tho wnuts of the inhabitants are so few and so easily sutisfied，and where the climate indisposes to exertion．No doubt the system of compulsory libour may be easily abused and converted into
an instrument of the most grinding oppression； but so long as it is managed with discretion and good sense，we are disposed to believe，from all we can learn，that it is preferable to every other system hitherto devised for developing the re－ sources of tropical countries．（Temminck，Pns－ sessions Neerlandaises dans l＇Inde Archipelagiqne i． 237 \＆e．）
Very great public improvements hava also been already effected，and are still in progress，in the island．Among others，an excellent high road has been constructed through its whole length， from Bantam on its W．to Sourabaya on its E ．＇ coast，whence cross roads lead to all the principal stations．A number of forts have also been era－ strueted in commanding situations in the interior， the principal of which at Surackarta，near the centro of the island，is a regular and strong citadel．It is said to be intended to transfer the scat of government thither from Batavia．These forts have been erected principally to keep the natives in check，and to prevent those ont－ breaks that have done so much to rotard the prosperity of tho island．Several important establishments have also been recently founded along the S ．coast，which had previously been all but neglected．（Argout Sur Java，Singa－ pore \＆c．）
Rice used to be the staple product of Java；but it is now far surpassed by coffee and sugar，the culture of both of which has been astonishingly increased．In proof of this we may mention that the exports of coffee，which in 1880 amounted to 288,740 piculs，had increased in 1854 to $1,017,596$ do．or to 60,571 tons ；while the exports of sugar，
which in increased in tons．Mor tres in Bata Indigo ha The other p Banea，tobat
The impo other manu with iron，ha the Levant a of other artic Port Regu stance of th The comman not to land hi passengers to a boat from $t$ landing，is fir and afterwar office．－3． 1 ， be delivered a of the ship＇s master of a $\mathbf{v}$ with the mast which are dul receives his $p$ thority．－ 5 ．No after sunset，ur No goods can

Rates of Duty

Totat

Account of the

## Principal and other

[^11]which in 1830 amounted to 108,640 piculs, had special permission from the water tiscal, which, increased in 1854 to $1,793,510$ piculs or 106,756 however, is never refused on application.--і. tons. More than half the trade of the island cen- No muskets or ammunition can be imported; but tres in Batavit.

Indigo has ulso beconie an important product. The other principal articles of export are tin from Banca, tobaceo, tea, and birds' nests.
The imports comprise cottons, woollens, and other manufactured goods; wines and spirits, with iron, hardware, and machinery ; opium from the I.evant and from Bengal ; and a great variety of other articles.
the prohibition does not extenil to אowling pieces exceeding 100 florins valuc.
Moucy,-Aceounts are kept, at Batavia, in the florin or muilder, divided into centimes, or 100 parts, represeuted by a copper coinage or doits. The florin is a new coin made expressly for India, but of the same value as the florin current in the Netherlands. It is usually estimated at the rate Port Regulations.-The following is the sub- of 112 to the pound sterling, but the carrect par is stance of the port regulations of Batavia: 1. the coins of continental India, are receivable at The commander of a ship arriving in the roads is the Custom-house at a inxed tariff; the Spanish not to land himself, or permit any of his crew or passengers to land, until his vessel be visited by a boat from the guarl ship.-2. The master, on landing, is first to wait on tho master attendant, and afterwards report himself at the polico office.-3. A manifest of the whole cargo must be delivered at the Custom-house within 24 hours of the ship's arriving in the roads.-4. The master of a vessel must lodge the ship's papers with the master attendant when he first lands, which are duly delivered up to him when he receives his port clearance from the same au-thority.-5. No goods can be shipped or landed after sunset, under a penalty of 500 florins.-6. No goods can be shipped on Sunday without a

Ratcs of Drty levied, and Amount of Duty receired, on the various Articles importcd into the Islands of Java and Madura, in the Years 1861-1863.

| Articles | Rates or Duty | Amount of Duty Recelvel |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 1861 | 1862 | 1863 |
| N1:unfacturen: | per cent. | galden | gulden | guiden |
| Wonlten: |  |  |  |  |
| From Holland with eertificate ${ }^{-1}{ }^{\text {All }}$ - ${ }^{\text {a }}$ - | $2{ }^{124}$ | 5,801 85,137 | 85.972 | 2,5.0. |
| Linen and cotton gools: |  |  |  |  |
| From Holland with certificate - - | 12.4 | 1,06ff,829 | 1,109,\%20 | 816,692 |
| All other countries of Europe and America | 25 | 2,929,238 | 2,351,814 | 2,140,710 |
|  | 12 and 21 | *,750 | 6,124 | 8,901 |
| Coton and woollen: From countries eastward or tio | 2.5 | 13,141 | 15,409 | 13,380 |
| Furniture - - - | 12 and 24 | 39.813 | 45,345 | 40.3932 |
| Provirions from Europe and America - - - | 12 and 44 | 259,952 | 249,109 | 246,931 |
|  | $12 \text { fl. per plcut }$ | \} 837,759 | 860,593 | 788,501 |
| Wine and other leverages Copper, fron, ateel, and wares thereof Miscellaneoua | $\begin{gathered} \text { (tarití) } \\ \text { per cent. } \\ 6,12, \text { and } 24 \\ 6,10,12, \text { and } 24 \\ \hline \end{gathered}$ | $\} 1,722,567$ | 1,695,002 | 1,655,698 |
| $\text { Total }-\quad-\quad\left\{\begin{array}{c} \text { Gulden } \end{array}\right.$ | - | $\begin{array}{r} 7,618, \times 10 \\ 586,567 \\ \hline \end{array}$ | $\begin{array}{r} 6,3 \times 3,6 \% \% \\ 531,973 \\ \hline \end{array}$ | $\begin{array}{r} 5,7 \times 0,669 \\ 481.881 \\ \hline \end{array}$ |

Account of the Quantities and Declared Values of the Principal Articles of British Produce and Manufacture exported to Java in 1862-1866.

| Principal and other Artleles | Quantitles |  |  |  |  | Declared Real Value |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1862 | 1563 | 1864 | 1865 | 1866 | 1862 | 1863 | tSG1 | 1865 | 1866 |
| Apparel and haherdashery value |  |  |  |  | - | 2 | $\underset{2,494}{ }$ | $\underset{3,609}{\boldsymbol{e}}$ | ${ }_{4}^{4} \mathbf{4} 59$ | $\underset{y, 964}{ }$ |
| Heer and nle - barrels | 222 | 370 | 742 | 919 | 5.79 | 1,149 | 1,851 | 4,014 | 4,721 | 2,441 |
| Coals, cinders, and culm - tona | 41,819 | 29,473 | 22,450 | 23.015 | 18,31\% | 17,338 | 12,925 | 10,510 | 11,326 | 0,141 |
| Copper, wrought and unwrought - - - ewts. | 2,897 | 4,791 |  |  |  | 13,276 | 10,299 | 15,706 | 15,286 50,1096 | 9,061 77950 |
| Cotton yarn tio the | 26,335,112 | 644,073 | 419,165 | 30,911, ${ }^{48188}$ | 62, $\begin{array}{r}791,196 \\ 290,326\end{array}$ | 38,4,52 | 66,156 | 49,119 <br> 556,61 | 304, 961 | 1,471,950 |
| Cottona, entered by the yard yarda at value- value | 26,322,463 | 16,165,927 | 20,\%06,210 | 30,941,969 | 62,290,326 | 496,1810 9,113 | 411, 1189 | 556,614 | $\begin{array}{r}704,961 \\ 8,240 \\ \hline 8\end{array}$ | $1,431,059$ 26,481 16,019 |
| Earthenware and porcelain " | 二 | 二 | - | - | - | 31,40 ${ }^{\text {a }}$ | 26,4.58 | 24,982 | 24,331 | 16,949 |
| (ilass manufactures - " | - | - | - | - | - | 4,914 | 2,899 | 2,651 | 1,393 | 1,509 |
| Hardwares and cutiery; ewta. unenumerated - | 3,273 | 2,780 | 1,721 | 2,387 | 2,899 | 15,503 | 10,514 | 8,518 | 8,382 | 8,218 |
| $\mathrm{lran}_{\text {wrought wrought and }}{ }^{\text {and }}$ - tons | 2,588 | 3,051 | 2,734 | 2,636 | 3,892 | 23,706 | 26,489 | 22,079 | 23,685 | 39,846 |
|  | 23, 27 | 5, 55 | 2,933 | 405.749 | 426, 68 | , 645 | 1,172 | 2,065 | (618 | 9,95 |
| Linens, entered hy the yard yards | 93,004 | 203,649 | 202,501 | 404,744 | 426,686 | $\begin{array}{r}5,579 \\ 21,164 \\ \hline 15\end{array}$ | 8,525 4,680 4,50 | 9,54 $\mathbf{3 , 6 6 4}$ | 17, 203 | 19,442 <br> 14,745 |
| Machinery: Steain engines value | , | - | - |  |  | 21,1484 27.255 | 4,680 9,402 | 21,364 | 14,911 | $\begin{array}{r}14,745 \\ 8,306 \\ \hline\end{array}$ |
| Snap - Ali other sorta . ${ }^{\text {efts }}$ | 11,448 | 10,033 | 10,517 | 10,214 | $\overline{13,473}$ | 11,149 | 10,697 | 9,66ix | 9,417 | 13,412 |
| Tinplates - - value |  |  |  | $\cdots$ |  | 1,381 | 1,756 | $\mathbf{y , 7 4 7}$ | 105 |  |
| Woollens, entered by the yard (inclading those for- |  |  |  |  |  |  |  |  |  |  |
| merly entered by the piece) yarda | 176,811 | 220,812 | 182,598 | 147.833 | 221,471 | 13,55S | 13,082 | 13,9,55 | 11.019 | 21,929 |
| Woollens entered at valua - value | , |  | , | - | - | 1,122 39,596 | 18,781 | 25,940 | 18,298 | 21,690 |
| All other articlead - * " Total | - | - | - | - | - | (776,411 | $\frac{18,781}{650,4 \times 4}$ | $\frac{25,914}{96,4511}$ | $\frac{18,2 \times 6}{947,735}$ | $\frac{1,725 \times 58}{}$ |

Rates of Duty levied on the sevcral Articles exported from the Islands of Java und Mudura，in the Ycars 1861－1863．

| A rictes | Hates of Juty |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | ＇To Dutch l＇arts |  |  |  | To Foreign Ports |  |
|  |  | In Itohand |  | In the East Judies |  |  |  |
|  |  | $\ln \text { Wotch }$ | laFurelgn Vestrls | In Jutelh Tessely | In Foreign Yessels | In butch Yement | In Foreikn Vobeds |
| Cuffer ：$\quad=$ | Ad vatorem per pricul | $f$ fiper cent． 1 gulden | 12 ן 2 gulden | 12 per cent． 2 guldin | 12 per cent． 4 gulden | 12 pur cent． 2 pitden | 12 jer cent． 2 gulden |
| Supar－－ | Ad valorem |  | ${ }_{6}^{6}$ per cent． | tiper cent． |  | 6 juer cout． | 6 per cent． |
| Arrack－－ | l＇er legger | Free | $6{ }^{6} 10$ cails | Free | 6 \％ | Free |  |
| Rice－： liorses Lice | Eachicul | lill rents | 10 cents 40）gulden | lil conts | 10 crint 40 gulden | 10 cents 20 gulden | 10 cents 41）gulden |
| Jlorses | Feril | \％cents | ${ }^{\text {a }}$ i11 cents | a gulden 10 cents | 40 pulden 10 cenfs | 20 gutien | 40）gulden if cents |
| dapan camphor | Halle | 3.50 gulden | 7 gudien | 7 gulders | 7 gublern | 7 gulden | 7 gulden |
| Spleex： Sace－ | Picul |  |  |  |  |  |  |
| Cloves：－ | P＇ | 4．50＂ | 19 ＂ | 19 ＂ | 19 ＂ | 19 ＂ | 19 ＂ |
| Oil ${ }^{\text {Nuthegs }}$ ： | ＂ | 9：30 | $19 \%$ | 19， | 19 | 19 190 | 19 ＂ |
| Tin ：$\quad=$ | ＂ | $2{ }_{2}$ | 4 | 4 | 3 | ${ }_{4}$ | ${ }_{4}{ }^{\text {\％}}$ |
| Mirds＊${ }^{\text {nusis }}$（extible） | Ad valorem | 6 per cellt． | 12 jur cent． | o per＇cent． | 12 jür cent． | 6 per cent． | 12 pér cent． |

Seconnt of the Quantities and Computcl Valucs of the Principal Articlcs inportcd from Java into the United Kingdom in 1862－1866．

| 1rincipal and other Articles |  |  | Quantitles |  |  |  |  | Computed Real Value |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1862 | 1863 | 1864 | 1865 | 1866 | 1862 | 1863 | 286． | 1865 | 1866 |
| Canes：rattans，not ground | －－ | number | 364，038 | 260,052 | 252，316 | － | 37，651 | ${ }_{6}^{ \pm}$ | ¢ <br> 83 <br> 1 | $\underset{605}{\text { f }}$ | $\underline{\text { E }}$ | ${ }_{5}{ }_{98}$ |
| Croutchuse－－ | －－ | cwis． | 17\％ | 493 | － | － | 91 | 1，306 | 3，671 | － | － | 934 |
| Coffie ${ }^{\text {c }}$ | －－ | ＊ | 1，172 | 311 | $2 \mathrm{2F}$ |  | － | 3， 49 | 120 | 531 |  | － |
| Hides，not tanned | ： | jbs． | 892 | 1，470 | ［175 | － | － | 3，039 | 125 86 | 531 | － |  |
|  | － |  | 141，$\overline{\text { f1 }} 11$ | 5，3695 | 137，467 | 二 | － | 2，$\overline{361}$ | 783 | 2，076 |  |  |
| Rice，not in the husk | －－ | cwis． | 11，836 | 8,464 | 15，686 | － |  | 12，903 | 7，144 | 12，371 | $\cdots$ | $\overline{0}$ |
| Sugar，unrefined | $::$ |  | 53，73s | 6，751 | 二 | 二 | 3，699 | 69,216 3,823 | 8，391 $\mathbf{1 , 0 7 6}$ |  |  | 7,046 7.1 |
| Atl other articles－－ Total | －－ | value $-\quad$. | － |  |  | － | － | ［ $\begin{array}{r}3,823 \\ 03,336\end{array}$ | $\frac{1,076}{22,417}$ | $\frac{1,091}{16,749}$ | $\frac{226}{246}$ | \％ 71.1 |

BATTEN．A name in common use for a scautling of wood $2 \frac{1}{2}$ inches thick and 7 wide．If above 7 inebes wile，it is called deal．

B．AZAAK．A term used in the East to desig－ nate a market，or building in which various articles of merehandise are exposed for snle． Bazaars are now met with in most large cities of Europe．There are several in London，of which the one in Soho Square is the most con－ sidernble．The largest of Eastern bazaars is snid to be that of Tauris in Armenia，whieh is reputed to contain 15,000 shops，in which every kind of merchandise is exposed for sale．The bazant of Ispalian encloses a square，which would，it is said，hold an army of near 40,000 nien．That of Constantinople was built by Mahomet II． Sometimes these bazaars are devoted to the sale of special commodities，as drugs；and gencrally， when they are large，particular streets and dis－ tricts are occupied by traters of one kind only．

BDELLILM．This gum resin is of two kinds， known as Indian annl African，the former produced by a tree found in India and Madagascar，and called Amyris commiphora．The latter is said to be the produce of Heudelotia africana，a uative of Senegal．It is found either in small and somewhat globular pieces，of a reddish colour， semitransparent and brittle，with a wax－like fracture；or in large irregular lumps of a dark brownish－red colour，less transparent，somewhat tenacions，and adhering to the teeth when chewed． Its medical properties are somewhat analogous to those of myrrh，but it is seldom used in modern pliarmaey．（Wood and Bache，Unitcd States Dis－ pensatory．）

BEACONS．In Commerce and Navigation， public marks or signals to give warning of rocks， shoals \＆c．No man is entitled to erect a light－ house，beacon \＆e．without being empowered by Jaw．The Trinity House corporation are au－ thorised to set up beacons in whatever places they
shall think fit；and any person who shall wilfully remove or run down any buoy，beacon sc．be－ longing to the Trinity House，or to any other eor－ poration，individual or individuals，having au－ thority to establish it，shall，besides being liable to the expense of replacing the same，forfeit a sum of not less than 10／．nor more than 50l．for every such offence．（ 6 Geo．IV，c． 125 s．91．）［Buovs．］ IBEADS（Fr．rosaires；Ger．rosenkriinze；Dutch， paternosters；Ital．corone；Span．coronas）．Small globules or balls used as necklaces，and made of different materials；as pearl，steel，amber，garnet， coral，diamonds \＆c．But those of crystal or glass，generally ealled bugles，are by far the most extensively produced，and form，indeed，how in－ considerable socver they may appear，an important commercial article．Roman Catholics use them in relearsing their Paternosters and Ave Marias； nod besides their consumption for these and other purposes in Europe，they are largely exported to Africa，the West Indies，India de．They are produced to a grenter or less extent in most parts of the Continent，but principally in Venice，which is，and has long been，the griand seat of their manufacture．In 1865 we imported the enor－ mous quantity of $3,365,221$ liss，beads，of which no fewer than $3,054,763 \mathrm{lbs}$ ．were brought from Venice；the residuc mostly came to us from Bohemia，through the Hanse Towns．In 1866 we imported $3,438,587$ lls．We re－export them in very large quantities to the places referred to above．Beads are，also，made in China，and sent to India and elsewhere．

The non－manufacture of beads in this country used to be ascribed to the influence of the glass duties；but the repeal of the latter has had little or no effect on their production．The truth is， that the colours of the Venetian beads，and their finish，are decidedly superior to those of the beads produced here and in most other places， Beads have fallen greatly in price of late ycars．

Those made fanciful sort tions are ex BEANS fiuss．boobi
known yege tivated both is of much in as it has for loams and cl lowish bean， Shangtung Mancluria， Ningpo，and employed in for cooking a the same or Dolichos soja
China，Clines China，Cliines
Bean of $S$ ． Ignatic，a nat the size and sl twenty sceds． tity of two alk． sess the poison
They are not found in the $U$ Bean，Tonka or Coumarona o An oblong pod able，aromatic but it is also en
BEAVEP

BEAVER．
BEECII（ $F$ a
met with every
one species，tho
from the differer siderable quantit ern parts of Bucl ing：as it soon ro ns piles in place is manufactured which its great render it superio lso extensively
BEFF．The fresh or snlted． firmilies，at least of salt beef in Oc for their consum but in consequen of markets wher obtained，the pra and the quantity compared with fr Large supplies o pared at Cork．as to the East and
large supplica large supplies we the navy．＇lhe
trade，and in sho visious．
Tho English ha sumers of beef；a used in London，n than anywhere e portation of fresh beef from a foreis charged with a du year the duties 8s， 4 dad．per ewt．， repealed．In 1860 beef amounted to visions．］
BEERR．［AIE
BEET，Certai

Those made in France are mostly of the finer and fanciful sorts, on which gilding and other lecorations are expended. (Privute information.)

BEANS (FIr. feves; Ger. bohnen; Ital, fave; Rnss, boobii; Span. nabu; Lat. fabee). 1 wellknown vegetable of the pulse species, largely enitivated both in gardens and fields. Its cultivntiou is of much importance in rural economy, inasmuch as it has gone far to supersede fallows on strongr loams and clays. There is a round white or yellowish bean, grown priucipally in the north at Shancrtung and Chih-le, and in the south of Manchuria, und largely exported to Shanghai, Ningpo, and other Chinese ports. They are chielly employed in the manufacture of oil, used both for cooking and lighting. Soy is prepared from the same or a closely nllied kind of bean, the Dolichos soja. (Lockhart, Mcelical Missionary in China, Chincse Repository, \&c.)
Bean of S. Igmatius.-The fruit of the Stryehnos Ignatia, a native of the Philippine Islands, is of the size and shape of a pear, and encloses about twenty seeds. These seeds contain a notable quantity of two alkaloids, strychnia and brucia, and possess the poisonons properties of these substances. They are not used in British pharmacy, but are found in rhe United States Dispensatory:

Bean, Tonka.-The seed of the Dipterix odorati, or Coumarona odorata, a tree growing in Guiana. An oblong pod contains a single sced, of an agreeable, aromatic odour, chiefly used to flavour snuff, but it is also employed in perfumery.

## BEAVER. [Skins.]

BEECII (Fagus sylvatica). A forest-trec to be met with everywhere in England. There is only one species, the difference in the wood proceeding from the difference of soil and situation. $A$ considerable quantity of beech is grown in the sonthern parts of Bueks. It is not muth nsed in building, as it soon rots in damp places; but it is used as piles in places where it is constantly wet. It is manufactured into a great variety of tools, for which its great hardness and uniform texture rencler it superior to all other sorts of wood; it is also extensively used in making furniture.

BELEF. The flesh of kine. It is used either fresh or salted. Formerly it was usual for nost fannilies, at least in the country, to provide a stock of salt beef in October or November, whielh served for their consumption until the ensuing summer; but in consequence of the c.iversal establishment of markets where fresh beef may be at all times obtained, the practice is now nenrly relinquished, and the quantity of salted beef miade use of as compared with fresh beef is quite inconsiderable. Large supplies of salted beet are, however, prepared at Cork, and other places, for exportation to the East and West Indies. During the war large supplies were also required for vietualling the navy. The vessels engaged in the ceasting trade, and in short voyages, use only fresh provisions.

The English lave at all times been great consumers of beef; and at this moment more beef is used in London, as compared with the population, than anywhere else. Previously to 1842 the importation of fresh beef was prohibited; and salt beef from a foreign country was at the same time charged with a duty of $12 s$. per evet. But in that year the duties on both sorts were reduced to 8s, 43 d. per cwt., and in 18.16 they were wholly repealed. In 1866 the imports of salted and fresil beef amounted to 232,918 ewt. [Catitle; luovisions.]

## BEER. [Ale and Beer.]

MEETP. Certain plants, originally grown near the sea, and which belong to the natural order

Chenopodiacere, luve long ago been employed for domestic and agricultural purposes, under the uames of beet and mangold. They are charaterised by containing a large quantity of sugar, and the enltivation of the beet and the extraction of this sugar form an important and increasing industry iu central Europe.

This cultivation was the consequence of the exclusion of colonial produce from Frauce during the continontal war, and notwithstanding the great increase in the growth of cane sugar, that of the bect has grown and is growintr rapidly, The French agriculturists reekon five varieties of beet, grosse rouge, petite rouge, jaune, blanche, and veinée de rouge. The richest in sugar are the yellow and red, but the percentage varies with the soil and the season. $\Lambda$ beet crop is an excellent rotation to grain.

As the bect root sugar is chemically identical with that from the cane, it can be fermented and become a wash for spirits. The distillatiou of spirit from beet was hardly known in France before 18.10, when it is said that only 30 hectolitres were mannfactured. After the oidium attacked the grape, the produce of beet-root distillation increased enormously, and it has probably by this time reached 400,000 hectolitres $(8,800,000$ gatlons).

For the statistics \&e. of the beet root sugar produce of France \&c. see Sugati.

BELL-METAL (Fr. métal de fonte on de cloches; Ger. glockengut ; Dutel, klokspys; Spar. campanil; Russ, koloklnaja mjed). A composition of tin and copper, usually consisting of 3 parts of copper and 1 of tin. Its colour is greyishwhite; it is very hard, sonorous, and elastic. Less tin is used for chureh bells than for clock bells; and in very small bells a little zinc is added to the alloy. (I'homson's Chemistry.)

IEN (Fr. ben; Ger. salbuüse ; Duteh, behenmoten; Swed. bennotter; Span. anais unguentarias; Ital. noce di been, ghiande unguentarin). T'be nut of a kind of tree known to botanists as Guidendina bonduc, originally brought from tropical Asia, but now cultivated successfully in central Europe. The sced is a cone, containing a number of triangular seeds, about the size of a hazel nut, these seeds holdinir a white and sweet kernel, which gives on expression a large quantity of qil. This oil is particularly free from mucilaginous admixture, and therefore does not solidify. IIence it is exceedingly useful for watchmakers, and other mechanicians who need a lubricating oil which loes not readily congeal. It is also free from any disposition to grow rancid, and it thus forms a convenient vehicle for perfunies. Ben oil is now a rare article of commerce, and is sometimes confounded with oil of sesame.

IBENZOIN. [BALs.am.]
BERGEN. The first commercial city of Norway, situated at the botrom of a deep bay, in lat. $60^{\circ} 21^{\prime}$ N., long. $5^{\circ} 20^{\prime} \mathrm{E}$. Pop. in 1860, 26,510. It has a light on Nordnaes Point, visible 4 miles off in elear weather. The bay is enclosed on all sides by rugged rocks and islands: the water is deep; but, owing to the number and intricacy of the passages, the access to the town is attended at all times with a good deal of difficulty, and should never be attempted without a pilot. Cod-lish, salted or triet, is the principal article of export: when dried, it is called stock-fish, and goes chiefly to ltaly and Holland. The fishery is the principal employment; aul considerable quantities of tish and other products are also brought hither for exportation from the more northerly parts of the kinglom. At an avernge, from $25,000,000$ to $30,000,000 \mathrm{lbs}$ salted and dried tish are annually
exported. Herrings, whale oil, skins, bones, tar, lobsters dec, are also largely exported. ConsulGeneral Crowe, in his Report of Feb. 1848, states that fishimg fur sharks along the western coast of Norway has hecome profitable. The exports of timber from lergen are inconsiderable, and none lias latterly fone to lingland. Norway timber is not so large as that brought from l'russian ports, nor so frice from knots; but, being ot slower growth, it is more compact wid less liable to rot. The planks are either red or white ir or pine: the red wood is produced from the seoteli tir; the white wood, which is inferior in price and estimation, is the produce of the spruce fir: each tree vieldy three pieces of timber of 11 ur 12 feet in length: and is 70 or 80 years of are before it arrives at perfection. The planks or teals of llergen are, howeses, a hood deal inferior to those of Christiania. The imports into Bergen principally consist of grain from the baltie; and salt, hardware, coffee, sugar \&c. from England.

For Moneys, Weights, and Measures, see Chustiania; where there ure further aletails as to the trade and navifation of Norwdy.

BLiLiAIES (Baeca). The fruits or seeds of many diflerent speeies of plants. The berries quoted in London Price Currents are bay, juniper, 'Hurkey, and l'ersian.

1. $\dot{B} a y$ Berries (Fr. baies de laurier; Ger. lorbearen; Ital. bacelii di lauro; Span, bayas). The fruit of the Laurus nobilis. 'Ihis tree is a native of the south of Europe, but is cultivated in this ceuntry, and is not uncommon in our garilens. The berry is of an oval shape, fleshy, and of a dark purple colour, almost black; it has a sweet fragrant odour, and an aromatic astringent taste. Bay berries, and the oil obtained by boiling then in water, are imported from Italy and Spain.
2. Juniper Berries (V'r. genévier; Dutch, sevenboom; Ital. gincpro; Span. enebro). The fruit of the common juniper (Juniperas communis). They are round, of a black purile colour, and require two years to ripen. They lave a morlerately strong, not disagrecable, but peenliar smell, and a warm, pungent, sweetish taste, which, if they be long chewed, or previously well bruised, is followed by a considerable bitterness. I'hey are found in this country ; but most of those made use of here are imported from Holland, Germany, and Italy. They should be chosen fresh, not much shrivelled, and free from mouldiness, which they are apt to contract in keeping. On distillation with water, they yield a volatile essential oil, very subtle and pungent, and in smell greatly resembling the berries. The peculiar flavour and diuretic qualities of Geneva depend prineipally on the prescuce of this oil. Muel English gin is said to be flavourel with oil of turpentine. (Lewis's Mat. Med.; Thomson's Dispensatory.)

The dury on juniper berries, previously to 1832, was 11 s .1 d . per cwt., being more than 100 per cent. on the price in bond. The oppressiveness of this duty seems to have been the principal reason why turpentine, which in point of liavonr and all other respects is so inferior, was largely used in preference to juniper berries in the prejaration of gin. This oppressive duty was reduced, in 1832, to 2 s., afrain, in 18.2 , to 1 s .6 G. , and was tinally repenled in 18.15. This wise and liberal measure has materially improved the beverage of a large proportion of the people. In $1865,2,842$ ewt. of juniper berries were retained for consumption.
3. Turkey Yellow Berries. The unripe frnit of the Rhamnus infectorius of Linneus. They are used as a dye drug, in preparing a lively but very fugitive yellow, for topical application in calicoprinting. Considerable quantities of them are
exported from Salonlea, to which they are brought from 'Thessuly and Albmia. An inferior sort is produced in France. (Bancroft On Colours.) The dinty on Thrkey berries was abolished in 1845. The imports in 1865 amounted to $5,184 \mathrm{cwt}$, and the exports to 1,116 do. I'rico in the loondon market, September $1865,5 l .7 s, 6 d$. to $5 l .1 \cdot 1 \mathrm{~s}$. $6 d$. per ewt.

1. Persian Fullow Berries are said by the merchants to be of the same species us the Turkey yellow berries. The colours which they yield are more lively and lasting. They are high priced, fetehing from 80s. to l10s. per cwt.

IBERYL (called by the jewellers Aqumarine). This stone was suspeeted by 1'liny to bo a variety of the enserald ; a conjecture which modern mineralogists have completely contirmed. I'he term emerald is applied to that particular vnriety which presents its own peculiar colour, or emeralid green; While that of beryl is given indiscriminately to all the other varicties; as the sea green, pale blue, solden yellow, and colourless. The beryl is found in very many parts of the world-in the United Kingdom, France, Bavaria, Siberia, Sweden, Saxonv, Elba, lirazil, Massachusetts, Hindostan.
The commercial value of the beryl or aquamarine is tritling; it is used principally in Birmingham, for imitation jewellery, and as ornaments formetal work. (Emanuel On Diamonds.)

13ETEL-LEAF (Hind. pan; Malay, sireh; Javanese, suro). The leaf allided to in art. HeTeL nut. It is the produce of a species of pepper vino (Piper Betle), and somewhat resembles the ivyleaf. In their fresh state, betel leaves form an important article of lisstern tratlic, being every where used in the preparation of betel. The Piper Betle is a scandent plant, and poles are placel in the ground, round which it twines itself. In consequence of the great consumption of its leayes, it is extensively caltivated thrgughout tropieal Asia. It grows in the grentest perfection in rich soils close to the Equator; anhl is raised with more dithitulty the farther we recede from it. (Ency. Britannica, new ed., art. 'Betel;' Crawfurd's Indian Archipelago, vol. i. p. 103.)

BE'TEL-NU'T or ARECA (Bansc. and Ilind. suapri; Malay, pinang; Javanese, jambi). The fruit of the Areca catechu, a slender and graceful palm, rising to the height of about 30 or 40 feet; it produces fruit at the ace of five or six years, and continues bearing till its twenty-fifth or thirtieth year. 'I'he fruit, which is the only part of the palm that is uate use of, is eaten both in its unripe and in its mature state. When ripe, it is of the size of a small egg, and of an orange eolour ; the exterior part consists of a soft, spongy, fibrous matter, enclosing a nucleus resembling a nutmer in shape, internal structure, and colour, but usially larger, and always harder. A single tree produces, according to its sitnation, age, culture de., from 200 to 800 nuts. They are objects of great importnnce in the East, forming the principal ingredient of a compound in universal use as a masticatory in all central and tropical Asia. The other ingredients are the leaf of the Byatel l'criens, i.s which the areea nut is wrapperl; a little Ciunam; and generally, but not always, a little catechu or terra japonica [Catecolv]. The whole compound is called betel, and is used to an extent of which it is difficult for a European to form a just iden. All inclividuals, without exception of age or sex, begin at an early period to aceustom themselves to betel. They ure unceasingly mastucating it, and derive a gratilication from its use that strangers can neither understand nor explain. It reddens the saliva, gives a bricht line to the lips, and, in course of ime, renders
the teeth nausea, exe inath. Besi liry, it is ak intercourse o Whell any 1 after the tir: omit it on t lect, and its on the other. thirulthed ind tion of chew withont exel the ceremoni The areea nu extensive tra most largely nud sumatra. notion may b ports of areca to $\mathbf{5 3 , 6 3 3}$ Ind into Canton, amounted to: standing lene ill which arec Eury. Brit. ne Commerce of ${ }^{\prime}$. pelago, vol. i. Kalendar and

BEZOAR Pers. padzehr stomach of an smooth, glossy olive colour. T been extended animals; such stomach ot thi bezour, found it mon in Nepan the sall-bladde prized as a yel tinest bezoar is the sea-ports o article is partic be procured fro Gazellu. Man merly nscribed sullicient reason

HIANG or in tracts north exulation deriv The dried hemp which the resil Gunjah, and is valuable medi modie ant anod sules are called

The resin eal per lb. ; a still Nepunl, and cal 1\%s. per lb. TH a singular proc rum ilirough th the plants witl tesin adheres to scraped off and the leathern a resin is collect (Errhibition Cat
BIAZ. A ed manutactured i extent, both fo to Russia. I'her harian; the ne variety manufa harian biaz is chased by deale
the teeth quite black. It is said to dispel nausca, excite appetite, and streagthen the stomach. Dheslifes bring used as an article of luxury, it is a kind of ceremonial which regulates the intercourse of the more nolished ciasses of the Last. When any person of consideration visits another, after the tirst sahatations, betel is presented: to unit it on the one part would be considered negleet, and its rejeetion would be judged an affront on the other. No one of inferior rank addresses a dignitiod individual without the previous precaution of chewing hetel; two persons sehom meet without exchanging it ; and it is always offered on. the ceremoniousinterviews of public missionaries. The ares nut is, in consetuence, an article of very extensive trade. The countries which yield it most largely for exportation are Malabar, Ceyion, and Sunara. Ot the extent of this trade some notion may be formed from the fact that the imports of areca into Caleuta in 1841-12 amounted to 53,633 Ind. maunds, or 1,966 tons, and those into Canton, in 1837, by British ships ouly, anounted to 25,978 pieals, or 1,502 tons, notwithstanding I lengal and Southern China are countries in which areca is largely prodaced. (Art. ' Inetel,' Ency. Brit. new ed.; lell's Revicw of the External Commerce of' Bengal; Crawfurd's Indian Archipelago, vol, i. p. 102, vol, iii. p. 414; Chinese Kalendar and Register.)

IBEZOAR (Arat. faduj; Ilind. zuler-mornh; Pers. padzehr kamie). A concretion found in the stomuch of an animal of the goat kind: it has a sinooth, glossy surface, and is of a dark green or olive colour, Tho word bezoar, however, has lately been extended to all the coneretions found in animals; such as the hog bezour, found in the stomach ot the wild boar in India; the bowine bezoar, found in the gatl-bladder of the ox, contmon in Nepunt; and the camel bezoar, found in the gall-bladder of the camel; this last is mach prized as a yellow paint by the Hindoos. The dinest bezoar is brought to lndia from Horneo and the sea-ports of the Persian Gulf; the P'ersian artiele is partieularly sought after, and is said to be procured from animals of the goat kind, Capra Gazella. Many extraordinary virtues were formerly ascribed to this substanee, but withont any sutlicient reason. (Ainslie's Materia Indica.)

BHANG or CHURRUS (the latter name used in tracts north of the P'unjab, to denote a resinous exulation derived from the hemp, Canmuibis sutiva). The dried hemp plant which has tlowered and from which the resin has not been removed is ealled Gunjah, and is used for smoking. It has also valuable mediciual properties as an antispasmodic and anolyne, The larger leaves and capsules are calle! Shang, Tubjee, and Sidtha.

The resin called Churrus is worth abont 8s. dd. per lb. ; a still tiner kind, collected by hand in Nepaul, and called momeca, is worth from 10s, tu 12s. per lb. The ordinary churrus is collected by a singular process. Men elad in leathern dresses run through the hemp fields, lirushing through the plants with all possible violence; the solt resin atheres to the leather, and is subsequenty scraped off and kneaded into balls. Sometimes the leathern attire is dispensed with, and the resin is collected on the skin of naked coolies. (Exyhibition Catalogue for Indiu, plo 42, 81.)

BLAZ. A eotton material resembliar linen, manufactured in Central Asia to a considerable extent, both for native use and for exportation to litusia. There are three sorts: the best, or lhukharian; the medium, or Khivan: and an interior variety manufuetured in Thslikend. The Bokharian biaz is brought to the bazaars and purchased by dealers for export to Russia. It is sold
in pieces from 12\} to 154 yards in length and 10 h inches in brealth. Tho best deserigition sells at about ts, Gil. and the lowest at $10 \frac{1}{2}$. per piece. A camel's lond consists of tho piecen, each piceo weighing about $1 \frac{1}{5} \mathrm{~m}$. The Tashkend biar, atthourli inferior in gnality and measure to that of Dukhara, is of but vory little less value, the price of a piece of $1 \cdot 1$ yards bering at Tashikend 103d, to $1 s .1 d$. The price of the Khivan bitz is frum 16s, 3 cl , to 17 s . 1 hal . per 10 pieces. The quantity imported into linssia between 1810 anil 1850) was, necordiur to Mr. Iamey, atout $1,600,000$ pieces, valued at 114, lial. A blue bias, tendel or buyak, dyed with indi,ro, is nlso exported from Dokhara, Khiva, and 'tashkend to kiussia. lour farther information on thls subjeet seo Mr. Lamley's valuable leport ra Central Asin, with lieports of Secretaries of Legation presented to 1'arlimment in 186:3.

HILBAO. The eapital of Biscay, one of the three Basque l'rovinees, a seaport town of Spain, on the river Nervion, about $8 \frac{1}{2}$ Eaglish miles from l'ortugralete. Population in $1864,95,000$.

Port.-Tho May of Bilbao lies between I'unto Galca on its east, and I'uato Luzuero on its western side, distaut apart about 3 miles, It stretches S.L. to within $\frac{3}{3}$ mile of Portugalete, In small town at the mouth of the Nervion, lat. $43^{\circ} 15^{\prime} 47^{\prime \prime} \mathrm{N}$., long. $3^{\circ} 45^{\prime} \mathrm{W}$.

The water in the bay varies from 5 to 10 and 14 fathoms. There is it har at the mouth of the river. Itigh water at full and change at 31 , r.m. The depth of water at high tide on the barmay be said to luve a maximum of 16 to a minimum of 12 fect. Instances, however, are frequent of 18 and 19 feet: about 15 feet at high water may generally be depended on.

The chamel is constantly changing, and lieavy seas on the bar are of continual oceurrence. 'The head pilot is in attendance, weather permitting, taking soundings, and directing incoming or outgoing vessels; but when he is umable to go out, signals are made by red llags at Portugalete and Santurce, either to direct the passage of the ships or to forbid their attempting to cross the bar. Vessels never, except in the tinest weather, or to avoid running on an impracticable bar and lee shore, anehor in the bay, I'ilots go oll from l'ortugalete and Santuree on the west, and Algurt: on the east side of the bay, and sometimes board trom Santaña. The lighthouse is at Punto Galea. (For bearings, see Salling Dimections.) Vessel proceed to Olaveaga, 2 miles below the town of Bilbao, to discharge, to which point ships of any draught that can rross the bar ean safely procecil and discharge afluat. Only steamers of liglit drauglit, and ships drawing not more than 9 fect, can get up to Bilbav, and even then they lid aground at low water. Vessels also discharge coal cargoes and load iron ore at San Nicolas, about 2 miles above Portugalete. Goods are convered in lighters from Olaveaga to Bibao ; but the railway will be continued to Olavenga, and probably to Portugratete, and thas pat an end to the heary expense and inconvenience of the present systen of discharging and loading. A proposed port outside the bar, stretehing from Santuree to Ahrorta, would obviate that formidable obstacle.

The foldowing are the port daes and expenses :-
Tiuards.

| Wdice to head pilot of dracight of water - . . . |  |  |  |
| :---: | :---: | :---: | :---: |
| diad pilot |  |  | 75 |
| d'ilotue, ger Spanish foot |  | 10 |  |
| Hont from sea to Olaveaga tevery vessel above 50 (ons |  |  |  |
| bound to take a lnsat\| ${ }^{\text {a }}$ - - |  |  |  |
| Detention at (luaramine, to pilot | - |  | 50 |
| Eixtra boats to tow in or out, each |  |  |  |
| Hair of bullocks to tuw up the river, p |  |  |  |

## hild of Lading


Outwards, with caryn.
thedser at Cussomy
P'latake, Loats, heal pilat, and osen, the same as inwarls. Siswathan duty, the same, lut if carga iv iras ore, per qroberage
mokerage, pey spanish tons.
" If chariered in prort, 2 jes cont.
Outurards in buliast.
The same, escepting that the navigation daty in not nall, stat, jury
lont that it had mot actually appeared. A foul liill, or the nbsence of clean bills, imperts that the place was infected when the vesod sailed. [Guaidntrine:]
BIL, OF LADIN:, A formal receipt sub. suribed by the mastor of a whip in his capacity of carrler, neknowledging that he has recoived the gronds specitied in it on loard his ship, mul himing himself (under errtain exceptions) todeliver them, in the like goom orter as receiven, at the plare and to the individhal named in the bith, or his assigus, on his or their paying him the stipulated frojght de. When goods are sent by a slip hired by a eharterparty, the hills of lading are deliverent by the master to the merelant by whom the ship is chartered; but when thicy are sent by a general skip-i.e. In a ship not hired by charterparty, but employed as a general inrrier-each motivilnal who sends guods on board reccives a bill of habing for the sanne. In all eases, therefore, the hill of lading is tho evitence of and title to the froms shipped.
'The liability of a carrier, at common law, is to deliver the goorls intrasted to his eare, cancellend unly by 'the act of tiod and the queen's enemies.' Int to limit this responsibility, the tollowing exception is mow, imariably ahoost, introducel into the clanse in billa of Jading, binding the master to the alivery of the goods: 'The at of Sod, the queen's cummies, fire, anid all and erery other dingers anduccintents of the seas, rircrs, and natigation. of whatever natare cund kind socver, cxecpted,'
bilis of labing are not, in peneral, immediately given ly the master on receiving the goods. The usual praetice is for the master or his deputy to give a common receipt for the prools, which is ilelivered un on receiving the bill of lading. The latter should always be required within '2l houts after the poods are received on board.
'Three sets of all bills of lading are made out on stamped paper: one of these shonlal be remitted hy the tirst. jost to the porson to whom the grouts are consignel, a second being sent to him by the ship; the third is retained by the shipper of the foods. Ihe master ought alivays to retain copios of the bills of lating for his government. A stamp thaty of tid, is charged on each bill of lading, whether for goods expurted or carried coastwise.
'The usual furan of a bill of lading is as tollows:-
W. l, ) N. B. -SlllPI'EI, in good orider No, 1, a 10. Sand well conditioned, by A. 13 . merchant, in and upon the grod ship calted whereof (.. $D$. is master, now in the river Thames and bound for
, the goods fillowing, viz. [here ilescribe the goods ] marked and numbered as per margin, to be delivered in the like groded order and condition, at aforesaid (the net of Goul, the quern's rnomies, fire, and all and every other denyers and accidents of the sious, rivers, and navigation, of whaterer naturc and hinel socver, crcepted), unto the said A. $I$. or his assigne, he or they maying for the said grods at the rate of per piece freight, with primage and averuge necustomed. In witness whereof, 1 , the said master of the said ship, have aftirmed to three bills of tadiug, of this teneur and date; any one of which bills being accomplished, the other two are to le void.

London, this
1868.
day of
C. D., Master.

Thut in the eas
the West Intie the cargo from of laditif is Ins aet at tiorl, the every other da rivers, and hav kind soever, sat riable thereto, e be and are somn is the general for

Trausficr of 13 trunsferable cith like liblls of exels character of the *onsigned, whet factor, agent, or fide hole er of a consiguce is cuti them from the m purchased the bi unless lie ran , he gowals. (Ilolt, $L$ Formerly, a fac not phalge the gr hardship aud ine were such, that Geo. IV, c. 9.1. cleclares that any lating shall be de specitied in it, so him of such fool the person to who has notice that th tual aull bonâ ficte

Delivery under to sign and delis possible that ther upon the captain by however, is, in suci that he act with gh juldrment; and thit to the person whot presentment of the circumstances be not his having unfairl aet diderently, he peculiarities of the his negligence; the the instructions of carrier or servant, 0 deliver accordin!
Where several import have been si the time when they ter ; but the person of one of them from right to the consign lating, though hitlie constructively the s bunà fide, a delivery will discharge him?
13) 23 Viet. c. becomes the entry portel. The charg by 26 Vict. c, 22 : the same subject.
treat inconvenies larity occur in a bill of siveral countries, and several of the are exceedingly st countries, a mistak irepuently to the int l:ILI OF SALE which an individual interest he has in 1
lant la the case of shijes homeward bound from the West Indies, which send their boats to fetch the eargo from the shore, the cexepption in the bill of lading is usually expresseal as follows: "I'he act of tion, the quern's enemies, tires, and all and every other dangers and accitents of the seas, rivers, and mavigation, of whatever mature and kind sorver, sute risk of bosts, so fier as ships are limble thereto, ex'rpited.' Other exceptions may be and are sometimes introduced; but the above is the general form.

Transfir of Bills of Lating.- lills of lanling are transferable either by blank or special indoreement, like biths of exchange. Anl whatever may be the character of the person to whom the fromels are consigned, whether he be a thyer, or merely the factor, agent, or broker of the cinsiznor, the bonn finde holfer of a bill of lating indorsed by the consignce is entitled to the goons, and may chatm them from the master, if he ean grove that he has purchased the hill for a good consideration: hat muless he san do this, lie is not entitled to the gools. (llolt, Leaw of Shipping "nd ed. p. 363. )

Formerly, a factor, though he might sell, could not pledge the goods of his principal. But the hardship and inconvenience arising from this rule were such, that it was set asile by the Act $t$ Geo. IV. c. 94. The second section of this A'e declares that any person in possession of a bill of lading shall be deemed the trie owner of the goods silecitied in it, so as to make a sale or pledge by him of such roods or bill of lading valid, unless the persoll to whom the goods are sold or pledged has notice that the seller or pledger is not the acetunl and bonâ fide owner of the gools. [Fiacturs.]

Deliecry under Dill of Ladimy.-It being usual to sign and deliver three bills of lading, it is possible that there may be conllicting demands niput the eaptain by the different holders. Nothing, however, is, it such a case, required of him, exeept that he act with good laith, and to the hest of his julgment; and that he make delivery of the grools to the person whe first demands them of him, nyou presentment of the bill of lading, provifled the circumstances be wot such as to justifiy a suspicion of his having unfairly got possession of it. If he act ditierently, he is answerable, according to the peculiarities of the case, to the person injured by his negligence; the hill of lading being not only the instructions of the merehant to him, as his carrier or servant, but his own especial agreement to deliver according to its conditions.

Whore several bills of lading of a different import have been signed, no regard is to be paid to the time when they were first signed by the master; but the persion who lirst gets legal possession of one of them from the owner or shipper has it right to the consignment; and where such bills of lading, though chtherent ujon the faee of them, are consituctively the same, und the master has acted buna fide, a delivery according to such legal title will (!ischarge him from nll. (lloht, pn. 3 75, 377.) lly 23 Vict. e. 22 s. 21 dec. a bill of lading becomes the entry or shipping bill of goods exported. The charges under this Act are repealed by 26 Vict. c. 22: see also 18 \& 19 Vict. c. 111 on the same sulject.
lirent inconveniences arise, shonld any irrerntlarity occur in a bill of athing; for the regulations of several conntries, as in particular Spain, lortugal, ant severnl of the South American govermments, are excecdingly strict. In tho ports of these commeries, a mistake in these documents leads frepuently to the iniliction of severe penalties.
BHLL OE SALE. A formal instrument by which an individual conveys away the right and interest he lats in the goods or chattels mamed
therein. The property of whips is transferred $b y$ bill of sale, of which there are two deseriptions, viz. (1) the grond bill of sale, which conveys the property of the ship from the builder to the owner or tirst purchaser ; and (s) the ordinury bill of sale, by which any subsequent transter is made. No siamp duty is payaile on these doemmenta, nor is it necessary that they should be under seal. (Munde and l'ollock On the Law of Nhipping, p. 13.) [lifargins.]

B1LL, OF sightr, When a merchant is ignorant of the real quantities or qualities of any goods consigued to him, so that lie is unable to make a perlicet antre the reof, he or his agent mast subseribe a deeparation to that effect before the collector or comptroher, who is anthorisod, on receiving such declaration, to allow the importer to enter the fomls by litit, ow Niontr. (Se the form, Imeoriraten and bixotration.) They may then be provisionally landed; and perfect cutry of tho same wust le made within "S days, hy indorsing on the bill of sight such particulars as nare required ill making jerfect entry of qoods, whether for payment of dnty, warehotsing, or delivery free o. duty. ( 16817 Vict. c. $107 \mathrm{ss}, \mathrm{Bi}, \mathrm{fi}$.)

Goods entered by bill of sight for olelivery on myment of daty are not to be dehivered till perfect entry thereof has been made, and the dity jaid, unless the importer depusit a sum of money suthcient to cover the daty paybible theroon. (See. 63.)

In defaule of perfect entry within il days, goods entered by bill of sight are to be taken to the tueen's warelouse; and if the importer do not, within 1 month, make perfect entry, and pay the duties thercon, or on such jurts as can be cutered for home use, torether with charges of moving and warchouse rent, such gools shall be sold for payment of the duties. (fer, 6.t.) Habotaration and Expoutarion.

BILI. OF STORE. A license granted by the Custom-heuse to re-import liritish goods into the United Kingalom.
'The Aet 16 \& 17 Vict. c. 107 has the following clanse in regard to the entry of goods by bill af store:-

Alt Britisin goods re-imported into the United Kingrom shall be entered as foreign, and shall be liable to the same duties, rules, regulations, and restrictions as such goods, it foreign, would be liable to on the first importation thereof, muless the same shall be re-imported within 10 years after the exportation thereof, and it shail be proved to the satislaction of the Commissioners of tustoms that the property in such grods has continued and still remains in the person by whom or on whose account the same have been exported, in which case the same may be entered as llritish goods, by bill of store, containing such partienlars athl in such form and mammer as the snid Commissioners may direct: l'rovided ahways, that the following goods shall, on re-importation, be deemed and taken to be foreign goods, viz. corn, grain, meal, tlour, and hops, and also all gool.s for which any drawback of excise shall have been received on exportation, unless by special permission of the Commissioners of Cnstoms, and on re-payment of sutch drawback, and also all goods for which a bill of store cannot be issued in manner directed by the suid Commissioners, except remnants of British rools, with permission of the Commissioners of Customs. (Sec. 65.)

The following is a regulation of the Board of Customs, dated November ?, 1861, by which the importation of returned British goods is greatly facilitated:-
'That the limit of time within which goods may be returned and admitted as British be

## BIILDS' NESTS

abolished in all cases except where a Bill of Store is required, and that the declaration of continued proprietorship be in all cases dispensed with.
-Thitt rcturned British goods of the same description as foreign goods on which duty is chargeable upon importation, or which were entitled to drawback on exportation, be deemed to be foreign unless a liill of Store be obtained in accordance with the other provisions of the above section, corn, grain, meal, thour, aud hops being in all cases decmed to be foreign.
'That returned lbritish goods bearing marks or brands of British manufacturers be deened to be foreign goods with British marks or brands, and as such liable to forfeiture, muless decharation be made by the persons whose marks or brands they bear, that the goods are of British manufacture, or nuless a Bill of Store be obtained.
-That returned British goods not bearing marks or brands, not cutitled to drawback on exportation, and not of a description which, if foreign, would be chargeable with duty, be admitted upon their being cutered as British goods with the usual declanation to the truth of the particula., contained in the entry, as required on all import entries.'
BILL (VICTUALLING). Formerly a vietualling bill was a list of all stores for shipment, bat now it shows only stores shipped from the bonded warehouse or for drawback on board vessels proceeding on over-sea voyages. This docmment serves also as a certiticate of clearance when there is nothing but stores on board the ship ( 16 \& 17 Vict. c. 107 s .145 ), and this law also enaers that if alter clearing outwards a vessel be found to possess any such stores which are not endorsed on the vietualling lill. such stores shall be forfeited. (Sec. 146.)

BILLINGSGA'TE. A market for fish, eoniguous to the Custom-house in London. It is lield every lawful day, and was established in 1669 by stat. 10 \& 11 Wm, III. c. 24 . Every person buying fish in Billingrgate market may sell the same in amy other market-place or places within the city of hondon or elsewhere, by retail, with this condition, that none but fishmongers be permitted to sell in tixed stops or houses. No person or perisons shall purchaso at Billingspate any quantity of fish, to be divided by luts or in shares amongst any tishmongers or other persons, in order to be afterwards put to sale by retail or otherwise; nor shall any tismmonger engruss, or buy in the said market, any quantity of fish, but what shall be for his own sale or use, under the penalty of 201 . No person is to have in his possession, or expose to sale, any spawn of tish, or fish unsizenble, or oat of season. (30 Geo. 111. c. 118.) The minimum size of the lobsters to be sold at Biilingggate is fixed by statute. [Lonster.]
Previously to $18: 2$ no fish of foreign taking or curing, or in foreign vessels, could be imported int. the United Kingdom, except turbots and lobsters, stock-lish, live eels, anchovies, sturgeon, botarge, and cavinre. But the importation of ail sorts of tish was then permitted on payment of duties, which were timally repealed in 1853 . It present, therefore, the trade in fish is quite free.
For some further remarks with respect to this subject, see Fisit.
BILCII (Fr. bouleau; Duteh, berke ; Ger. birke; Ital. betulla; Lat. betula; Pol. brzoza; Russ. bereza; Span. abelul, betulla). A forest-tree met with everywhere in the north of Europe. It is aptolied to various purposes. In Lapland, Norway, and Sweten, the long twige of the birch are woven intu muts und twisted into ropes; the outer bark forms an ulmost incorruptible covering for houses;
and the inner 1 rek is nsed, in periods of scarcity, as a substitute for bread. Russia leather is prepared by means of the empyreumatic oil of the birch. It is an excellent wood for the turner, being light, eompaet, and easily worked. Its durability is not very grent. It is sometimes used in the manufacture of herring barrels.
131R1)LIME (Ger. vogelleim; Fir. gha; Ital. pania; Span. liga; Russ. ptitschci klei). It is tound in the iuner bark of certain plants, as the mistletoe (Viseun album) and the holly (llex aquifolium). It is prepared by boiling the bark severat hours in water, separating it from the lignid. in which it is insoluble, and setting it aside till it becomes viscous. Birdlime is greenish, tenacious, glutinous, of a bitter taste, mad a smell similar to limsed oil. If exposed to the air in thin layers, it becomes dry brown, and may be powdered, but regains its viseidity when treated with water. $\Lambda$ substance similar to birdlime, and called specialiy glu by French chemists, exudes spontaneonsly from the bark of eeetain plants. When this substance is puritied, it is without odour or taste, is yery athesive, is fusible by heat and intlammable, is quite insoluble in water, and nearly so in alcohol, but is freely dissolved by ether mid tarpentine oils. It has been called viscin. The use of birdlime is thmiliar, but it has little commercial importance.
BRRDS' NESTS (Gcr. Indianische vogelnester ; Duteh, Indiaunsehe vogelnestjes ; Fr. nids de T'unkin; Ital. nidi di Iunchino ; Span. nidos de la China; Javanese, susu; Malay, sarungburung; Chinese, yiu-wo). The nests of a species of sunali swullow peculiar to the Indian iblands (llirundo eseulenta), very much esteemed in China. In shape these nests resemble those of other swallows. They are formed of a viscid substance; and in exterial appearance, as well as consistence, are not mike fibrous, ill-eoncocted isughass. Esculent nests are principally found in Java, inl caverus that are most frequently, though not always, situated on the sea-coast. Many conflicting statements have been made as to the substance of nests; some contending that they are formed of sea-foum or other marine products, and others that they are elaborated from the food of the liird Sc. But these ure points as to which nothiug satisfactory is known.
It is asserted that at the time of pairing the swallow secretes a glutinons substance from its hill, and that this mucus tlowing from the bill in tilmuents forms the material of the nest. This substance, for which the name cubilose has been surgested, is hardly soluble in cold, and slowly in boiling water, but readily in alkaline solutions, whether cold or hot. lodine tinges it an orange yellow.
Singapore is the chief mart for birds' nests, to which they aro brought from Borneo, Java, Rio Ninto, Sumbawa, Sumatra, and Celebes. The price of the same quality vuries enormoasly : at Manilla a picul ( 133 lbs .) will fetela 2,000 piastres, while in Canton the same quantity may be worlh nearly fi,000 piastres.
Birds' nests are served at the elose of great entertainments, in the proportion of a nest and is hulf to each guest.
We borrow from Mr. Cruwfurd's valuable work on the Eastern Archipelago (vol. iii. 1p. 432-( $3 \overline{7}$ ) the following authentic mud curious details as to the tradic in this singular production: 'The best nests are those obtained in deep damp eaves, and such as are taken before the birds have laid their eggs. The eoarsest are those obtained after the young are fledged. The finest nests are the whitest, that is, those takem belore the nest has
been rendere yomag birds. if regularly offired to thr the ganatity by the caves a year or two diticult of a leeted by per the othice. T caves in Java of the rolle et Kurrung-tolem: soulh colst only to be ap of vinay humi rattan, over rocks, When the perilous of be performed recesses of the be instantly notling below its way into th 'The only undergo is tha exposure to this in small boxes. assorted for the according to first or liest, seci that are regula parts, $53 \cdot 3$ part parts of those 0 the third.

- The common are, oro the tirss dollars the pien second, 2,800 S the thirl, $I, G \cup$ prices it is sullici are no more thay They are consun the best part is sumption of the then, under the fully stimulating their most rand feetly harmless. mueh resemble habits, have not the latter acqui modity is no les in it. Among the paralld to at, und cimation in whicl luxury, remarkal for any qualities
Mr. Crawfurd hirds' nests exp 212, , 00 lus., wis
ohserves is of thi ohserves, ' of thi. try whielh produc wants of a single elusive property forms a valuable revenue of the : course not equal, and the circumsta, in which the nest mote und sequest lawless, a proper subject to the per and it not unfreq upuu it is the prit sitted by one ju such situations,
been rendered impure by the fool and faecs of the yount birds. They are taken twice u-yoar, and if rerularly collected, and no musual injury be offered to the eacerns, will produce very equally. the quantity being very little, if at all improved by the caves being left altogether momelested for a year or two. Some of the caverns are extremely alithentt of aecess, and the nests can unly be eoileeted by persons aceustomed from their youth to the oflice. The most remarkable and productive eaves in Java, of which I superintended a moiety of the cullaction for several years, are those of Karomp-bolang, in the province of Buglen, on the south coant of the islimd. Ihere the eaves are only to be approached by a perpendicular deseent of tinany lundred fees, by ladders of bamboo and rattan, over a sea rolling violently against the rocks. When the month of the cavern is attaned, the perilons oflice of taking the nests mast often be performed by torch-liglit, by penetrating into recesses of the roek where the slightest trip we uld be instantly fatal to the adventurers, who see nothing below them but the turbulent surf making its way into the chasms of the rock.
'The only preparation which the birds' nests undergo is that of simple drying, without direet exposure to the sun, after which they are packed in small boxes, nsually of half a pienl. They are assorted for the Chinese market into three kinds, according to their qualities, distinguished into first or lest, second, and third qualities. Caverns that are regularly manuted will aflord, in 100 parts, $53-3$ pirrts of those of the first quality, 35 parts of those of the second, $11 \% 7$ parts of those of the third.
'The common prices for birds' nests at Canton are, for the first sort, 10 less than $3,500 \mathrm{Spanish}$ dollars the pienl, or $5 l$. 18 s. $1 \frac{1}{2} d$. per 1 b . ; for the second, 2,800 Spanish dollars per pieul; and for the thiril, 1,600 Spanish dollars. Jrom these prices it is sulliciently evident that the birds' mests are no more than an article of expensive luxnry. They are consumed only by the great; and indeed the best part is sent to the capital for the consumption of the court. The sensuill Chinese use thea, under the inagitation that they are powerfully stimulating and tonic; but it is probable that their most vasuable quality is their being perfectly harmless. The people of Japan, who so much resemble the Chinese in many of their habits, have no taste for the edible nests ; and how the latter acquired a taste for this foreign commorlity is no less singular than their persevering in it. Among the Western mations there is nothing parallel to it, unless we except the whimsieal estimation in which the Romans held some articles of luxury, remarkable for their scarcity rather than for any qualities aseribed to them.'

Mr, Crawfurd estimates the whole quantity of birds' nests exported from the Arelipelago at a.1:, 100 lbse, worlh $28 ., 290 \mathrm{l}$. 'The value,' he observes, of this inmense properiy to the country whiel produces it, rests upon the eapricions wants of a single people. it is chamed as the exclusive property of the sovereign, and everywhere forms a valuable branch of his income, or of the revetue of the state. 'Ihis value, however, $i$ of course unt equal, and depends upon the situation and the circmantances eomnected with the eaverms in which the nests are found. Being often in remote and sequestered situations, in a comntry so lawless, a property so valuable and exposed is subject to the perpetual depredation of frecbooters, and it not unfrequently hanpens that an attack upus it is the principal object of the warfare comritted hy one petty state against another. In such situations, the expense of aflording them
protection is so heavy, that they are necessarily of little value. In situations where the caverns are ditficult of access to strangers, and where there reigns enourh of order and tranquiltity to seeure them from intermal depredation, and to admit of the nests being obtained withont other expense Han the simple habour of eolleeting them, the value of the property is very great. The caveris of Kizrany-bolang, in Java, are of this deseription. These ammally aflord $t, 810 \mathrm{lbs}$ of nests, which are worth, at the Batavia prices of $3,000,2,500$, and 1,200 spanish dollars the picul, for the respective kimds, nearly 139,000 spmish dollars ; and the whole expense of collectinge curing, and parking, amounts to no more than if per cent. on this amomint. The price of biris' nests is of course a monopwly price, the quantity produced being by nature limited, and incapable of augmentation. The value of the labour expended in bringing birds' nests to market is but a tritling portion of their price, which consists of the liighest sum that the luxurious Chinese will athord to pay for them, and which is a tax paid by that nation to the inhabitants of the ludian inlanuls. 'There is, perhaps, no production upon which human industry is exerted, of which the cost of production bears so small a proportion to the market price.' (Scealso the valuable work of Count Ilogendorp, Coup d' (Eil sur l'Me de Java, p. 291.)
'The present importation of all kinds can only be guessed at : 500 piculs were entered at Shanglaii and Canton in 1860 , but the entire import can hardly be less than 700 or 860 pienls annually.' (Williams' Chinese Commercial Guide, 5th ed.)

BISMUTH (Ger. wismutli; Dutch, bismutli, bergsteen, blinkendin; Fr. bismuth; Ital. bismutte; Span. bismuto, piedra inga; Russ wismut; Lat. bismuthum). A metal of a reddish white colour, and amost alestitute of taste and smell. It is softer than copper ; its specific gravity is 9.822 . Wheu hammered cautionsly, its density is considerably increased ; it breaks. however, when struck smartly by a hammer, and, consequently, is not malleable, neither can it be drawn out into wire; it melts at the temperature of $476^{\circ}$. The ehief source of bismuth is Saxony, but it is found in Swabia, the Pyrenees, Sweden, and Cornwall. ('l'iomson's Chemistry.)
' Bismuth is used in the composition of pewter, in the fabrication of printers' types, and in varions other metallic mixtures. With an equal weight of lead, it forms a brilliant white alloy, much harder than lead, and more malleable thin bismuth, though not dnetile; and if the proportion of lead be increased, it is remdered still more mallenble. Eight parts of bismuth, 5 ol' lead, and $: 3$ of tin, constitute the fusible metal, sometimes called Newton's, from its discoverer, which melts. at the heat of boiling water, and may be fiused wer a candle in a piece of stiff pajer without buruing the paper. It has been saggested that this alloy of bismuth might be used advantafreously in order to prevent steam explosions. 'ewterers' solder is formed of 1 part of bismuth, with 5 of lead, and 3 of tin. It furms the basis of a sympathctic ink.' (Ure.)
BITUUNEN (Ger. judeupech; Fr. bitume; Duteh, jodenlym ; Ital, nsfalto) ; Span. asfalto; l'ort. assphaito; Russ. asfalt; lat. asphaltum bitumen judaicum). This term includes a considerable range of intlammable mineral substances, burning with the tlame in the open air. 'They differ in consistency, from a thin thid to a solid; but the solids are for the most part liquetiable at a moderato heat, They are-1. Naplitha; a tine, white, thin, frngrant, colourless oil, which issues out of white, ? rllow, or black clays in l'ersiat and Media. 'This
is highly inflammable. Near tho villago of Amiano, in the staie of Parma, there exists a spring which yields this substance in exficient quantity to illnminate the city of Genon, for which purpose it is employed. With certain vegetable oils, naphtha is said to form a good varnish.-2. Petrolcum is nuch thicker than naphtha, resembling in consistence common tar. It has a strong disagreeable odour, and a blackish or reddish brown colour. During combustion it emits a thick black smoke, and leaves $n$ little residue in the form of black coal. It is inore abundant than the first-mentioned variety, from which it does not seem to differ, except in being more inspissated. It is found in various countries, and is especially abundant in the Birman empire, where it is met with above Prome, within about 2 miles of the Irrawadi. The gross annual produce of the wells in this place has been estimated at about $80,000,000$ lbs ., worth on the spot about 1 s .8 d . per cwt.: and the supply might, if a market could be found, be iudetinitely increased. It is used as a lamp oil, and, when mingled with earth or ashes, as fuel and in the lining of boats. (Geographical Dietionary, i. 453.) In the United States it is found abundantly in Kentucky, Olio, and New York, where it is known 1w the name of Sencea or Gencsee oil. It is also obtained from wells in the island of Zante. Herodotus tells us thist he had seen these wells (lib. iv. c. 195) ; and the description he has given of them, and of the mode of obtaining the petroleum, corresponds, in all respects, with the accounts of the best modern travellers. The average annual produce of the Zante springs is about 100 barrels. (Chandler's Tratels in Greece, Ito. ed. p. 301 ; IIolland's Travels in Grceee, 4to. ed. p. 18.) Petroleum is particularly abundant in P'ersia. 'When taken from the pit, it is a thick liquid resembling pitch. The bottoms of most vessels which navigate the Euphrates and Tigris are covered with it, and it is also used in lamps, instead of cil, by the natives. The most productive fountains are those of Kerkook, Mendali, and Badku. The wells in the neighbourhood of the latter seem to be quite inexhaustible, being no sooner emptied than they again begin to fill. Sonse of them have been found to yield from 1,000 to 1,500 lbs. a day !' (Kimmeir's Persian Enpire, pp. 39, 3i!.)-3. Multha, or Sca-uax, is a solid whitish substance, not unlike tallow. It melts when heated, and in cooling assumes the consistence of white cerate. This is, most probably, the bitumen candidum of Pliny (Mist. Nat. lib. xxxv. e. 15). It is not used as pitch; but it affords a better light than petroleum, and emits a less disagreeable smell. It is found on the surface of the Baikal Lake in Siveria, at the foot of the monntains of Bucktiari in Persia, and in some other places.-4. Elustic Bitumen yiclds easily to pressure ; it is tlexible and elastic. It emits a ciong bituminous odour, and is about the weight of water. On exposure to the air it hardens, and loses its elasticity. It takes up the traces of crayons in the same manner as caoutchouc, or Indin-rubber, whence it has obtained the name of mineral eaoutchouc. It has hitherto been found only in the lead mines of Derbyshire,-5. Compact Bitumen, or Asphaltum, is of a shining black colour, solid, and brittle, with a conchoidal fracture. Its specitie gravity varies from 1 io $1 \cdot 6$. Like the former varieties, it burns freely, and teaves but little residum. It is fonnd in Iadia, on the shores of the Dend Sea, in Franer, in switzeriand, and in large deposits in sandstone in Albania; but nowhere so largely as in the island of Trinidad, where it forms a lake 3 miles in circumference, and of a thiekness unknown. $\boldsymbol{A}$
gentle heat renders it ductile, and, when mixed with grease or common pitch, it is used for paying the bottoms of ships, and is said to protect them from the teredo of the West. Indian seas. The ancients employed bitumen in the construction of their buildings. The bricks of which the walls of Babylon were built were, it is said (Herodotus, lib. i. s. 179), cemented with hot bitumen, which gavo them unusuail solidity. [PETROLEUM.]

BLACKING (Ger. sehulschwirze, wichse; Fr. noir (de cordounier), cirage ; Ital. nero da ngner le scarpe; Span. negro de zapatos). A factitious article, prepared in various ways, uscd in the blacking of boots and shoes. The principal ingredients in its manufiteture are oil, vinegar, bonecarth, molasses, and sulphuric acid. It is in very extensive demand. Some of the establisliments for its manufacture, especially those in the metropolis, are on a very large scale; and it is in such only that it can le cheaply nod advantageously produeed. One of the prineipal, or rather we may say the principal outlay in establishing a blacking business, consists in adyertising. Indeed, any indiyidnal or set of individuals, provided they supply a reasonably good article, may by continuous advertising and puffing attain to the highest eminence in the 'blacking line.' Exclusive of that used at home, blacking is a considerable article of export.
black-Lead, plumbago
rRAPIITE, or WAD (Dutel, potloot; T: 1. . de plomb noir, plomb de mine, potelot; Ger. pottloth, reissbley; Ital. miniera di pionbo, piombagrine, corezolo; Lat. plumbaso; Span. piedra mineral de piomo). A mineral of a dark steel grey eolour, and a metallic lustre; it is soft, has a greasy feel, and teaves a dark-coloured line when drawn along paper.

This mineral is found only in a state of purity in Borrodale in Cumiverland, the mines in which have been wrought since the days of Elizabeth. The lead is not found in veins, but in detached pieces, or in what are called sops or bellies, so that the supply is very irregular, the miners being frequently employed for a lengthened period in seeking at random for the leal. Its quality also differs very widely. The best is that which is lightest, and the trace of which on paper is easily and completely renoved by the application of India-rubber. The mine is only opened at iatervals, and is at present (1868) closed. The supply has been "*tremely scanty, and mostly also very inf When the mine is open, the trade is supp. sales held on the first Morday of each $r$ in Essex Street, Strand, Loadon.

At a sale of black-lead held at Essex Stret. Strand (according to a writer iu the Builder, isept. 1, 1866), picked plumbago brought 20s, the lb., the article having been picked through at former sales. After this, there was a considerable stock sold at much lower prices, more like 20l. the ton than anything else, while the pure Borrodale lead would now fetch 30 s. the lb., or more than 3,000 , the ton.

The mine ceased to be worked three or four years ago. The company who took it passed through the Ban!kruptey Court. The Keswick makers not unfrequently purchaso pure inad found in the locality which has been washed duwn from the monntains into the rivers and low lands, so that puro Borrodale lead pencils may still be purehased at Keswick, but comparatively frow people go to the jrice, viz. 6s, the dozen.

In one year (1803) the produce of the Borrodale mine was 500 casks, each of $1 \frac{1}{2}$ cwt., the produce being worth 30s. the lb. So valuable was the product, every cart-load being worth from 3,000 .
to $4,000 l$., tha tary escort to tations on th made robbery

The sourers found in Ceyic 2,000 tons are crin part of th Siberia, Austri Lake Superior zenbach in loot animm are obt its bells of gre Yeaisci about of Toorookhnu: the Clinese fro of commercial India, both in Spain. It is a In 186in, 4,830 Ceylon.
BLACK-LE nen ; Fre. crayo nero; Port. liapi lapiz negro). circled with ced

There is hard temptation to article is great mureliaser is mol lead pencils. ference between lead, and of the substituted for i as follows:-

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Second di
Second di
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1. Pencils of $t$ made of pure C present ( 18688 ) 3 18 to 20 (lozen s pound of this lea

These pencils lead into the pie times, however, defective, so tha fact. be very in some makers pre grit or earthy mony or other a pared lead, the to be depended or
2. Pencils of $t$ fured out of the s the clust of the people from the r mixed or alloyed of antimony. Th of course, on the excceds the anti furmer may be ta the latter at onl sistible temptatio the latter beyond position produces to the lb . ; their purity of the lead.
3. The third qu Mexican or Spani per ewt., with anti It prodices abon lb., which may be gross, according t pleyed and the ea sort of pencil may
fine stroke, but
to $4,000 l$., that the produce was sent under miliary escort to Kendal. In orter to prevent depredations on the mine, an Act, 25 Geo. II. c. 10 , made robbery from a black-lead mine felony.

The sourers of black-lead are mumerous. It is found in Ceylor, and according to sir LE. Tement 2,000 tons are anmally exported from the southcrin part of the islund. It is also procured from Siberia, Austrin, Irussia, in North America near Lake Superior, in Scotland, and from Schwarzenbach in Bohemia, whenee abont $70,000 \mathrm{lbs}$ per ammum are obtained. It has also been diseovered in bets of great thickness on the banks of the Yenisci abont 300 linglish miles east of the town of Toorookhansk, and again in Sonth Siberia near the Chinese fronticr. The chicf sourees, however, of commercial graphite are Passan, in Bavaria; India, both in the Ilimalayas and Ceylon; and Spain. It is also a product of some iron works. In 1865, 4,836 tons were imported, clictly from Ceylon.

BLACK-LEAD I'ENCILS (Diteh, potlootpennen; Fr. crayous noirs; Ger, bleystifte; Ital. lapis nero; lort. lapis negro; Luss. karanaschiti S San. lapiz negro). Pencils formed of black lead, encircled with cedar.

There is hardly, perhaps, anything in which the temptation to substitute a spirious for a genuine article is greater, or in which, consequently, the purchaser is more liable to be deceived, than blacklead pencils. This is oceasioned by the vast difference between the cost of gemine Cumberland lead, and of the other articles that are or may le substituted for it. Pencils are usually described as follows:-

First quality, or clrawing pencils.
Gecund ditto, or prepared pencils.
Third ditto, or composition pencils.

1. Pencils of the first quality are, when genuine, made of pure Cumberland lead, which costs at present ( 1868 ) 30 s . per 1 lb . or 1681 . per ewt. Firom 18 to 20 dozen such peneils are produced from a pound of this lead.

These pencils are usmally made by stwing the lead into the pieces inserted in the cedar. Sonetimes, however, the lead is in parts gritty and defective, so that a pencil of this kind may; in fiact. be very inferior. To obviate this defect, some makers prepare the lead, to free it from the srit or earthy particles; and, provided no antimony or other alloy he mixed up with the prepared lead, the pencils produced from it are nost to be depended on.
2. I'encils of the second quality are manufactured out of the sawings or dust of pure lead, with the dust of the small pieces pieked up by poor neople from the rubbish thrown out of the mine, mixed or alloyed with a greater or less quantity of antimony. The goodness of this pencil depends, of course, on the proportion in which the pure lead excecels the antimony. But as the cost of the former may be taken int 1001. per ewt. and that of the latter at only $26 s$., there is an all but irresistible temptation to inerease the proportion of the latter beyond the bomds. 'This sort of composition produces abont 15 or 16 dozen pencils to the lb .; their price varying according to the purity of the lead.
3. The third quality of pencil is made by using Mexican or Spanish lead dust, costing 45s. or 50 s . per cwt., with antimony costing abont 26 s. per cwt. It produces about 14 or 15 dozen pencils to the lb ., which may be sold at from 2 s . 6 d. to 12 s . per gross, according to the cost of the articles empleyed and the care taken in mixing them. This sort of pencil may take a firm point, and mal.e a fine stroke, but its trace will not obliterate on
being rubbed with India-rubber. The easy and complete obliteration of the strokes is, in fact, the best and perhaps only test of a pencil being of pure Cumberland lead. (Private information.)

ILLEACHING POWDERA. These are the chlorides of the alkalies and alkaline earths. The cheapest and most genernlly useit is the chloride of lime.

This product is manufactured in varinus parts of the country. The Industrial Resources of the Tync, Wear, and Tees estimates the amount produced in that region at 11,280 tons per annum. The use of the powder is not confined to the bleaching of manufactured goods, for, necorling to the work referred to, the demand has greatly increased in consequence of the extensive use of the Spansh esparto grass in the manufacture of paper. The use of the chlorites, especially that of lime, as a disinfectant is well known.

The price of chloride of time, which amounted to about. 281. a ton before chemical discovery hat cheapened the process, has now been reduced to a third of that amount.
[Bl.OCKADE. [Conrraband; Neutbality.]
BLUHBER (Ger. thram, fiselitran; Duteh, thraan ; Ital. olio di pesce; Span. grassa, aceite de pescado ; liuss. salo worwannoe, worwan; Lat. oleum piscinnm). The fat of whales and other large sea-animals, of which train oil is made. The blubber is the adeps of the numal: it lies under the skin, and over the muscular flesh: it is about ti inches in thickness, but about the under lip it is 2 or 3 feet thick. The whole quantity yielded by one of these animals ordinarily amonnts to 40 or $\overline{\mathrm{j}} 0$, but sometimes to 80 or more ewt. Formerly train oil was manufactured from the blubber in the seas round Spitzbergen, and other places where whales were canght; but the practice is now to bring the blubber home in casks, and to prepare the oil afterwards.

It is enacted by the 6 Geo. 1V. c. 107 s. 44 that before any blubber, traill oil, spermaceti oil, head matter, or whale tins, shall be entered as being entirely the produce of sea animals caught by the crews of ships fitted out in the United Kingdom, or the islands of Jersey, Guernsey, Sark, and Man, the master of the ship importing such goods shall nake oath, and the importer also shall make oath to the best of his knowledye and belief, that the same are the produce of fish or ereatures livie $\varepsilon$ in the sea. taken and caught wholly hy the crew of such ship, or by the crew of some other ship (naming it) fitted ont in the United Kingdom, or in one of the islands of Guernsey, Jersey, Alderney, Sark, or Ma:1 (naming which).

Before blubber, train oil \&c. can be entered as from a Ibritish possession, a certificate must bo obtained from the eustom-house officer nt such lritish possession, or in default of snel otlicer being there, from two principal inhabitants, notifying that oath had been made before him or them that sneh blubber \&c. was the produce of tish or creatures living in the sea, and had been taken by l?ritish subjects usually residing in some part of his Majesty's dominions; and the importer is to make oath, to the best of his :=nowledge and belief, to the same effect.

The ganging of casks of oil and blubber is dispensed with since 1825. They are to be passed at the rate of 126 gallons the pipe, and 63 gallons the hogshead.

BOAliL. A technical term, used by diamond merchants to designate tranular or imperfectly crystallistd diamonds. This substance is either crushed into powder or used for engraving on hard stones. Boart is worth trom 22 s . to 30 s . per carat. (Emannel On Diamonds \& ${ }^{\circ}$.)

BOATS. Open vessels, commonly wrought by oars, and of an endless varicty of shapes, according to the purposes to whieh they are to be applied.

Boats of Vessels to bear Name of Vessel, Port, and Master.-The owner of every ship belonging wholly or in part to ally of her Majesty's suljects shall paint or canse to be painted upon the outside of the stern of every boat belonging to such ship tho name of such ship and the port or place to which she belongs, and the master's name withinside the transom, in white or yellow Roman letters, not less than 2 inches in length, on a black ground, on pain of the forfeiture of every such boat not so marked, wherever the same shail be found. ( 16 \& 17 Vict. c. $107 \mathrm{s}$. 203.)
Boat not belonging to Ships to have Name of Ouncr and Port thereon.-The owner of every boat not belonging to any ship shall paint or cause to be painted upon the stern of such boat, in whito or yellow Roman letters, of 2 inches in length, on a black ground, the name of the owner of the beat and the port or place to which she belongs, on pain of the forfeiture of such boat not so marked, wherever the same shall be found. (Sec. 204.)
BOHEA. A species of tea. [Tea.]
BOLE. A friable carthy substance, a species of the soapstone family. Specific gravity $1 \cdot 1$ to 2 . It is found in the island of Lemnos, whenee it is sometimes called Lemnian earth; and in Armeria, Italy, France, Silesia, various parts of South America \&c. Armenian and French holes were at one time not uncommon in this comitry, being used in the materia medica; but they are now entirel- or almost entinely, discarded. In India. however, Armeniar hele stial continues to be in extensive demaud. It is brought to Bombay from the Persian Gulf. It is soft, feels greasy to the touch, adheres strongly to the tongue, and is very frangible: it is generally of a yellowish brown colour; though sometimes it is seen of a fine flesh red, which is the variety held in the highest estimation. Armenian bole consists chictly of alumina and silica, celourel by oxide of iron. The chicf use of Armenian bole is that of the manufacture of teoth powder. Some savage nations, such as the Ottomaques, described by M. Humboldt, are in the habit of allaying the pains of hunger by eating boles, which however are occasionally nutritious, because masses of infusoria fossilised, but still containing animal matter, are found in the substance. The Javanesc, when they wish to becoule thin, eat cakes, called tanammpo, made of bole. (Lewis, Mat. Medica; Thomson's Chemistry; Ainslie's Mat. Indica.)
BOMBAY. A seaport on the western coast of British India, one of the greatest emporiums in the East; lat. $18^{\circ} 56^{\prime}$ N., long. $72^{\circ} 57^{\prime}$ E. It stands on the south-castern extremity of a small island of the same name, separated from the main land by an arm of the sea, forming with the contiguous islands of Colaba, Salsette, Butcher's Island, and Caranjah, one of the best harbours in India. Bombay Lsland was ceded by the Portuguese to the English in 1661 . In 1668 it was transferred by the Crown to the East India Company, by letters patent, in free and common soceage, on payment of $u n$ annual rent of 101 ., and in 1859 it was placed with the rest of Indian muder the direct government of the Crown. The fort stands on the south-east extremity of the island, on a narrow neck of land, immediately over the harbour. The fortilications are extensive, and on the sea side very strong.
The population of Bombay Island, on its cession in 1661, did not exceed 15,000. In 1864 it amounted, including all its suburibs, to 816,562 inhabitants,
of whom 530,450 were males and 286,112 females, being in the ratio of $185 \cdot 4$ males to 100 females. 'The following table shows the casto or race. (Bombay Almanac 1865.)

## Hosiblut or Jain Hramin Hr-thmin f.ingaet

Hhatea
Ilindoos:
Mustulmen -

| 8.021 | Parsees |
| :---: | :---: |
| 50,601 | Jewa - |
| 1,598 | Native Christians |
| - 21,771 | Eurastana - |
| - $\begin{aligned} & 523,1974 \\ & =145,980\end{aligned}$ | European Chinese - |
| 2,074 | Total |

$\begin{array}{r}\quad 19,801 \\ : \quad 19,872 \\ : \quad 1,403 \\ : \quad 8,411 \\ : \quad 3: 5 \\ \hline 816,562\end{array}$
The total area of the Bombay l'residency under the administration of British rule, excluding native States, amounts to 142,043 equare miles, with a total population of $13,039,106$, of which the European portion, according to a census taken in 1861, was 27,317 . The gross revenues of the l'residency show a progressive increase.

$$
\begin{aligned}
& \text { In 1817-44 } \\
& \begin{array}{l}
1817.44 \\
1853-51 \\
1863-6.1
\end{array} \\
& \text { 1863-6.1 } \\
& =: \quad: \\
& \begin{aligned}
-\quad & =\begin{array}{r}
43,505,364 \\
4,613,507 \\
-\quad
\end{array} \quad-\quad 8,215,717
\end{aligned}
\end{aligned}
$$

Bombay Harbour is one of the safest and most cummodious in ladia. It is bounded on the west and north by the island of Colaba or Old Woman's Island, Bombay Island, and the island of Salsette. The first two are separated only by a narrow creek fordable at low water, and Bombay 1sland was joined to Salsette by a canseway constructed in 1805 . On the east side of the harbour, between it and the main land, is Butcher's Island, distant about 4 miles from Bombay ; and immeliately behind Butcher's Island is the famons island of Elephanta. About 3 miles south from Butchr:'s Island is the island of Caranjah, on the western site of which, next the harbour, is an extensive shoal. S.W. from Caranjah. distant about 5 miles, is Tull Point; between which and Colaba, or Old Woman's Island, is the entrance to the harbour. $A$ lighthouse تias crected in 1844 on the southern extremity of Colaba Island, elevated about 120 feet above high-water, which in clear weather may be scen at the distance of 17 or 18 miles. The point on which the lighthouse stands 15 surrounded on all sides by an extensive reef of rocks divided into prongs: of these, the most dangerous is the prong stretching S.W. abont 3 miles from the lighthouse, and forming the northern boundary of the entrance into the harbour. It is proposed to erect a new lighthouse a mile and a half farther out on the reef. The reef streteling W.N.W. from 'T'ull Point about $3 \frac{1}{4}$ miles forms the sonthern boundary of the entrance; the breadth of the channel between them being about 3 miles, with a depth of from 7 to 8 fathoms. A new light was erected in 1867 on Kennary Island, 161 feet above the level of the sea. These lighthouses wid contribuic much to the safety of the navigation into and out of the harbour of llombay. In going into the harbour, it is necessary to clear a sumken rock, lying almost due east Fom the lighthouse, at about $1 \frac{1}{2}$ mile distant; and also a bank, called the Middle Ground, lying nearly oppusite to and about 1 d mile from the southern extremity of the town. (Nicholson and Watson's Plun of Bombay Harbeur.)
Docks.-Bombay is the only pori of consequenee in British India in which the rise and fall of the tide are so considerable as to admit of the formation of extensive wet doeks. At ordinary spring tides the rise is about 14 feet, but occasionally as high as 17. The capaciens docks constrncted ly the East India Company are their property, anil are for the most part muder the direction of Parsees, who, execpting the Chinese, are the most industrions and intelligent people of the East. Merchant vessels of the largest class, or from 1.300 to 1,400 tons burden, for the cotton trade to China, have been built in these docks. Frigates



Landien. Longmun \& (is,
and line-of-b constructed sive directio laving to be built at Bom trary to th tirely constr durahle vesse parr, and oft the mist part strict applicat monly, thoug
The Bomb
of 1850, consi an aceountan vator of the
Rates of Doc

Opening the gates
bully duck hire
uprintudence -
ilire of sheres-
lirg of gimgway lat
Boring holes in cold
Any artifice dockyard to bc

Pilotage and
bo charged e
Commission
ship-building
brazier's or plan
bills and on al
dockyard 10 pie
Ali stores b
repairs of vesse and the full val and a copy of furnished to dock.

Timber cut fo be charged for e

Port Rules
Port Rules.-
200 tons, enteri amongst the si ecived permissi other duly aut within and to $t$. light; and no limits of the p one place to an sunset and sunris of the master at
2. $\Lambda$ vessel wr of it at sunset, soon both ancho should they be be bent to the a
3. All vessels
the harbour whit
to fly their nat
boarding to the
sunriso to sunset the flags may be show his number
Clauso 2.- Al the port of Bom such berth as ma master attendant sistants, and sha when required by The berths of to be determined 59 of Act I. of 1 with the consen attendant.
and line-of-battle ships have also been oecasionally constructed in them, sometimes ander the exchusive direction of Parsee artiticers. The timber having to be brought from a great distanee, ships built at Bombay are very costly; but being, contrary to the practice in otber parts of India, entirely constructed of teak, they are the nost durahle vessels in the world, requiring little repair, and often running 50 or 60 years. Being for the mast part built by natives, without any very strict application of the rules of art, they are commonly, though not always, heavy sailers.

The l3ombay port establishment, under Act I. of 1859 , cousists of the shipping master, a deputy, an accountant, a mastcr attendant and conservator of the port, with 2 assistants, and 17 pilots.
Rates of Dock Charges for Repairs to Ships and Steam Vessels.

|  | Large Dock $11 s$. | $\underset{\substack{\text { Small Dock } \\ \text { Rs. }}}{ }$ |
| :---: | :---: | :---: |
| 0)pening the pates - | - 300 | $314)$ |
| 1)aily dock hirc | - 10 | 2.5 |
| Suprerintmience | 10 per diem | - |
| llire of uhores- | $20{ }^{2}$ prer spring | 1.5 pur sprin |
| llire of gargway latder - | 2 |  |
| Horing holes in corfiner sheets | 3 per 160 | ${ }^{3} \mathrm{per} 160$ |

Any artificers or foremen employed from the dockyard to be elarged at dockyard rates.
Pilotage and labour-hauling in and out-will be charged extra.

Commission on work, and materials used in ship-building or repairing, and on machinery; brazier's or plamber's work, and on all contractor's bills and on all ship's supplies brought into the dockyard 10 per cent.

All stores brought into the dockyard for the repairs of vessels must be weighed or measured, and the full valne leclared to the dockyard elerk; and a copy of the contract for repairs must be furnished to him before the vessel leaves the dock.
'limber cut for shores, and lock blocks ent, will loe charged for extra.

Port Rules, Dues, and Pilotage Fees.
Port Rules,-Clause 1.-1. No vessel, if above 200 tons, entering Bombay harbour, shall run up amongst the shipping until she shall have received permission from the master attendant or other duly authorized person, but must anchor within and to the eastward of tho inner floating light; and no such vessel anchored within the limits of the port of Bombay shall move from one place to another within the port, between suoset and sunrise, without the special permission of the master attendant.
2. $\Lambda$ vessel working out of harbour, if not clear of it at sunset, must anchor. In the S. W. Monsoon both anchors and cables are to be keric clear should they bo required, and the shece cable to be bent to the anchor.
3. All vessels above 200 tons, entering or leaving the harbour whilst a pilot may be on board, are to fly their national flag from the time of his boarding to the time of leaving, from the time of sunrise to sunset, or before and after, as long as the flags may be visible; and also every ship will show his number on entering the port.

Clauso 2.-All vessels above 200 tons, within the port of Bombay, shall bo bound to tako up such berth as may be appointed for them by the master attendant, tho harbour master, or their assistants, and shall change their berths or remove when required by such authority.
The berths of coasting cratt and small vessels to be determined under the provisions of section 59 of Act I. of 1852 , by tho customs authoritie with the consent and approval of the master attendant.

Clause 3.- $\Lambda 11$ vessels in the port of liombay shall have their tlying jih-booms rigged on, mid shall when ordered by the master attendant ris in their jib and driver booms, and strike their masts or yards; and any sigrals inade from the dockyard sheer flagstatr lirecting the striking of masts or yards, or the rigging in of booms, shall be ccasidered to be orders, and obeyed as such.

Clause 4.-Cargo boats, full or empty, shall not be allowed to swing astern of any vessel without permission, ar shall anchors be cockbilled, or spare spars allowed to hang alongside or astern of any vessel.

Clanse 5,-Vessels taking in or discharging ballast or any particular kind of cargo, within the port of Lombay, shall be bound to take ul such berth as the master attendant or the harbour master may direct.

Clause 6.-liree passages to be kept to all piers, jetties, landing-places, wharves, doeks, and moorings; and nll boats and vessels shall be bound to move when required to clear such passagres.

Clause 7.-All vessels within the port of Bombay will moor and unmoor aceorling to the orders of the master attendant or the harbour master, and slall keep a clear hawse.

Clause 8.-1. On making a written application to the master attendant, a vessel may be moved from any mooring or anchorage within the harbour to any other mooring or anchorage approved by the master attendant, on paying the rates specitied in Aet XXXI. of 1857.
2. Transporting vessels below the Middle Ground, 20 rupees for vessels not exceeding 300 tons, and for all ships above that tonnage 30 rupees.

Ull vessels within the port of Bombay shall be mo red or warped from place to place as required hy the master attendant or harbour master; and no vessel shall cast off a warp that has been made fast to her to assist a vessel mooring, without being required so to do by tale pilot or officer in charge of the vessel mooring.

Clauso 9.-No vessel shall use any of the Government chain moorings, whether fixed or swinging, without permission of the master attendant or the harbour master.

Clause 10.-All vessels occupying Government moorings, fixed or swinging, shall be liable to pay for the same according to the following scale, but no more:-

For Fixed Moorings.


Clauso 11.-N N boats to ply as cargo boats oxcept nder license, as provided for by section 86 of Act I. of 1852.
Clause 12.-1. No boats lying within 50 yards of the dockyard stairs or wharves, or within 50 yarls of the wharf in tho basin formed within the break water in the vicinity of the custom house bunder, or Government docks, will be allowed to have fire on board.
2. No vessel shall boil pitch on board, but must do so in a boat alongside or astern.
3. All vessels taking in cotton are not on any account to have any lights in the hold or orlop whilst the hatches aro opened, and during the stowage of the cotton; the fires are to be put out,
and all spirits, oil, paints, and spirits of turpentine are to be stowed in a place of security.
4. All vessels that may requiro to be steained must bo moved below the Maldle Ground, clenr of the shipping.

Clause 13.-No private vessels are to hoist signal lights at nights or to fire any great grons, or muskets, at the hour of ennrise or sunset, or at any other time, without periassion excepting in cases whea assistance is needed.

The provisions of sections 12, 28, 37, and 40 of the said Act, No. XXII. of 1855, are licreby specially extended to the port of Bombny.

Port Dues.-Port dues are levied under the provisious of $A$ cts XXII. of 1850 and XXXI. of 1857, at the rate of 2 annas for every ton of burden, and ships entering the port witli ballast 1 anna jer ton.

Fees are leviel at the rates below indicated for the following services:

## Transporting.

Vessels aol exccedings 300 tons Fair meason Monsoon
And 10 rupees additional for every additional 100 tons. This only applies to vessels transporting from their moorings to Government docks and vice versa, or to Mazagon and back to harbour.

Transporting to the Middle Ground.


Vessels procecding to sca, and anchoring by desire at the Middle Ground for less than twentyfour hours, half the above rate.
Hooking

$$
\text { - } 16 \text { rupees | Messuring }
$$

- 30 rupees

Pilotace in and out of Bombay Harbour.-For vessels from 100 tons to 2,000 tons thuring fair season and S.W. monsoon. The S.W. monsoon commenees from June 1 and ends September 30 :-


If a pilot proceeds on board a ship (when requested) to take her to sea, and his services are for that day dispensed with by reason of the ship not being ready-a fee of rs. 20 is charged by the master attendant for the attendanee of the pilot.

Pilotage in and out of the Port of Kurrachee.From and nfter the last day of January 1865, pilot fees for pilot services as shown in the following scale will be charged on all sailing vessels over 100 tons burden that may enter or leave the port of Kurrachec. The monsoon season comprises the months of June, July, and August.



On all sea-going vessels of 100 tons and upwards, tho same being necessitated to receive a pilot on board when nioving within port limits, 2 annas for each ton of burden.
Consting, craft and vessels under 100 tons burden, which vessels are not required to take $n$ pilot when movingr within port limits, 4 annas for each ton of burden. (lixtract Bombay Almanac, 1865.)

Money,-Accounts are kept in rupees; each rupee being thivided into 4 quarters, and enels quarter into 100 reas. The rupee is also divided into 16 annas, or 50 pice. An urdeo is 2 reas; a doreea, 6 rens; a doognney, or single pice, 4 reas; n fudlea, or double pice, 8 reas; a paunchea is 5 rupees; and a gold mohur, 15 rupees. Of these, the annas and reas only are imaginary moneys. The coins of Bombay are the mohur, or fold rujee, the silver or Government rupee, and their divisions; also the double and single pice, the urdee, and doreen, which are copper coins with a mixture of tin or lead. The following is the assay and sterling ralne of the present gold and sitver coinage of Bombny :-
 if silver be taken at $5 s .2 d$. per oz., and $2 s .0 \frac{1}{2} l$. if silver be taken at 5 s .6 d . per oz.

The Government rupee has been coined only since November 1, 1862; but it is almost identical in respect of value with the rupecs previonsly in circulation. [Calcutta.]
The charge of coinage in the Bombay Mint is 2.5 per cent. for gold, and 3 per cent, for silver, including the charges for refining. The machinery for this mint was sent ont from lingland a few vears fgo, and is complete, but very costly.

Weights and Measures.-The unit of weight in lombay, as in other parts of Intin, is, by the Jaw of 1833 , the tola of 180 grains troy, the other weights being derived from it as follows:-
$\begin{array}{ll}80 \text { tolas (or sicca welght) } & =1 \text { seer }= \\ 40 \text { seer }=I \text { mun (or bazaar maund) } & =100 \mathrm{li}) \text {, (ray }\end{array}$

The following tal ${ }^{12}$ shows the weights of the several Presidencies of India, Travancore, China, and England, compared wihh the new Indian maund introdueed into Bengal in 1833, and adopted in the tariff valnation under the Bombay l'residency since 1840.


Grain Measure.


We
Bazaar weigh the local weigh

| 4 dhan or yavzl |  |
| :---: | :---: |
| 9 raktica 4 nusha |  |
|  |  |
|  |  |
| 30 parin. ${ }^{3}$ \% |  |
| má |  |

The klandi avoir. or 7 cut.
The 'pakkas At l'unwel the
The British I 2.9387755 Bom: and the Bombay

The Bonbay and the mán 12.

At looma the stundard tolas, 0 troy $=\cdot 0583 \mathrm{~B}$. I

3 mán or 120 sers
63 pallas $(20 \mathrm{man})=1$
Kachcha máns in tho district.
In the Khed, talukas, tho ser nnd Indapur, 761 tolas.
At Abmednug Indian or imperia Al Ahmedn
In Satara the from $92 \cdot 75$ tolas a pur ; in Satara ci
In Sindh the clared by proclun ouly legal standa
$8 \mathrm{man}=1$ khand $=6$
At Surat the variously stated fr mán from $37 \frac{1}{y}$ to being probably th from which-

> 1 Surat ser. 1 Brit. Ynd. 1 Brat. 1 lomb, ser. The Khandi for

In IKhandeish es authorised.

At Baroach \&c.

At Marone ". Alimod ". Jambus<br>", Jambus<br>", Wagra<br>Nutive<br>8 dhan $=$<br>12 mashan=

$\Lambda$ ulhan is 0.4687 grammes.

Eruns
skunt
12 masha=
Mashas, rati, dha

Weigita and Measures.
Bazaar weight.-In Bombay the following are the local weights in use:-


The khandi for cotton is 28 máns or 784 lbs. nvoir. or 7 cwt .
'The 'pakka ser' is $1 \frac{13}{13} \mathrm{lbs}$. avoir. or $\mathbf{7 2} \cdot 50$ tolns. At lanwel the ser weigha $72 \cdot 83$ tolas.
Tho British Indian or imperial eer and man are 2.9387755 Bomuny sera and máns respectively; and the Bombny mín is 0.3402778 imp. máns.
The lombay ser weighs $317 \cdot 51485$ grammes, and the mún $12 \cdot 700594$ kilogramnies.
At Poona the aer is 80 nnkushi rupees or 76.66 gtandard tolas, or $1 \cdot 9714 \mathrm{lbs}$ avoir. or $2 \cdot 33 f \hat{u} 4 \mathrm{lbs}$. troy $=9583$ B. I. sers.
 61 pallas ( 20 man ) $=1$ khandil $=1.57 .12 \quad$ " $\quad 196165$ "
Kacheha máns of $12 \frac{1}{2}$ and 14 sers are also used in the district.
In the Khed, Poorundhur, and Bhimathadi talukns, the ser weighs 76 tolas; in Sliwner and Indapur, 76 ; in Pabal 77; and in Mawal 75 tolas.

At Abmednuggur and Sholaporo the British Iudian or imperial weights are in use.

> At Ahmednuggur the Palja ls $2 \backslash$ mang.
> ") Nholapore 1 Manki=1 Dharas $=12$ sen.

In Satara the eer varies in differedt localities from $92 \cdot 75$ tolas at Koley to 115 tolas at Mamdapur ; in Satara city it is 93.25 tolas.
In Sindh the British Indian weights were declared by proclamntion August 1, 1853, to be the only legal stnudard.
$8 \mathrm{mans}=1$ khandl=65s 2.7 tbs. av, $=23.510204$ Hombay mans.
At Surat the Surat ser of 35 Surat tolas is variously ctated from $36 \cdot 4583$ to 37 tolas, and the mán from 37 h to 38 lbs. avoirdupois, the former being probably the more accurnte determination, from which-


In Khandeish \&c. the British Indian system is authorised.
At Baroach dc.


A than is 0.46875 gr. troy or 0.0303745 French grammes.

## Golusmiths' Weight.



Mashas, rati, dhana are employed in the native evaluation of assay of the precious metals : thus
' 10 mashas fine' signifies $\mathbf{1 0 - 1 2 t h s}$ pure, or the same as ' 10 oz. touch.'
Ncasures of Length.-The gaz or unit of lineal mensure not only differs in different provinces of India, but also, like the ser, in the samo province for different purposes. The English yard, however, is rapidly becoming the only standurd unit, especinlly where English education has obtained a firm footing.


In Bombay the half hath is called Vent; and the measuring rod or kathi for land, according to Jervis, is $9 \cdot 3644$ feet. In Gujarat 5 hath make 1 Vaso or Kathr. In Western India almost every village has its own Kathi.
The Kos of the Ayin-akbari was about 2.58 miles, or 4,540 yards, or 4,150 mètres.
The Bengal Kos contains only 1,000 danda or dhanú. In surveying, 80 háth $=1$ Rabsf.
Iu the N.W.P.-Delhi, Lúdhianah, Ferozepore, and part of Berar: 33 inches $=1$ Iláhi gaz, 3 ll. gaz=1 bans or gantell, and 20 bans $=1$ Jaríb. In Beuares and Ghazeepore the gaz used by Mr. Duncan in the settlement of 1795 was $33 \cdot 6$ inches. The true Ilahi gaz probably mensured $32 \cdot 6$ to $32 \cdot 8$ inches; in Hareilly, Bulaishahr, Agra \&ce. it is reckoned at $32 \%$ inches.
In Orissa the padika or rod is 10.4355 feet; in Tirhút the lagi is $93 \begin{aligned} & 3 \\ & \text { feet; } \\ & \text {; and in Jynteah the }\end{aligned}$ clastidarí háth is 18.87 inclies, and 16 háths make 1 null.
In Boinbny, for cloth-

```
24 \asmali=1 tasu= = 1 1.8 inch.
```

In Púua the gaz is $34 \frac{1}{5}$ inches, but English cloth is sold by the yard.
In Bengal-

```
3 ungal or argll=1 girih= 2{ Inch.
8 girih =1 hath=18 "
```

Measures of Surface.-In BengaI the following are used:-

$$
\begin{aligned}
& \begin{array}{ll}
16 \text { chhatant } & =1 \text { kattha } \\
\equiv 1 \text { bigha } & =1600
\end{array}
\end{aligned}
$$

The Bengal bigha is $\frac{40}{121}$ or 0.3305785 of an acre. The Benares and Ghazeepore bighh contains 3,600 square Benares gaz, or $3,136 \mathrm{sq}$. yards, or -647934 acre.
In Bombay, Poona \&e.-


If the Bombay kathif of $5 \frac{5}{6}$ haths be exactly $9 \cdot 3644$ feet as stated by Jervis, this lígh will contain $3897 \cdot 422$ sq. yards $=0.805253$ acre; but in other places it varies with the kathi, which is the only real measure ever used in the central and southern parts of the Bombay Presidency. In some places the survey chain of 33 feet has taken its place, and-

$$
\begin{aligned}
& 16 \text { anse or links }=1 \text { gunta or chada. } \\
& \text { =10 guntat acte. } \\
& \text { M }
\end{aligned}
$$

## In Gujarat-



In the North-West provinces,-Delhi, Patna, Shahabad, Sarun, Bhagalpore, and Monghyr, the bíghá of 3,600 square lláhi gaz=3,025 sq. yards or $0 \cdot 625$ acre prevails, and is divided as follows:-

```
2f unwansi or nanwabsi=1 saswamal = 24.502.5 m. In.
    241 saswanal or tanwansi=1 knchwansi= ( 
```



```
    m0 biswa ml hiswa
```

1 acre $=1 \cdot 5$ Delhi blehá. The Orinsa highá ls 1 nere or 4810 sq. gla
The Tirhut bighatis 400 sq. lapf $=12 \% 5$ sq. yds. $=\mathbf{y} 72931$ acre.

In Madras-


Liquid and Dry Measures,-India proparly spenking, docs not possess dry or liquid measures. Where these are employed they represent the ser or the man weight. The value of any vessel of capacity rests solely on the weight contained in it. In South and West India an equal mixture of the principal grains is taken, and a vessel formed to hold a given weight of it.

In Bengal 'he following are used for grain ;the conversion into English mensure being derived from the capacity of a vessel holding a mán of water or $1 \frac{1}{35}$ bushel :-


It may be remarked that the man of $8 \frac{2}{6}$ gallons very nearly would form a very convenient dry measure ; it would bo a little larger than the English bushel, and ought to be a cylinder 8 inches dcep and $19 \cdot 055$ inches diameter, or $8 \frac{1}{2}$ inches deep and $18^{\circ} 48{ }^{\circ}$ inches diameter.
At Bombay-


These faras are not regulated on any authoritative basis.

Fur salt in Bombay-


The faro for ealt contains 1607.61 culic inches; and there is a ser for liquids of 60 tolas, or about 42.78 cubic inches, that is, $1 \cdot 2343$ pint.

At I'oona and ILaweli Taluka-


According to Sykes, a ser in the Deccan contalns $2 \cdot 44934$ lbs. avoir. of Jerwail rice, or $1 \cdot 0.417$ quart. The Adholi is the largest measure in common use.
The measures are all heaped; and equal quantities of five sorts of grain give the equivalent welght in tolas.


At IIydrabad, \&c. (Sindh)-

| 4 chaotais | 1 pstol | $1 \cdot 1743$ | np. |
| :---: | :---: | :---: | :---: |
| 4 patols (373.77 tolus) | 1 doya | $4 \cdot 6971$ | " $\quad$ " |
| 4 toyas | kasa | 18.7881 | " |
| 5 trasat | 1 mundl | 93.912 | " 1 |
| 12 mundias, 60 kans | 1 Ehirwar | 1127-304 |  |

The values of these measures vary at different places; the Toya at Nuggur is 528 tolas, at Mitthi 518 , and at Islamkot 464, on the frontier about 344, and at Shikarpore 295 tolas weight of water.

In Kurrachee everything is sold by weight.

## At MIadras-

$$
\begin{aligned}
& 8 \text { ollacis }=1 \text { padit } \quad 93.75 \mathrm{c} \text {. in. } 5.030 \mathrm{in} \text { in }
\end{aligned}
$$

The Garisha or Garce for grain is $12 \frac{4}{5}$ máns or 320 lbs. avoir. $=3 \frac{9}{9}$ British India máns.

Shipping.-Vessols of various nationalitics trade in and out of the port of Bombay, but the far greater portion are under British colours, showing an average of upwards of 800 tons. The native craft is larger than in any other part of India, trading generally from port to port, and even as far as the Arabian and Persian Gulfs. The following table shows the arrivals and departures at the port of Bombay to and from all forcign places:-


In 1843 there belonged to Bombay, and mostly to uative merchants, 58 ships of the aggregate burden of 31,378 tons, of which 6 only were under 200 tons. They were for the most part navigated by natives or lascars, the master and superior oflicers only, and that not always, being English-
men. Besides these there were then numerous native craft, varying from 2 to 175 tons ench, amonnting in all to about 50,000 tons. In 1863 it was ascertained (Bombay Almanac) that the vessels registered as belonging to Bombay were-

Nquare eligrest
Jlounalnve it canne unier,

Commerce \& ably mitunted is nninications th as the rivers afford the sam Western as on the inland tra along che roarls, ullucks and duties and the eating with the have, however, raile of tho p proved tho I'res

The external arried on with Arabian and Pet in liritish anilo a yery large con minor ports in $t$ bay for the purp parts of the ur chieffy carried o atyl Canara coas
The principal , Kingdom consis (raw), chiefty co liquor, manuifact parel, books and From France, wi jevellery, musica China, raw silk a candy, tea, glass bian and Persian fruits, grain, prec Bauritius sugar.
The export trad consists of raw spices irom Africa skins, opium, coffc coffec, scenls, and and opium. To M. and Persian Gulfs candy, tobacco, te
Value of Princis Presidency of Indiat.

## Articies <br> Apparel <br> Cattle, horses \&c. <br> Cotton $\left\{\begin{array}{l}\text { twist and yarn } \\ \text { roods }\end{array}\right.$ <br> Fruits - ${ }^{-0 o d s}$ <br> Jeweliety and preMachinery Malt liquor <br> Metals $\left\{\begin{array}{l}\text { manufactured } \\ \text { unmanufac- }\end{array}\right.$ Aallway materiala <br> Sill, raw material <br> Silit raw = <br> Tugar and sugar candy <br> Tea ${ }^{-1}$ <br> Miscellaneous : <br> Guross Imports- <br> Total Impert Trade

The discrepancy ports is to be acco tions of cotton fron were in response to cessation of the For some time $t$

Nquare zigenel Nquare zigged
Hosts atwe 10 tons
do. under

Aggregaie Atonnake.
T7. 352 77
${ }^{\text {Afreremato }}$ firiin
cessively active, speculation was rife, fortunes were rapidly accumulated. Land in the neighbourliood of the part rose to a fabulous price. As might bo expected, the reepening of the Southern fiorts of tho American Union reversed some of these circumstances, and the necessary consequences of over speculation ensued, but llombay has been permaucutly benefted by the exirnordinary commercina netivity of the yenrs $186 \mathrm{~b}-\mathrm{J}-\mathrm{J}$.

Value of Principul Articles Exported (including 1 mports re-cxported) from the I'residen'y of 13ombay to all parts out of India.

| Article\% | 1850-51 | 1833-51 | 14671.fil | [ $\times 5.3$-fis |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{array}{r} f, 854 \\ 2,913,041 \end{array}$ | $\left\|\begin{array}{r} \boldsymbol{f} \\ 6,3 ., 39 \\ 2,469,7 \in 0 \end{array}\right\|$ | $\begin{gathered} \text { f.6,631, } \\ 6,972,1266, \end{gathered}$ | $133-36$ |
| goons. iwist, and yam |  | 518,537 | $6,35,2$ |  |
| $\mathrm{Cizain}_{\text {Indigo }}$ : $:$ | 30, 1776 | 61,539 | 152,013 | 11514 |
| Indigo | 2, 1, 50641 | 2,744,156 | 6,609, 6949 | 0,518, 0.3 |
| Saltpetre | 2, 0 , | 2,74,135 | 6,609, $3: 6$ | 0, 518.154 |
| Neets | $2 \times 211$ | 1120,059 | 961,102 | 6isp, 271 |
| Shawls, Cashmare | 1.54,136 | 14צ, 204 | 31,411 | 20:1,213 |
| silk ${ }^{\text {raw }}$ good | 1.3,453, | 35,766 | 75, 117 | 6, 66.3 |
| Sples | 19,911 | 69,115 | 31, 390 |  |
| Sugar - | 1010,011 | 1010,675 | 53,93m | 71, 175 |
| Tea | 13,93,5 | 18,4i9 | 41.018 | 46,939 |
| Wobact | 3, 2.511 | 5,061 203148 | 13,281 | 18,951 |
| Miscellaneous | $614,28.5$ $-103,211$ | 203,148 553,400 | 478, 13.3 $842,68$. | 093,017 716,389 |
| liros exports | $1,599,615$ 160819 |  | 17,1136,54 | 38,0143,759 |
| 'Total Export Tra | , B | 929.7 | 14 rain | 184,966 |

Proportion of Imports into Bombay from the United Kingdom, and Lixports from Bumbay to the United Kingdom, at different periods from 1850 to 1864.


Statement of the $V$-lue of the External Trade of Bombay exclusive of linterport Trade with other Ports in the same Presidency, and of Remittances of Specie on Government account, for cach of the 6 Years ending with 1860-7.

| Year : | Imports | Exports | 11. Exports | TotalTrade |
| :---: | :---: | :---: | :---: | :---: |
| 1861-2 |  | 18, ${ }_{\text {R }}^{\text {e }}$ ¢,060 | 2,410,999 |  |
| $1861-2$ 1868.3 | 49,018,709 | 47,175, 88.3 | 2,963,3911 | 4, ${ }^{4,157,914}$ |
| 186.3.4 | 36,340,307 | 37,810,017 | 3,457,975 | 77,6018,3,3 |
| 1864.5 | 34,471,064 | 40,917,118 | 4,403,709 | 79,791,89\% |
| 1865.6 | 35,56x, 516 | 53,511,787 | 4,613,016 | 75,60.3, 1.50) |
| 1966.7 | 22,230,504 | 19,5;0,147 | 4,940,181 | 46,741,7,31 |

Banks.-These consist of the Chartered Mercantile Bank of India, and the Chartered Bank of India, and branches of the Oriental Bank of London, the Agra Bank \&c. Including agencies of English houses, there aro about 13 in all, the capital amounting in the aggregate to alout $16,000,000 \mathrm{l}$. But it would appear from the Bombay Calendar and Directury for 1868, that thero were, besides these, 56 Banking and Financial Assa ations connceted with Bombay then in course of liquidation. .

Insurance.-Companies for the insurance of lives, shipping, and against fire, have been established in Bombay; and several of tho London and Calcutta Insurance Companies have agents here.

Marine Insurance Companies.-There are 39 marine insurance offices, clietly agencies, at Bombay. The fise and life insurance business is conducted almost exclusively by agents for companies in England, there being only one life company, namely, the Bombay Laudable, having a quina 2

## BOMBAZINE

queminal existence, as tho first appears to have Leen extnblished in 1829 and terminated December 31, 1833:; and the seventh Lnudable Society terminatel on December 31, 1863.
C'ustoms Dutiex: Import and Export.-By the Indimn Customs Duties Act of March 1867, one unifurm tariff for imports and exports was tixed fior all prorts in British India. [Calcutia.]

Tonnage Scale at Bombay.

be tivell at sucuthic feet.
The freight on oil is paid on the full gauge of the cask, ascertained at the port of discharge.
When freight is parable on weight, the same is to be on the net weight delivered.
hules and regulations for the measurement by cullipers upon slipments to Great Britain of cotton, nrol, hemp, and other screwe:l and pressed bales, at the port of' Bombay.-1. That enllipers shall from time to time be submitted to the Secretnry of the Chamber of Commerce, and if lound correct, shall be branded with a stamp bearing the name of the chamber, to indicate the same.
2. That if, from use or otherwise, any callipers should get out of order and be objected to, the party objecting shall send the callipers to the chamber for examination; and should the objection
be valid, the chanmber's stamp shall be defacetl by the secretary ; if, however, the objection is founil to be groundless, th., secretary shall give a note to that effect, and the party olijecting shall be bound by his teccisim.
3. That any cellipers found incorrect, and on which the stamp has been defaced, may be restamped after adjustnent.
4. That un measurיments shall be held good except such as are taken by callipers hearing the clamber's stamp.
j. That cotton, hemp, wool, nud other screwed bales ahatl be mensured ns finlows, namely-the greatest length to be tirst ascertained, and then the bale to be set oll either end, ns the shipmaster my wish, anil cross measurements to bo taken at top, over the lashings, excepting the knots, and ns near the centre of the bale as possibic. That an average of 100 biles be struck by nscertaining the aetual measurement of any 10 bnles, and proportionately, the shipper selecting and measuring one half, and the shipmaster the other half; should, however, any dispute or difllculty ariso in the selection of bales, either purty to have the option of measuring the whole quautity.
6. That all produce sabject to measurement be measurel within the day on which it has been orlerell to be serewed, provided the order has been given by the shipmnster or agents of the vessel; and that from June 1 to October 15 the same be mensured at the Screws: during the remainder of the year, if required, on the Bundo., weather permitting. No cotton, wool, or other goods to be measured until a Custom-house pass has been obtnined for the same.
7. That in the event of the shipmaster not attending to measure at vel hour us may havo been appointed by him ngent or agents of the ship do empower a pe ttend on his behalf, whuse sanction to $t$ urement shall be binding upon the shipmaster.
Money.-Silver is the legally constituted medium of exchango in all money trnnsactions throughout the British-Indian possessions, Gold coin was intended to be a legal tender, at a fixed value of 16 rupees for the gold mohur of Calcutta, and 15 rupees for the gold rapee of Madras and Bombay ; but it is not demandable in payment, and is left to find its current value in the market.
The value of a rupec is generally assumed as equal to $2 s$. sterling. At the Cnleatta mint price of silver it is worth $2 s, 0.035 \mathrm{~d}$. ; at the commercinl par of exchange 1 s . $11 \cdot 51 d$; and nt tho Londort mint price of silver it is worth $1 \mathrm{~s}, 11 \cdot 0+d$.

The rupee weighs 180 grains troy, or 1 toln, and consists of 11 parts of silver and 1 of nlloy. The gold rupee is of the same weight and staidard. The copper coins are the half anna, weighing. 200 graius; the quarter anna or paisa, 100 grains; the half paisa, 50 grains ; and the pic, $33 \frac{1}{3}$ grains.
In lombay, acceunts nre still often kept in rupees, quariers, and racs, $2 ;$ raes making ono амиа.


BOMBAZINE (Fr. alépine). $\Lambda$ kind of mixed stuff of silk and wool, originally manufactured at Milan, and thence sent into France and other conatries. The chief seat of its foreign manufneture is Amicns. In this comutry it has goue
grently out of fibrics, but it export trade BONES. I other animals hatulles for k bat of late yea nuco in agric latter they ar duced to powils nure for turnip the sect, thoug hrondea : and used varies fror 40 bushels larg be considerably gone the proces neel, in this co in Lincolushire their extensive been one of the ment, and of the it has attained. largely used, no the adjacent co of England, and and ita influenc and turnips, an of butchert imea extriordinary. of this marure a tension of furro of stcam navigat ments that liave 1220 , and the vas aro princlpally to
II 182 Mr . H of the bones ani about 100,0002; amounts $t$ more valoem daty of $1841,2,9332.56$. 3 of the imports mu of which it is abu paratively small I than in a ngricicltur? from the Nethe America. It is a on bones imported


Let the transactic order for goods from house in Jamaica se
freatly out of fashion, being superseded by alpaca finbries, but it is sall that the ee is a considerable export trade in the fabric te South America,
[BONES. In the Arts, the bones of esttle and other animals are extensively used in formiog handles for knives, and various other purposes; but of late years they lave been of most importance in agriculture. When employed in the latter they are, in most instances, ground or reduced to powder, and are commonly used as manure for turnips, being in general drilled in with the seel, though sometimes also they are sown liroadea. t and with other crops. The quantity used varies from about 25 bushala of dust to about 40 bushels large an acre. Their effect is said to be considerably increased when they have undergone the process of fermentation. They were Ifrst used, in this country on a large seale, as a manure in Lincolnshire; and there can be no doube that their extensive employment in that county has been one of the chief causes of its rapid improvement, and of the high state of cultivation to which it has attained. Bone-dust is now, however, very largely used, not only in Lincolnshire, York, and the adjacent countics, but in most other parts of Fingland, and almost everywhere in Scotland ; and its influence in incrensing the crops of corn and turnips, and consequently also the supplies of butcher's meat and farm manure, has been quite extraordinary, in fact, it is to the employment of this manure and guano, combined with the extension of furrow drainage and the introduction of steam navigation, that the wonderful improvements that have been made in agrieulture since 1820, and the vast increase of agricultural produce are principally to be aseribed.

In $1822^{\circ} \mathrm{Mr}$. Huskissons estimated the real value of the bones annually imported for manure at about $100,000 L$; but at present ( 1868 ) it probably amounts to more than quadruple that sum. The ad valorem duty of 1 per cent. on bones produced, in $18+1,2,933 l$. 5 s. $3 d$. nett, showing that the value of the imports must then have exceeded $293,000 l$., of which it is abundantly certain that but a comparatively small portion was employed otherwise ihan in agriculture. They are principally brought from the Netherlands, Germany, and South America. It is a curious fact, that while the duty on bones imported into Scotland in 1841 amounted

BOOK-KEEPING
to 749l. 4s. 4d., the daty on those imported linto Ireland amounted to only $2 l .10 \mathrm{~s}$. $1 d$. After being reduced in 1812 to $6 d$. a ton, the dity on bones was finally repealed in 18.45 . $\ln 1866$ the imports of bones (exclusive of whale fins) into the United Kingdom amonuted to 80,306 tons, valued at 409,590l.

Burnt bones or animal charcoal possess remarkable powers of absorbing noxious gases, and of bleaching water which is stained by organic matter. Hence they are used largely as thic material for filters, and in particular fur retiniog sugar. The same substance is employed to form the enpel of the gold and silver refiner, the scoria of the alloy sinking into the aubstance of the cupel, and the button of pure metal remaining on tho surface of the crucible.

The most powerful kinds of animal clarcoal are obtained from the ignition of substances possessing a large ainount of animal matter, as dried blood, hair \&c, Thus, while bone black has a power in decolorising syrup and indigo which may be represented by 1, a eharcoal formed from blood ignited with carbonate of potassa lias the powers of 20 and 50 on these substances respectively.

IBUOK-KEEPING. The art of kecping the accounts and books of a merchant. Book-keeping by double entry means that mode or system in which every entry is double, that is, has both a debtor and a creditor. It is also called the Italian method, becanse it was first practised in Venice, Genon, and other towns in Italy, where trade was conducted on an extensive scale at a much earlier date than in England, France, or other parts of liurope. This method, however familiar to merchants and book-keepers, acems intricate to almost all who have not practised it; nor is the dryness and difficulty of the task much lessened by the printed works on the subject, which, having been compiled more by teachers than by jractical merchants, contain a number of obsolete rules and unnecessary details. The most effectual mode of giving elearness and interest to our remarks will be, first, to state a few mercantile transactions, and then to explain the nature of the accounts and entries which result from them.

The Journal of a mercantile house ought to open, at the beginniag of each year, with an enumeration of their assets and debts, as follows :-



Let the transaction to be first explained be an at home to buy and ship a quantity of mannorder for goods from a correspondent abroad. A factured articles, suited to the Jamaica market, as bouse in Jamaica sends instructions to the house follows:-


```
Linem ; Lint Niretie Osnahurgs, if balen, nbout od. per yard.
    Best white Platillas,1 cave.
```



```
Winflens: & bales Penistones, 3-4thy vide, bezt indlgo blue, lf. a vard
Coltoms 1 $0 pleces stout calico, z% yards each, 3.4tis, wlile, td. n yard. 
    100 do, stout callco shlrting, 7. %thy wide, tuperior, 6d, a yard.
Hats; 4 dozen gentlemen's supertine black, yos. esch.
    z do. \ouths do. drom, \0%. ench-
    ta. youths, cor biser, 15s. each
Shoea ; 10 dozen prome colf-skin shoes, ful slze,66s, per dozen.
    los,
```

This orter the London merchant divides among | three weeks, or month, allowed him by the mersix, seven, or more wholesalo dealers, according to their respectivo lines of business. Each dealer, or tradesman, as he is commonly called, provides his portion of the orter in the course of the fortnight,
chant; and when the goods are packed and ready to ship, he sends in his account, or bill of parcels thus:-


## Messrs. Hekry Barclay \& Co.



$$
\text { London, 20th February, } 28.13 .
$$



The merchant, Laving received the whole of Custom-house, and to ship the goods. That done, the bills of parcels, fixed on a vessel, and agreed tho next step is to prepare the Invoice, or general for the freight, proceeds to make an entry at tho account of the shipment, as follows:-

Invoice of Gonds shipped by Henry Barclay \&. Co. in the Rawlins, J. Thomson, from London to Kingston in Jamaica, on account and risk of Messrs. James Allan \& Co. of Kingston.


This invoice, being sent ont by the vessel to Messrs. Allan © Co., conveys to them a number of partieulars in a short space; viz. the mark, the nombers, the value, and the contents of each package. In furmer times it was the practice to make an invoice very long, inserting in it a literal copy of each bill of parcels, but it has now become usunl to make each tradesman deliver a duplicate of his account, to be sent abroal with the goods; in which easo the invoice may be, like the above, little more than a summary of tho bills of parcels. This method has two adrantages: it saves time
at the counting house of the exporter, and it affords to his correspondent an assurance that no moro is charged to him than has been actually paid for the articles.
An invoico ought to be mude out with the utmost care, for it is a document of great importance in several respects: first, between the exporting merchant and his correspondent abroad; and next, when in tho hands of the latter, it may and generally does form a voucher for calculating the import duty, as well as for the sales effected to retailers or other dealers.

The sum generally 2 per cent insurers in It is thus I


Tho prece mercantile $h$ prises a vari

Invoice of F
Master.
and risk.

| ${\underset{i}{\text { to }} 6 .}_{\mathrm{J}_{6}}$ |  |
| :---: | :---: |
| Inondon | Oct |

The followir herrings, shipp London, in th to Barbadoes, b John Henderso him at Bridgeto

```
J. H. {\begin{array}{r}{60\mathrm{ harrels }}\\{\mathrm{ at Mrid}}\\{\mathrm{ at 21f. }}\end{array}|
```

This invoice is been that the 1 fixed price, all c

Account of $S$

The sum insured by the exporting mercinnt |the goods, and the charges of shipping, insurnnef, generally exceeds the amount of the invoice by and freight, but such further sum as may enable 2 per cent., because the recovery of a loss from the shipper, in case of loss, to carry to thic credit insurers involves a charge of fully that amount. of his eorrespondent the amount of the invoice, It is thus necessary to cover not ouly the price of elear of any deduction.

Journal Entries resulting from the foregoing Invoice.


The preceding invoice, being for aecount of a we subjoin two short invoices, for account of mercantile house, who sell again to dealers, com- sugar planters, and confined to articles consumed prises a variety of articles : as a further specimen, on their estates.

Invoice of Plantation Stores shipped by Menry Barclay \& Co. in the Adventure, J. Williamson Master, for Kingston, Jamaica, by order of Mr. Jaries Thomson, Planter, and for his account and risk.


The following is an invoice of $\mathbf{6 0}$ barrels of|action of a different kind; to the sale of gools herrings, shipped by Henry Marclay \& Co. of imported from abroad. A merchant in England London, in the Barclay, James Ferrier, bound receives from a correspondent, whether in India, to Barbadoes, by order and for account and risk of the West Indies, or North America, notice of a John Henderson, Esq., planter, and consigned to him at Bridgetown, Barbadoes. shipment of sugar, coffee, rice, or other produce, ahout to be made to England, with instructions to effect insurance on the computed value. This is the first step in the transaction; on the arrival of the vessel the goods are entered, landed, and warehoused; and a broker is instructed to report on the state and prospects of the market. On a sale taking place, an necount is made out and forwariled to the correspondent abroad, as follows:-


We have here, on one side of the account, the barrel or package required for the coffee taken out quantity and value of the goods sold; on the other, the various charges attending the bringing home, the warelousing, and the sale of the articles.
The quantity of goods accounted for in an account sale must be the same as in the invoice; if it be less, whether through damage at sea, through waste, or any other cause, the extent of the deficiency should be explicilly stated. By the overtaker in the following sale is meant the additional
of such of the tierces as have been opened on account of breakage or nther damage.
Allowances of Weight-The tare is the weight of the cask, and differs, of course, in almost cvery package: but trett (see the following sale) is a tixed allowance of 5 lbs , per tierce in the case of coffee, intended, like draft in the case of sugar, to insure good weight to the buyer, and to cnable him to do the same to those who purchase ogain from him.


Freight is charged on the weight of the pro-|and is to be traced less to the reason of the duce only ; not of the produce and packages case than to the competition prevailing among together. This allowance is of old standing, shipmasters.

Journal Entries resulting from the preceding Accounts of Sale.


We have thus given an example of the $\mid$ produce received in return. Our next illustransactions which form a great part of the iration shall be of a merchant's cash book. basincss of our merchants ; the export of manu- Tho following is an exainple of the entrics for factured goods, and the import and sale of a month:-


These transactions, when put into the Journal form, stand thus:-



The above shows, that for all sums received, indebted to the house. The debts of correthe account of cash is made debtor, and the spondents abrond may be reluced by reminparties paying the same are made creditors; ting either bills, specie, or merchandise for while for all sums paid, the ensh is credited, and the parties receiving them are made debtors.
We are next to state the mode of entering bill transactions.
itntement Bils reccivable.-We have seen by the Bn - of the clate, term, sum, and other particulars lance sheet that severil corresponicints are thus:-

| No. | Recelved | From whom | Drawn by | Ilata | Term | Drawn on | To order of | Due | Sum | How dlap. of |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.50 | 8 March | Bailey \& Co. | W. Adama | Ilrifast, 1 Dinch | 4 months | T. Junes, Dublin | A. Williams | 1-4 May | ${ }_{3}{ }^{\text {f }}$ | Rainicy \& C |
| 633 | 10 Marel | Wation \& Co. | J. Jarcha | Cork, 3 March | 1 month | J. Adams, London | 6. Whama | 3-5 April | 135 | Smit \& Co. |
| 632 | 18 March | Spence \& Ca.l | T. Johnno | Falmunth, 5 M | 4 noonth | T. Allan, Liverpool | D. Jonex | 3-8 May | 260 | Crerend \& Co. |

The Journal Entries for these bills are as follow:-


Bills Payable.-The entries under this head are, |account of sums owing by it to correspondents. of course, wholly different from the preceding, Each aceeptance is entered in the book of bills being for acceptances of the house given on payable, thus:-

| No. | Drawn ly | Placa and Date | o order of | On account of | Term | When occep. | Due. | Sum |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 151 | J. Allan \& Co. | $1 \mathrm{mmaics,15}$ January | J. Jones | J. Allan \& Co. | 90 days' alght | 12 March | 10-13 June |  |
| 1.52 | 9. is W. Fox | Falmouth, 7 Narch | T.Thomson | 1. \& W. Fox | 15 days' date | 14 March | 24-25 March | 73150 |
| 153 | J. Clark | llall, 5 Mareh | 6. Harclay | J. Smith \& Sons | 1 month's date | 16 March | 6-8 March | 132100 |

The Journal entrics for these bills are as follows :-


The preceding entries, few as they are com-1 all the acceptanees of the house paid in the course pared to the monthly traisactions of a house of of the month appear in the Journal eutry of Bills business, are sufficient to show the nature of a Journal as well as of the subsidiary books (for cash, bills, invoices, and account sales) from which it is composed. The Journal, being a complete record of the business of the loonse, is very varied and comprehensive in its nature, and may be termed an index to every book of consequence in the counting-house. But while in the cash book every payment or receipt is entered on the day it takes place, and in the bill books every bill is registered on the day it comes to haud, or is accepted, the Journal entries, being completed Payable Dr. to Cash: they are arranged in this entry as they fall due, after which the whole are added into one sum, which sum alone needs b3 carried to the Ledger. In like manner, all bills receivable, whether discounted, or kept by the house till they fall dac, are collected under the head of Bills Receivable Dr. to Cash, summed up together, and carried to the Ledger in one line; a point of great importance, as we shall see presently, in facilitating the balance of the Ledyer.
We proceed to give a specimen of the Ledger: only at the eud of the month, admit of being the whole of the Journal entries in the preceding combined to a considerable extent, so as to exhibit pages, when posted into the Ledger, will stand a number of transactionsin collective sums. Thus thus:-

| Dr. |  | Stock. |  |  | Cr. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\text { Jant. }_{1812}$ | Fo. <br> 1 | To nundrles - - - |  | By sundries - - - - | 2 $\%$ $d$ <br> 32,391 17 10 |
| Dr. |  |  | Cash. |  | Cr. |
|  | 1 15 |  |  | By sundries - - - | 8,170 77 |
| Dr. |  | Exchequer Bills. |  |  | Cr. |
| Jan. 1 | 1 | To stock - - - | 3,310 000 |  |  |
| Dr. |  | Threz and a halp \& Cent. Stock. |  |  | Cr |
| Jan. 1 | 1 | To stock . - - | 3,400 $00\|\mid$ |  |  |
| Dr. |  | James Joansun, London. |  |  | Cr. |
| Mar. 1 | 4 | Tocash - - | $27 \mathrm{~S} 1511 \left\lvert\, \begin{gathered}\text { Mar. }\end{gathered}\right.$ | By J. Allan \& Co. - - | 2781511 |
| Dr. |  | Joan Wilson, condon. |  |  | Cr. |
| Mar. 1 | 4 | To cash . - | $4200 \\|$ Mar. 619 | By J. Allan \& Co. - 1 | 4200 |





- The Ledger is thus a register of all the entries in the Journal ; and a register so arranged as to exhibit on one side all the sums at Debtor, on the other all those at Creditor. It is kept in the most concise form, the insertions in it hardly ever exceeding a line each, or containing more than the title of the entry in the Journal. On opening a page in the Ledger, a person unacquainted with book-keeping is apt to consider this brevity unsatisfactory; and it was formerly the practice to add in each line a few explanatory words. Thus the entries in the Dr. site of the account of Simon Frazer, which in our preceding page are briefly

would, at an earlier date in the practice of bookkeeping, have been expanded to

March 18. "To cash paid for yoods per Ramelint
\#6. T. dikto paid J. Jackson for his account
31. To hills payable, pald J. Clark's draft for 98000 tils account

This method is still followed in some countinghouses, and such explanatory additions are certainly conducive to clearness; but they are practicable only in a heuse of limited business:
wherever the transactions are numerous and varied, they should be left out of the Ledger, for two reasons; they increase greatly the lnbour of the book-keeper, and they never can be so full or circumstantial as to supersede the account current book.

The same Ledger may continue in usc from one to tive years, according to the size of the book, or the extent of the transactions of the house. On opening a new Ledger, it is proper to place in succession accounts of the same class or character : thus-Stock account ought to be followed by that of the Three per Cent. Consols, Exchepuer bills, or other property belonging to the house; and if the business be with the West Indies, it is tit that accounts with Jamaicn ghould be placed near these with Demerara, Trinidad, and other sugar colonir s.

Balancing the Ledger.-This important operntion is performed by adding up the Debtor and Creditor side of every account in the Ledger, ascertaining the difference or balance in ench, and carrying such balance, as the case may be, to the Debtor or Creditor column in the balance shect. On closing, for example, a few of the preceding Ledger accounts, we find them to stand thus:-


And so on with every account except Stock, which, having no entries in the current year, is put in the balance sheet exactly as it was in the beginning of the year. Includiug Stock, the total at the Debtor side of the balance shect ought to agree exactly with the total at the Creditor side: and if it do not, it is a rule in all well-regulated counting-houses to follow up the examination perseveringly, until they are made to agree. The apparent difference may not exceed a few shillings, or a few pence; still the search is continued, because the smallest diserepancy shows the existence of error, and to an extent perhaps greatly beyond the fraction in question. It often happens, indeed, that, as the examination proceeds, the difference undergoes a change from a smaller to a larger ameunt, and without increasing the difficulty of discovering the error, which is as likely to have eccurred in the case of a large as of a small sum. Differences, when in round sums, such as $10 l ., 100 l$. or $1,000 l$., generally lie in the addition; fractional sums frequently in the posting. All this, however, is uncertain; for the crror or errors may be in any month in the year, and in any one of the thousand entries and upwards which have been made in the course of it.

Hence the necessity of examining the whole; and young book-keepers are often obliged to pa's week after week in the tedious labour of revising, adding, and subtracting. On the other hani, there are sometimes examples of the bulance being found on the first trial; but such cases are rare, and occur only to careful and experienced book-keepers. The only effectual means of lessening the labour and perplexity of balancing the Ledger is to exercise great care in every stage of the book-keeping process, as well in making the additions in the Journal, as in posting from the Journal into the Ledger, and casting up the Ledger accounts; and, lastly, in adding up the balance sheet, which is generally of formidable length.

Accuracy in addlition is one of the main requisites in a clerk, and particularly in a book-kecper. Of the extent to which it may be attained by continued practice, the:e only can judge who have experienced it themselves, or have marked the ease and correctuess with which clerks in bankinghouses perform such operations. They are in the habit of striking $a$ daily balance which comes within smnll compass; bit a merchant's balanee, comprising the transactions of a year, extcuds
commonly ov advisable, th portions of $t$ separately. evidently easi in succession, coutaining fift
Another im balance, is to ger entries; il as possible in which are po case of the 1 receivable or the Journal bill, the final the Ledger-s n number of bi book, which g of the transac some book-ke inte the Ledge ment in the Jo ness this plan it is better to cash, thereby entries the tran posted separat required for rowill, in most exhibiting the facilitating the of the year.
We have said nine mercantil

Allan \& Cn., Ji Amrlia, ship

The Subsidia business in this persons on a ver number of mer whom we shoul call merchants, what like that keepers. The m dailr record of chases, receipts, was called a W in which the en written, being in transactions in diary the Journ book-keeping by understood by fo books of several $n$ in the week nt these rough ma entries. In proe tiplied and merea separate books w particular depart bills of exchang money transactio in the large mer and; and above ral practice in 1 then the only England. But in houses, the bill bo long considered a details ; not as bd ments for Jourua diary only was us of keeping these merchants becam
commonly over a number of folio pages. It is ndvisable, therefore, to divide each page into portions of ten lines each, adding such portions separately. This lessens tho risk of error, as it is evidently easier to add five or six such portions in succession, than to do at once a wholo folio contnining fifty or slxty sums.

Another important point towards agrecing a balance, is to limit carefully tho number of Ledger entries; in other worls, to comprise as much as possible in those aggregato sums in the ., ournal which aro posted in the Ledger. Thus, in the case of the monthly entrics for bills, whether receivable or payable, while the iuncr column of the Journal contains the amount of cach specific bill, the final column-that which is carried to the Ledger-should, and gencrally dees, comprise n uumber of bills in ono sum. Lintries in the cash book, which gencrally form so large a proportion of the transactions of the month, are carried by some book-kecpers directly from the cash book into the Ledger, without an intermediate arrangement in the Journal form. In some lines of business this plan may answer; but as a general rula it is better to tako the trouble of journalising the cash, thereby comprising in 30 or 40 Ledger entries the transactions of the month, which, when posted separately, would excced 100 . I'ho time required for ra-writing or rather re-casting them will, in most cases, be amply made good by exhibiting the cash in a proper form, and by facilitating the balance of the Ledger at the close of the year.

We have said the closo of the year, becausc, in nine mereantile houses ont of ten, that is the
period for striking a balance. In some branches of trale, however, the case is otherwisc. Thus, among West India merchants, April 30 is the time of balancing, because at that scason the saics of the preceding crop arc, in general, completed, and those of the current year not yet begun.
Arrcars in book-keeping ought to be most carefully avoided-calculated as they are to engender mistakes, and to produce loss from delay in adjusting accounts. The practice of balancing tho ledger every i months, and of transmitting as often accounts current to the correspondents and councetions of merchants, will, it is to be hoped, become general. It is, howover, harilly practicable in cases where, as too often happens in the lesser mercantile establishments, tho book-keeper is charged with a share of the active manngement. Exemption from interruption, and removal from the bustle of current business, are anain requisites to accuracy and despatch in accounts. In exnmining, or, as it is called, collating the books, the book-keeper requires not only a retired apartment, but the assistance of a clerk for the purpose of calling them over. A similar arrangement for another purpose - we mean for composing tho Journal, the book-keeper dictating from the subsidiary books to a clerk whose writing forms tho dranght or rough copy of the Journal-has as yet been seldom adopted; although, when properly applied, it is highly conducive both to accuracy and expelition.

A Ledger must, of coursc, have an index; but it is very brief, containing mercly tho titles of the accounts and a reference to the page, as follows :-
Allan \& Co., James $=$
Aurlia, ship

The Subsidiary Books.-In former times, when buisiness in this country was conducted by most persons on a very limited scale, tho accounts of a number of merchants, or rather of those dealers whom we should now think it a compliment to call merchants, were often leept on a plan somewhat like that at present followed by our shopkeepers. The merchant or his chief clerk kept a daily record of transactions, whether sales, purchases, reccipts, or payments, in a diary, which was called a Waste-book, from the rude manner in which the entries or rather notiecs in it were written, being inserted, one by one, soon after the trausactions in question took place. From this diary the Journal and Ledger were posted; and book-keeping by double entry being in those days understood by fow, one person frequently kept the books of several merchants, passing one or two days in the week nt the house of each, and reducing these rough materials into the form of regular entries. In process of time, as transactions multiplied and mereantile business took a wider range, separate books were more generally required for particular departments, such as a bill book for all bills of exchange, and a cash book for all ready money transactions. This had long been the case in the large mercantile towns of Italy and Holland; and above a century ago it became a general practice in London and Bristol, which were then the only places of extensive business in England. But in English, as in foreign ceuntinghouses, the bill book and even the cash book were long considered as little more than memoranda of details; not as books of authority, or as fit documents for Journal entries: for that purpose the diary only was used. In time, however, the mode of keeping these subsidiary buoks improved, and merchants became aware that, when cash or bill

Mailey \& Co., Janees
Bills payable
Bills payable
Follo
6
7
transactions were properly entered in them, the Journal might bo posted from them as well as from the dinry.

Similar observations are applicable to the other subsidiary books, viz. an invoice book for goods shipped, and an account of snles book for coods received and sold. When from the gradual improvement in the management of counting-houses these books were kept in a manner to supply all that was wanted for Jeurnal entrics, the use of the diary was dispensed with for such entries also. And at last it was found, that in all well-regulated counting-houses the books kept for separate departments of the business were sufficient for-the composition of the Journal, with the exception of a few transaciions out of the regular course, which might be easily noticed in a supplementary book called a Petty Journal, or a book for occasional entries. The consequence was, that the cliary or waste book, formerly the groundwork of the Journal and Ledger, became excluded from every well-regulated counting-house. This las long been the case, and the name of waste book would havo been forgotten, were it not found in the printed treatises on book-keeping which have appeared from time to time, and have been generally composed by teachers in schools or academies, who, unnequainted with the actunl practice of merchants, were content to copy and reprint what they found laid down in olid systems of bookkeeping.

The subsidiary books required in a comntinghouse are, the Cash book;
llook of Acceptances of the house, or Bills Payable;
Book of Bills receivable, or bills on other merchants which are or have been in possession of the heuse;
l3ought book, or hook for bills of parcels;
Invoice bock, or register of goods sold or ex ported;

Account of Sales book;
Insurance Policy book; containing copies of all policies of insurnace;

Petty Journal, or book for such occusional entries as do not belong to nny of the preceding.

Such are the authorities from which it is now customnry, in every well-regulated honse, to compose the Jonrnal. Their number indicates a rejartition or subdivision, to a considernble extent, of counting-house work, and nowhero is such repartition productive of greater advantage. How muel better is it to enter all bills receivable in one book, all bills payable in another, and all cash transactions in a third, than in any way to blend these very distinct entries! The effect of this mubdivision is to simplify the Journal entries in a manner highly conducive to necuracy and despatch; and to present such means of checking or exnmining them, that many transactions may bo stated, and an account extended over a number of folios, without a single error.

The use of most of the subsidiary books is sufficiently pointed out by their names; but it may be well to add $n$ few remarks on the Bought Book, or receptacle for the atcounts of goods purchased. A bill of parcels is the name given to the account of goods snpplied by a maunfacturer, tradesman, or dealer, to a mereliant. Such accounts soon become numerous, and it is evidently of consequence to adopt the best method of keeping them. In former times it was the practice to fold them up in a uniform size, and after writing on the back the names of the respective furnishers, to put them away in bundles. But wherever the purchases of a merchant are extensive, and the bills of parcels numerous, the better mode, after arranging them alphabetically, is to paste them in a large book, generally a folio, made of blue or sugar-loaf paper: this book to have its pages numbered, and to have an alphabetical index. Any single bill of parcels may thus be referred to with the same case ns we turn to an account in a ledper; and one of these folios may be made to hold a very great quantity of bills of parcels; as many as would form a number of large bundles when tied up on the plan of former times.
Book of Bills Payable.-The notice, or, as it is termed, advice of bills payablo after sight, generally comes to hand before the bills themselves. As the time of the arrival of the latter is unecrtain, the better plan is not to enter them from the ndvice among the other bills payable, but to approprinte a space of 10 or 12 pages at the beginning or end of the book of bills payable, and to insert there the substance of the advice received.

There are a few books in every counting-house which do not form part of the vouchers or materials for the Journal; viz. the Account Current book, contrining duplicates of the accounts furnished by the house to their different correspondents and connections;
The Letter book, contnining copies of all letters written to the correspondents or connections of the house;
The Petty Cash book, or account of petty disbursements, the sum of which is entered ouco a month in the cash book;
The Order book, containing copies of all orders received;
The Debenture beok, or register of drawbacks payable by the Custom-honse.

It was formerly a practice in some houses for the book-keeper to go over the letter book at the end of ench month, that he might take note of
nny entrics not supplied by the subsidiary books. This, however, is now unnecessary; these books, when carefully kept, contnining, in one shape or other, every transaction of the honse.

The Principle of Double Entry.-From these explanations of the practice of book-kecping, wo must call the attention of our readers to a topic of more intricacy-the origin of the preseat system, and the manner in which it was adopted. 'To record the transactions of a merchant in a Journal or day book was an obvious arraugement, and to keep a Ledger or systematic register of the contents of the Joumal was a natural result of his business, particularly when conducted on credit. Such, in a rude form, are the books of our shopkeepers, who enter their sales and purchases in a day book, and in their Ledger carry the former to the Dr. of their eustomers, the latter to the Cr, of the wholesale dealers who supply them with goods. By making at tho end of the jear a list of tho sums due to him by his customers, and of those due by him to wholesalo dealers, a shopkeeper may, nfter adding to the former the value of lis stock on hand, make out an approximate statement of his debts and assets. Now, that which in this manner is done indirectly and imperfectly, it is the object of double entry to do with method and certainty. The shopkeeper makes out a list of debtors on one side and of creditors on the other, but he cannot make them balance, because his entries have been siagle; that is, they have had no counterpart. On making a purchase of cottons from Mesgrs. M'Connell of Manchester, or of woollens from Messrs. Gott of Leeds, he merely enters tho amount to their credit, bit he makes no one Dr. to them, becouse the goods are not sold; und to iutroduce an imaginary account would be too great a refinement for a plain practical man. 13it a person accustomed to double entry would, without any effort of thought, make 'Printed Calicoes' Dr. to Messrs. M'Conncll, and 'Kerseymeres' Dr. to Messrs. Gott, for the respective nmounts; after which, as the sales proceeded, he would make the buycrs Drs. to these accounts for the amomit of their purchases.

We thus perceive that the intricacy in the application of double entry was not with the personal so much as with the nominal accounts. Let us refer to the conntry where book-keeping was lirst studied, and take as an example the case of Doria, a merchant in Genoa, slipping, in a former age, silk, of the value of 200l., bought from Flori, in Piedmont, to LIenderson and Co., silk manufacturers, in England, on the terms of charging, not an additional price, but a commission of 5 per cent. with interest until reimbursed his advance. In entering the transaction, Doria's book-kecper wonld, as a matter of course, make Hendersons debtors to Flori 200l. for the cost of the silk; but he might not so readily find $a$ ereditor for the 10l. commission, or the $7 l$. interest eventually duo on the advance. Tho custom in this primitive era of book-kecping probably was, to introduce the firm of the house into their books, making Hendersons debtors to Doria for the 10l. and 7l.; but as the practice of book-kecping improved, it was found preferable to avoid inserting, on any occasion, the firm of the house, and to substitute nominal acconnts, such as, commission, interest, bills paynble, bills receivable. These, attention and practice renlered in timo familiar to the book-kecper, who learned to open his Journal at the beginning of a year by making tho parties who owed balances to the house debtors, not to the firm by name, but to Stock; and those to whom the house was indebted, creditors by Stock. As the transactions
of the yen moncy was the house, account bill payable; so assumed its impereeptib
What are pared to tha te $\begin{aligned} \text { t } \\ \text { of necur }\end{aligned}$ debtor side the ereditor as a matter through this length, may a feneral nec enlicocs, the ou hand may the accomit references to wise be req dealer could he took stock Ledger balan taking, howev servants, beco of calculation. in trade, whe facturer, doub of his accounts enquiry as to $t$ nution of his ca
This advant without nay gr the books of de nine parts in single entry: f double entry in end of the mo to exhibit the actions.

Nominal Aeco us to notice onl chandise. The side all the en gains obtained the tehtor side ther by bad deb

We have here o madc or responsibi
of the year proceeded, he mado those to whom livery house keeping regular bonks musi have a money was paid debtors, not to the tirm of the house, but to Cash; and those for whose account bills wero nceepted debtors to Bills payablo; so that book-keeping by double eutry assumed its present form gradually and almost imperceptibly.
What aro the advantages of this method compared to that of single cotry? First, it supphies a test of accurncy, inasmuch as, the entrics on the debtor side of the Ledger being equal to those on the ereditor side, their respective totals ought, an a matter of course, to balance. After going through this proof, personal accounts, of whatever leugth, may bo settled with contidence; whilo in a geuernl necount, such as kerseymeres or printed calicoes, the value sold and the vulue remaining ou hand may be ascertnined by merely balancing the account in the Ledger, without the repented references to tho sales book that would otherwise be required. Without double entry, a dealer could hardly estimate his property unless he took stock; but with it an extraction of the Ledger balances fulfils that object, and stocktaking, however proper as a test of the honesty of servants, becomes quito unnecessary ns a meaus of calculation. In short, in regard to any person in trade, whether merchant, dealer, or manufacturer, double entry forms the counceting link of his accounts, and affords a ready solution of any enguiry as to the appropriation, increase, or diluinution of his capital.
This advantage may fortunately bo obtained without any great sacrifice of time or labour. Of tho books of dealers, mauufacturers, and retailers, nine parts in ten may continue to be kept by single entry: for the addition of a few pages of double entry in the form of a summary, at tho ent of the month or guarter, will be sufficient to exhibit the result of a great extent of transactions.

Nominal Aecounts.-Of these our limits permit us to notice only two; 1'rofit and Loss, and Merchandise. The former contains on the creditor side all the entries of commissions carned, and gains obtained on particular adventures; while the debtor side exhibits the losses ineurred, whether by bad debts or by unsuccessful purehases.
profit aud loss nccount, but a mercliandise account is nltogether optional. 'Those who havo such a head in their Ledger are accustomed to make it Dr. to the dealers or fumishers from whom they make purchases, anul to credit it in return by the correspondents or comections to whom the make sales. In mauy houscs, however, there is no such intermediate aceout; the parties to whom the goods are sent beig made Drs. at whe to the furnishers of tho foods, as in tho case of the slipment to Jamaica stated in our preceting pages.
A merchant, before estimating his profits, ourht to charge interest on each head of inyestment. llis clear profit caunot be ascertained without it: and the practice of charging it is a lesson to him to hold no property that does not afford, at least, iuterest on his advanses.
Mercantilo bouks nud accounts must be kept in the moncy of the country in which the partuers reside. A house in Rotterdam composed of English partners necessarily keep their accounts in Dutch money, although their transactions may bo chienty with England. Further, books, it is obvious, can be kept in only one kind of money; and when $n$ increhant in England receives from a distant country accounts which cannot at the time be entered in sterling for want of a fixed exchnuge, these accounts should be noterl in a separate book, until, the exchange being ascertaned, they can be entered in the Journal in sterling.

A book-kecper will do well to avoid nll such puzzling distinctions as 'J. Joluson, my account with him;' and 'J. Johnson, his account proper;' on the plain ground that every account in the Ledger ought to be the gencral account of the person whose name it bears.
Errors exceptcd.-This expression is merely a proviso, that if any mistakes be discovered in tho account in question, they shall be open to correction.
Accounts Current.-An account current gencrally contains $\because l l$ the transactions of the houso with one of its cc. -espondents during a given time, generally 6 or 12 months. The following is an example:-


We have here on the Dr. side all the payments $\mid$ receipts on their account. The interest for the madeorresponsibilities incurred for the correspondents in question, and on the Cr. side the different $\mid$ ments, the postage and petty charges, being then
mided, the account may be closed and the balance carried to next yrar. Copies of acconnts current ought to be sent off as soon as pessible after the day to which they are brought down; and with that view they ought to be written out from the Lediger before the close of the year or half year, particularly as the entries for interest and commission can be made only after they are written oit. The whole ought then to be copied into the aeeonnt earrent book.
llut in some counting-houses the account current book, instead of being copied from the Ledfer and Jourmal, is posted, like the latter, from the bill book, the cash book, the invoice book, and the account of sales book. It is then considered a check on the Jonrmal and Ledprer; and from the comparative ease with which it is posted, may be completed and made use of before the latter are filly bronght up. This is certainly an advantage in houses where, from pressure on the book-keeper, the Jonrmal and Ledger are in arrear, but such uught uever to be the case for any length of time; while as to the former pinint-that of forming a elbeck on the Jourual and ledirer-the fact is, that these books, from the mode in which they are kept. are much more likely to be correct than the account current book.
Printed Workr on Book-keeping,-To the puhlications of old date by teachers have succeeded, in the present age, several treatises on bookkeeping by accountants. Some of the are of very limited use, being directed more to recommevid a favourite practice of the author in some particular branch of book-keeping than to convey a comprehensive view of the system. The only works on the subject entitled to that character aro two: one, $A$ Complete System of Book-keeping, London 1799, by the late Benjamin I3ooth; the other, The Science of Book-keeping exemplified, by Mr. Jones, an accountant in London, printed iif 1831. Booth was a man of ability, who had exprerience both as a merchant and a bookkeeper, having passed one part of his life in London, the other in New York. The reader of lis work tiuds a great deal of info:anation in short compass, without being perplexed either by superthoous detail or by fnnciful theory. "he form of Mr. Booth's Journal and Ledger is similar to what wo have given in the preceding pages, and to the practice of our merchants for more than a ceatury: it was by much the best work an book-keping, until Mr. Jones devised several improvements calculated to lessen the risk of error in both Jourmal and Ledger. One of these improvements is the use of two columns for tigures in each page of the Journal, one for the Drs., the other for the Crs, : by inserting each sum twice, the book-keeper obtains the means of proving the Journal additions page by page. The posting from the Journal to the Ledger is also simplified and rendered less subject to error hy the use of these columns. In regard to the great task of balancing the Ledger, Mr. Jones's plan is to do it quarter by 'puarter, making use of a reparate book, called a balanco book, in whieh are inserted the totals on each side of the Ledrer incounts at the end of 3 months. l3y these means the agreement of the genernl baiance is made a matter of certainty after completing the additions. Other parts of Mr. Jones's look, viz. lis formula for books on the singrle entry plan, and for the accounts of bankers, contain suggestions of evident utility. Ilis volume consists of two parts: the printed part ( 120 pl. ) eontaining the treatise, with directions; and the lithographed part ( 140 pp .) giving copions examples in two sets of books, one kept by single, the other Sy
double entry, If, on a reimpression, the author were to divile the work, and to sell the single entry part separately from the double entry, the price of each might bo moderate, and a great service wonld he rendered to the mercantile public.

IBOOKS (Ger, bltelier; Duteh, boeken; Dan. büger; Swed, böcker; Fr. livres; lital. libri; Span. libros; Port. livros; linss, knigl; I'ul. ksiayki, ksiegi ; Lat. libri). Written or yrinted treatises on any branch of science, art, or literature, composen with the view of instructing, amusing, or persuadiug the reader.

Copyright is the right which the authors of hooks or treatises claim to tho exclusive privilege of printing, publishing, and selling them.

Books ure sometimes blank, as account books; but these enjoy no peculiar privileges, and do not come within the seope of our enquiries.
lhooks are livided into clusses, according to tho mode in whidelt the slicets of the paper on which they are printed or written are folded: viz. folio, when the sheet is folded into two leaves; quarto, when folded into four; on tavo, when folded into ciyht; duodecimo, when the sheet is folded into turelre, \&c. In making these classificatiosas, no attention is paid to the size of the sheet.

1. Proyress and present Ntate of the Law as to the Copyright of Books.-It has been doubted whether, in antiquity, an author had any exelusive right to a work, or whet her, having onee published it, le could restrain others from copying it, aml selling eopies. We incline to think that he could. The publice sale of copies of works is utten referred to in the classics; and in such a way as warrants the inference that they were productive to the author, which conld not have been the case had every one been permitted to copy them at pleasure. Terence, in one of his plays (Pral. in Eunuch. 1. 20), says, 'Fabulam, quatm mue acturi sumus, postquam aediles emerunt:' but why should the magistrates have bought it, had it been free to every one to copy it? Martial, in one of his epigrams, says-

Sunt quildam, qui me dicund non esse pottam:
Sed quil me rindit, biblopola, pubat.
Lab. xiv. Ep. 191.
This evidently conveys the idea that he hat assigned the right to sell his book to a single persou who protited by it. Pas.ages to the same effect may be found in llorace (De Arte Poeticí, line 315), Juveanl (Sat. 7, line 83) \&e.

It wonld have been singular, indeed, had it been otherwise. Of all the species of property a man can possess, the fruits of his mental labours seem to be most peculiarly his own. And though it may, we think, be shown that many serious inconveniences would result from giving the same absolute and interminable property over ideas that is given over material objects, these ineonveniences could hardly have been perceived in antiguity.
It will also be observed, that in antiquity a copyright was of much less value than in modern times. llooks could then only be multiplied by copying them with the pen ; and if any one chose privately to copy a work, or to buy it of another, it must havo been very diffienlt to hinder him: but when printing had been introduced, the greater cheapness of books not only extended the demand for them in far greater proportion, and consequently rendered copyrights more valuable, but it also alforded the means of preventing their piracy: I'rinting is not a device by which a few copies of a book can he olitained at a cheap rate. It is productive of cheapuess only when it is employed upon a large scale, or when a considerable inpression is to be thrown ofl. And hence, after its
invention, $p$
secret: the market ; the and the offen punished.
lior a consi printing, no q nespeet to cop? early adoptloi ments soon pe powerful engis firll! ; and the of its energies all works not Suring the en was effectuall. (1; \& $1 / 4 \mathrm{Ch}$. promelamations printing of any as well as wit censing Act tio became really summary metlt itavasion of thei the Licensing A their rights at $c$ bookseller could at common law, clamage, propert lated; it being the sale of one Uuder these ei made to l'arlinm
property, by property, by gra method of prever In consequence, lassed, securing $t$ exclusive right of ectuint, from the tingent 14 years, the expiration of books protected b of the authors of the pirated copies same. Sueh br Stationers' Hall of this Aet

It had been cus to this period, for of Oxfort and $C$ most books entere Act of Anne mad of all works entit delivered to the fo Libury, now tran the Libraries of Libraries of the library of Sion $C$ Faculty of Advoc copies.
The Act of Anne as to copyright. did not affeet thei they or their assig common luw agrains after the period expired. The pub sisted these preten ras either no righ the productions of such right to have the statute of Anng of opinion in the Lord Mansfield, M most eminent'Ju claims of the auth decided, upon an a
invention, piracy conld harilly be committed in seeret: the pirated book huill to be brought to market; the frum was thus sure to be defected. and the offunding party might be prosecuted and pumished.

For a considerable time after the invention oid printing, no questions seem to have oceurred with respect to copyrights. I'his was ocensioned hy the enrly adoption of the licensing system. Ciovernments soon perceived the vast importance of the powerful engine that had been brought into the then; and they endenvoured to arnil themselves of its energies by interdicting the publication of all works not previously licensel by authority. lhuring the continuation of this system, piracy was effectually prevented. The licensing det (13: \& 14 Ch. II, e, 2) and the previous Acts and promelamations to the same effect, prohibited the printing of any book without consent of the owner, as well as withont a license. In 169.4 the hicensing Act timally expired, and the press then became rally frec. listead, however, of the summary methods for obtaining redress for any iavasion of their property enjoyed by them under the Lieensing Aets, authors were now left to defend their rights at common law; and as monthor or booksetler could procure any redress for a piracy at common law, exeent in so far as he could prove dunage, property in books was virtually anniliilated; it being in most cases impossible to prove the sale of one priated copy out of a hundred. Under these cirenmstances, applications were made to Parliament for an Act to protect literary property, by granting seme speedy and eflectual method of preventing the sole of spurious copies. In conseguence, tho statute 8 Ainse e. 19 was passed, securing to authors aud their assignees the cxclusive right of printing their books for 14 years certain, from the day of publication, with a contingent 14 years, provided the author were alive at the expiration of the first term. J'ersons printing books protected by this Aet, without the comsent of the authors or their assignces, were to borleit the pirated eozies, and lil. for every sheet of the same. Sueh books ns were mot entered at stationers' IIall were excluded from the benefit of this Aet.
It had been enstomary, for seore time previous to this period, for the libraries of the Universities of Oxford and Cambridge, de. to get a copy of most beoks entered at Stationers' Ilall; and the Act of Anne made it imperative that single copies of all works entitled to its protection should be itelivered to the following libraries: viz. the Royal Lilvary, now transferred to the British Museum; the Libraries of Oxford and Cambridge; the Libraries of the foar Scoteh Universities: the library of Sion College, London, and that of the Faculty of Advocates in Edinburgh; in all, nine copies.

The Act of Anne did not put to rest the questions as to eopyright. The anthors contended that it did not affect their natural ownership; and that they or their assigns were entitled to proceed at common law against those who pirated their works after the period mentioned in the statute had expired. The publishers of sparious editions resisted these pretensions, and contended that there was either no right of property at common law in the productions of the mind; or that, supposing such right to have existed, it was superseded by the statute of Anne. Thero was some difference of opinion in the coarts as to these points; but Lori Manslield, Mr. Justice Blackstone, and the most eminent Juiges, were favourable to the claims of the authors. However, it was finally decided, upon an appeal to the Iouse of Lords in

1734, that an action could not be maintained for pirating a copyright after the term specitlod in the statute. (Gicilsobi On the Iaw of Pateris und Copyrights, 11. 205.)

The Aet of Queen Anme referred only to (ireat Ifritain; but in 1801 its provislons were extended to letand; the jeualty, exchusive of forfeiture, on printing or importing looks withont consent of the proprictor, was also increased from lal. to : hl . a slicet. In retura for this concession, two additional copies of all works enterel at Stationers Hall wore to be deliverd! one to 'Trinity tollere, Dublin, and one to the King's Inns, Bublin.
liveryone must bo sutistied that 14 years' exchasive possession is fir too short a gerion to indernify the anthor of a work, the composition of which hats required any considerable amonnt of lubur and resoarch; though $2 \times$ years is perhaps, all things considered, not a very improper period. But the grond defert of the statute of Ame consisted in its making the right to the exclusive possession for $2 x$ years contingent on the fact of a persen having lived a day more or leas than $1-4$ years after the publication of his work. This was makiag the enjoyment of na important rifht dependent on a mere aecidental cireumstanco over which man has no control. Coulif anything be more oppressive and unjust than to hiader an nuthor from bequeathing that Iroperty to his widow and chikdren, that wonld have belonged to himself had ho been alive? Nothing, inded, as it appears to as, cam be more obvions than the justice of ovtending all copyrights to the same period, whether the uuthors be dead or not.
lut though the extreme hardship, not to sayinjustice, of the Ace of Queen Ame lad been repeatedly pointed ont, its provisions were continued down to 1814, when the Copryight Aet, 5.1 Geo. III. c. 156 , was passed. This Aet exteuded the duration of all copyrights, whether the authors were dead or ative, to 28 years certain: with the further provision, that if the author should be alive at the end of that perion, he shond enjoy the copyright during the residue of his life.

ISut thongh the Aet of 1814 conferred a most important advantage on authors and publishers. it did not satisfy their pretensions, and repeated attempts were subsequently made to have copyrights declared perpetual, or, at all events, to have their term eonsiderably extended. In consequenee, after a great deal of disenssion, the existing Copyright Act, 5 \& 6 Vict. c. do, was passed in 18.12. This statute extenels the duration of all eopyrights, whether the rathors be dead or ative, to fiorty-fuo years certain : providing, further, that if the anthor be alive at the expiration of this perion of 12 years from the publication of his work, he shall enjoy the eopyright to his death, and that his heirs or assigns shall enjoy it for 7 years ufter that event. We sabjoin an abstract of this statute.

Clanse 1 repeals former Acts, viz. 8 Anue c. 19, 41 Geo. III. c. 107 , and 54 Geo. III. e. 156.

Clause 2 refers to the interpretation of this Aet. Endurance of Term of Copyright in any Book hereafter to be prblished,-The copyright in every book which shall hereafter be published in the lifetime of its anthor shall endare lior the natural life of such author, and for the further term of 7 years from the time of his death, and shall be the property of such author and his assigus: provided always, that if the said tern of 7 years shall expire before the end of 42 years from the first publication of such book, the copyright shall in that case endare for sach period of 42 years; and that the copyright in every book which shall bo published a $a^{\text {c.er the death of its author shall endure }}$ N

## B00K's

for the tern of 42 years from the first publication thereof, and shatl be the property of the proprietor of the author's manuseript irom whleh such book shallie tirst poblished, and his assignees. (Sec, 3,)

In Chases of subsistong Coppright the Term to be cafruditl.- I'he copyright which at the time of passimer this Aet shall subsiat in any publishod bosk (exerent as hereinafter mentionel) shall be cxtembed and endire for the full t'rm provided ly this det in eases of bows thereafter published, nind shall be the property of the person who at the time of passug this A't whall be the proprictor of sumb copyright: provided, that in all cases in which such coprright whall belong in whote or in part to a publisher or other person who shall have aeduired it for othor consideration than that of matural love and athection, such copyright shall not be extended by this. let, but shall endure for the term which shall subsist therein at the tine of passing this Aet, and no longer, unless the author of such book, if he be living, or the personal representative of sueh author, if be be dead, aus the proprictor of such copyright shall, before the expiration of such term, consent and agree to tecept the benefits of this Aet in respect of such book, in the form given in tho sehelule annexed to the Act to be entered in the book of registry thereinafter direeted to be kept, in which ease such copyright shall endure for the full term of the books to be published after the passing of this Act, and shall be the property of such person or jersons as in such minute shall be expressed. (Nor. l.)

Clanse 5 gives the Julicial Committee of the Irivy Conncil power to license the repablication of such books an the proprictor refuses to republish after death of the author.

Clanses ti and $\bar{\sigma}$ specify the terms within which copies of books publisheil after the passiner of this Aet, aid of subsequent editions, shall be delivered at the lbitish Museum.
Clanse 8 directs that (besiden the copy for the British Musemm) a eopy of every book be delivered within a month riter demand to the offeer of the stationers' Company for the following libraries: viz, the Bolleian at Oxford, the I'ublic Library at Cambridse, the Fa 'li'y of Alvoeates at lidinburgh, and that of Trin: : 'ollege, Dublin.
Clauses 9 and 10 authorise pubtishers to aleliver copies to the libraries, insteal of at the Stationers' Company, and impose ponalties for default in delivering copies for the use of the said libraries,

Book of Registry to be kept at Statiomers' Hall.A book of registry, wherein may le registered the proprictorship in tho copyright of beoks, and assigmoents thereof, and in clramatic and mmsical pieces, whether in mannscript or otherwise, and licenses allecting such eoppright shall be kept at the hall of the Stationers Compans, and shall be open to the inspection of any person, on payment of one shilling for every entry searelad for or inspored in the said book; and the ollicer in charge of such book shall, whenever required, give in copy of such entry in such book, certified unuler his hamd, and impressed with the stamp provided by waill company for that purpose, to any person reduiring the same, on payment of the sum of tive shillings; and such copies so certitied and impressed shall be received in evidence in all courts antl in all summary proceclings, and shall be primat facie proof of the proprictorship or assignment of copyright or lieense as therein expressed, and in the case of dramatic or musical pieces thall be primat facie preof of the right of repreventation or performance. (Sec. 11.)
Clanse 12 enacts that making a fnase entry in the book of registry shall be a misdemeanour.

Clanse 13 enacts that entries of copyright may he made in the book of refistry.

Clanse 14 enacts that persons aggrieved by any entry in the book of registry may apply to a court of law in term, or juilge in vacation, who may order such cutry to be varled or expunged.
Remesty, for the Pirncy of Bowha by Action on the Cisse.-If any person shall, in any part of the Iritish dominions, after the passing of this det, print or canse to be printed, for anle or expurtation, myy book in which there shall the a subsisting eopyright, without the consent in writing of the proprietor, or shall import for sale or hire any such book imlawfilly printed from parts beyond the sen, or, knowing such book to have been no monlavfully printed or imported, shall acll, publish, or expose to sale or hire, or shall have in his possession, for sale or hire, nuy such book witlout consent as aforesaid, such offender shall be liable to a special action on the case at the suit of the proprictor of such eopyright, to be brought in any court of recorl in that part of the Iritish dominions in which the ollineeshall be committed : provided always, that in Scotland such offencler shall be linble to an action in the Court of Session in Srotlaad, to be brought and prosecited in the same manner as any other action of tamages to the like amount may be brought and prosecuted there. (Sec. 15.)

Chanse 10 enacts that in actions for piracy the Ilefendant shall give notice of the objections to the plaintill's title on which he means to rely.

Clause 17 enacts that no person, except the proprictor de., shall import into the lritish dominions, for sale or hire, any book first composed de. within the United Kingdom, wherein there shall be copyright, and reprinted elsewhere, under penalty of forfeiture thereof, and also of 10l. aml double the value. Hooks may be seized ly officers of customs or excise.

Clause 18 relates to and detines the eopyright in encyclopardias, periodicals, and works published in a scries, reviews, or magazines.

Clanse 1! enacts that proprictors of eneyclopaedias, periodicals, and works published in series, may enter at once at Stationers' llall, and thereon have the benefit of the registration of the whole.
Clanse e9) enacts that the provisions of $: \mathbb{\&} \cdot 1$ Wm. IV. c. 15 shall be extented to musical compositions, and the term of copyright, as provided by this Act, applied to the liberty of representing: dramatic pieces and musical compositions.

Clatuse 23 enacts that piratel books shall become the property of the proprictor of the copyright, and may be recovered by action.
thause 25 makes copyright personal properte.
It was further enacted by the statute $\bar{\sigma}$ di $i$ Vict. c. 17 that the importation of all books of which there is an existing copyright, into the United Kingdom, shonld be absolutely prohilited from April 1, 1843.

The rreat practical difficully in interpreting the Copyrifht Aets is in distingnishing between an original work and a copy made, animo furandi, from one alreaty in existence. 'Ihe following is a summary of Mr. tiedson's remarks on this subject:-
"The identity of a literary work consists entirely in the sentiments and language. The same conceptions, clothed in the sume words, nust necessarily be the same composition; and whatever method is taken of exlibiting that composition to the car or the eye, by recital, or by writing, or by printing, in any mmber of copies, or at any period of time, the property of another person has been riolated; for the new book is still the identical work of the real author.
'Thns, nentiment piracy.
a few pag not lew, althongh ferent, ita 'Althont
that a vari in substanc which is a
piracy; ye nuthor atter an abridgm are servilely ' But if circumstane anthor is fon sulficient to adopt part make lise ol of science, having done matter so ta without what
'In jurlyin and cundij, o been swayed taken, and th course must b ' If the wo copy, then it to pirate; for the book havi apparent, and piracy has und
${ }^{4}$ Dint if onl quoted, then it was dono anir depriving the his work to th then the mode enquiry ; for piracy, that par that of anothe No much as wi for the jury) tl and that the $n$ been colourably
'If a work be nature as to affe anthor cannot in a court of equ injunction to pr property. Ever tendency, the $L$ (Godson, p. 212.
11. Experlien reasonable Tern copyrights shoul this clone, men devote themsel present to the great labour; in works, were it provision for a whether these Most books or m booksellers, or that there will demand for them copyrights are s little moro wou they made perpe rent or profit aris propert $y$, with re risk, is sold, if th
'Thus, therefore, a transcript of nenrly all the eentiments and langunge of a book is a glaring piracy. To copy part of a book, either by taking a few pages rerbatim, when the seutiments are not. sew, or by imitation of the principal ideas, nlthough the treatises in other respects are different, it also considered to be iltegal.
'Although it was held hy lillenborough C.,t. that a variance in form and manner is a varinuce in substance, and that muy material alteration which is a melioration cannot be considered as a pirney; yet a piracy is committed, whether the author intempt an original work, or calt his book an mbridgment, if the principal parts of a book are servilely copied or unfnirly varied.
' Jhit if the main design be not copied, the circumstance that part of the composition of one author is found in another is not of itself piracy sullicient to support un action. A man may fairly adopt part of the work of another; he may so make use of another's labours for the promotion of science, and the benctlt of the public: but laving done so, the question witl be, Was the matter so taken used fairly with that view, and without what may be termed the animus furandl?

- In judging of a quotation, whether it is fuir and candi.l, or whether the person who quotes has been swayed by the animus furandi, the quantity taken, and the manner in which it is adopted, of course must be considered.
' If the work complained of be in substatce a copy, then it is not necessnry to show the intention to pirnte; for the greater part of the matter of the book having been purloined, the intention is apparent, and other prouf is supertluous. A piracy has undoubtedly been committel.
' [sit if only a small portion of the work is quoted, then it becomes necessury to show that it was done animo furandi, with the intention of depriving the author of his just reward, by giving his work to the public in a cheaper form. And then the mode of doing it becomes a subjeet of enquiry; for it is not sufficient to constitute a piracy, that part of one anthor's book is found in that of another, unless it be nearly the whole, or so much as will show (being a question of thet for the jury) that it was done with a bad intent, and that the matter which accompanies it has been colourably introduced.' (1'p. 215-217.)
'If a work be of such a libellous or mischicvous nature as to affect the public morals, and that the author cansot maintain an action at law upon it, n conrt of equity will not interpose with an injunction to protect that which cannot be called property. Even if there bo a doubt as to its evil tendency, the Lord Chancellor will not interfere.' (Godson, p. 21\%.)

11. Experliency of limiting Copyrights to a reasonable Term.-It is argued by many that copyrights should be made perpetual; that, were this done, men of talent and learning would devote themselves much more readily than at present to the composition of works requiring great labour; inasmuch as the copyright of such works, were it perpetual, would be an adequate provision for a family. But we doubt minch whether these anticipations would be realised. Most books or manuscripts are purchased by the booksellers, or publisbed upon the presumption that there will immediately be a considerable demand for them; and we apprehend that when copyrights are secured for 42 years certain, very little moro would be given for them were they made perpetual. When an annuity, or the rent or protit arising out of any tixed and tangible property, with respect to which there can be no risk, is sold, if the number of years for which it is
to continue be considerable, the price which it is worth, and which it fetches, dues not atimer materially from what it would bring were it perpetunl. Itut the eopsright of an unpmblished work is, of nll descriptions of property in which to specilnte, the most hazndous, and the chanecs of reaplag contingent alvantares from it, at the distance of 12 yenrs, would bo worth very litllo inderd.
Those who write books, nnd those who publish them, calculate on their obtaining a reaty and extensive sale, and on thelr being indeminitial in a few years. Very few nuthors, nud still fewer booksellers, are disposed to look forwarit to so distant $n$ period even as 28 years for re muneration, They are, with very few exerptions, sauguine enough to suppose that a unch shorter term will ennble them to reap a full harvest of fame umi protlt from the putblication; and wo doubt murh whether there be one easo in it lumidred in which an nuthor would obtnin a Inrger sum for a perpetind eopyrigltt than for one that is to continue for the period stipulated in the late Act.

But while the making of copyrights perpetual wonhl not, ns it appears to us, be of nuy materind alvantage to the aithors, thero are good grounds for thinking that it-wonld be dismerantageons to the public. Suppose an individuat computes a table of logurithms to five or seven places; if his computations be correct, no inprovement can be made upon them to the extent ut least to which they go. But is he or his assigns to bo entitled, in all time to come, to prevent other individunls from publishing similar tables, on the ground of an invasion of private property? Such a pretension could not be adnitted withont leading to the most mischievous consequences; and yet there is no real ground (though the courts have attempted to make one) on which the claim in question and others of the same description could be resisted, were copyrights made perpetual, and placed in nll respects on the same footing as other property. We, therefore, are clearly of opinion that good policy sugrests the limitation of the exclusive right of printing and pmblishing liternry works to some such rensonablo period as may secure to authors the greater part of the profit to bederived from their works; and that this period being expired, they should become public property.
Perhaps the period of 28 years has heen ndyantageously extended to 42 ; but we are sntistied that more injury than bencit would result to literature by extending it beyond this term. In France, copyrights continue for 20 years after the death of the author. In most of the German states they aro perpetual : this, however, until very recently, hardly indemnitied the anthors for the case with which spurions copies might be obtnined from other states. But by a resolution of the late German Diet, a copyright secured in one state is good in nll.
III. International Copyrights,- The establishment of an international copyright system, that should enable the authors of one comatry to secure the copyright of their works in other counthies, has, of late, excited a good deal of attention. We doubt, however, whether the advantages that would result from such a system, were it established, would be so great as many seem to suppose. No donbt it wond be mivantageous for the authors of popular works in Great Britain and the United States, for example, to be able to secure a copyright in both conntries; but the real question is, would the interests of literature and of the public be promoted by such arrangement? Now we incline to think thit this question must be answered in
the negative. The single market of either Great Britain or the United States is quite large enough to secure a sale for really good works sufficient to afford ample eacouragenent to their authors; and such being the case, it is difficult to see on what gromnd the repablication at a cheap rate in the one conntry of books originally published in the other should be prevented. Indeed, such prevention wonld appear, by obstructing the circulation of knowledge and of amusement, to be injurious to both. It has, it is true, been alleged, that ii we had $n$ coprright system in common with America, English and American books might be published at a less price, inasmuch as the extension of the market wonld secure them a larger sale. But though this result might, we doubt much whether it really uould, happen. We apprehend that then, as now, nuthors and publishers would impose such prices on their works as they supposed would renlise the largest amount of profit, and that if they thought $a$ ligh mrice more likely to do this than a low one, it would be preferred. The extensive reprinting of che.pp editions of Frencin works that has for a lengthened period been earried on at Bruseels las certainly been disadvantageous to the literati of France. Still, however, the markee of that kingdom seems to be sufficiently extensive to insure the unlimited production of works displaying the greatest trlent. research, and industry; and it is plain that if the production of valuable works be not checked in France by their being reprinted abroad, the injury done to irmeh men of letters redounds to the advantage of every foreigner who has occasion to look into or consult their works. Every effort shonllt be made to prevent copyrights being invaded by pirates at home, and by the clandestine importation of books printed nbroad; but farther than this we shonld not go. We are well convinced that it is for the advantage of the publie and of literature that nations should have full jiberty to republish each other's works in such forms and at such times and prices as they may think fit.

The real evil with which our literature has to contend originntes in the barefaced piracy carried on at home, and not in the proceedings of foreigners. 'I'he latter may, perlaps, interfere little with the sale of native works, by supplying the public with forcign instead of home editions; but the proceedings of the indigenons pirates are ten times more mischicvous. Thes consist tor the most part of knaves and drudges, without talent or learning of any sort, save only that of transmuting and adulterating the labours of others, and disguising their own rascality. Such persons fasten hike leeches on any new work of talent, research, and imdustry; they forthwith announce some system, compilation, or abridginent of the same sort, every idea and statement in which is stolen; and then publish their spurious rubbish at $n$ low price, advertise it as being decidedly the best work on the sulject, and tind numbers of newspaper writers realy to puff off and eulogise their disinterested and meritorious labours! It is dificult, we admit, to deal with such a nuisance, nud it camot, perhaps, be abated by legislation. But while we regret the fact, there cunnot, we believe, be a quastion that courts and juries luve for a lengthened period inclined too much to a lenient internetation of the law as to piracy; and that literary plunderers, whose robberies are but little disguised, too often escape with impunity.
IV. Taxes on Literature. - 'lhese taxes, if carried beyond their proper limits, become impolitic, oppressive, nad unjust ; impolitic, because they tend to obstiact the growth aud diffiusion of
knowledge; oppressive, because they sometimes swallow up the entire reward of the labours of the most deserving persons; and unjust, because they are not proportioned to the value of the article on which they are laid, and have not unfrequently to be paid out of capital.

Formerly 11 copies of all new works had to be given to dlifferent public libraries. Happily, however, this tax, which not unfrequently prevented the publication of expensive works that had only a limited demand, has been reduced to 5 copies. We incline to think that it is expedient, to securo the preservation of books and to facilitate their consultation, tbat copies of all works should be deposited in the British Museum, and in libraries in Edinburgh and Dublin. Perhaps it would be right that the public, for whose advantage they are preserved, should pay for such copies; we should not, however, object to the authors doing this, but they should not be required to ao more. 'ro eall upon them to provide copies for the libraries of rich foundations, like the Universities of Oxforl and Cambridge, is a proceeding at variance with every fair principle.

The law of other countries is in this respect preferable to ours. In Anerica, Prussin, Saxolny, and Javaria, only one copy of any work is required from the nuthor; in France and Austria, tuo copies are required; and in the Netherlands, three.
V. Book Trade of Great Britain.-London is the great centre of the British book trade; the number of new publientions that issue from its presses being far \&reater than all that nppear in the rest of the empire. Within the course of the last 60 vears, however, many very important works hnve been published in lidinburgh; but the latter, as well as those that nppear in Oxford, Cambridge, Glasgow \&c., are principally disposed of by the London trade. The bookselters of Eilinburgh, and all :he provincial towns, have agents in London, to whom they consign a certain number of copies of every work they publish; and to whom, also, they address their orders for copies of such new or old works as they have occasion for, The London booksellers, who act as agents for those in the commtry, are in the habit of regularly despatching parcels to their correspondents on the last day of each montl, with the magazines and other monthly publications; but if any new work of interest nppears in the interim, or orders be received from the country that cannot be conveniently deferred to the end of the month, a parcel is immediately forwarled by rail. The booksellers of Edinburgh and Dublin act as ayents for those of London, and supply the Scoteh and Irish comntry trade with the metropolitinn publications.
'The publishers sell the books which they publish to the retailers at certain prices. 1hat, instead of allowing the latter to dispose of these books at rices varying aceording to the conditions and cireumstances under which they might be sold, they endeavoured to compel them to be sold at or near uniform prices fixed by themselves. Thus, if the publishers sold a book to the trude at 9 s., they fixed the price at which the latter should sell it to the public at 12 s ., or thereby; and they proclaimed that if any retail dealer sold it for less than 10 per cent. under this price, the publishers, who had combined for the purpose, would not supply him with another book! But we are glad to have to state that this audacious attempt to keep up the prices of books at an artificial elevation has completely broken down; and retail dealers who purchase books from publishers may now sell them at any price they please, without
any risk
credit give varies from being allov
5 percent.
From en
care and
ending with
1,101 volun clusive of $p$ wero annua have farthe of the forme volume. 11 pression of e will be seen annually pro cation price, of the new e making tog however, tha the entire imp aetnally sell far from the books nnnual
Since this da Britain has amount annu third more thi
It would be were the librai to keep and at according to tl of all the ne periodical pu hands, specifyi eaelı class, S with the grea thentic inform

The old bool is very exten The price of their condition cumstance, it i equall" good en questly to be $l$ what they can
VI. Regulatic Works-To prg property of indi duty more than importation subs that the duties imported, or tha try in a fair w identical books kingdom, and for his private Order, October 1818.)

Individuals ed down to April 1 copies of Englisi had not expired facilities for sm indulgence, it ha portation of all
comintries, of wh right, is absolute s. 91.$)$

The dinty on $f$ 7,1181. 19s. 3 al . in 1853, and has

VIl. Book Tra the French press since the commen
any risk of having their supplies cut off. The credit given by the publishers to the retaiters varies from seven to twelve months; a discount being allowed for prompt payment at the rate of 5 per cent. per annum.

From enquiries we have hat made with much care and labour, founded on Low's British Catalogue, we tind that at an average of the 4 ycars ending with $1852,3,279$ volumes of new works, and 1,101 volumes of new editions and reprints (exclasive of pumphlets and periodical publications), were annually published in Great Britain ; and we have farther ascertained that tho publication price of the former was 7 s .7 ll ., and of the latter $6 \mathrm{~s}, 9 \mathrm{~d}$, a volnme. Hence, if we suppose the averago impression of each work to have been 750 eopies, it will be seen that the total value of the new works annually produced, if they were sold at their publication price, would be 932,4651 . 12s, fd., and that of the new editions and reprints $278,960 l, 12 \mathrm{~s}$. $6 d$., making together $1,211,1561$. $5 s$. We believe, however, that if we estimate the price at which the entire impressions of both descriptions of works actually sell at $3 \mathrm{~s}, 6 \mathrm{~d}$. a volume, we shall not be far from the mark; and if so, the real value of the books annually produced will be $574,875 l$. a year. Since this date the proluction of books in Great Britain has been rapilly increasing, and the amount annually published cannot be less than a thirl more than the quantity of 1852.

It would be, in many points of view, desirable, were the librarians of the British Musenm directed to keep and annually publish an account, classitied according to the subject and the size of the works, of all the new llitish books, pamphlets, and periodical publications that come into their hands, specifying the average publication price of each elass. Such a return might be made up with the greatest facility, and would afford authentic information not otherwise attainable.

The old book trade carried on in Great Britain is very extensive, and employs many dealers. The price of old books depends very muelt on their condition; but, independent'y of this circumstance, it is very fluctuating and capricious, equall- good copies of the same works being freque:tly to be had in some shops for the half of what they ean be bought for in others.
VI. Regulations as to Inportation of Foreign Works.-To prevent foreign books and maps, the property of individuals, from being charged with duty more than once, the proprieter shall, on each importation subsequent to the original one, declare that the duties were paid when they were tirst imported, or that he purchased them in this comntry in a fair way of trade; that they are the identical books or maps he exported from this kingdom, and that they are new brought back for his private use, and not for sale. (Treasury Order, October 3, and Customs Order, October 8, 1818.)

Individuals coming from foreign parts might, down to April 1, 1813, import as baggage single copies of English works of which the eopyright had not expired; but, in consequence of the facilities for smuggling that grew out of this indulgence, it has been withdrawn, and the importation of all English works printed in foreign countries, of which there is an existing copyright, is absolutely prohibited. ( 5 \& 6 Vict. c. 47 8. 21. )

The duty on foreign works produced, in 1852, 7,118l. 19s. 3d. The duty was, however, reduced in 1853, and has sine been abolished. [Tanff.] VII. Book Trade af France.-'Ihe activity of the lirench press has been very greatly inereased since the commencement of the present century.

Count Dara, in his Notions Statistiques sur le Librairie, published in 18:27, estimated the number of priated sheets, exclusive of newspapers, prodited by the French press in 1816 , at 66,852,883; and it appears (art. 'Librairic,' Dict. du Commerce) that in 1836 the number of printed sheets (ex. newspapers) had increased to $118,857,000$. Between the years 1812 and 1859 inclusive, the number of works published in France, exclusive of engravings, musical compositions, and newspapers, amounted to 1221,950 . The quality of many of the werks that have recently issued from the French press is also very superior; and it may be doubted whether such werks as the Biographie Universelle, the new and enlarged edition of the Art de verifier les Dutes, in 42 vols. octavo, and the 2 octavo editions of Bayle's Dictionary, could have been published in any other country. The greater number of new French works of merit, or which it is supposed will command a considerable sale, are immediately reprinted in the Netherlands or Switzerland, but principally in the former. 'To such an extent is this practice carried, that a single bookseller in Brussels luts reprinted as many as 150,000 volnmes of new French works in the course of a single year!

All the French booksellers are brevetces, that is, licensed, and sworn to abide by certain preseribed rules. This regulation is complained of by the publishers, as tending to lessen the number of retail bookselers in the country, and to prevent that competition which is so advantageous.

The discount allowed by the French publishers to the retail dealers is not regulated, as in lingland, by the size of the volumes, but by the suljects. The discount on the sale of books of history, eriticism, and general literature, is nsually nbout 25 per cent.; in the ease of mathematical and strictly scientitie works, it is seldom more than 10 or 15 per cent. ; while npen romances, tales, \&c. it is often as high as 50 or 60 per cent.
VIII. German Book Trade.-This trade is very much facilitated by the book fairs at Lejpsic; the liaster fair being frequented by all the booksellers of Germany, and by those of some of the neighbouriag countries, as of France, Switzerland, Denmark, Livonia de., in order to settle their mutual accounts, and to form new counections. The German publisher sends his publications to the keeper of assortments à condilion, that is, on commission, for a certain time, after which the latter pays for what have been sold, and may return the remainder. This is not so favourable for the publisher as the custom in the French and English book trades, where the keepers of assortments take the quantity they want at a tixed rate. In the German book trade it is the eustom for almost every house, either in the country or abroad, which publishes or sells German books, to have its agent at Leipsic, who receives and distributes its publications. A, of Riga, who publishes a book calculated for the German trade, has his agent B in Leipsic, to whom he sends, free of expense, a number of copies of his publication, that he may distribute the new work to all the booksellers with whom he is conneeted, from Vienna to Hamburg, and from Strasburg ta Königsberg, eath of whom has his agent ia Leipsic. Instructions are also fiven as to the number of copies to be sent to each. 13 delivers those copies in Leipsic to the agents, who send them every week, or more or less frequently, by the post or by carriers, at the expense of the receiver. C, of Strasburg, who tinds that he has not received copies enough, writes for an additional number of copies to his agent 1 ) of Leipsic: $\mathbf{D}$ gives this order to 13 , who delivers
the number wantel to D to be transmitted to C . This arrangement is advantageous to the German book trade as well as to Leipsic. The dealer receives everything from Leipsic; and as a great number of packets, with books from all parts of Germany, arrive there for him every week, he can have them packed together and sent at once. The carriage is thus much less than if the packets were sent to him separately from the different places, and the whole business is simpitied. The booksellens are also enabled to agree with ease on a certain discount per cent. No such intimate connection of the booksellors has yet been forned in any other eountry. The (ierman booksellers rately unite, as is the practice in liagland, in undertaking the publication of extensive works.' (German Couversations-Lexicon, American edition.)

The literary deluge which commenced in Germany in 1814 still continues to increase. For the 2,000 works which were then about the annual complement. we have now perhaps 10 times as many. Masazines and Encyclopaedias have increased in the same proportion, and the public has shown as great a desire to read as the learned have to write. I'rivate libraries are diminishing, while the publie ones are daily macreasing.

BOOTS AND SHOES. The external covering for the legs and feet, too well known to require any description. (For an account of the value of the boots and shoes annually produced in Great Britain, see lifatuer.)
IBOLAA or 'TINCAL (Arab. burak; Pers. tunkar). $\lambda$ compound of soda and 1oracic acid. It exists native, and is also prepared artiticially. It is found in liurope, in l'eru, and in the republis of Eeuador, in a mineral which is called tinkalzite, and which appears to be a mixed borate of soda and lime. But the principal source of native borax is the lakes of 'Thibet and l'ersia, from which it is obtained by spontaneous evaporation. Tho impure botax called tincal crystallises on the borders of the lakes. It is always covered with an earthy coating, greasy to the touch. This apparance is derived from a fatty matter. ' There is also a tincal exported from China, and it is reported that borax is found in vast quantities in Califurnia.
'1'he purification of borax was originally a secret possessed by the buteh and Venetians only, but is now, owing to the development of chemical science, practised in most manafacturing countries. The chief peenliarity in the retining of borax consists in separating the fatty matter by means of lime, which forms an insoluble soap, and by getting rid of saline impurities by caretul erystalisation.

Artijicial Borax.-Large quantities of borax are now manufactured by direct combination of botacic acid and soda. 'This acid is produced in larse quantities in certain parts of the ltalian voloanic tield, and especially in a refion in 'ruscany. The soil in this district is eleft by numerous tissures, which form a vent for hot vapours, called sothoni. The process is to buid a basin of masomry round several of these tissures, so as to form a lagoon; water being introduced from a neighbouring stream. The water, owing to the heat of the emitted vapour, fradually boils, and becomes impregnated with boracic acid. It is then drawn off and evaporated in leaden pans, the leat leing supplied as before by the stean issuing from the earth. 'l'le produce of these works is anmually increasing. In 18.15 it was nearly 1,000 tons, in 1855 it was over $1, \times 00$. The boracie acid is then saturated with carbonate of soda. It may be added that the originof this acid is exceedingly obscure. It is not tound in the extruded rases, nor in the soil ; but as boracic acid is volatalised
by the aid of steam, it seems that it is carried mechanically to the lagoon.
Borax has an alkaline reaction. Its chief uses are as a flux for metals; as a material to facilitate the soldering of metallic surfaces, which it seems to effect by preventing oxidation; as an ingredient in glass and porcelain ; and as a medicine.

The duties en borax were repealed in 1845
BORDEAUX. A large and opulent city of France, on the tiaronne, about 75 miles from its mouth. Latitude $40^{\circ} 50^{\prime} 20^{\prime \prime}$ North; Longitude $0^{\circ} 34^{\prime}$ West. Pepulation in $1865,173,300$. The commerce of Bordeaux is very extensive, but the most important articlo is that of winc. The Gaconme, which at its confluence with the river Dordogne about 18 miles below Bordeaux changes its name and becomes the Gironde thence to the sea, is a noble river, with depth of water sufficient to enable large ships to come up to the city, laying open, in conjunction with the Dordogne and their tributary streams, a large extent of conntry. The commerce of Borleaux has been considerably extended since the introduction of railroads. Formerly the Grand Cunal du Langueiloc, extending from Tonlouse to Cette on the Mediterancan, was the priscipal channel for the transport of goods between Bordeanx and the south of France. But since the establishment of the 'Compagnie des Chemins de Fer du Midi,' which now farms this canal, and whose interest it is to divert from it its usual trafic in order to faveur their own line, it has lost much of its importance. Wine, brandy, fruit, grain and seeds, resin, turpentine, pine timber for railroad purposes and pit-props, are the staple articles of export; but the gencrality of merchants contine themselves more especially to the wine 1 rade. Most part of their other business is confined to dealing on eommission, but this they conduct almost invariably on their own account. The reason they assign for this is, that the difficulties attending the purchase and subsequent care of wines so as to rencler them fit for exportation are so very great as to make it almost impossible to conduct the business on anything like ordinary terms, so a, to satisfy their employers. Colonial produce, cotton, dye stuffs, hides, tobaceo, rice, coffee, sugar, cocoa, pepper, form the principel articles of import.

Money.-Money is the same in Bordeaux as in other parts of lirance. All accounts are kept in franes, the par of exchange being 25 francs the pound sterling.

Weights and Measures.-The decimal system has entirely superseded the old system.

The old measure of the velte has long since been abolished. Wine is sold by the tun of 4 hogsheads of 225 litres eaeh, equal to 50 gallonis; brandy and spirits by the liectolitre; oil by 100 kikgrammes.
Eintrance to the River.-Since the last publication of this Dictionary grent inprovements have been effected. The entrance as well as the whole course of the river up to Bordeaux have been thoroughly buoyed, and many additional lights and heacons have been added. 'The passes have been greatly improved by the works ellected under the directions of the Government engincers; and though the navigation for vessels of high tomage is still intricate, it has been rendered much more safe than it was formerly. (Consular Report to the Admiralty, August 11, 1860.)

Port Charges.-The following is an account of charges and harbour dues levied at Jordeaux ou British shipping trading between British possessions in Lurope and this port.

B O R I) F. A I X



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British ships than British navigation dues per ton, and the the former case is 36 lr insten

Bordeaux is a carcening ships, sorts of stores
The following
tomage of verse of Borileaux in $t$

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The relative vessels were:-
ritish: vesselse
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(Sue also Detai §c. respecting shi of Trade, Nov. 18 Coasting Trade. tons cutcred, and of 116,714 tons cl fianking Establ in Bordeaux, whi a lucal company, the 'Bunque de cursale de la Bum tions are conduete rerulations of tha
Brokers.-No 0 tile broker in lira of twenty-five ye: ject or being natu in a mereantile
They are nomin qualifications have er ol' Commerce.
All foreigners a kers to transact house ; and althe French vessels m their services, they

Proformâ Shipbroker's Bill for a Vessel of 300 tons with Cargo from an English Port in Europe, and returning home in ballast.
Tou report and pitotage from sea ta Hordeaux (draught or
Whater 17 feet) 10 censs. per register ton
Noving vesmet upand moming her
Eintering the vessel at fusfan lloose and other offires.
and brokerate inwards, at 50 cents. jer tor (whether
lidien or in ballast) -
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1hallist isken in, from 1 fr. 10 centa. to 1 fr, $2{ }^{\circ}$, cents. prer imn
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lire, Atsendance, and brokerage, outwards, so cents. per
ton (in hallast)
Monring buo.s, 10 cents. per tan and per month - $\quad=\quad 3000$
N. II. Hrokevage outward, when ishen and chartered Inmpsum ifr.
br ton meamoremant ; when laden otherwise, 1 fr. 50 cts. per tan
of guods taken in.
Quayare and use of cranes to deliver or take in soods, 1 fr . per ton, paid by the shippers.

Use of crancs to take goods out of the hold on deek, 60 cents, per ton, paid by the ship.

To moor and unnoor ship to and from the quay a drayman is employed, and is paid $1 \overline{5}$ fro. for each operation. If the ship can spare no hands to assist in mooring, labourers are employed at the rate of 5 frs. each.

British ships coming from or going elsewhere than Iritish possessions in Europe pay foreign mavigation dues, that is 3 fr .75 c . instead of 1 fr . per ton, and the pilotage is one hall more than in the former case, and the clearance at the customs is 36 fr. instead of 15 (for vessels of 300 tons).

Bordeaux is a favourable place for repairing and carecuing ships, and for obtaining supplies of all sorts of stores.

The following is a statement of the number and tomage of vessels entered and cleared at the port of Hordeanx in the year 1864 :-


The relative proportions of British and French vessels were:-

| Ilritishi: vessels entered | - | - | 397 | 121.926 |
| :---: | :---: | :---: | :---: | :---: |
| clearml | - | - | 391 | 119.8.3s |
| French: vassels entereal | - | - | :32 | 142,917 |
| cleared | - | - | 707 | 167,145 |

(Sce also Detailed Report showing the Regulations \$c. respecting Shipping, transmitted to the Board of Trade, Nov. 1855.)

Coasting Trade.-1,644 French vessels of 129,762 tons entered, and 1,745 vessels of the same nation of 116,714 tons cleared, daring the year 1864.

Fanking Establishment.-There is only one bank in loordcaux, which formerly was in the hands of a lucal company, but was incorporated in 1848 in the 'llanque de France.' It is now ealled 'suceursale de la hanque de France,' and all its operations are conducted aceording the statutes and regulations of that establisliment.
Brokers.-No one is allowed to act as a mereantile broker in lirance who has not attained the age of twenty-five years, and who, being a lirench subject or being naturalised, has not served four years in a mercantile house or with a broker.
'They aro nominated by the Emperor after their quatilications have been ascertained by the Chamber of Commerce.

All foreigners are obliged to employ ship brokers to transact their business at the customhouse; and althongh masters and owners of Frenclh vessels might sometimes dispense with their services, they never do so, finding it to be,
in all cases, most advantngeous to use their intervention. All duties outward on vessels and cargoes are paid by the ship brokers, who invariably clear out all vessels, lirench as well as foreign.
All goods brokers mast deposit in the treasury, as a guarantee, the sum of 8,000 franes if of the tirst category, or 4,000 frames if of the second.
The first category comprises the brokers exereising their functions in the city of lordeans; the second, those similarly employed in the various arrondissements.
'The insurance, ship, and money and exchange brokers are subjected to the same rules and rugulations as the goods brokers, but the deposit of the money brokers is 30,000 franes instead of $8,0 c e$.
At the present moment there are 28 goods brokers; 22 ship brokers; 20 money and exchange: brokers; 15 wine and spirit brokers; 7 insurance brokers.

Rates of Commision. Shipbrokers.


Goods Brokers.
On mast gools, principially wolonial, with the exception of colton, bogar, and malasses, $h$ pur cent, pald by the purchaser.
On mol ases. I per cent. pid by the porchaser.
On molasels, per cetht. pidit by the porchaser.
(in cotton and sugar, per cent., that is iper cent. paid by the
seller and thy the purchaser. seller and $\frac{1}{6}$ by the purchidser.


The follou'ing goods pay a commission of th per cent.; that is, $\frac{1}{4}$ by the scller and $\frac{1}{4}$ by the buyer.

| (bats. | Seeds: | Rape. | Verdigris. |
| :---: | :---: | :---: | :---: |
| Wheat. | I.inseed. | Jundjer lerries. | Arcdi. |
| Mitize. | Mistard. | llarse grease. | Nestr, foot oll. |
| Marley. | Seatnum. | Guinen cldet. | Catton. |
| Iye. | tlover. | 110ps. | Naw sugat. |
| Elour. | 'oply. | laisina. |  |

Brandy and Spirits Brokers.


Wine Brokers.-2 per cent. paid ly the seller per tun of 4 logsheads. When wine is sold under 150 francs the tan, the broker's commission, paid by the seller, is 3 franes per tun.
Insuruace Brokers. $-\frac{1}{6}$ per cent. on the capital insured.

Moncy and Exrchange Brokers.- $\frac{1}{8}$ per cent.
The exchange or monry brohars of lhordeaux follow a kind of business pretty similar to the London private bimkers. They receive, negotiate, and pay bills mad orders of such houses as have accounts open with them, charging and allowing an interest on balances, which varies from $18 \frac{1}{2}$ to 4, per cent., according to circumstances. They charge $\frac{1}{}$ per cent. for negotinting tills, and $\frac{1}{b}$ per cent. on all the payments they make.

There are, besides, mmerous eapitalists who employ their spare fimds in discoming bills. They prefer bills at long dates, and take from 3 to
fi per cent. discount, necorling to the confldence they have in the paper presented.
There are not wanting individuals whe guarantee, with their names, every sort of paper presented, taking from 5 to 60 per cent. for the risk.

Merclunts' Commissions,-2 per cent, on current affairs, $\delta$ per cent. on litigious affairs, variable on gouls in transitu, \& per cent. on insurances.
For a considerable portion of the above valuable infornation on the trade of Bordeaus we are indebted to Mr. Scott, her Majesty's consul at Bordeaux.
Quarcuntine, -Quarautine can be performed in the rivar (ifironde, in the neighbourhood of Panillac, a small port aboit 30 miles below Ibordeans. The oli Lazaretto has been pulled down as being uselessly large, and a smaller and more appropriate estallishment is erecting.

Colmial produce, spices, dye-stuffs, and metals are usuilly sold for cash, with 3 per cent. discount. Corn, flour, brandy, and several other articles, are sohl fir nett cash, without discount.
The usage is generally established in Bordeaux to consider all paper having less than 30 days to run as eash; and with such all payments are made, where there is not an express stipulation to be paid in coin.
Tarts.-The tares allowed at Borieans are the following: -

Tures allowed by the Custom House.
Anchovies. In small kegs of 3 kilos, 1 -6th of their wight.


Tires allowed in Commerce beturen Merehants.



Borileanx possesses some iron fonnderies, cotton factories, sugar refineries, glass works \&c.; but lnbour and living are too high to admit of its becoming a considerable mannfacturing city.

Insurance of ships, houses, and lives is effected at Bordeaux. The first is carried on partly by indivdiuals, and partly by companies ; the last two by tompanies on!y. The partners in these associations are generally liable only to the amomet of the shares they respectively hold.
For statements as to the Warehousing System, Smuggling, \&.c. the reader is referred to the article IIAvRE.

Bordeaux Wine Trade.-The cultivation of the vine has greatly increased since 1834 , exeept in a portion of the white wine district; though for many years, owing to the vine disease, the quantity of wine proluced fell short of what it ourht is have been. The disease has, however, gradually diminished, and had almost entirely disappeared in 1864, which year may be considered to have produced a low average quantity.
The average production of the vines in the Department of the Gironde, for the tive reans anding with 1864 , amounted to $231,404,400$ litres ( 257,116 tuns), equal to $50,908,968$ gallons.
The red wines of the Gironde may be divided into three categories, the first of which is divided into several classes.
The first category includes the five classes of
the superion of Médoc. The seco Graves, St. Côtes, and The third deux Mers ( Bas Méloc, The tirst c according to the crûs bous the II aut MI 'I'he first c the Château
first three ar
Médoc, N.W.
trict called il
highest excel
and in favolir:
fr, per tun, w When they lia the price is $d$ bottle of the $b$ 6 or 7 fr . Th cate, and is cha palate and its of the nature latour has a f consitlerable a Lafite The $\mathbf{C}$ is lighter, and of thic. Latite, e . a flavour. Th and body than when new, and wood; while $t$ much less time The second Monton, Léovil
The third clas
La Gr:inge, Gis
The fourth
Pièvre, Châteat
The filth cla llatailley, Gra
Cantemerle \&c.
Cantemerle \&c.
The crûs boif but superior to t are likewise the principal parish pruluced are M gams, St. Julien
The productio elassés was estim the prices rangi tirst growths to The crûs bourgeo varied from 700
The district of 30,000 tuns. 1 Pr franes per tim.
The district of tulns, varying in franes per tuin.

The other distr varying in price f tun.
The white win dueed in the il Preignac, and liar classes, besides $t$ quantity of the ty of the third about tity of the two tire high prices have sale.
the superior cruis (growths) and the crus bourgeois of Medoc.

The second category ineludes the Vins de Graves, St. Emilion, Blaye and Ilourg, Vins de Côtes, and Vins de I'aysans du Médoc.

The third category, Vins do l'alus and Entre deux Mers (district lying hetween tho two rivers), Bas Médoe, and Cargo wines.

The tirst eategory is divided into five sub-classes, according to the excellence of the wines, besides the crîs bourgeois, all of which are the produce of the Maut Medoc.

The first class comprises the Lafite, the Latour, the Chateau Marganx, and the Hautbrion. The first three are the produce of the distriet of Hant Medoc, N.W. of Hordeaux, and the last of the distriet called des Graves. These wines are all of the highest excellence; their produce is very limited, and in favourable years sells at from 3,000 to 4,000 fr. per tun, which contains 210 imp, gallons, but when they have been kept in the eellar for 6 years, the price is doubled, so that even in Bordeaux $n$ bottle of the best wine cannot be had for less than 6 or 7 fr . The Latite is the most choiee and delicate, and is eharaeterised by its silky softness on the palate and its charming perfume, which partakes of the nature of the violet and raspberry, The Latour has a fuller body, and at the same time a considerable aroma, but wants the softness of the Lafite The Château Margaux on the other hand is lighter, and possesses all the delicate qualities of the, Lafite, except that it has not quite so high a flavour. The Ilautbrion again has more spirit and body than any of the preceding, but is rough when new, and requires to be kept 6 or 7 years in wood; while the others become fit for bottling in much less time. (Ifenderson On Wines, p. 184.)

The second class eomprises the growths of Monton, Léoville, Larose, Piehon de.

The third class eomprises the growths of Langroa, La Gr:age, Giseours, I'ulmer, Kirwan \&c.

The fourth elass comprises the growths of St , Pière, Château leycheval, Dulue, Carnel de.

The fifth elass eomprises the growths Canet, llatailley; Grand Puy, Lynch, D'Armailhac, Cantemerle \&

The crîs bourgeois, inferior to the last named, but superior to the Vins de parsans, all of which are likewise the produce of IIaut Médoe. 'I'he principal parishes in which all these wines are protuced are Macan, Labarde, Cantenac, Margraux, St. Julien, Pauillac, and St. Estēphe.

The production of the five categories of crûs classés was estimated, in 1864, at about 5,000 tuns, the prices ranging between 5,000 franes for the tirst growths to 1,200 franes for the titth growths. The crûs bourgeois produeed 7,500 tuns, and prices varied from 700 to 1,200 franes.

The district of Blaye and llourg produeed about 30,000 tuns. Prices varied from 200 fraites to 450 franes per tun.

The district of Sibourne produced about 50,000 tuns, varying in price from 300 trancs to 1,000 francs per thil.

The other districts produced about 150,000 tuns, varying in jrice from 120 franes to 400 franes per tun.
The white wines of the first quality are produed in the districts of Santerne, Bommes, l'reignac, and Barsac. They are divided into three classes, besides the common kinds; the average quantity of the two first elasses is nbout 950 tuns, of the third about 700 tuns. In 1864 the quantity of the two first classes was 635 tuns, but their high prices lave litherto interfered with their sule.
'The quantity produced of other classes, includ-
ing the Vins de Graves, amounted to about 2,200 tuns, and their prices ranged from 240 franes to 500 franes per tun, with the exception of the higher kinds of Graves.
The production of the classed white wines has remained stationary, but that of the unclassed wines has decreased to the extent of two thirds, owing to the invasion of the oidium, which, since 1852 , has forced many proprietors to pull up the greatest part of their vines.

Annual Averagc Firports of Wine at the Port of Bordeaux for the Fin Years 1860-1861.

| Countries to which exporied | Quantitier |  |
| :---: | :---: | :---: |
|  | Litres | dallons |
| The United Kingtom | 6,101,4.57 | 1312080 |
| The IIanse Towns llolland | 3, (171, 2128 | 1,11, ${ }^{3}+16$ |
| Welatuin - | 4, 64.9 .148 | 1,4721048 |
| 1'he (ierman ©nmmercial Union | 2,659,903 | \$84,178 |
| Sweden and Norway | 713,140 | 11,3,538 |
| Itanover | 660, 66. | $145,3(4)$ |
| Jenmark | 386,23\% | 86,97 79,016 |
| lussia | 147,1058 | 34,350 |
| Srain ${ }^{\text {Pr }}$ | 89,480 | 13,141 |
| Portugal | 11,027 | y,426 |
| Austria | 10,207 | 2, 256 |
| Italy | 328 | 72 |
| Total exports to Europe | 25.453,15i | 6,6116,127 |
| The United States | 8,28,3,464 | 1,492,362 |
| Hiver l'late - | 7,089,320 | 1,569,6is) |
| Mritish Colonies - | 6, $, 310,246$ | 1,411N,649 |
| French Colosifa . | 3, 3 72, 2 ,6i4 | 1,181,964 |
| Uruguay | 3,830,268 | 8(2,6.3) |
| Hrazill .. | 1,154,987 | 340,197 |
| Peru | 81.3,869 | 186,09! |
| Mesico - | 825,8.5 | 181,688 |
| Spantsh Colonles | 66,3,918 | 146,96\% |
| China and Cochin China | 614,357 | 185, 1.48 |
| Chile - | 531,597 | 116,951 |
| Venuzuela | 201,341 | 117.018 |
| Oceanis | 17\%,102 | \$7.887 |
| Equator | 130,809 | 28,778 |
| New diranada | 169,971 | 37,398 |
| Dutch Colonies * | 127,453 | 24,043 |
| Danivh Colonies - | 114,744 | 25,253 |
| Mayti - | 48,095 | 10,581 |
| Guatemala ${ }^{\text {Wen }}$ | 34.15 | 7,654 |
| West coast or Africa | 48,326 | 1,238 |
| Total exprorts to sundry colonie, | 57, 07 9,0816 | X,2fil, 1146 |
| Hecaptulotion : |  |  |
| Esports to Europe $\begin{gathered}\text { Colonies } \\ \text { Sole }\end{gathered}$ | 25,453,1:31 | 5,600,147 |
|  | 37,079,076 | 8,261,016 |
| Sundry places - | [...3,6i.3] | 803 |
| Total | 62,537,87\% | 13,361,976 |

The unelassed wines of Médoc were estimated at about 40,000 tuns, varying in price from 250 francs to 600 franes per tun.

The expenses attending the cultivation of the vine, including the vintage, in the district. of Medoc, where, owing to tiac superior value of the wine, no expense is spared in producing the greatest quantity and the best qualit $y$, are estimated at abont 300 franes per journal, equal to $\frac{1}{3}$ hectare, or 3 roods, 6 poles linglish measure, besides the interest on the capital, to which must be added, in years when the wine is not immediately disposed of, the expense of keeping and loss in ullage.
The produce of a jourual is estimated as follows:-

On the light sandy soils, I to 2 hogshends; on the gool average soil of Medoc, 2 to 3 hogshends; on the strong allivial soils, where the wines are of the conimonest kinds, up to as much as 6 tuns.
The merehants generally purehase the finest crûs as soon as they can judge their character. The system of farming certain of them fur a number of years is almost entirely exploded, as experience has shown that such an operation is a very losing concern. The wines are transported to the private establishments of the purehasers in Hordeaun, so sitnated as to insure an equable temperature throughout the year; and in these they ripen and undergo all the different processes of fining, racking, mixing de, considered necessary to bring them to the requisite condition for sale.

The old custom of adapting llordeaux wines to the taste of the English market has entirely ceased liere for many years past. The taste for pure wines having generally superseded that for the heavily luaded wines of the former generation, the wine mercbants of llordeaux have ceased the operation of blending their wanes with the strong, full-bodied, and high-flavoured wines of the Jihone, such as llermitage, cûte rotip, croze de., and the still more heavy wines of Catalonia. In former days, the greatest portion of the vines of the Rhone were imported into Borderas for the above specitied purpose; but at the present time, and for several years past, the purchase of them has entirely ceased, and they take another direction, that of lhargundy, or direct to Eugland, where the operation formerly practised in Burdeaux is said still to prevail.
The wines shipped under the titles of Latite, Latour, and Chateau Margaux are also freely mixed with the wines of the surrounding vineyards, which, from the nature of the soil, proximity, and mode of cultivation, cannot differ materially.
Other good wines are also said to enter largely into the composition of these celebrated crûs. Some houses pretend to keep their wines pare, but the practice of mixing is at any rate very general.

The purchase of the wines, whether from the ar rower or the merehant, is eflected through brokers. There are a few of them who have the reputation of accuracy in dissecting the different llavours, and in tracing the results of the wae by certain measures of training and treatment.

Eugland eonsumes the greatest portion of the ligh-classed wines, besides a large share of the lower kinds, especially since the I'reaty of Commerce with lirance. A certain quantity is taken by the Russians and eitizens of the United States; the remainder is consumed in lhorthanx or in Paris, where, owing to increase of wealth, highprieed wines are now in demand.

The wines of inferior quality and value aro exported to varieus parts of the Continent of Eiarope, and wherever a demand may exist. The wines known as Cargo Wine are the lenst valuable. They are chielly from the district of ' Eutre denx Dlers,' but for several years past, and more particularly since the diminution in the production of wine, many of these wines are so mannfactured that it is hacily possible to know of what they are composed. The best, however, are a mixture of the common white wines, the comese dark-coloured wines of the sonth, such as Narbome, lioussillon de., and at certain quantity of distilled water. They can be put on board at $2 /$. per hogshead and miwards, and at 5s. per case of 12 bottles. These kinds of wine, when properly prepared, will last sound two or three years, whether in wood or in bottle, and bear the sea-carringe well; a vast quantity beinge exported to North and South America, the colunies, the sunth coast of Africa, and India.

The practice formerly pursued by the Duteh, as described in the first edition of this Dietionary, of sending ships with supercargoes to purchase the wiues, has been moditied -the purehases for that country being now in some cases conducted by the purchasers personally under the guidance of a merchant of Bordeanx, to whom is intrusted the shipment of their purehases. In others, the Bordeans merchants are employed to purchase, ship \&c., without the presence of the Dutch purchaser-a commission beng allowed on all these operations. Many Bordeanx merchants commeted with Holland speculate on their own account, sending samples of their purchases to their enstomers. They seldom purchase old wines, or those of
full borly, as the jrevalent taste In Holland is for new and light wines.

Brandies and Spirits of Wine.-The quantity distilled in the Depurtment of the Gironde has been very insigniticant for several years past. Notwithstanding the increase of the cultivation of the vine, the oidlinm or vine disease reduced the quantity so greaty below the average as to increase the price even ol the lowest qualities, from which brandy is made, to such an extent that far greater prolits were derived from the sale of the wines than from the distilling of them into spirits. Tho manufacture of brandy may therefore be said to have been confined exclusively to the neighbouring countries of Armugnac and Miarmunde.

The district of Armagnac produces yearly on an average about 40,000 to 50,000 pieces, of 4 heetolitres each, and the present price is 72 francs per hectolitre.
The district of Marmando produces from 10,000 to 15,000 pieces, valued at 58 frames per heetolitre. Languedoe produces annually about 40,000 pieces, of 80 veltes each, the greater part of which comes to llordeaux to be forwarded to the different ports of the nerth of Franee, or to fereign cointries. France consumes about two-thirds of the above quantity; the remnining one-third goes to the north of Europe. The prices of irandy nre from 130 fr . to 150 fr . per j 0 veltes, ordinary proof; spirits of winc, from $I f$ fr. to 5 fr . per relte.
The greatest shipments of brandy take place to England from the port of Tommay-Charente, on the Charente. Cognac, from which the brandy takes its name, and where there are large distifleries, is a few leagues up the river. The quantity exprorted is far greater than what is made at Cognae; the two leading distillers there (Martell and llennessy) buying great quantities from the small cultivators. The greater part of the wines made about Angouleme, and thence down toward the sea, are of interior quality, and tit only for making brandy; and so little to the prices vary, that the proprictors look upon it nearly in the same light as gold. When they auguent their capital hy saviugs or protits, it is employed in kecping a larger stock of brandy, whieln hasthe further advantage of paying the interest of their caputal by its improved value Ironn age. Enghand is said to receive upwaris of 6,000 pieces anmually: from Cliarente.

A very large proportion of these brandies issent to hordeans, where they are converted into common or cargo Curnar, and seut oft as such to various parts of the world. 'The remainder tinds its way pure to various parts of Franee, or is employed here for brandied fraits, liqueurs, and coritials.

At Bordeasx, as at Jaris and Marsoilles, there is a constant grambling ousiness in time bargains cf spirits of wine. It is in the form of sporits of wine that nearly all the brandy consumed in France is expedited, as in this form there is a great saring in carriage. (For an otlicial arcoment of the exports of wine and brandy from lirance, see Vins...)

Export of Fruits,-1'lhe fruit exported consists of prunes, almonds, walnuts, apples \& :
'Ihe inllax of the South Americar. Spaniateds, which was noted thirty years ago, has long since ceased. Many of those who at that time liad setthed in Bordeaux have eitlier died or lelt it altogether, and their eapital has gone with them. At the present time there are few existing, and the trade with the South American eontinent has again fallen into the hands of the French merehaints. Many of these capitalists embarked in speculations
which did they had b
Anuual Av of IBordea

Countriest
The Uulterl Kit
The Uuitivl Ki
Sweden and No Hatise Towns Hollanis.
Hetgium
Kuwia ifriman Comm pann
Prortaga!
Total export
The United State Irilish cotontes French Cote
French Colo
Meaico
Epankh Colonies Vruguay
Chife
Peru
Wiquator:
New (iranaila
Wrazil
Duth coast or arric Duth Colonies Venrexuela
Oanish Colonies
ceania
Total export to
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Fipporta to Elurope
'Totle Colonier
Tu sundry place
Total -
Ojeration of the Trade of zreat city lias sighted, anti-soc ment. This pol nud systematical we believe it wou privations it eus ment poweriully fill. Put those have not hitherted to a soumler syst carried, in somie ystem' to anex lion. Notwithst country like lrar ware at a cheap forcigners is exc tained for a thired is mamuffactured I has heen followe it de. And in ord sugar from the b; been lidid, noto onll that imported ifi opcration of this dustry of the coul lly fircing Frane tlic prolluction of aequired eupabiliti quently the growi duction of which coulury has been conamerce being reciprocity, a comil cease to expart. -by refusing to a cottons and hard Swedent, the linens Swilzerliand and all that was in her
which did not sueceed, mand much of the fortune they had brought with them was thas dissipated.

Anaual Averoge Erports of Brandy at the Port of Bordeatax, fior the last 5 Years, 1860-186.1.


Operation of the Fronch Commercial System on the Trade of Bordcaux \&o,-The trade of this great eity las suffered severely from the shortsighted, anti-social policy of the French Government. This policy was tirst broally laid down, and systematieally acted upon, by Napoleon I.; and we believe it woulil not be diflienlt to show that the privations it enuailed on the people of the Continent powerfolly coutributed to acceleratehis lowafall. But those by whon he has been suceeeded have not hitherto seen the expediency of returuing to a sombler system; on the contrary, they have earried, in some respects at least, the 'continental system' to an extent not contemplated by Napoleon. Notwithstanding the vast importance to a country like lirance of supplies of iron and hardware at a cheap rate, that which is producel by foreigners is excladed, though it might be obtained tor a third part of the price of that which is manufactured at home. A similar line of poliey has been followed as to eotton yarn, earthenware \&e. Aud in order to force the manufacture of sugar from the beet-root, oppressive duties have been laid, not only on fureign sugar, but eren on that imported from the French colonies. The operation of this system on the commerce and industry of the country has been most misehievous. By forcing France to raise, at lome, articles for the prodution of which she has no natural or nequired eapabilities, the exportation, and consequently the growtb, of those articles in the production of whieh she is superior to every other comntry lais been very greatly marrowed. All commerce being bottomed on a fair principle of reciprocity, a country tinat refuses to import must cease to export. Dy excluding foreign produce -by refusing to almit the sugir of liazil, the cottons and hardware of England, the iron of Sweden, the linens of Germany, and the cattle of Switzerland and Wirtemberg-France has doue all that was in her power to drive the merchants
of' those countries from her markots. 'They are not less anxions than formerly to obtain hor wiues, brundies, and silks; innsmuch, hovever, as commerce is mercly an exchange of products, and as l'rance will necept very few products belonging to uthers, they cannot, how anxions soever, mint tain that extensive and mutunlly heneficial interconrse with her they would otherwive carry on: they sell little to her, and their purehases are, of conirse, propertionnlly diminished.
'This, indeed, is in all cases the necessary and inevitable eflect. of the prohibitive systoin. It hever fails to lessen exportation to the same extent that it lessens importation; so that, when least injurious, it merely substitutes one sort of industry for another-the production of the artiele that had been obtained from the forcigner, for the production of that which had been sent to him as an equivalent. [Coansises.]

France is not only extremely well situated for carrying on an extensive intercourse with forejgn comitries, but she is largely supplied with several productions, which, were she to adopt a liberal commercial system, would meet with a rendy and advantageous sale abroal, and enable her to furnish equivalents for the largest amount of imports. The superiority enjoyed by Amboyna in the prodactiou of eloves is not more decided than that enjoyed by France in the production of wine. Iler charet, burgundy, champagne, and brandy are unrivalled; and furmish, of thenselves, the imaterials of a vast commerec. Indeed, the production of wine is, next to the ordinary business of arriculture, by far the most extensive and valuable branch of industry in litance. It is stated by the landholders and merchants of the tepartment of the Gironde, in the almirable Pritition at Menoire is $l^{\prime} \boldsymbol{l}^{2} p u i$, presented by them to the Chamber of Deputies in 18.28, that the puantity of wine annually produced in lirance amonits, at an average, to about $40,000,000$ hectolitres, or $1,060,1100,000$ gallons; that its value is not less than from $800,000,000$ to $1,000,000,000$ franes, or from $32,000,0001$. to $40,000,0001$. sterling ; and that upwards of three millions of individuals are employed in its production. In some of the southern departments it is of paramonnt importance. The population of the (iironde, exclusive of Bordenus, amoments to about 450,000 individuals, of whom no tewer than 230,000 are supposed to be directly engraged in the cultivation of the vine.

Here, then, is a branch of industry in which Framee has no competitor, which even now afliords employment for about a tenth part of her population, and whiel is susceptible of indefinite extension. She lus, in this single article, the means of carring on the most extensive and lacrative commerce. 'Le qouvernement français,' says M. Chaptal, in his work Sur I'Industrie Fronçaise, 'doit les phas grands eheduragements a ha colture des vignes, soit qu'il considere ses produits rehtivement it la consommation interieure, soit qu'il les envisage sous le rapport de notre commere avec l'ét ranger, elout il est en effet la base cssenticllc.'

Jut instead of libouring to extend this freat branch of industry, Govermment has eonsented to sacritice it to the interests of the iron-foumders, the cotton and linen mamifacturers, and the planters of Martinique and Guadalonpe! We do not, indeed, imarine that they were at all aware that such would be the effect of their policy. Theirs is only one instance, among myriads that may be specified, to prove that ignorance in a ministry is quite as pernicions as bad intentions. The consideration, apparently not a very recondite one, that, notwithstanding the bounty of nature, wine was not gratuitously proluced in lirance, and
could not, therefore, be exported except for an equivalent, would seem never to have occurred to the ministers of Louis XVIII. and Charles X. But those whose interests were at stake did not fail to npprise them of the hollowness of their system of policy. In 1822, when the project fir raising the duties on sugar, iron, linens \&c. was under discussion, tho merchants of llordeaux, Nantes, Marscilles, and other great commercial cities, the silk manufacturers of Lyons, and the wine-growers of the (iironde, and some other departments, presented petitions to the Chnmbers, in which they truly stated that it was a contradiction and an absurdity to attempt selling to the foreigner without, at the sanse time, buying from him; and expressed their conviction that the imposition of the proposed duties would be fatal to the commerce of France, and would consequently inflict a very yerious injury on the wine-growers and silk manufacturers. These representations did not, however, meet with a very courteous reception. They were stigmatised as the work of ignorant and interested persons. The Chambers approved the policy of ministers; and in their ardour to extend and perfect it, did not hesitate deeply to injure branches of industry on which several millions of persons are dependent, in order that a few businesses, nowise suited to France, and the support of which costs her several millions a year, might be bolstered up and proteeted!

It is plain, had there not been some powerful countcracting canse in operntion, that the exports of wine from France wonld have been very greatly angmented since the peace of 1815 . The United States, Russia, England, Prussia, a all those countries that have at all times been the great importers of French wines, have made prodigious advances in wealth and population since 1789 ; nul, hed the commeree with them not been subjected to injurious restrictions, there is every reason to think that their imports of French wine would have been much grenter now than at nny former periol. So far, however, from this being the case, they linve declined in a most extrnordinary degrec. This is proved beyond all question by the following extract from a report made to the Council General of the Gironde in 1841, and published by its orders and with its sanction:-

- Previously to 1790 the wine trade at Bordeaux had an immense developinent. The books of our most ancient houses, transmitted down religiously from father to son, and the registries of our lands, prove that in the years preceding 1787 our exports had reached more than 100,000 tuns of wine, 10,000 casks of brandy, and 5,000 of vinegar. They also show that from 1,200 to 1,400 vessels from the North took large quantities of wine, in return for their national proluce, which they easily disposed of amongst us. It was $n$ most lucrative commerce, for we then sent 15,000 tuns to Prussia, 18,000 to Fogland and Ireland, 6,000 to Dantzie, 40,000 to Hamburg, Lubeek, and Bremen, 15,000 to Molland, 7,000 to Siweden, 5,000 ro Denmark and Norway, and 12,000 to Russia. But at that period we l.ad not closed our fronticrs to the produce of all these nations - we received at moderate duties their woollens, linens, hemp, iron, wood, cattle, and other articles, the consumption of which was less expensive, nud the quality better, than similar articles made at home, and forced on us by eustoms duties. At present, notwithstanding the rapid incrcase of commercial affairs-notwithstanding the new nations of America, the advantages of a more expeditious, certain, and ceonomical navigation, the demands of nations increased in number and industry, and consefuently more disposed to pur-
chase for consumption, our comınerce is declining in a most alarining manner. Authentic documents provo that, in 1839, our exports only reached 1,339 tuns to England, 2,499 to Russia, 147 to Sweden, 342 to Norway, 2,964 to l'russin, 612 to Denmark, 8,188 to the Ilanse Towns, and 7,621 to tho Netherlands. Since then our exports have not increased; so that insteal of 100,000 tuns at least taken by the north of liurope from the department of tho Gironde previously to 1790 , not more than 25,000 tuns are taisen at present. Yet the taste for winc and the necessity to use it have not been weakened amongst the various nations; but the exaggerated duties with which its introduction has been loaded only allow it to be consumed by the wealthy classes, who are everywhere the least numerous. These duties are established in retaliation of those which France lays on foreign productions. If the exportation of wine has diminished in so great a propurtion, the enuse must be sought in the protective system. When the rarintions in the exports of wine are attentively examined, and their decrease looked to since 1822 , when this system attained its height, to 1810 , it is impossible not to he struck with the fuct that these varintions are intmately connected with the system itself. The decrease in the exports of wine has followed tho increased development of the protective system, anal, therefore, we are forced to draw this conclasion, that it is this system which destroys our export trade. Yct furcign consumption is the most certain and most protitable for lSordeanx wines, and it is particularly in the markets of the north of Europe and of England that the wines of the tinest quality which our department produces find purchasers. Let us, then, insist on the necessity of re-opening these markets, which have been closed by the enormous amount of duties imposed by foreigners in reprisal of those laid by us on their products.'

Besides the injury inflicted on the wine trade by the prohibitive system of commercinl policy nilopted in France, and the retalintory mensures provoked in other countries, it suffered sevcrely from the octrois and other duties on internal consumption. But the depression, though felt everywhere, was greatest in the Gironde, which was cspecially dependent on its export trade. This was strikingly evinced by the large stocks of wine remaining in the hands of the growers and merchants, and by the fall in its price. This, of course, rencted on the vineyards, many of which hecame all but unsaleable; and in 1843 the committee of wine growers applied to Government for a loan of $2,000,000$ francs to be applied to the payment of taxes dhe by the wine growers.
Such werc the effects of the restrictive system of policy on the wine trade of France-on a branch of industry which employed three millions of people.

A wiscr policy has, however, prevailed in France since the negotiation of the French conmercial trenty and the purtial development of the prisciples of free trade in that conntry.

BOSTON. A commercial city of the United States, the capital of Massachusetts, and the largest, town of New England, lat. $42^{\circ} 23^{\prime}$ N., long. $71^{\circ} 4^{\prime}$ W. Population in $1860,177,812$. The city is situated on a peninsula near the bottom of a large and deep bay, being surrounded on all sides by water, except on the south, where it is joincd to the mainland by the narrow isthmus called Boston Neck. But it communicates, by means of extensive wooden bridges, with Charleston on the north side of the bay, and with Dorchester on the south. Boston Bay is of great extent, and is studded with many islands.
$\square$


Lighthous. one min the $x$ entrance of the third on Narrows, nad Long Island. third is red. Shipping.loston has a other port in necounts laid repistered, en ing to bostol 417,996 tons, in the consti, burden of 50,3 and her immen ever, the shim diminished.
shipping Chc
New Yoils. How to ente Athantic, a shil hear W. by N. The largest ship cable's leugth. the master be a the wind be nor favourable for by S. for Namtu and get n pilot. Mlooring sc.ficient depth of $v$ come up to the to usually moor ul they lie in pe Lolisada, in his 1 the roadstend is tic mensures are t of time when $h$ enter. There are for the most part, structure of ston, are 'Long Whart, tral Wharf,' 413 having a range houses along its y
Pilotage.-No which vessels mut vessels, with the tons, and America Paris from Britis within about $1 \frac{1}{2} \mathrm{~m}$ him on board, 1 ml . they have got wit hailed, the oblig: ceases. This reg tated by a wish to the alert; it being acquainted with tl on board, though limits.
Cureening, Store able place for cared kinds of supplies and at moderate $p$ Immigration,-T riving at Boston i 1,600 or 1,800 in n that the masters o shall enter into amount of 200 doll stall not becom for 3 years, or pa on account of each tion does not ap reasomable ameunt

Lighthouses, Boston Bay.-There are illghts: one on the Minot ledge, the second on the nort's entrance of the larbur on Wighthouse Juland, the third on the west end of the sipit abreast the Narrows, and the fourth on the north-east end of Long Island. The second light is revolving, the third is red.

Shipping, -With the exception of New York, Joston has a larger merenutile marine than any other port in the United Sitates, According to the necounts laid before Conpress January 1, 185s, the registered, enrolled, and licensed tomage belonging to lloston on Jung 30, 185\%, amounted to 447,996 tons, of which 42,179 tons were employed in the coasting trade. In 1806, 48 ships, of the burden of $50,30 \cdot 1$ tons, were launched in lhoston and her immediate vicinity. Since the war, lowever, the shipping of Joston has been materially diminished.

Shipping Charges.-For an account of these, see New Yoik.

How to enter the Port.-In coming from the Atlantic, a ship should bring the lighthonse to hear W. by N. to W.N.W. and rmn direct for it. The largest ships may pass it at within less than a cable's length. If thore be no pilot on board, or the master be unacenuainted with the harbour, of the wind be north-westerly, which is the most unfivourable for entering, she had better stecr W. ly S. for Nantucket roals, where she may auchor and ret $n$ pilot.

Mooring \& $\&$.-Generally speaking, there is sufficient depth of water to pinable the largest shipe to comenp to the town at all times of the tide. They usually moor alongside quays or wharfs, where they lie in perfeet safety. llut Mr. Consul Lonsnda, in his Report of Jan. 24, 1867, snys that the rondstead is fast tilling up, and unless energetic measures aro taken, it will be merely a question of time when large vessels will be unable to enter. There are in all about 60 wharfs; which, for the most part, are built on piles, with a superstructure of stone and earth. The two principal are 'I.ong Wharf,' 550 yaris in length; and 'C'entral Wharf,' 413 yards long by 50 in breadth, having a range of lofty lorick stores and warehouses aloug its whole length.

Pilotage.-No particnlar place is specified at which vessels must heave to tior a pilot. lout all vessels, with the exception of coasters under 200 tons, and American vessels laden with plaster of Puris from Ilritish America, if hailed by a pilot within about $1 \frac{1}{2}$ mile of tho outer light, must take him on board, mader a penalty of 50 dollars. If they have got within this distance before being hailed, the obligation to take a pilot on board ceases. This regulation has obvjously been dictated by a wish to have the pilots constantly on the alert; it being supposed that masters not well acquainted with the bay will heave to to take one on bourd, though they have got within the free limits.

Carecning, Stores, $\& \cdot c,-1$ loston is a vory favourable place for carecuing and repairing slips. All kinds of supplies may be had of the best quality and at moderate prices.
Inmigration,-The number of immigrants arriving at lloston is not great, seldom exceeding 1,600 or 1,800 in $\boldsymbol{n}$ year. A city ordinance directs that the masters of vessels bringing immigrants shall enter into a bond with sureties, to the amount of 200 dollars for each immigrant, that he shall not become a eharge upon the state for 3 years, or pay a commutation of 5 dollars on acconnt of each individual. But this regulation does not apply to immigrants having a reasonable amount of property . the declaration of
the foreign consuls as to this point is commonily acted upm

Triade af Buston \& fo, - lloaton lias a very ixtensive trule with the Sonthern Stutes and with forcign commtries, and is also one of the principal seats of the American Imberies. She is largely indebted to leer southern uedighours, and prineipally to New York, Maryland, nud l'enusylvania, for supplies of thour and whent, and for great ghantities of barley, maice, ontmeat, onts dec. as well as for cotton, tobaceo de. Of these, the importa of tlour amonint, at. maverage, to about $1,100,000$ barrels a-year ; all sorts of grain to about $3,510,000$ bushels; cotton 220,000 bales; surar $80,0000,0000$ lise; collee 50,000 bags de. ller returns are male, zartly in mative raw produce, as beel, ${ }^{\text {rork }}$, larel de.; partly and principally in the prombere of her manufachuring industry, in which Manachnsetts is docidedly superior to every other state in the Union; and partly in the produce of her fisheries and forelgn trade. At an average, Buston annually sends to the southern parts of the Union about 00,000 barrels of beef aind pork; 200,0100 barrels mackerel, herringe, alewives de.; lavge quantities of dried and smoked lish; $5,000,140$ puirs of boots and shoes; besides a very large ansomit of cotton and woollen manntactured gronis, paper, nails, ice, furniture, cordage dec; so us to leave a large balance in her tivolur. Her oxports of native produce to forcign comutries consist priucipally of the same articles she sends to the sonthern States; but she also exports a large amount of the foreign produce she had previously imported. The imports from abroad consist principally of cotton and woollen goods; linens and canvas; hardware, silks, surar, tea, coffee, wines and brandy, spices, hides, indige, dyewoods \&c. The total imports from foreign countries into the state of Massachusetts in the year ending inne 31 , 1864, amounted to $31,312.5,627$ dols.; while the exports of native proluce, during the same year, amonnted to only $15,664,0: 33$ dols., and of native and foreign produce together to $17,037,012$ dols.; the bulance against Massachnsetts being paid atl by bills upon the southern States, to wheh sho exports mnch more than sle imports from them. New York alone is, in fact, supposed to be at all times indebted to Boston about $5,000,000$ dols. We suigoin some statements illistrative of the trade of lloston.
V'alue of the Domestic Prohluce of Massachusetts, $1865,1866$.

|  | $\begin{gathered} 1966 \\ \text { Dollars } \end{gathered}$ | $\begin{gathered} \text { Is6! } \\ \text { Dollars } \end{gathered}$ |
| :---: | :---: | :---: |
| Cottm | 32,040,000 | 40, $14 \times 3000$ |
| Flour | $21,000,000$ |  |
| Corn |  | 2,2,50,00.1 |
| Dats |  | 1, $2 \cdot 50,1090$ |
| coal | 7,00010,610 | 6,5001,1019 |
|  | 2,564),600 | 2,750,064 |
| Jeather | 16,5019,010 |  |
| 1 'rovisions |  |  |
| N.ıval stores. |  |  |
| Hother and eheese | 4,5(1) 1 , (1) 0 | 6,1к\%),10\% |
| Woul | - 25,0Mr,0iO |  |
| Total | - $719,060,000$ | 12x, $\times 3000000$ |

Imports (Quantities).


Ice,-iboston was the original and still continnes to be the principal seat of the American ice trade. This novel branch of industry began here in 1806 , and has since vastly increased. For a while the exportation was confined to the southern ports of

## BOTTOMRY AND RESPONDENTIA

the ship. The owner or captain of a ship is, under ecrtain circumstanees, nuthorised to horrow money, either to fit her out so as to enable her to proced on her voyage, or to purchase a cargo for the voyage, pledging the keel, or bottom of the ship (a part for the whole), in security fos payment. In bettomry contracts it is stipulated, that if the ship be lost in the course of the voyage, the lender shall lose his whole money; but if the ship arrive in safety at her destination, the lender is then entitled to get back his princiual, and the interest "greed upon, however much that interest may exceed the legal rate. (Black, Com. hook ii. c. xas.) The extriordinary lazard run by tho lenders of money on bottemry, who, in fact, become adventurers in the voyage, hats been hek, in all countries, as justifying them in stipulating for the lighest rate of interest.
When the luan is not on the ship, but on the goods laden on boarcl, which, from their nature, must be sold or exchanged in the course of the voyage, the borrower's personal responsibility is then the principal security for the performance of the contract, which is therefore called respondentia. In this consists the principal difference between bottomry and respondentia. The one is a loan upon the ship, the other upon the goods. The money is to be repaid to the lender, with the marine interest, upon the safe arrival of the ship, in the one case, and of the goods in the other. In all other respeets these contracts are nearly the same, and are governed by the same principles. In the former, the ship and tackle, being hypothecated, are liable, as well as the person of the borrower ; in the latter, the lender has, in general, only the personal security of the borrower.

This contract, which must aluays be in uriting, is sometimes made in the form of a deed poil, called a bill of hottomry, excented by the borrower; sometimes in the form of a bond or obligation, with a penalty. Jut whatever may be its form, it must contain the names of the lender and the borrower, those of the ship and the master; the sum lent, with the stipulated marine interest; the vovage proposed, with the commencement and duration of the risk which the lender is to run. It must show whether the money is lent upon the ship, or upon goods on board, or on both; and every other stipulation and agreement which the parties may think proper to introdnce into the contract. (See the Forms at the end of this art.)

The loan in bottomry is on risk cluring the royage. Hence no one can be entitled to it who dors not take on himself the perils of the voyage. Thus the words in a bond stipulating payment of the sum borrowed 'in eight days after my arrival at the port of London' were understood to mean my arrival with the ship, or the ship's arrival. (Smith's Mercantile Laur, book iii. c. vii.)
'It is obvions,' says Lord Tenterden, 'that a loan of money lyon botomry, while it relieves the owner from many of the perils of a maritime adventure, denrives him also of a great part of the protits of a successful voyage; and, therefore, in the plas the ou'ners' residenef, where they may exercise their own judgment upon the propricty of borrowing money in this mamer, the master of the slip is, by the maritime law of all states, preeluded from doing it, so as to bind the interest of his owners, without their consent. With regard to a forcign comentry, the rule appears to be, that if the master of a yessel has occasion for money to repair or victual his ship, or for any other purpose necessary to enable him to complete the enterprise in which she is engaged; whether the occasion arises from an extraordinary peril or misfortune, or from the ordinary course of the adventure; he may,
if he camo bottomry and the fre payment a this is dor responsible. the master ii. c. iii.) insurance. Nol unless a total los. sen, daring the of tied by the contri any default or $a$ which the Iender cover

There is no rest to the persons to bottomry or at ra cave of loans on to the Earst Indie Geo. I. stat. 1 c. It does not, how oriler to cuable ti port to obtain m that the contract. of the tebts shonld bond. Provided mancy do not eh risk of the ship's in maritime interest,' den, 'to be no rea pledge both the shi owner.' And in t this way to retit which was captur lender recovered.
Bottomry contr aucients, At Athe
if he cannot otherwise obtain it, horrow money on bottomry at marine interest, and pledge the ship, and the treight to be earned in the voyage, for repayment at the termination of the voyage. When this is done, the owners are never personally responsible. The remedy of the lender is against the master of the ship.' (Lene of Shipping, part ii. c, iii.)

The authority of the master to hypotheente the ship and freight in case of necessity, and in fur therance of the vovage in which he is engaged, at a foreign port, is indisputable, and his hypothecation of the freight or cargo is also justifiable, if necessary; but he must not do so when he can obtain noney on better terms, e.g. on the personal credit of the owner, or when he can communicate with the owner at his residence. All lingland wond be the residence of the owner, and, since the Union, probably Ireland. (Smith, ibid.)

It has been held that if this communication conld have been made by telegraph, the bottomry boud is void. (Maude and Pollock.)
The rule that the remedy of the lender is against the owner of the ship, was contingent, it seems, on the laws regulating the rate of intorest. It is now a question, however, since the repeal of these laws, whether the owner's personal credit may not be pledged. For the process by which the lender on a ship hypothecated in a foreign country can recover, sec Smith. If a number of loans are effected, it is the rule, if the ship be sold, that the last in point of date is entitled to priority of payment, on the presumption (to be proved) that the master was compelled to contract the obligation by absolute necessity.

In bottomry and respondentia bonds, the lenter receives the whole of his prinsipal and interest or nothing; he is not answerable for general or particular average. [Mr. Serieant Marshall doubts this; but it was so decided by the Court of King's Hench in Joyce v. Williamson, B. R. Mich. èt Geo. III.] Nor will any loss by capture, if subsequently recaptured, affect his claim. In this respect our law differs fron that of France (Cote de Commeref, art. 330) and most other conntries; the lenders on bottomry bonds being there suljeet to average, as our unterwriters upon policies of insurance. No loss can void a bottomry contract, unless a total loss, proceeding from a peril of the sea, during the voyage, and within the time specified by the contract. If the loss happen through any defant or act of the owners on master, to which the lender was not privy, he may still recover.
There is no restriction by the law of England as to the persons to whom money may be lent on bottomry or at respondentict, except in the single ease of loans on the ships of foreigners trating to the East Indies, which are forbidden by the 7 tico. I, stat, I e. 21 s. .2.

It does not, however, appear to be necessary, in order to enable the master of a ship in a forcign port to ohtain money for her repair, outtit \&e., that the contract pleiging the vessel in security of the debt should be in the nature of a bottomry bond. Provided the person who advances the money do not choose to take upon limself the risk of the ship's return, and do not stipulate for maritime interest, 'there seems,' says Lord 'l'enterden. 'to be no reason why the master should not pledge both the ship and the personal credit of the owner.' And in the case of money advanced in this way to retit a ship in distress at Jannaica, whieh was captured on the voyage home, the lenter recovered. (Law of Shipping, part ii. c, iii.)
lottomry contracts were well known to the aucients. At Athens the rate of interest was not
fixed by law; but the customary rate seems to have been abont 12 per cent. liut whet money was lent for a voyage, upon the security of the ship and cargo, the interest, on accomit of the superior risk encomentered by the lender, was it most cases much higher. By the Iihodimn law, the exaction of such high interest as is nsmal in bottomry was declared to be illegal, unless the principal was really exposed to the dangers of the sea. (Boeckh's Publie Economy of Athens, vol. i. p. 177, Eng. trans.) This priuciple was adopted by the Romans, who gave to bottomry interest the name of nantieum founs; and has lieen transferred from the Roman law into all modern codes.
'Formerly', says Mr. Scrjeant Marshall, 'the practice of borrowing money on bottonry and respoudentia was more general in this comntry than it is at present. The immense capitals now engaged in every branch of commerce render such loans mmecessary ; and money is now selitom borrowed in this manner but by the masters of foreign ships who put into our ports in need of pecmmiary assistance to retit, to pay their men, to purchase provisions \&c. Sometimes oflicers and others belonging to ships engaged in long voyages, who have the liberty of traling to a certain extent, with the prospect of great profit, but without. capitals of their own to employ in such trade, take up money on respondentia to make their investnents; but even this, as I am informed, is now not very frequently done in this conntry.'

The term bottomry has sometines been incorrectly applied to desigioate a contract by the terms of which the ship is not pledged as a security, hut the repayment of mones, with a high preminim for the risk, is made to depend upon the snecess of the voyare. This, however, is plainly a loan upon a particular alventure, to be made by a particular ship, and not a lom non the ship, and, of course, the lender hats only the personal security of the borrower for the due performance of the contract. Ind it scems that loans have sometimes been mate in this manner, and probably also with a pledge of the ship itself, to an anemat exceeding the value of the borrower's interest in the ship; and such a contract is still legal in this country in all cases, except the case of ships belonging to British suljects bound to or from the East Indies; as to Which it is enacted ( 10 Geo. II. c. 87 s. 5 ), - That all sums of money lent on bottomry or at respondentia upon any ship or ships belonging to his Majesty's subjects, bound to or from the East Indies, shall be lent only on the ship, or on the merehandise or ellects laden, or to be laden, on board of such ship, ant? shall be so expressed in the condition of the bond, and the benetit of salvage shall be allowed to the lender, his agents or assigns, who nlone shall have a right to make assurance on the money so lent; and no borrower of money ont bottomry or at respondentia as aforesaid shall recover more on any assurance than the value of his interest on the ship, or in the merchandises and elleets laden on board of such ship, exelusive of the money so borrowed: and in case it shall appear that the value of his share in the ship. or in the merchandises and effects laden on board, doth not amount to the full sum or sums he hath borrowed as aloresaid, such borrower shall be responsible to the lender for so much of the money borrowed as he hath not laid out on the ship, of merchanclises laden thercon, in the proportion the money not laid out shall bear to the whole money lent, inotwithstanding the ship and merchandises be totally lost.'

Lord Tenterden snys that this statute was introduced for the protection of the trade of the Last India Company; and its rules most be
complied with in the ease of bottomry by the mensters of shijes trading to the East ludies.

For a further disenssion of this subject, see Abhott On the Law of Shipping, part ii. ch. iii.; Marshall On Insurance, book ii.; and P'ark On Insuranee, ch. xxi.

## 1. Form of a Bottomry Boud.

Know all men by these presents, That I, A. I., commander and two-thirds owner of the ship Lexeter, for myself and C. D., remaining thirdowner of the sitid ship, am heli and firmly bonnd muto E. F . in the penal sum of troo thousind pounds stering, for the payment of which well and traly to be made unto the said E. F.. his heirs, executors, abministrators, or assigns, I hereby bind myself, my heirs, exceutors, and administrators, firmly by these presents. In witness whereof I have lecrennto set my hand and seal, this 14th day of Leeember, in the year of our Lord 1796.

Whereas the above bound A. B. hath taken ul and received of the said E . F . the full and just sum of one thousand pounds sterling, which sim is to run at respondentia on the block and freight of the ship Exeter, whereof the said A. 13. is now master, from the port or road of Bombay on a voyage to the port of Lombon, having jermission to tonds, stay at, and proceed to all ports and places within the limits of the voyage, at the rate on preminm of tuenty-fice per rent. ( 2 per cent.) for the voyar, $\therefore$. lin considerat in whereof usual risks of the seas, rivers, enemies, tires, pirates we. are to be on account of the said E. F. And for the further security of the said le. F, the said A. B. doth hy these presents mortgage and assign over to the said E. F., his heirs, e. ectutors, administ rators, and ossirgns, the said ship Exeter, and her freieht, together with all her tackle, apparel dc. Ani is hereby declared, that the said ship Sareter ans. lier freight is thus assigned over for the security of the respondent a taken up by the said A. B., and shall be delivered to no other nee or purpose whatever until payment of this bond is 'irst made, with the premiun that may become due chereon.

Now the condition of this obliestion is such, that if the ebove bound A. Ih., his heirs, executors, or administrators, sholl a.d do well and truly pay, or cause to be paid, mato the said La . F . or his attorncys in London legrally anthorised to receive the same, their exceutors, administ rators, or assigns, the full and just sum of $1,000 \%$ sterling, being the principal of this bond, together with the premium which sha! become the thereon, at or before the expiration of ninety days after the safe arrival of the said ship. Wexter at her nooringes in the river Thames, or in cise of the loss of the said ship Exeter, such an average as by custom shall have become due on the salvage, the: this obligation to be void and of no effect, otherwise to remain in full force and virtue. ITaving sigued to three bonds of the same tenor and date, the cone of whed being accomplished, the other two to be void and of no ellicet.

|  | A. B. for self and C. D.) | ) |
| :---: | :---: | :---: |
| $\left.\begin{array}{l} \text { Signed, scalch, and delivered, where } \\ \text { no stamped paper is to be had, in } \\ \text { the presence of } \end{array}\right\} \text { I. } \mathbf{I} \text {. }$ |  |  |
|  |  |  |

In this bond the occasion of borrowing the money is not expressed, but the money was in reality borrowed to retit the ship, which, being on a voyage from Bengal to Loudon, was obliged to put back to Bombay to repair. (The Exeter, Whitford, 1 Rob. A. R. 176.) The occasion therefore of borrowing the money gave the leuder the security of the entire interest of the ship. But this bend,
althongh expressed to be executed by the master for himself and the other part-owner, would not bind the other part-owner personally, unless he had by o previcus deed authorised the master to execute such a bond for him. (Abbot On the Law of Shipping, purt iii. ch. i. s. 2.)

## II. Form of a Bottomry Bill.

'To all men to whom these presents shall come. I, A. B.. of Bengal, mariner, part-owner and master of the ship called the Li.veter, of the burden of live lundired toms and mpwards, now ridingr at anchor in Table Bay, at the Cupe of Good Hopr, send grecting:

Whereas I, the said $A$. B., part-owner and master of the aforesilid ship, called the Ereter, now in prosecution of a vosage from Bengal to the port of Loudon, having put into Table Bay for the parpose of procuring provisions and other supplies neerssary for the continuation and performance of the rovage aforesaid, ans at this time necessitated to take up upon the adventure of the said ship called the fixeter the sum of one thonsand puands sterling moncys of Great Britain, for setting the said ship, to sea, and furnishing her with provisions and necessarias for the said voyage. which sum C. D. ot the Cape of Good IIope, nas'or attemlant, hath nt my request Ient unto me, and supplied me with, at the rate of taelee hundrediond tacenty pounds sterling fer the satid one thousand pouncis, being at the rate of one humdred and tucontyturo pounds for every hundred pormds advanced is aforesaid, duri", the voyage of the suid ship from Table Bay to London. Now know ye, that. I, the said A. IS., by these presents, du, for me, me. executors and administrators, covenant and grant to and with the said C. I). that the said ship shatl, with the tirst convoy which shall oller for England after the date of these presents, sail and depart for the port of hondon, there to finish the voyage aloresaid. Aad l, the said A. B., in consideration of the sum of one thousand pounds sterling to me in hand paid by the said C. D. at and before the sealing and delivery of these presents, do herely thind myself, my heirs, executors, and alministrators, my gooils and chattels, amd particularly the stad ship, the tachle and apparel of the same, and also the freight of the said ship, which is or shall become dae for the aforesaid voyare trom Bengal to the port of Londom, to jay mito the stid C. D., his executors, administrators, or assigns, the sum of tuelve hundred and twenty pounds of hawinl liritish money, within thirty days next after the sufe arrival of the said ship at the port of London from the same intended voyage.

And I. the said A. I., do, for me, my exceutors and admaistrators, covenant and grant to and with the said C. D., his executors and administrators, by these preseats, that I, the said $A$. 1., at the time of sealing and delivering of these presents, am a true amd lawfin part-owner and master of the said ship, and lave power and authority to charge and engage the said ship with her freight as aforesaid, and that the said ship, with her freight, shall, at all times alter the said voyage, be liable and chargeable for the payment of the said tuelve hundred and twenty pounds, according to the true iutent and meaning of these presents.
Aud lastly, it is hereby declared and agreed ly and between the said parties to these presents, that in case the said ship shall be lost, misearry, or be east away before her arrival at the said port of London from the said intended voyage, that then the payment of the said tecolve hundred and tuconty pounds shall not be demanded, or be recoverable
by the saic or assigns, the loss th by tho said tors, and th aet, matter, part and be any thing $h$ withstandin?

## Witness, $\{$

BOUNTY.
Arts, to signit to the produce articles, or 10 trades.

## 1. Bonnties

 given in the ment of some are intended to is believed to neither case, ho In all old settle of individuals a new mndertakin tageons, withon and if a branch be really impor it will assuredl extent, withoutthe natural den
2. Bounties on It is enacted by merchant or exp back on groods c have been actai re-landed, and a any part of the Man (unless ent the islands of 1 cnacted, that if for a bounty or ported to parts lanted in any the islands of $F$ the islands of $($ or Man (not ha and slipped for goods shall be or ships employe and any person mealus such goo landed, or carric treble the value
3. Policy of tomary to grant various articles; is now very gene allowed that bot should be given commodities as them. luat it is in such cases, we to supply the for than they cost. he cannot dispos but they will fo
by the said C. D., his execntors, administrators, or assigns, but shall cease and determine, and the loss thereby be wholly borne and sustained by the said C. D., his exeentors and administrators, and that then and from thenceforth every act, matter, and thing herein mentioned on the part and belsalf of the said A. B. shall be void; any thing herein contained to the contrary notwithstanding.

In witness whereof tho parties have interchaugeably set their hands and seals to four bonds of this tenor and date, one of which being paid, the others to bo null and roinl.

At the Cupe of Good IIope, this 15th day of November, in the year of our Lord one thousand eight hundred and thirty.
$\left\{\begin{array}{l}\mathrm{E} . \mathrm{F} . \\ \hline\end{array}\right.$
Witness, $\{$
C. II.
I. K.
A. 3 .
( $\mathrm{L} . \mathrm{s} . \mathrm{s}$ )
IBOUNTY. A term used in Commerce and the Arts, to signify a premium paid by Government to the producers, exporters, or importers of certain artieles, or to those who employ ships in certain trades.

1. Bounties on Production are most commonly given in the view of encouraging the establishment of some new branch of industry; or they are intended to foster and extend a branch that is believed to be of paramount importance. In neither ease, however, is their utility very obvions. In all old settled and wealthy countries, numbers of inclividuals are always ready to embark in every new undertaking, if it promise to be really advantageous, without any stimulus from Government and if a branch of industry, already established, be really important and suitable for the country, it will assuredly be prosecuted to the necessary extent, without any encouragement other than the natural demand for its produce.
2. Bounties on Exportation and Importation.It is enacted by the 3 \& $4 \mathrm{Wm} . \mathrm{IV}$. e. 52 that a merchant or exporter claiming a bounty or drawback on groods exported must make oath that they have been actually exported, and have not been re-landed, and are not intended to be re-landed, in any part of the United Kingdom, or in the Isle of Man (unless entered for the Isle of Man), or in the islands of Faro or Ferro; and it is further enacted, that if any goods cleared to be experted for a bounty or drawback shall not be daly exported to parts beyond the seas, or shadl he relanded in any part of the United Kingdom, or in the islands of Faro or Ferre, or shall be carried to the islands of Guernsey, Jersey, Alderney, Sark, or Man (not laving bern duly entered, cleared, and shipped for exportation to such islands), such goods shall be forfeited, together with the ship or ships employed in re-landing or carrying them; and any person by whom or by whose orders or means such grods shall have been cleared, relanded, or carried, shall forfeit a sum equal to treble the value of such goods. (Secs. 87-95.)
3. Policy of Bounties.-It was formerly customary to grant bounties on the exportation of various articles; lunt the impolicy of such practice is now very generally admitted. It is universally allowed that bounties, if they be given at all, should be given only to the exporters of such commodities as could not be exported without them. But it is plain that, by granting a bounty in such cases, we really tax the public, in order to supply the foreigner with eommodities at less than they cost. A. has a pureel of goods which he cannot dispose of abroad for less than 110l.; but they will feteh only 1001, in the foreign
market; and he claims and gets a bounty of $10 l$. to enable him to export them. Such is the mode in which bounties on exportation uniformly operate; and to suppose that they can be a means of euriching the public, is equivalent to supposing that a shopkeeper may be enriched by selling his groods for less than they cost!
But however injurious to the state, it has been pretty gen rally supposed that bounties on exportation are advantageous to those who produce and export the articles on which they are paid. But the fact is not so, A trade that camot be carried on without the aid of a bounty must be a naturally disadvantageous one. Ilence, ly granting it, individuals are tempted to engage or continue in businesses which are necessarily very insecure, and are rarely capable of leeing rendered lucrative; at the same time that they are prevented, by trusting to the bounty, from making those exertions they naturally would have made, had they been odiged to depend entirely on superior skill and industry for the sale of their produce. The history of all businesses carried on in this comntry by the aid of bounties proves that they are hardly less disadvantageous to those engaged in them than to the public.

The truth of these remarks has been acknowledged by Government. The bounty on the exportation of corn was repenled in 1815 ; and the bountics on the exportation of linen and several other articles ceased in 1830.
4. Bounties on Shipping have principally been paid to the owners of vessels engaged in the tishery, and their inllaence will be treated of under Ilenning Fisueny and Wianie Fisilesex. [Dhawnack; Tamfr.]

BOX-WOOD (Ger. buchsbaumholz; Dutels, palmhout; Fr. buis; Ital. busso, bosso, bossolo). The wood of the box-tree (Burus sempervirens), growing wild in several places in Great Britain. This tree was greatly admired by the ancient Romans, and has been much cultivated i: modern times, on account of the tacility with $v$ aich it is fashioned into ditterent furms. IJox is a very valuable wood. It is of a yellowish colour, close-grained, very hari, and heavy ; it cuts better than any other wood, is susceptible of a very tine polish, and is very durable. In consequence, it is much used by turners, and mathematien and musical instrunent makers. It is too heavy for furniture. Fi is the only wood used by the engravers of wood-cuts for books; and provided due care be exercised, the number of impressions that may be taken from a box-wood cut is very great. In France, box-wood is extensively used for combs, knife-haudles, and button-monds; and sometimes, it has been said, as a substitute for hops in the manufacture of beer. The value of the box-wood sent from Spain to Paris is reported to amount to about 10,000 fr. : year. In 1815 the box-trees cut down on Boxhill, near Dorking in Surrey, produced upwards of 10,000 . They are now, however, become very scarce in England. Previously to 1837 the duty on box-wood was quite oppressive, being 51 , a tin if brought from a forcign country, and $\overline{\mathrm{L}}$. a ton if from a lritish possession; but it was then reduced to 10 s, a ton without reference to origrin, In 1841 this duty produced 55.1 ., showing that 1,108 tons bad been entered for eonsumption. In 18.t: the duty on box-wood fron a IBritish possession was reduced to 2 ls . $6 d$. a ton, and in 1845 it was repealed. 'lurkey box-wood sells in the London market for from 11. 10s. to $8 l$. IUs, a ton.

The export of box-wood from Constantinople in 186.4 umountal to nbout 7,000 tons, 3,000 of which were of large sizes: about 6,000 tons were sent to England, the remainder to Erance. In 1866 we
imported 4,166 tons, of which 4,055 were from Turkey. Considerable quantities of Circassian box-woon are shipped to Great ibritain through Constantinople. The average value of Turkish box-wood was, in 1866, 61.17 s .3 l . per ton. other box-wood 71. The Customs duty, which produced 301 ln 186.1, was abolished :n lebib. It is sabject in Turkey to an export duty of 4 per cent.

BRAN (Fr. son; (Ger. kleie). The thin skins or husks of corn, particularly wheat, ground, nud separated from the corn hy a sieve or boulter. Bram contains a large amount of metrogenous matter, and thour loses its nutritive priwer by the separation of bran, liran is also usec: in dyeing.

BRINDY (Ger. brantewein; Dateh, bradewyu; Fr. eau de vie, brandevin; ltal. aquarzente; Span. aguardiente; Port. aguardente; Russ. wino; Lat. vinum adustum). A spirituons and inflammable liquor, obtained by distillaton from wine and the husks of grapes. It is prepaed in most of the wine countries of Europe; but the superiority of French brandy is universally admitted. The latter is principally distilled at Lhorleanx, Rochelle, Cognae, the Isle de Mhé, Orlenus, Nantes, and in Yoiton, Touraine, and Anjou. That of Cognac is in the highest estimations.

Wines of all deseriptions, but chielly those that are strong and harsil (poussis), are used in the manufacture of brandy. The superior vintages, and those that have most llavone, are said to make the worst brandy, It is naturally clear and colourless. The diffirent shates of colour which it has in commerce arise partly from the casks in which it is kept, but chietly from the burnt sugar, samders wood, and other colouring matter intentionally adhed to it by the dealers. It is said that the burnt sugar gives mellowness to the flavour of the liquor, and renders it more palatable.
The art of destillation is believed to have been first discovered by the Arabians. From a passage in the Testrmentum Novissimum of the famons Raymond Lully, who flourished in the thirteenth century, it wonld appear that the production of brandy and alcohol from wine was familiar to his contemporaries. (1'. 2, edit, Argent. 1571.) 13ut the practice does not appear to have been introduced into France till 1313. (Le Grand d'Aussi, Vie privée de F'rmonois, t. iii. p. 64.) When first introhtuced, brandy or burnt wine (vinum adustam) appears to lave ben used principally as nu antiseptie and restorative medicine; and the most ext ravagant panegyrics were bestoweit on its virtues. It was described as a sovereign remedy in almost ail the disorders of the human frame; it was commended for its eflicacy in comforting the memory. and strengtheniug the reasoning powers: it was extolled, in short, as the elixir of life. and an infallible preservative of youth nad beauty! (Henderson's History of Wine, p. 24.) Dr. II enderson says that the experience of later times has shown how little this culogy was merited; but in this he is contradieted by lurke, who maintains, with 'qual eloquenen and ingemite, that 'the alembic has been a vast be refit and blessing.' (Thoughts an! Details on Scarrity, p. 4i.)
Dutics on Brumly.-lil a former celition of this work we remarked on this subject as follows, viz. : 'In nothing, perhaps, has the injuricus operation of oppressive duties been so strikingly exemplified as in the ease of brandy. At the latter oud of tho 17 th century, when the duty on brandy did not execed 91. a tun, the imports into Furgand amounted to about 6,000 tuns, or $1,512,000 \mathrm{gal}-$ lons (listorical and Political Remarks on the Tari(f of the late Treaty, 1786, p. 1i3); whereas nt present, notwithstanding our vast increase in
weaith and nopulation sinec the period referred to, we do not iapurt so much brandy as we dill then. Nor is this extrardinary circunistance to be ascribed to any preference on the part of the pulbic to other beverages, but is wholly owing to the exorbitant duties with which brimdy is londed. The price of brandy in bond varies, at this mosment, accorling to quality, from 4s. to 6s. a gallon (imperial measure), whi.e the duty is no less than 22 s . 10 t . Had the imposition of such a duty taken away the thste for brandy, it would have been emparatively innochous, But it has done no such thing. lts only effect has been to convert a trade, that might otherwise have been productive of the most advantageons results, into a most prolific so rese of crime and demoralisation. The temptation to smuggle, oceasionel ty the exorbitnncy of the duty, is ton overpowering to be counteracted by the utmost penalties of the law. All along the coasts of Kent and Sussex, and the districts most favourably situated for ruming spirits, almost the whole of the labouring population are every now and then withlrawn from their corlinary employments to engage in smuggling adventures. The efforts of the revenue officers to seize foroign brandy and geneva have in inmumerable instances been repelled by force. Bloody and desperate contests have in consequence taken place. Many individuals who, but for this tiscal scourge, would have been industrious and virtuons, have become idle, predatory, nud ferocious; they have learned to despise the law, to exerate summary vengeance oul its officers; and are influenced by a spirit that has been, and may be, turued to the most dangerous purposes.
' Neither can it be truly said that this miserabls system is upheld for the sake of revenue. On the contrary, it is easy to show that, besides the other mischicrous effects it entails on the public, it ocensions the loss of at lenst $1,000,000$. a-y'ear. In 1786, Mr. P'itt, by a wise and politic measure. took 50 per ecut. from the duty on brandy nand geneva (the duty on the latter has been for a lengthened period the same ns that on braudy) ; and instead of being diminished, the reveme was incrensed. In 1790, when the futy on brandy and gene:.. vas 5 , the wine gallon, the quantity retained for home consumption was $2,225,590$ gailons. During the 3 years ending with 1803, when the duty was 9 s . 2d., the quantities of brandy ami geneva retained for home consumption nuomeded, at nn average, to about $2,700,000$ gallons; but during the 3 years ending with 1818, when the duty had been increased to 18 s . 10d the wine galion, the quantities retained did not exceed 850,000 gallons, while the quantities actually entered for bome consumption were mueh less! The consumption increased considerably between 1818 and $18 \% 2$; but since the latter epoch it has remainer nearly stationary ; and, notwithstanding the great increase of wealth and population in the interval, is not nearly so grent now (1843) as it was half a century ngo! Nothing, therefore, can be more palpably crroncous than to contend that the revenue is improved by the present system. Have we not seen the revenue derived from collie trebled by reducing the duty from 1 s . 7 d . to tid.? Have we not seen the revenue derived from British spirits greatly increased by reducing the duty from 5s. 6d. to ${ }^{5}$ : : : rire gallon? And where
 be diffesent wite the thues on brandy equally reluced: D.t the exprne ee a Forded by Mr Pitt's measure ${ }^{2} .176$, in loch ive as to this point. Ite ty adruplea the consum mis:a the ancreased the rcesnue by taking : ly. 1 f , m the duty when it was a good deal less "prossive than now? Wero
a similar rei doubt that gling and a our trade w tealed; and by a direct ir great diminı
' But the brandy in I diuary. At with 1802, w fallon, the a in Ireland am a nett revenu quence of tre during the 3 standing the only amounte producing ab Swift has shr metic of the c make four, but have threefold revenue, and 1
'It is surely crincing in ev pacity, to be pa who to get at tl permitted for a ulur fiscal code. continuance of: crime and miser the duty on bra neither the cons of rum wouid b classes woul l, hi occasions when, nothing; its cli prevented; those obliged to have and the manufant that are now so $f$ would be put an
At length, in reduced by Sir R a gallon. But t equal to some o same great minis they were less ned much importane shows that the i occasioned has revemue; for the and duties in 185 quence of the sca occasioned by the on brandy was This change equa British spirits.
Notwithstandin since 1858 , the pri high. And hend brandy, and of o pounds, for the gel Regulntions as genera, and other $f$ if in casks, in cas gallons, under pen be imported in ship and are not to be house except in ay of forfeiture.
In Parl. Paper that in 1862 847, were permitted fr 706,356 gallons in
a similar reduction made at present, does any one doubt that a similar result woutd follow? Smuggling and adulteration would immediately cease ; our trade with France would be very greatly extended; and the revenue would gain not merely by a direct increase of duty, but indirectly by a very great diminution of the expense of collection.
' 13 ut the eficet of tho increase of the dutics on hrandy in Ireland has been still more extraordinary. At an average of the 3 years ending with 1802 , when the duty was $7 s .37 d$. the winc frallon, the average annual consumption of brandy in Ircland amounted to 208,064 gallons, produciug a nett revenue of 77,7141 . Now, mark the consequence of trebling the duties. The consumption during the 3 years anding with 1842, notwithstanding the population is more than doubled, only amounted, at an average, to 15,399 gallons, proilucing about 17,560l, a-year revenue! Dr. Swift has shrewdly remarked, that in the arithmetic of the customs two and two do not always make four, laut sometimes only one. But here we have threefold duties, with less than $\frac{1}{4}$ of the revenue, and less than $\frac{1}{14}$ of the consumption.
' It is surely impossible that a system like this, evincing in every part a degree of ignorant rapacity, to be paraileled only by that of the savages who to get at the fruit eut down the tree, should be permitted for a much longer periol to disgrace our fiscal code. Those only who are anxious for the continuance of smuggling, with all its consequent crime and misery, can be hostile to a reduction of the duty on brandy. By fixing it at 10 s. a gallon, neither the consumption of British spirits nor that of rum wouid be sensibly affected. The middle classes woull, however, be able to use brandy on occasions when, perhaps, at present, they use nothing; its elandestine importation would be prevented; those engaged in smuggling would be obliged to have recourse to industrious pursuits; and the manufacture of the abominable compounds, that are now so frequently substituted in ats stead, would be pat an end to.

At length, in 1816, the duties on brandy were reduced by Sir Robert Peel from 22s. 10d. to 15s. a gallon. But though considerable, this was not equal to some of the reductions effected by the same great minister in eases in which, perhaps, they were less necessary. It was, nevertheless, of much importance; and the suljoined account shows that the increased consumption which it oceasioned has prevented any dimizution of revenue; for the falling off in the consumption and duties in 1857 and 1858 was wholly a consequence of the scarcity and high price of brandy, oceasioned by the vine discase. In 1860 the duty on brandy was fixed nt 10s. Fd. per gallon. This clange equalised the duty on foreign and British spirits.
Notwithstanding the improvement in the vintage since 1858, the price of brandy is still (1868) very ligh. And hence the substitution of British brandy, and of other more objectionable compounds, for the gemuine article.
Regulations as to Importation \&o.- Brandy, geneva, and other foreign spirits must be imported, if in casks, in casks containing not less than 20 gallons, under penalty of forfeiturc. They must be imported in ships of 50 tons burden or upwards, and are not to be exported from a bonded warehouse except in a vessel of like tonnage under pain of forfeiture.
In Parl. Paper No. 400, Sept. 1864, it is stated that in 1862847,035 gallons of British brandy were permitted from the rectifiers' stocks, and 706,356 gallons in 1863; 61,258 being permitted in the latter year for exportation:

An Account of the Number of Gallons (Imperial Measure) of Foreign Brandy retained for Hume Consumption in the United Kingdom, the Rates of Duty affecting the samc, and the entire nett Produce of the Duty, each Year since 1814 (obtained from the Custom House).

| Years | Quantities entured fior Home Con sumption | Nett Proluce of Duty | Hates of Duty ver Imperial Gallon |  |
| :---: | :---: | :---: | :---: | :---: |
|  | United Kingilom | United Kingetorn | Great lirtain | Ireland |
| 1814 | $\operatorname{mop}_{\substack{0}}$ |  | $\begin{array}{lll}1 & 8 \\ 1 & 4 & 6 \\ \end{array}$ | (lat |
| $1 \times 15$ <br> $1 \times 16$ | 661,715 | 715,149 |  |  |
| $1 \times 17$ |  | 719,488 |  |  |
| 1818 1819 | 37\% 815 | 6,14, 473 |  |  |
| +1819 | 794,602 | 8, 896, 1.59 | 124 | - |
| ${ }^{1 \times 21}$ | 920, 631 | 1,039,511 | 二 |  |
| 1 $1 \times 2.7$ | 10,008,915 |  | 二 | 1728 |
| 1884 | 1, ${ }^{2427}$ | , | - |  |
| ${ }_{\substack{1 \times 24 \\ 1 \times 27}}$ | 1,440,6i14 |  | $1 \overline{2} 6$ | 156 |
| ${ }_{\substack{1 \times 27 \\ 1 \times 29}}$ | 1,30, $1 \times 38$ |  | - |  |
| 1826 18.37 18 | \% M9, ${ }^{\text {a }}$ | 1, 470,431 | - |  |
| 18:1 | 1, $2 \times 35,101$ | 1-54, 167 | - |  |
| ${ }_{183}^{183}$ | 1,610, 6.512 | 1,801,460 |  |  |
| ${ }_{1 \times, 4}^{18.3}$ | 3,3/3.417 | 1,926,515 | - |  |
| $1 \mathrm{s.35}$ | 1,314,913 | 1,476,511 | - |  |
| ${ }_{1 \times 37}^{1 \times 36}$ | 1,45, 1 | 1,13,77, | - |  |
| 18,38 | 1,203,433 | 1,35, 0,614 |  |  |
| 1859 | 1,167, 236 | 1,3103,100 | (before May 16 | 2 |
| 1840 | 1,108,578 | 1,2:9,527 | $\left\{\begin{array}{cc}1 \\ 1 & \\ \text { after } \\ 1 \\ 1 & 2 \\ 1 & 10\end{array}{ }^{16}{ }^{16}\right.$ | 126 <br> 1210 <br> -810 |
| 1811 | 1,161.506 | 1,729,083 |  |  |
| 1842 18.3 1815 | 1,082,969 |  | 1210 | $-^{210}$ |
| 1844 | 1,023, ${ }^{1}$ | 1,167, 17 |  |  |
| 1845 | 1,058,274 | 1,203,161 | (unt11 :7ar. ${ }^{18}$ | 210 |
| 1816 | 1,51.1,463 | 1,165,016 | $\left\{\begin{array}{ccc} 1 & 2 & 10 \\ \left\{\begin{array}{crc} M 1 & 10 \\ 0 & 15 & 0 \end{array}\right\} \end{array}\right\}$ | 0150 |
| ${ }_{\substack{1817 \\ 1818}}^{181}$ | 1,5,3,938 | 1,157.738 | , |  |
| 1819 1850 185 |  | 1,639,173 | - |  |
| (1850 | 1, $1,660,0099$ | $1,395,110$ $1,993, h f i z$ | - |  |
| 18i\% | 1, 1.1095 | 1,412,682 | - |  |
| ${ }_{185} 18$ |  | 1,412,00888 | - |  |
| 18.5 | 1,525,5,578 | 2,143,365 | - |  |
| 18,36 157 157 | li, |  | - | = |
| $1 \times 38$ | 1,117, 1 ,998 | 829,849 |  |  |
| 1859 | 2,303, 369 | 980,333 | (March6,1860) | 86 |
| 1560 | 1,461,552 | .721,476 | $\left\{\begin{array}{ccc}\text { Juiy } & 19 & 6 \\ 0 & 10 & 1860\end{array}\right\}$ | $010 \quad 5$ |
| ${ }_{\substack{1861 \\ 1 \times 62}}^{181}$ | 1,599,270 | $8.3,312$ 885,410 |  |  |
| 186.3 | 1,9414,497 | ${ }_{88,057}^{88,070}$ |  |  |
|  | $2,312,-96$ $2,665,2 \times 5$ | $1,205,68$ $1,588,73$ |  |  |
| $1 \times 16$ | 3, | 1,64,6.79 |  |  |

BRASS (Ger. messing; Duch, messing, missing, geclkoper; Fr. cuisre jaune, laiton; Ital. ottone; Span. laton, nzofar; Kuss. sclenoi mjed; Lat. orichaleum, aurichalcum). A factitious metal, made of copper and ziuc in certain proportions. It is of a beantiful yollow colour, more fusible than copper, and not so apt to tarnish. It is mallcable, so dnctile that it may be drawn out into wire, and is much tougher than eopper. Its density is greater than the mean density of the two metals. By calculation it ought to be $7 \cdot 63$ nearly, whereas it is netually $8: 39$; so that its density is increased by about ouic tenth. The ancients do not seem to have known accurately the difference between copper, brass, and brunze. They considered brass as on'y a more valuable kind of copper, and therefore used the werl as to denote either. They ealleal copper $\alpha s$ cyprium, afterwards cyprium; and this in process of time was converted into cuprum. Dr. Watson has proved that it was to brass they gave the name ef orichaleum. Brass is malleable when cold, unless the proportion of zine be excessive ; but when heated it becomes brittle. It
may be readily turned upon the lathe; and, indeed, works more kindly than any other metal.

There is a vast varicty in the proportions of the diflerent species of hrass used in commerce; nor is it easy to determine whether the perfection of this alloy depends on any certain propertions of the two metals. In general, the extremes of the highest and lowest proportions of zine are from 12 to 25 parts in the 100 . In some of the British manufictories, the brass made contains one third its weight of zinc. In Germany and Sweden the proportion of zine varies from one fifth to one fourth of the copper. The ductility of brass is not injured when the proportion of zinc is highest This metal is much used in the escapement wheels and other nicer parts of watch-making; and bars of lorass, very carefully made, fetel for this purpose a high price.

The use of brass is of very considerable antiquity. Most of the ancient genuine relics are composed of various mixtures of brass with tin and other metnls, and are rather to be denominated bronzes. The best proportion for brass guns is said to be $1,000 \mathrm{lbs}$ of copper, 990 lbs of tin, and 600 lbs of brass, in 11 or 12 cwt. of metal. The best brass guns are made of malleable metal, not of pure copper and zine aloue; but worse metals are used to make it run eloser and sounder, as lead and pot-metal. (Thomson's Chemistry; Ency. Britamica; \&e.)
The ceonomical use of brass is largely increasing. It is employed for a great variety of merianical purposes, and in the tine arts, no meta having been found so availnble for these uses. It weald be impossible in the compass of this article to refer to all the ends which this important metal fulfits. But the reader may be referred tos the exhaustive and valunblo nccount of the braws manuficture in Iirmingham, written by Mre Aitken, and contaned in the volume entitled The Resmerees, Products, and Inelustrial History of Birmingham and the Midland Hardvare Distrumte

The amount of the metals used in the Birmineham brass mannfactories during the year 1805 is reekoned by this writer at upwards of 38,000 teas, the value being $2,371,6581$.
There are various kinds of brass, known as pinctibeck, prince's metal, bath metal, red brass, Dutch gold, Muntz's yellow metal, and malleable brass; the difference depending on the various proportiens of copper and ziuc. An alloy of brass with phosphorus is said to have valuable properties.
mhAZIL NUTS (Ger. pechurinnulse ; Dutel, brezilie or forlic nooten; Swed. macis bünor, piccorin bünor; Dan. pechurim nodder, macis bönner; l'r. noix péchurins; Ital. fava bucari, noei gemelle; Span. becuiba; Port. pucharins) or Chestmuts of Brazil. The fruit of the Juvia (Bertholletia pxcelsa), a majestic tree growing to the height of 100 or 120 feet, abounding on the bauks of the Orinoco, and in the morthern parts of Brazil. The nuts are triangular, baving a cunciform appearance, with sutures at each of the angles; the shell it rough and hard, and of a brownish ash colour. The kernel resembles that of an almond, but is larger, and tastes more like a common hazel nut; it contains a grent deal of oil that may be obtained by expression or otherwise. 'I'hese nuts to not grow separately, or in clisters, but are contained, to the number of from 15 to 50 or more, in great higneous pericarps or outer shells, generally of the size of a child's head. Humboldt says he had most frequently found from 15 to 22 nuts in each pericarp; but Do Laet, who gave the first and most accurate description of this fruit, says that the pericarp is divided into
six compartments, each of which encloses from 8 to 12 nuts. 'I is outer shell is very hard and strong, so that is rather difficult to get at the nuts, which ar "losely packed in ectls ituside. The natives are particularly fond of this fruit, and celebrato the iarvest of the juvia with rejoieings; it is also very much esteemed in Europe. The nuts brought to this country and the Continent are chictly exported from Pará, and form an article of considerable commercial importance. (Hunboldt's Pers. Nar. vol. v. p. 538, English translation.)
The fluctuations in the export from Pará of Brazil nuts ure very considerable: between $18: 5$ and 1856 the maximum and miximum amennts were 92,000 and 19,000 alquiemas. Ara alguicre of Brazil nuts varies in weight ifnow 60 to 80 lhss . avoir., necorling to the season ward goodness of the nuts. They are principally exported to the United States and to Great Briwam, the larcer fortion to the former country. The price varies considerably, being oecasionally as inw as 1.740 m . reis and as high as $\overline{\mathrm{B}}$ AMA) ni. reis per alquiere. The imports into the Uauted Kingdven are not specified in the retarns of trade. Price in London market, ()ctober 26, 1865 and 1866, 3.1s to 353 s , uml 12n. to tiss. per barrel.
BRAZ1L-WOOD (Fr. boís de Brésil; Ger. Brasilienluilz ; Dutch. Brasilienikut ; Ital. Lagro del Brasileverraino; Span, maderadd Bresil ; Port. pao Brasil). It has been commonly supposell that this wood derived ies name from the conntry in which it is principully produreed. But Dr. Bancroft has conclusively shown that woods yielding a red dy-were called Brazil-wcomeds long previously to , the discovery of America ; and that the early voyagers gave the name of Brazil to that part of that contiment to which it is still applied, from their having ascertained that it abounded in such woods. (Philomophy of Colours, vol. ii. pp. 316-3 31 1.)
It is found in the greatest abundance, and is of the best quality, in the province of Pernambico, where it is ealled Pao da rainha, or Queen's wood; but it is also found in many other parts of the Western hemisphere. The tree is large, erooked, and knotty ; the leaves are of a beantiful red, and exhale an agreable odour. Its botanical name is Cesalpimia brasiletto, but it is called by the natives ibiripitanga. Notwithstanding its apparent hulk, the bark is so thick that a tree an large as a man's body with the bark will not be sen thick as the ler whea peeled. When cut inte chips it loses the pale colour it before had, and becomes red, and when chewed has a sweet taste. It is used for various purjoses by cabinct-makers. and almits of a beautiful vurnish, but its principal use is in dyeing red; and though the colonr is liable to decay, yet, by mixing with it alum and tartar, it is easily made permanent. There is also made of it, by means of acids, a sort of liquid lake or carmine fo: painting in miniature.

Brazil-wood has been for many years paat a rcyal monopely; its exportation, except on account of Govermment, being prohibited under thie severest penalties. Owing to the improvident manner in which it has been cut down by the Government agents, it is urw rarely found within several leagues of the coast. Indeed, we are assured that many of the plantens have privately cut down the trees on their estates, and used the timber as firc-wood, that they might not expose themselves to annoyance from the arbitrary and vexatious proceedings of timse functionaries. The quantity of Brazil wood imported into this country is incoasiderable. It 3 price in the London market is abont 301. per ton. In 1866, 1,201 tons were imported, ehiefly from Venezuela and Measico. (Dr. Bancroft in loc. like the Greek intermixing the beerme stale. sinperseded that France and Spu an ndmixture of in moders time: teenth ceutury. though the breat superior to that by the faculty 0 dicial to health hibited mader $t$ however, the ta the inturest of $t$ these absurd reg disuse; and yea where, used in $p$, mamufature of exallente of wh
The species of depends partly but more on the But the saperior cons planta in very great, that fully cultivated, nearly total exe however, the soil its growth, rye, of very great chan respect, taken pla last century. it desescription of Im of Heury V1II, th therir uwn taibles, neighbours were " selves with rye, bu

## BRAZILETTO

BREAD
cit. : Encyc. Metrop, ; Modern Traveller, vol. xxix. P. 87 ; Malte Brun, vol. v. p. 525, ling. ed.; \&c.)

MR:VILLE'L'O. An inferior species of Irazil wool brought from Jamaica. It is one of the cheapest and least estecmed of the real dyewools,

13RlíAD (l'r. pain; (ier, brot), the principal article in the food of most civilised nations, consists of n pasto or clough formed of the llour or meal of different worts of grain mixed with water and baked. When stale dourh or yeast is ndded to the fresh dough, to make it swell, it is said to be leurened; when nothing of this sort is alded, it is suid to be unleavened.

For the process of bread-making, we refer the reater to Ure's Dietionary of Manufactures.

1. Historical Sketch of Bread.-The l'resident de (ioghet lins enifeavoured, with his usual sagacity and learning, to trace the successive steps by which it is probable men were led to discover the art of making breall (Origin of Laws $\${ }^{\circ} \mathrm{c}$. vol. i. pp. $95-105$. ling. (rans.); but nothing positive is known on the subject. The rnethot of grinding corn by hand-mills was practised in Egypt and (irecee from a very remote epoch; but lor a lengthened periol the Romans had no other method of making thour than by beating roasted corn in mortars. The Macedonian war helped to make the Romans aepuainted with the arts anh refinements of Greece; and Pliny mentions that public bakers were then, for the first time, established in Rome (Hist. Nat. lib. xviii. c. 11.) The conquests of the Rounus iliffused, amongst many other useful niseoveries, a knowledge of the art of preparing bread, as practised in Rome, through the whole soutli of Europe.

The use of yeast in the raising of bread seems, however, from a passage of Pling (lib, xviii. c. 7 ), to have been practised by the Germans and Gauls before it was practisel by the Romana; the latter, like the Greeks, having leavened their bread by intermixing the fresh dough with that which had beeome stale. 'The Roman practies scems to have supersethed that which was previcusly in use in France and spain; for the art of raming bread by an admixture of yeast was not practined in France in modern times till towards the end of the seventecuth century. It deserves to be mentioned, that thangh the bread made in this way was decidedly superior to that previously in use, it was deelared, by the faculty of medicine in Paris, to be prejudicial to health; and the use of yeast was prohibited under the severest penalties! Luekily, howerer, the taste of the public concurring with the interest of the bakers, proved too powerful for thuse absurd regulations, which fell gradually into disuse; and yeast has long been, almost every where, used it preference to any thing else in the manuftueture of bread, to the wholesomeness and exerllence of which it has not a litule contribited.

The species of breal in common use in a eountry depends partly on the taste of the inhabitants, but more on the sort of grain suitable for its soil. But the soperiority of what to all other farimaconus plantio in the manufacture of brend is so very sreat, that wherever it is easily ant successfully cultivaterl, wheaten bread is used to the nearly total exclusion of most orhers. Where, howeser, the soil or elimate is less favourable to its growth, rye, oate de. are used in its stead. A rery gront change for the better has, in this respect, taken place in Great Britain within the list century. It is mentioned by Itarrison, in his description of England (p. I6א), that in the reign of Ileary V III. the gentry had wheat sutheient for their own tables, but that their household and poor neighbours were usually obliged to content lbemBelves with rye, barley, and oats. It appears from
the houschold book of Sir Edward Coke, that, in 1596, rye bread and oatmeal furmed a considerable part of the diet of servants, even in great fainilies, in the southern counties. llarley bread is stated, in the grant of a moaopoly by Charles I. in 1626, to be the usual tood of the ordinary sort of people. (Sir F. M. Eden Or, the Poor, vol. i. p. 561.) At the Revolution, the wheat proluced in England and Wales was estimated by Mr. King and Dr. Davenant to amount to $1,750,000$ quarters. (Daveuant's Works, vol. ii. p. 217.) Mr. Charles Smith, the very well infurmed author of the 'Iracts on the Corn 'Trade, originally published in 1758 , states that in his time wheat had become much more generally the food ol the common people than it had been in 1689 ; but he adds (2nd ed. p. 182, London, 1766 ) that notwithstanding this increase, some very intelligent enquirers were of opinion that even then not more than half the people of England fed on wheat. Mr. Smith's own estimntn, which is very carefully drawn up, is a little higher; for, taking the popuIation of England and Wales, in 1760, at 6,000,000, he supposed that $3,750,000$ were consumers of whent; 739,000 of barley; 888,000 of rye; and 62:3,000 of outs. Mr. Smith liurther supposed that they individually consumed, the lirst elass, 1 guarter of whent; the second, 1 quarter and 3 bushels of barley; the third, 1 quarter and 1 bushel of rye; and the fourth, 2 quarters and 7 bushels of outs.

About the niddle of last century hardly any wheat was used in the northern counties of England. In Cumberland, the principal families used only a small quantity about Christmas. 'The crust of the goose pie, with which almost every table in the county is then supplied, was, at the period referred to, almost uniformly made of barley meal. (Eden On the Poor, vol. i. p. 564.)
liveryone knows how inapplicable these statements are to the condition of the people of Exgland at the present time. Wheaten bread is now universally made use of in towns and villages, and almost every where in the country. Harley is no longer used, except in the distilleries, and in brewing; oats are employed only in the feeding of horses; and the consumption of rye bread is comparatively inconsiderable. The produce of the wheat crops has been, at the very least, quadrupted since 1760. And if to this immense increase in the supply of wheat we add the still more extraordinary increase in the supply of buteher's meat [Cartie], the fact of a very sigual improvenent having taken place in the contition of the population, in respect of food, will be obvious.

But great as has been the improvement in the condition of the people of lingland since 1760, it is but tritling compared to the improvement that has taken place, since the same period, in the condition of the people of scotland. At the middle of last century Scotch agriculture was in the most depressed state; the teaants were destitute alike of capital and skill; green crops were almost wholly unknown; and the quantity of wheat raised was quite inconsiderable. A ticld of 8 acres sown withothis grain, in the vicinity of Edinburgh, in 1727 , was reckoned so great a curiosity that it excited the attention of the whole nelghbnurhood! (Robertson's Rural Recolleetions, p. 267.) But even so late as the Aherican war, the wheat raised in the Lathanas and lemwickshire did not exceed a third furt of what is now grown :.....em; and taking the whole country at au avarare, it will be a moderate estimate to say that the cultivation of whent has increased in a tenfold proportion since 1780 . At
that period no wheaten becad was to be met with in the conntry places and villages of Scotland; out cakes and barley bannooks being univer:ally made use of. But at present the case is widely different. The upper and also the middle and lower elasses in towns and villages use only wheaten bread, and even in farmhouses it is very exteusively consumed. There is, at this moment, hardiy a village to be met with, however limited its extent, that has not a public baker.

In many parts of lagland it is yet the custom for private families to bake their own bread. This is particularly the easo in Kent, and in some parts of Lancashire. In 1804 there was not a single pulilic baker in Manchester, aud their number is still small.
2. Regulations as to the Manufacture of Bread. -Owing to the vast importance of bread, its manufacture has been subjected in most countries to varions regulations, some of which have had a beneficial and others an injurious operation.
a. Assize of Bread.- From the year 1266, in the reign of Ilenry III., down to our own days, it has been customary to regulate the price at which bread should be sold according to the price of wheat or llour at the time. Au interference of this sort was supposed to be necessary to prevent that monopoly on the part of the bakers which it was feared might utherwise take place. But it is needless, perhaps, to say that this appreliension was of the most futile description. The trade of a baker is one that may be easilv learned, and it requires no eonsiderable eapital to carry it on; so that were those engaged in the business in any particular town to attempt to forec up prices to an artiticial elevation, the combination would be immediately defeated by the competition of others; and even though this were not the case, the facility with which bread may be baked at home would of itself serve to nullify the eflorts of any combioation. But the assize rerulations were not merely useless; they were in many respects exceedingly injurious: they rendered the price of flour a matter of comparative inalifference to the baker; and they obliced the baker who used the finest tlour, and made the best bread, to seld at the same rate as those who used inferior ilour, and whose bread was decidedly of a worse quality. But these considerations, how obvious soever they may now appear, were for a long time entirely overlooked. According. however, as the use of wheaten bread was extended, it was found to be impracticable to set assizes in small towns and villages; and, although the fewness of the bakers in such places gave them greater facilities for combining together, the price of bread was almost uniformly lower in them than in places where assizes were set. In consequence, partly of this cireumstance, but still more of the increase of intelligence as to such matters, the practice of ectting an assize was gradually relinquished in most places; and in 1815 it was expressly abolished, by an Act of the legislature (5j) (ieo. 111. c. 99), in loudon and its environs. In other places, though the power to set an assize still subsists, it is seldom aeted upon, and has fallen into comparative disuse.
b. Regulations as to the: Weight, and Ingredients to be used in making Iread.-According to the assize Acts, a sack of thour weighing 280 lbs. is supposed capable of being baked into 80 quartern loaves; one-tifth of the loaf being supposed to consist of water and salt, and four-tifths of tlour. But the number of loaves that may be made from a sack of flour depends entirely on its goodness. Good flour requires more water than bad tlour, and old flour than new flour. Sometimes 82, 83,
and even 86 loaves have been made from a sack of flour, and sometimes hardly 80.

Under the assize Acts, bakers were restricted to bake only threo kinds of bread, viz. wheaten, standard wheaten, and houschold: the turst being made of the finest flour, the seoond of the whole flour mixed, and tho third of the coarser flour. The loaves were divided into peek, half-pock, and quartern loaves; the legal weight of earh, when baked, being, the preck loaf $17 \mathrm{Ibs}, 6$ oz, the half-peck 8 lbs . 11 oz., and the quartern 4 lbs . 5h oz, nvoirdupois.

Now, however, it is enactel, that, withiu the city of London, and in those places in the comntry where an assize is not set, it shall be lawful for the bakers to make and sell bread made of wheat, barley, rye, onts, buckwheat, Indian corn, peas, beans, rice, or potatocs, or uny of them, along with common salt, pure water, eggs, milk, barm, leaven, potato, or other yeast, and mired in such proportions as they shall think fit. (3 Geo. IV. c. $106 \mathrm{~s}, 2$, and 1 \& 2 Gco. IV. c. 50 s. 2.)

It is also eascted by the same statutes that bakers in London, and in the country, i.e. in all places 10 miles from the loyal lixchange where an assize is not set, may make and sell bread of such ucight and size as they think fit, any law or assize to the contrary notwithstanding. But it is at the same timo enacted that such bread shall always be sold by ayoirdupois weight of 16 ounces to the pound, and in no other manner, under a penalty for every offence of not more than 40s., except, however, lirencli or fancy breail, or roll, which may be sold withont previously weighingg the same.
lakers or sellers of bread are bound to have fixed, in some conspicuous part of their shop, a beam and scales, with proper wejghts for weighing bread: and a person purchasing bread may require it to be weighed in his presence. Bakers, and others sending out bread in carts, are to supply them with beams, seales \&e., and to weigh the breal if required, under a penalty of not more than 5l. (3 Gco. IV. c. 106 s. 8.)

Bakers, either journeymen or masters, using alum or any other unwholesome ingredient, and convicted on their own confession, or on the oath of one or more witnesses, to forfeit not exceeding 201. and not less than $5 l$, if beyond the environs of Loudon, and not exceeding 10l. nor less than $5 l$. if within London or its environs. Justices are allowed to publish the names of offenders. The adulteration of meal or flour is punishable by a like penalty. Loaves made of any other grain than wheat without the City and its liberties, or beyond 10 miles of the Royal Exchange, to be marked with a large lioman M. ; and every person exposing such loaves without such mark sliall forfeit not more than 40 s . nor less than 10 s . for every loaf so exposed. (I \& 2 Geo. IV. c. 50 s. 6.)
Any ingredient or mixture found within the house, mill, stall, shop \&e. of any miller, mealman, or baker, which, after tue examination, shall be adjuilged to have been placed there for the purpose of adulteration, shall be forfeited, and the person within whose premises it is found punished, if within the city of London and its environs, by a penalty not exceeding $10 l$. nor less than 40 s . for the first offence, $5 l$. for the second offence, and 107. for every subsequent offence. (3 Geo. IV. c. 106 s. l4.) And if without London and its environs, the party in whose loouse or premises ingredicats for adulteration shall be found shall forfeit for every such offence not less than $0 /$, and not more that 20l. (1 \& 2 Geo. IV. c. 5 8.8.)
Bakers in London and its eavirons are not to sell, or expose to sale, any bread, rolls, or cakes,
nor hake or or victuals of $t$ the hours of afternown, und 20 s , for the see seguent oflence
liakers in th ing \&c. any any meat sc. past 1 o'clock ring the timo 5s. fur the first 20s. for the th (5) (ico. IV. e. There are sev furce with respe all assizo is set. assize is nearly to recapitulnte oread has alread ple on which its

Notwithastandi of alam, it is 4 ployed, particula the metropolis,' Enayc. Brit. art. of bread is estio it is usual with t an inferior qualit mon salt to the puantity of salt a deticiency supplic This improves the much whiter and
I'he consus ret munber of 'haker The trace which limited, and it is r ous line of busines Brett-making i breal was, and tl l'rance. The Gove rrice, but this wis mume, in Paris to privilege of the m a law of July 17 ? rangements, the 1 variety of regulati number was limiter unly 1,601 , aind the tion. It is said that populace in good 1 pielted to sell bread their loss beines rein or communal reven

Table shouring the yranume in Centil
Bread at Paris

| Years | Jraces Years |  |
| :---: | :---: | :---: |
|  | cents. |  |
| ${ }_{18} 1801$ | 32.61 | 1816 |
| 1803 | 4 | 1417 |
| 18101 | 8.3 .96 | 1818 |
| 1015 | \% $6 \cdot 10 \cdot 4$ | 1819 |
| 1805 | 29.82 | 1820 |
| $1 \times 07$ | $30 \cdot 2.3$ | 18\%2 |
| 18108 | $22^{6} \cdot 19$ | 154.5 |
| ${ }_{\text {18in }}$ | 2 4.73 | 1881 |
| 1810 | 24.15 | 18:5 |
| 1811 1812 |  | 1886 |
| 181.3 | 398 | 1827 $1 \times 28$ |
| $1 \times 11$ | 29 21 | 1828 1889 |
| 1815 | 24:9 | 18.30 |

The regulations aff taken away by a de the decree says noth was conferred on th ter of Agriculture, ho

## BREAD

BREMEN
nor hake or deliver any meat，pudding．ple，tart，｜August 22，1863，suggesting to the mayor to sus－ or vietuals of any sori，ou simdays，except hetween the hours of nine in the mornmig nud one in the afternoon，under penalty of 10 s ，for the first offence， 20 s ．for the second offence，and 40 s ．for every sub－ sequent offence．（3 Geo．IV．c． 106 s．16．）
liakers in the country are prohibited from sell－ ing de，any bread die，or baking or detivering nuy ment de．on Sundays any time after half pust 1 oclock of the afternown of that day，or du－ ring the timo of Divine service，ander penalty of 5 s ．for the first offence， 10 s ，for the secomp，and 26s．for the third and every subsequent ollence． （59）（1eo．1V．с． 36 s．12．）
＇lhere nre several regulations in the Acts now in force with respect to the sale \＆c．of bread where an assize is set ；but as the practice of setting an assize is nearly relinquished，it seems unnecessary to recnpitulate them．The weight of the assize bread has ntready been mentioned，and the princi－ ple on which its jurice is tixed．

Notwithstanding the prohibition against the use of alum，it is believed to be very generally em－ ployed，particularly by the bakers of London．＂In the metropolis，＇says Dr．＇Thomson（Suppl．to Eneyc，Brit，nrt，＇］laking＇），＇where the goodness of bread is extimated entirdy by its whiteness， it is usual with those bnkers who employ flour of all inferior quality to add as much alam ns com－ mon salt to the dough；or，in other words，the quantity of snlt added is diminished a half，and the deficiency supplied by an equal weight of alum． ＇lhis improves the look of the bread，rendering it much whiter and firmer．＇

The cousus returns of 1860 give 12,308 as the mumber of＇bakers＇in the metropolitan district． The trade which they earry on is in general but limited，mad it is not reekoned a very advantage－ ous line of busimess．
Bread－making in France．－Tho old assize of bret was，and theoretically is still，in force in I rance．The Government did not，however，fix the price，but this was left to the mnyor of the com－ mume，in laris to the prefet of the eity．This privilege of the mayor was conferred on him by a law of July 179 f ．In pursuance of these ar－ ramgements，the bakers were made liable to n varicty of regulations．In most eommancs their number was limited．In Paris，in 1860 ，they were only 1 ，（6） ，aind their shops were liable to inspece－ tion．It is said that，in order to keep the Jarisian populace in grood humour，the bakers were com－ peited to sell bread in searce times at low prices， their loss being reimbursed（0 them from the public or commanal revenue．

Table showing the Mean Anmual I＇rices per Kilo－ gramne in Centimes und Practions of Wheaten Breal at Paris from the year 1801 to 1858.

| Years | Prices | Vears | Jrives | Vears | l＇rices | Vears | l＇rices |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1801 | conts． | 1816 | cenfu． $4.3 \cdot 3 \%$ | 18.31 | centus | 1215 | cents． |
| 1812 | 411.3 | 1817 | 61.23 | 1537 | $37 \cdot 6$ | 181／ | 39－37 |
| 18113 | 2． 35 | 1818 | 5．3．5 | 15.3 | 28．3．3 | $1 \mathrm{hl7}$ | $49 \cdot 87$ |
| $18: 14$ | 23.96 | 1819 | 3．2．27 | 15.34 | 2711 | 1sis | 29． 29 |
| 1－13） | 25－4\％ | 1880 | 41：87 | 183.5 | 2x．5y | 1819 | $2 \mathrm{~S} \cdot 37$ |
| 1805 | 2！ 18 | 1421 | 38.35 | 1836 | 4792 | 18：0 | 26.87 |
| 1407 | $30 \cdot 2.3$ | 182\％ | 33.2 | 1837 | $29 \cdot 38$ | 1853 | $26 \cdot 96$ |
| 1808 | 26．1！ | 18.3 | 35.35 | 1138 | 34．53 | 1352 | 31.8 |
| 1819 | 22：73 | 1821 | $2 \mathrm{~S} \cdot 48$ | 18．9 | 30.95 | 18 亿3 | ． 8.37 |
| 180 | 24．1．5 | 18：5 | 29.18 | 1810 | 38.8 .3 | 1851 | 14．5 |
| 1 N 11 | 3．5．3． | 1826 | 49.4 .3 | 1811 | $31 \cdot 1$ | 18．5 | 4979 |
| 1812 | $20 \cdot 8$ | 1827 | $32 \cdot 1$ | 1812 | 3.117 | 1856 | $49 \cdot 91$ |
| 1813 | 39.15 | 1828 | 39－97 | 1843 | $3 \mathrm{3c}$ 62 | 1857 | $3 \times 17$ |
| 1811 | ど－71 | 1829 | 493 | 1844 | 31.8 | 1858 | $29 \cdot 4$ |
| 1815 | 24－3 | 18.30 | 3932 |  |  |  |  |

The regulations affecting the baker＇s trnde were taken away by a decree of Jume 22，1863．But the decree says nothing of the assize，for this right was eonferred on the mayor by law．The Minis－ ter of Agriculture，however，issued a circular，dated
pend，provisionally，his privilege．If，it is said， expericuce is favourable to this suggestion，the Inw will be altered by the Jegislature．［Tho in－ formation on this head has been supplice by M．Mnurice lllock．］
BRLEMLIN．Ono of the IIanseatic cities，on the Weser，about 50 miles from its mouth，lat．
 urbs contain an area of 73 h square miles（13ritish） The revenue for the three yenrs 1862－1 whe $279,404 l$ ．，241，627l．，261，9t0l．；the expenditure 353,4061 ．， $367,8661 ., 295,536$ ．Population in 1864， 104，091；that of I3remen town being 70，1992；of Vegesack town 3，981；Bremer Hasen 7，435；of the rural ilistricts 21,983 ．
Its situntion renders liremen the principal empo－ rimn of IInnover，Brunswick，Jlesse，and other countries traversed by the Weser．
Eintrance to Bremen．－The entrance to the Weser lies between the Mcllum and other sands on the sonth－western，and the Teglers ］hat \＆e． on the north－eastern side．Its course from Bro－ merlehe to its month is nearly S．E：and N．W．It is buoyed throughout；the hitoys on the right or starboard side when entering being black and marked with letters，while those on the left or larbonrd nre white and numbered．The dirst or outer black buoy has n gilt key upon it，and is， therefore，cnlled the schlussel or key bnoy；it lies in $10 \frac{1}{2}$ fathoms，bearing N．L． 5 miles from Wran－ geroog light．This is an intermitting light， having replaced in 1850 the old coal－fire beacon on the island of Wriugeroog，opposite to the northern extremity of East Friesland．It is，ac－ cording to the most authentic statements，in lat． $53^{\circ} 47!^{\prime}$ N．，loug． $7^{\circ} 51^{\prime} 55^{\prime \prime}$ E．；and is elevated $63 \ddagger$ feet above high－water mark，being alternately visible and invisible for the space of＂a minute．

In place of the wooden Bremen Beweon，situated in $53^{\circ}$［ $42^{\prime} 51^{\prime \prime}$ North lat．and $8^{\circ} 1 \cdot 4^{\prime} 52^{\prime \prime}$ East long． from Greenwich，a lighthouse was erected in the Weser on the Hohe Weg in 1856．It is of brick， and surrounded with sloping masonry of stone at the bnse．It is octagonal．

The light is eatadioptric，according to liresuel＇s system of the second order；it is 107 feet above high－water at ortinary tides，and is n fixed white light．In clear weather it is visible at the dis－ tance of 15 or 16 natical miles，within all the points of the compass from S．round E．to N．W． by W．，and may therufore be seen from the key buoy．

From the outer lifht－vessel the lighthouse bears S．by F．．$\frac{1}{4}$ li．，and from the lighthouse the church of Langwarden benrs s．
For the convenience of mariners entering the Weser，but by no means to induce them to neglect the use of the lead，a small white light will be shown frem the lighthouse at an elevation of 38 feet nbove common high－water mark，which in clear weather will be visible at the distanee of 7 muticul miles．This light will disappear to those who are nearing too much the black buoy（or stur－ board）side，near buoys 11．and J．＇1＇o thase en－ terimg the Derasgat it will assume a reldish colour in a line with the red buoy，and will disappear When they reach the line of the black W．A．buoy． This smaller light will be risible between the bearings of N．by W．$\frac{3}{4}$ W．ronnd northward to E． by S ．

By a law of February 12，1866，regrulations have been laid down for discharging freights in the ports of the Weser．The time allowed for discharging vessels up to 75 lasts is eight days between March 1 and October 31，twelve days between Nov． 1 and Feb．28．For every additional

30 lasts one day more is allowed. Sundaya and holidnys are not reckoned.

The nuriber of liremen vessels on Jannary 1, 18ti7, amounted to 293 , of the burden of 112,497 t lasts, each last of $4,000 \mathrm{lbs} ., 2,032 \mathrm{lbs}$, being equal to one Entollsh ton. The number of vessels which arriyed nt Bremen in 1866 was 2,870, of 1173,785 lasts burden. The following are the principal institutions in liremen :-
'The Chamber of Commerce or Board of Trade nt llremen was substituted in 1849 for the ancient conrt of Altermen called Collegimm Seniorum. The members of the chamber are elected by and from merehants. It consists of $2 d$ members and two syndies. It possesses certain legislative and excentive functions.

The Bank has a capital of $4,000,000$ Irremen thalers nul a note circulation of about $2,006,000$ Iremen thinders.

A Diseount and Deposit Bawh hns been estnhished witis a capital of 20 millions thalers ( $100,0001$.$) . It is ampowered to issue notes of the$ value of 5 thalers and upwards, pryable on demand,
to the nmount of one-third of the bultion ln its coffers; and is snid to have been of considerable use, by its judicious conduct, during the erisis of 1857. It has since been authorised to ald 24 million thalers to its capital.

The gold thaler equals 3 s . 4dI. aterling.
The public debt of IIremen is about $12,000,000$ thalers, chicfly contracted for rnilways, thocks \&c.

The Norddentsehe Mluyd.-This company owns 27 steamers and a number of iron lighters. Amonis the steamers aro Jlarge Transatlantic steani-shipis, which maintaln a regular communication once a fortnight with the United States, and 6 stemmers which rin between liremen, Iondon, anil Ilull.

The Emigration Office, wliere emigrants may obtain, gratuitously, all reliable information num advice. The number of emigrants embarking at Bremen during the period from 1851 to $186: 2$ amounts to $\mathbf{4 5 5 , 7 8}$, averafing $\mathbf{3 8 , 0 0 0}$ n-year. 'The largest number, viz. 76,875 , passed through in 1854. In 180ts the emigronts were 62,204, nearly all of whom went to the United States. (Sce below.)

Quantities and Value of the Principal Articles Inported into, and Exported from, Bremen, in eaeh of the Years 1863 and 1864.

| Prineunal Articles | Imported |  |  |  | Exprorted |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1863 |  | 1861 |  | 1863 |  | 1561 |  |
|  | Quanutics | Value | Qusntities | Value | Guantities | Value | Qusntities | Vatue |
| Macon - lbs. | 3,691,701 | ris dollars if6, fi. 16 | 192,38.5 | ris-dollars 22,971 | 3,679,262 | ris-dollars | 867,217 | ris-dollars 1m4,305 |
| lleef: ** | 1,419,36S | 131,367 | 1,16., frim | 118,542 | 1.35, ${ }^{214}$ | 139,394 | $\times 10,617$ | ! 19 |
| Hutter - " | 4,1154,908 | 93.3.73N | \%,242,3, ${ }^{2}$ | 348, zi.is | 4,113, 2.32 | 511,779 | 611,672 | 167\% ${ }^{\text {a }}$ |
| Cheese | 2, 2161,406 | 311, 3, ${ }^{\text {a }}$ | 1,113,171 | 189,7817 | 4,374,6i09 | 297,489 | 966,64 | 130,hio |
| Chicory : miliu | 2,616, 3,324 | 120,118 | 1,147,436 | 34,813 |  |  |  |  |
| Vocoa - lbo. | 178,173 | 41,532 | - 47,06006 | 52,753 | 102,900 | 1 | 3, | , $1,31.3$ |
| Collic e - "is | 8,987,303 | 1,899,699 | 8,788,7103 | 1,859,913 | 7,446,277 | 1,732,891 | 6,509,161 | 1,162,12' |
| Corn : wheat - lasts | 8, \%,197 | 20,34,427 | 1,918 | 2x1,073 | 7. 693 | 4, 93,115 | 1,2335 | 1111,470 |
| rye - $\quad$ | 13,31, | 1,326, 3,30 | 9,510 | 7901,155 | 6,184 | 641,331 | 4,994 | 4.2: 5 , 711 |
| pats - " | 4.263 | 807,903 | $3.40{ }^{3}$ | 166,692 | 1,4*k | 81,666 | 8.7 | 41.203 |
| barley - " | 1,66.3 | 139,145 | 1,435 | 139,986 | 601 | 31, 1 H\% | 68.5 | 83,211 |
| Coltor, raw | 9,885.5,505 | 4,111,8199 | 11,584,371 | 5,807,2.51 | 9,857,416 | 4,590,293 | 10,987,191 | 6,018,9493 |
| Ciurrantsand ratalns luv. | \%,581,651 $4,094,924$ | 161,314 489,123 | $1,519,865$ 4,115395 | 96,380 290,1099 |  |  |  |  |
|  | 1,672,918 | 489,18, | 2, $1,446,412$ | 230,09 | 1,6,77,161 | 519,411 | 4,961,366 982,760 | 182,720 |
| Hides : salt - ", | 1,288,013 | 164,0is | 1,1771325 | 816, 215 | 1,3.7, |  |  |  |
| dried * " | \%,13x,407 | 410,373 | 1.841,336 | 312 , < ${ }^{\text {a }}$ |  |  |  |  |
| Honey - " | 2, $\mathbf{4} \mathbf{5 1} \mathbf{3}, 1789$ | 201,970 | 2, 3894.7119 | 149,096 | 1,976,510 | 176,261 | 1,331,510 | 145,877 |
| llops. - " | 1,618,711 | 446,022 | 4SS, 346 | 433,3.33 | ),4614,991 | 415,724 | K93, ${ }^{\text {cid }}$ | 2115.61\% |
| Indigo | 3,24,311 | 815,927 | 467, M1 | 994,826 | 310,080 | 715,607 | \$ 87,058 | 1, $1076,3,326$ |
| Molasues | 4,430,541 | 184,3\%6 | \%,032,938 | 67,247 |  |  |  |  |
| l'elprar : ${ }^{\text {l }}$ | 1,597,521 | 169, 3.32 |  | 121, 245 | 1,780,217 | 193,238 | 1,135,106 | 124, 3:90 |
| Pretroleum : " | 8,68.3, 104 | 516.767 | 9,679.736 | 698,013 |  | 331,746 | 6, 091,651 | (614),243 |
| Nalt : ${ }_{\text {Nanc }}$ | K0, ${ }^{3} \mathbf{3 , 9 4 1 1}$ | 2,56i6,717 | 90,286,011 | 2,993,993 | 44,961,217 | 1,963,518 | 63, 210,310 | 2,623,105 |
| Skins, raw - llas. | 156,505 | 4.51, 1 M 4 | 1811,8.32 | 147,617 | 144,23.3 | 414,60\% | 175,373 | 447,1100 |
| Splrits: rum lidy. | 3,15.7 | 163.57K | 3,818 | 179,519 | 5,503 | 392,514 | 6,145 | 123,141 |
| spirits of wine ib | 7.650 | 231,909 | 14,163 | 401,051 | 3,695 | 148,2066 | Y, 6,77 |  |
| Sugar: rime lims | 24.487,1218 | 1,384,475 | 12,424,142 | 1,014,5y. | 15,049.7114 | 1,011,456 | 2,196,161 | 189,013 |
| Tallow retinul | Y, 181, 201 $1,951,397$ | 317,738 | 1, $1,3 \times, 964$ | 249,435 | 8,708,366 | 915,681 | 4,606,017 | 575, $\mathbf{S}^{-7}$ |
| '1'limber: | 1,93 | , |  |  | - |  | - |  |
| oak and berrh cubie fi. | 917,395 | 380,521 | 605,319 | 240,273 |  | - |  |  |
| fir and alder \&c. ", | 1,467,106 | 499,106 |  | 161,3(4) | - | - | - | - |
| deals sud planky no. | 1,'14,010 | 460, 363 | 1,701,1068 | 415.767 |  |  |  |  |
| eetar $\quad$ sq. fi. | 3,4.37, 4.9 | 314,171 | 3,137,346 | 443,270 |  |  |  |  |
| Trobaceo - Its. | 68, 3-11.639 | $15,819,970$ | 70,389,701 | 14,446,190 | 63,071,879 | 15,911,516 | 63,820,083 | 14,613,768 |
| Train oit Whatelone Whane a | 16,428 | 4.33,727 | 16,081 | 125,305 |  |  |  |  |
| Whale fins - " | 411,533 | 316,992 | 2,34,056 | \%91, $\mathrm{K91}$ |  |  | 91,7 |  |
| Wheat meal * " | 11,1775,848 | 171,181 | 10,4.58,3:3, | 414.695 |  |  |  | 二 |
| Wool, raw (sheep's) ", | 1,017,461 | 1,215,237 | 1,510,718 | 1,191,810 | 1,975,383 | 1,047,218 | 1,546.287 | 1,194,015 |

Vegesaek, situated on the Weser, is remarkable is now, also, connected by railways with Hanover, for ship-building. Its harbour is of no import- Leipsic, and the whole of western and central ance, and only litted for smaller vessels. There is Germany; and hence the rapidly increasing maga Railway hence to Bremen; and Bremer Haven, nitude of her commerce, which has more than the harbour of Bremen, has also been connected doubled within the last 8 or 10 years. Though with the city by railroad (since 1862). The inferior as a navigable river to the Elbe, the harbour works are very extensive, and are being Weser has the important advantage on its side of enlarged year by year to meet the requirements being free from those tolls and burdens which of the exteading trade. In addition to the adjacent Geestemunde, there are three large docks of such tepth that vessels drawing 23 to 24 fect can enter with facility. The harbour dues are very moderate, and not higher than those of Geestemunde.

Besides her communications by water, Bremen
being free from those tolls and burdens which
obstruct the navigation of the former. The toll at Elsfieth, below Bremen, was suspended or abolished early in this century ; and the tolls on the Upper Weser have been abolished since 1815. And wo may add that the advantages which have resulted from the free navigation of the Weser have powerfilly contributed to awaken attention
to the mischit and elsewhere
The charge of grouls at principal Gern srain, oak bas seed, beef and nul clocks, oi whipped here a usefill comman are much th The imports quantities are colonial prodin wines, raw cott ware, coal, br liemp dic.

The oversen States is imp freat variety back large qu and other Ame count shows tl the United Sta aceounts prblis valuo of the of the Union the year endes thaters, mind tha from liremen is chalers.

## Total Value of P'ont of Brem Towt of Brem

 Fear 186.4.Greenland
Muvia
Swerter)
Norway
Nenmark
Lanenburg and sleswi Melicoland l.11trex

Wexer I'ortanf Drem Hewhminorg Joltand
Yallvertin
Melymm
Vaitud king Prabre
Ausiria
Austra
Switherlan
switerland -
Apain and l'oriun
Mpain and l'ortugal inaly
Turkey in Finrope
Thrkey 112 Ansia
IGsuia in A sla
ELypt
Iritioh
Hinted North America Mexto and Ce

| Cubs |
| :--- |
| Jamair |

Hayif
l'ortor nice
M. Thomas

Nirw Grenada
Vewermela
Venipzitela
Ifr.xit
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${ }^{1}$ Ino rinas Ayres -

Perru
Canary Istand
Canary minnds
ritilis loost of Africa
ritius
Ilritish
Hiritish Jand Indias
Jfirmat
lluth East Inties
Dhumbichery
Mannlld
China
Shina
Ausiralia and Sandwici
Shiph's stores
Othir countres
Total

## - Esrlusive of the Irsde <br> ith liremen in the year 1 .

to the mischievous influence of the tolls at Stade and elsewhere on the lilbe.
'Whe charges on the buying, sellines, and shipping of goods at llremen are very mutherate. The principal German exports are woollen goodls, lineus, grain, oak bark, glass, smaltes, hams, hides, rapestech, beef and pork, rags, wool, whe, woolen toya mud clocks, oil-cake \&c. The wheat and barley shipped here are mostly inferior ; but the oata are useful common feed; beans are good. The lineos aro much the same as those from Hamburg. The imports consist of tobace (of which harge quantities are re-exported), coffec, sugar, and other colonial products: whale oil, iron, riec, hides, wines, raw cotton, cotton stuffis and yarn, earthenware, conl, brandy, tar, tea, dyewoods, timber, hemp de.
'I'he oversen trade of Bremen with the United States is important. She also semls thither a great variety of German prosucts, and brings back large quantities of eotton, tobaceo, rice, and other American produce. The antiexell necount shows the magnitude of her trade with the United States in 1864. From the oflicial accounts published by orler of Congress, the value of the exports of the domestic produce of tho Union to Bremen was estimated for the yenr ended Juno 30, 1858, at $8,617,157$ thalers, and that of the imperts into the Union frum Bremen in the same year at $10,45 \%$, 06 thalers.

Total Value of the Imports and Eixports at the Port of Bremen, from various Countries, in the 1ear 186.

| Coantries | Imporin* | Exports* |
| :---: | :---: | :---: |
| fircentand | risedollars 4.1.1491 | ris-dollars |
| Husida | 360, 6 , 7 | 2,405,466 |
| Swerlen | n3,460 | 1,1154,2148 |
| Nurwily | 233, 631\% | 76,0173 |
| llenmark ai simig leder | 3.367 | 49,1,5kz |
| lantuburg and Sleswig Ifolstein | 11.5,523 | 431,127 |
| Ilelmoland |  | 8711 |
| llamburg | 2,49:5,536 | 2,419,7! |
| 1.ubeck | 5x, 381 | 189,062 |
| L'ewer I'nrta of IJrennen |  |  |
| Meektruburg - | 60,241 | 291.8 '6 |
| Holtand . | 361,142 | 914,0137 |
| Zollverein | 22,1967,6.16 | 31,816,157 |
| lebciun | 159, 328 | 311,1036 |
| Vnit ${ }^{\text {d }}$ Kunglons | 10, 45.178 | 4,141,1088 |
| Frinue * | 1,33,363 | 4, 251,137 |
| Alutria | 1, 1 19,666 | 3,4613,1:9 |
| Switerland * | 101,730 | 764.72 |
| Spain und lortugat | 814,394 | 160,piss |
| Italy - | 11.5,4ix | 169.118 |
| irruce in | 13,671 |  |
| Turkey in Emrave | 2.5, 117 | 27,418 |
| 'Turkey in Avia | 2.1,117 | 53, 517 |
| IGusvia la Asia | - | 51,621 |
| Fryp ${ }^{-}$ | - | 55,098 |
| liritish North America | t0,161 | 69.487 |
| thiterl stater. | 9,3 $3.5,1412$ | 8,062,6i9 |
| Mextwo and Central America | 215,11. | 125,099 |
| cuht | 3,424.335 | 5,3,541 |
| Tamaica | $18 \mathrm{~F}, 172$ | 91,060 |
| Hasti | 1xs,155 | 87,987 |
| 10urta Hico | 375,249 | 245,104 |
| St. Thomay - | 1,1060 | 1,280 |
| Nirw Citrnada - | 4,191, 31 in , | 191,257 |
| Venceuela - | 3,32,997 | 430, 16.3 |
| Mrozil | 2 6x9,612 | 92,30\% |
| Vrugnay * |  | 19,174 |
| Itumots Ayres - | 82,570 | 152,814 |
| Chule - | 17 | 3y,774 |
| l'eru | 17,1861 | 92,264 |
| Ficuadar | 15, (110 | 41,846 |
| Canary 1shandm | 65,521 | 60,907 |
| Cipe Colonv \% | - | 3,903 |
| West Losat of Atrice and Mat. ritus | 33,514 | 58.811 |
| liritsh Eant indics - | 1,9x1,is1 | 37,2015 |
| llimimh - | 1, $1 \times 2 \times 3,289$ | 9.239 |
| Lutuh East Ludies | 74, 1,948 | 7,013 |
| Pontichery | 1,410n | - |
| Manills | 151,304 |  |
| Chuna | 151,704 5,485 | 174,226 |
| ${ }^{\text {Sapanir }}$ Austian and Sandwich Islands* | 361,818 | 587, 4 ¢14 414 |
| Shlipts stares : |  | 7115.1956 |
| Oilur countries | 3,373 | 21,259 |
| $\text { Total } \quad\left\{\begin{array}{r} \text { rix-dollars } \end{array}\right\}$ | $\begin{aligned} & 67,113.9 .0 \\ & 11,1 \times 3,655 \end{aligned}$ | $\begin{aligned} & 61,466,848 \\ & 10,411,434 \end{aligned}$ |

* Exclusive of the trade of the Weser lorts, which was Included
vith Iranen In the year $186 y$.

Arrivals amd Departures of Shipping at Bremen in the Years 1860-6.1.


The value of the tmports of British quals in 1865 was $1,143,9201$, and in $18661,438,3251$. The value of the exports to Fangland in 1865 was $1,107,4911$, and in 18 biti was $1,154,014 l$.

Duties.-An export duty of 1 per cent., ad valorem, is charged on all merelianlise shipped from lsremen; and an import duty of 3 per cent., ad valorem, on all foreign articles entered for salu.

Goods passing through Bremen in transitu are dividel into four classes; those suljected to the highest duty paying about $\frac{1}{8} l l$. per ewt, grous, while those suhjected to the lowest duty pay only about $\frac{f}{6}$. per ditto. As this cluty can yield but a mere tritte, it should be repealed.

The value of the imports is calculated according to the invoice price, adding thereto the freight and the rate of insurance current in llremen; the value of the exports is estimated from the invoice price only. Should there be no invoice of imports, it is the duty of the importer to make a correct estimate of the value upon oath.

Einigration. - lbremen has become the most considerable port on the Continent for the shipment of emigrants. In proof of this we subjoin an
Account of the Numbers of the j'migrants sailed from Bremen during each of th. 35 Yeors ending with 1866.

| Years |  | Emieranis | Years |  | Emigrants |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 103\% | - | - 11, 341 | 1890 | - | - 2.5,i76. |
| $1 \times 33$ | - | - x.891 | 10.1 | - | - 37, 14.3 |
| 18.14 | - | - 13,1186 | 14.62 | - | - 50rsin |
| $1 \times 3.5$ | - | - 6,185 | 18.53 | - | - 35,111 |
| 18.16 | - | - 14,1.77 | 18.4 | - | - 76,x75 |
| 18.17 | - | - 17,1087 | 16.5.5 | * | - 31,5\% |
| 18.78 | * | - 9,312 | 1N.56 | $\bullet$ | - 36,511 |
| 18.19 | - | - 12, 112 | 18.77 | * | - 41,399 |
| 14811 | - | - 12,406 | 1208 | - | - 28,095 |
| 1811 | - | - 9,534 | $1 \times 59$ | - | - 2y,1198 |
| 1812 | - | - 13,619 | 19610 | . | - 311,128 |
| 184.5 | - | - 9,427 | 1 NGI | - | - 17,261 |
| $1 \times 14$ | - | - 19,457 | 186\% | * | - 14,710 |
| 1815 | - | - 31,424 | 186,3 | . | - 18, い2\% |
| 1816 | - | - 32.3\%2 | 18154 | - | - y7,186 |
| $1 \times 47$ | - | - 3.i,fing | ${ }^{1865}$ | - | - 11,131 |
| 18.45 | - | - 29,917 | 1866 | - | - 64,454 |
| 18.19 | - | - 88,689 |  |  |  |

Nine-tenths and more of the emigrants are destined for the United States, and are justly regarded as among the best of the recruits sent to them from lurope. It will be seen, however, that the number, which was aminished during the American war, has again largely inereased.

Ship-brohers are licensed ollicers, and give security to the amount of 2,000 rix-dollars for the faithful discharge of their duties. These are, to engage freights, to sell vessels by auction, to enter vessels, and collect freights. They aro not permitted to have partuers, to transact any eommereial business on their own accomnt, to aceept commissions or consignments, to sell or purchase bills of exchange, or to engage in any mercantile concerns.

None lut appointed brokers of this class can undertake any of the duties assigned to them.


## IMAGE EVALUATION TEST TARGET (MT-3)



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Any person amploying a non－appointed broker is deprived of legal redress against the unauthorised agent by whose conduct lic unay sustain injury．
Ship－brokers are obliged to keep a register of all vessels coming in or going out，of the names of the captains who employed them，to procure mani－ fests of cargocs，and to attend to the payment of dutics and other dues chargeable on vessel or cargo．
The fees allowed to them are，for chartering a vessel in bulk， 18 grotes per grain last；of this the owncr pays 12 and the freighter 6 grotes．
For outward－bound vessels，taking merchandise as it may be offered， 2 per cent．on the freight．
For entering a vessel from sea measuring 50 lasts， 5 rix－dollars；measuring 100 ditto， $7 \frac{1}{2}$ rix－ dollars；and if she incasurs above 100 lasts， 10 rix－ dollars．
Entry dues are to be paid by the consignees of foreign vessels out of the commission they may charge．

For the collection of freight money，the broker is eutitled to receive 1 per cent．，but the consignee of a foreign vessel is to pay this sum．
Regulations of the Harbour of Biemer Haven． All vessels entering the harbour are subject to the superintendence of the harbour－masters，whose directions aro to be obeyed．

No ballast or rubbish is to be thrown overboard under a heavy penalty．

It is not permitted to keep gunpowier on board ionger than 2 hours after the vessel has reached lier berth under a heavy penalty；nor is it per－ mitted to discharge any tire－arms in purt．

The use of all fire on board，from sunset to sunrise，is prohibited；the captain，however，may have a light，in a closed lantern，in his cabin．

The crews are not allowed to carry on shore any fire－arus，uirks，or other weapons．

## Harbour Dues at Bremen．

For each ship over 50 last burden lylag in harbour for two month （fu Jays）at most，each last． leess shijs by Ileyond two month，each menth，each last Lafte of timber cach month nalf the above $\begin{aligned} & 1 \\ &-\quad 8 \text { grote．} \\ &-2 \text { thaters．}\end{aligned}$

## Tonnage Dues in place of Hurbour Dues．

 firods stowed on boord or landed，each last 3 grotes． Joct dues remaiting more than a month to pay harbour dues． 46 grotpa， Tonnaye dues from the right bank，each last， 1 grete，but no excess over 36 grotes．Certain vessel，are exempt from these tolls of harboar and tonnage， 4 grotes．

Marbour Dues．


Life－boat service．

$\begin{array}{lll}: & \vdots & \vdots \\ \vdots & \vdots & \vdots \\ \vdots & \vdots & \vdots\end{array}$


Towing ships．

| last |
| :---: |
| upt． 150 |
| 100 |

up ti 150
1541 to 140
100 and
． 106 and upward．
（Regulations of Nov．17，1863．）
The fcllowing are the rates of pilotage for the pilot－company of Bremer Haven ：－
I．Vessels coming from sea，of whatever con－ struction，pay in gold or bremen money for cach foot liremen measure which the vessel druws：

A．During the summer mouthy，from April 16. to Septenber 15，inclusive：－


B．In spring and autumn，from February 16 to April 15，and from Septeaber 16 to November 15， both inclusive ：－

## Bremer Haven．

1．From aea to Hremer Hasen
the first ta the fourth buoy：－ seventh buay to the Resmen beacon Bremen beacon to the red buoy red buoy to Wremen
Wremen to Bremer Haven．
Zweyburg．
From aea to Zwestrurg
the first to the farch tuvy
forth to the serenth buoy seventh buoy to the aremen beacon Bremen bearon to the red buoy red buoy to Wreme
Bremer Haven to Zweybur
Brake
From sed to hrake
－th buey
the first to the fourth buoy－ fourt th to the se rentli luoy
seventh buoy to the isremen lieacon Breinen beacon to the red buoy red buoy 20 Wremen liremer Haven to Brake


C．During the winter months，from Novem－ ber 16 to February 15，inclusive：－

## Bremer H：ven．

．From sea to Iremer Ifaven
the first to the fourth litay foucth to the serenth huoy Sremen beacon to the red buencon red buny to Wremen Wremen to Hremer Haven Hremer llagen to Girossensiol

Ziweyburg．
From sea to Zweyburg
the first to the fourth buoy：－
fourth to the sevent
fourth to the seventh buoy Hremen beacon to the sed luey ke ：buoy to Wremen
Wremen to liremer Ilazen
Hremer Hasen to Zweyliurg
Brake．
From sea to Drake
the firt to the fourth hnay furth to the se venth hony aceventh buoy to the liremen beace
Irenten beacon to the red buoy Hrenien beacin to the zed
red tuoy to $W$ remen red buoy tis frmen Hremer Haqen to llreke

II．Vessels measure whic A．During to September 1.
3.
4.

B．In sprin， April 10，and f

From Iremer 1i

C．During December，Jan 1．From Bremer $\mathrm{H}_{\mathrm{i}}$ 1.
3.
4.

I）．For piloti is to be paid，w
a．During the
to September 1 ：
To the Elbe
b．From Septe
To the Elbe
Measure
100 Itremen
I Bremen
$S_{z}$
1 Bremen square

Bremen cable foot $=1$

Fluid Mens

100 Bremen handele－

1 lb．fine pold $=56$ kr
100 thalers fold $=16.4$
$79 \cdot 100 \mathrm{U}$
rse of ex
The course of eschan Tondion lowe keshan
Paris Paria
Hanburg 300 fre． Hanburg 300 lico．k．s
Herin
ivol the mold，
Tares．－The us and Brazil chests boxes， 70 lbs ； Ma head；ditto Virgir hogshead；cotton， ditto， 6 per cent．； chest，equal to th （black）， $22 \mathrm{lbs} . \mathrm{p}$ aricles，such as spiees \＆c．real ta munications of $B$ Reparts．）
BRIBE．Any reenmpense，or rel toms，to induce hin 200 l. （ $3 \& 4 \mathrm{Wm}$ ． BRICKS AND used in the builain aiz made of baked
Unili i833 an ex
bricks and tiles（t

BRIBE
BRISTLES
II. Vessels going to sea, for each foot Bremen measure which they draw :-
A. During the summer months, from April 16 to September 15, inclusive:-

| 1. | From Bremer Ifaven to the | Hremen heacon | $\begin{gathered} \text { thal. gr. } \\ 0.39 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 2. |  | Mellum - | - 056 |
| 3. |  | fourth or cross buoy | -10 |
| 4. |  | first buoy | - 112 |

B. In spriner and aucumn, from March 1 to April 15, aud from September 16 to October 31 :-

C. Duringr the winter months, November, December, January, and Febr uary :-

| . | From Bremer Haven to the | liremen beacon | $\text { thal. } \mathrm{gr}$ |
| :---: | :---: | :---: | :---: |
|  |  | Nellum | - 110 |
|  |  | fourth or rose buoy | - 20 |
|  |  | finst buoy | 224 |

1). For piloting a vessel to tho Elbe or Fyder is to be paid, without regard to her bulk:-
a. During the summer months, from April 16 to September 15:-

To the Elbe : $\quad: \quad: \quad: \quad: \quad$| thal. gr |
| :--- |
| 18 |
| 24 |
| 0 |

b. From September 16 to April 15 :-

To the Elbe :
thal. gr.
$: 36$
-420
Measurrs, Weigitts, and Monty.
Measures of Length.
100 Iremen fiet $=94.935$ English fool.
1 Bremen elle $=2$ feet $=633$ Eng 1 lhh yards.
Superficial Measurc.
1 Bremen square foot=-j03 Engilsh square foot.

## Cubical Measure.

Bremen cuble foot $=1 ; 28$ cuble Inch : $=\cdot 807$ English cable foot.
Measures of Capacity.
1 Hremen last of prain $=10$ scheffel. 1 las $=10 \cdot 200$ E.- I'sh quarters.
Fluid Mensures for Wine and Spirits.
1 oxholt $=6$ anker= 30 viertel.
oxhort $=6$ anker
vlertel $=1.56()$ English 1 mp . gallona. 1 oxhoft $=46.800$ English Itnp. gallons. Weight.
100 Bremen handels-pfunde $=110 \cdot 232$ English avold. 1b.

## Money.

1 lb . fine gold $=56$ trnnen $=120$ thaters gold.
100 thalers gold $=16 \times 2.57 . \varepsilon$ or $1001 £=6150833$ thaters.

The course of erchange of gold against silyer gives
In Hamblurg for $: 15 * 3.3$.
In Hamburg foc
in leerlin
shange is with"
The conren of exphange is
1015
$k$


Tares. -The usual tares are, on sugar in casks and Brazil ehests, 17 per cent.; on Havanuah boxes, 70 lbs . Maryland tobacco, 90 lbs . per hogshead; ditto Virginia and Kentucky, 110 llss , per hogshead; cotton, round bales, 4 per cent. ; square ditto, 6 per cent.; tea (green), 20 lbs . per quarter chest, equal to the modern Euglish chest; ditto (black), 22 lbs . per quarter chest. Most other aricles, such as East India indigo, rice, cofl'ce, spices \&c. real tare. (Drawn up from the communications of Bremen merchants and Consular Reprorts.)
BRIBE. Any person giving or offering a brive, rccompense, or reward, to any officer of the customs, to induce him to neglect his duty, to forfecit 200 l ' ( 3 \& 4 Wm .1 V . c. 53 s. 38 ).
BRICKS and TILLES. Well-known articles nsed in the builaing and covering of houses. They wie made of baked clay and sand.
Unili i833 an excise duty was charged both on bricks and tiles (the latter being then exempted
from the duty), so that their manufacturo was placed under surveillance. It was orlered by 17 Geo. III. e. 42 that bricks made for sale should be $8 \frac{1}{2}$ inches long, $2 \frac{1}{2}$ inches thick, and 4 wide; on pain of forfeiting, for brocks of less dimensions when burnt, 20s. for every 1,000, and proportionally for a greater or less number. It was also provided that the size of the sieves or screens for sifting or screening sea-coal ashes to be mixed with brick earth in making bricks shoull not exceed $\frac{1}{4}$ inch between the meshes.

Bricks being the principal materia: used in London and in most parts of England in the building of houses, immense quantities are annually produced in that part of the United Kingdom. Aud notwithstanding the influence of the duty, their consumption in Eugland nearly doubled during the 20 years ending with 1840; the number that paid duty in 1821 having been $899,178,510$, whereas in 1840 it amounted to $1,677,811,134$, and in 1847 to $2,193,829,491$; but they subsequently fell olf, the quantity brouglit to the clarge in 1849, the last year of the duty, being only $1,462,667,154$. In Scotland, where stone is mostly employed in building, their manufacture is comparatively unimportant. The duty, which produced, in 1849, a nett revenue (inc. Scotland) of $456,452 l$, had long been felt to be extremely partial, seriously affecting some parts of the country, while it did not touch others. Its defects were set in a still more striking light by the rapidly exiending use of tiles, after they had been relieved from the duty in trainage nad otherwise. Influenced by these and other considerations, Government proposed and carried the repeal of the duty on bricks in 1850 . Perhaps, however. the better plan would hnve been to have commuted it ior an equivalent house-tax. BRIMSTONE. [SUITHUR.]
BRISBANE. The metropolis of the colony of Queensland. It is situnted about 12 miles up the river Brisbane, and being accessible to steamers and coasters is a city of considerable commercial importance. Pop. (i861) 4,225; of the colony, 34,885 . The imports from Queensland have risen from 155,673l. in 1862 to $341,362 l$. in 1866 . The principal, nearly the sole, article is sheep nnd lamb's woil, of which $3,354,020 \mathrm{lbs}$. were imported thence into the United Kingdom in 1866; this material being of very good quality. A small amsurt of cotton, for the production of which the colony is well suited, is also exported. The exnorts from the United Kingdom to Queensland are cotton, linen and woollea fabries, iron, hardware, and machinery. They have risen from 210,757 ' in value (1862) to 561,6931 . (1866). [Colonies and Colony Trade.]

BRIS'TLES (Fr. soies; Ger. borsten; Dutch, borstels; Ital. setole; Span. cerlas, setas; Pul. szezeciny ; Russ. schtschetina; Lat. scte). The strong glossy hairs growing on the back of the bog and the wild boar.
These are very extensively used by brushmakers, sheemakers, saddlers \&c. and form a considerable article of import.

British bristles are not to be had, the old breeds of the pig having died out, and tho improved breeds being almost without hair.
Our supplies of bristles are chiefly ohtained from Russin, European nul Asintic. The following is a list of the annual exports from St. Petersburg (the chicf port of shipment) during the eleven years ending with 1865 :-


The total quantity of bristles imported into the United Kingdom in 1866 was $2,678,565$ lbs., valued at $3: 2,2231$.

There are various substances used as substitutes for bristles. Amongst these may be mentioned the agava, or fibre of the Agave american.t, stated by the jury of the London Exhibition of 1862 to possess qualities which in some respects render it equnl if not superior to hog's bristles. The fibre of the broom corn (Sorghum vulgare) is also used, as also that of the Piassava or llass, which grows in the Drazilian forests on the Attalea funifera.

The duty, which varied frem $2 s .6 d$. on rough to $3 s$, per cwt. on sorted bristles, was repealed in 18.45 .

BROKERS. Persons employed as iniddlemen to transact business or negotinte bnrgains between different merchants or individuals. They are sometimes licensed by public authority, and sometimes not.

Broisers are divided into different classes; as bill or exchange brokers, st acklrokers, ship and insurance brokers, pawnbrekers, and brokers simply so called, or those who sell or appraise honsehold furniture distrained for rent. Exclusive, too, of the classes now mentioned, the brokers who negotiate sales of produce between different merchants usually contine theraselves to some one depariment or line of business; and by attending to it exchsively, they nequire a more intimate knowledge of its various details, and of the credit of those engrged in it, than conld be looked for on the part of a gencral merchant ; and are consequently able, for the mest part, to buy on creaper and to sell on dearer terms than those less fanitiar with the business. It is to these circumstancesto a sense of the advantages to be derived from using their intervention in the transaction of lusiness-that the extensive employment of brokers in Iondon and all other large commercial cities is wholly to be ascribed.

The nuinber of brokers in London is unlimited; but by the stat. $8 \&!$ Wm. III. c. 20 they are to be licensed by the lord mayor and aldermen, under such restrictions and limitations as they may think fit to enact. By the 57 Geo. IlI. c. 60 brokers acting without being duly ndmitted are made liable in a penalty of 1001 . The fee on admission is tixed by the same Act at $5 l$. ; nnd there is besides an anuuni pryment of 51 .

The following are some of the regulations established by the mayor and aldermen pursuant to the Act of Wm. III.: That every person shall, upon his admission, take an oath dilly and faithfully to execute and perform the oftice of broker between party and party, in all things pertaining to the duty of the said othee, withont fraud or collusion, to the best and utmost of his skill and knowledge; that lie shall in all cases reveal the name of his prineipal; and neither deal in goods on his own necomint, nor barter and sell agrin, nor make any gain in goods beyond the usual brokerage; and that he shall regularly register all the contracts se. into waich he enters.

13rokers grant a bond under a penalty of $500 \%$. for the faithful performance of the duties sworn to in the oath of admission.
A medal is delivered to the broker, with his mane engraved thereon, which he may produce, if required, ns evidence of his qualiticntion.
T'welve persons professing the Jewish religion are permitted to act as brokers within the City under the same regulations, and receive the silver medal aceordingly. This medal is trnnsferable, ind is sold generally at from 800l. to 1,5001 . exclusive of the expense of transfer, which is uncertain. Upon the decease of any of the helders
of the medal without its having been transferred, the appointment falls to the lord mayor for the time being; and for it the sum of $1,500 \mathrm{l}$. has not unfrequently been given. (Montefiore's Com. Dict. art. ' Brokers.')

If goods in the city of London be sold by a loroker, to he paid for by a bill of exchange, the vendor has a right, weithin a reasonable time, it he be not satisfied with the sufficiency of the purchaser, to annul the contract, provided he intimate his dissent as soon as he has an opportunity of enquiring into the solvency of the purchaser. In a ense of this sort (Hotgson $v$, Davies, 2 Camp. N. 1'. C. 536), Loril Ellenborough was, at first, rather inclined to think that the contract concluded by a broker must be absolute, unless his authority were limited by writing, of which the purchaser had notice. But the special jury said, that ' unless the name of the purchaser has been previously communicated to the seller, if the payment is to be by bill, the seller is always understood to reserve to himself the power of disapproving of the sufficiency of the purchaser, and annulling the contract.' Lord Lillenborough allowed that this nsage was reasomable and valid; but he clearly thenght that the rejection must be intimated as suon as the seller lias inad time to enquire into the rolvency of the purchaser. The jury found in the case in question, that five days was not too long a peried for making the necessaty enquirics.

Brokers, Bill,-propose and conclude bargains between merchants nud others in matters of bills and exchange. Thcy make it their business to know the state of the exchange, and the circumstances likely to elevate or depress it. They sell bills for those drauing on foreign countries, and buy bills for those remitting to them; and from their knowledge of the mutual wants of the one class as compared with those of the other, a few of the principal brekers are able to fix the rate of exchange at a fair average, which it would not be possible to do if the merehants directly transacted with each other. 'Their charge, as brokerage, is $2 s_{\text {. }}$ per cent.
'Those,' says Mr. Windham Beawes, 'who exercise the function of bill brokers, ought to be men of honour and capable of their business; and the more so, as both the credit and fortune of those who employ them may, in some measure, be said to be in their hands; and, therefore, they should avoid babbling, and be pr dent in their office, which consists in one sole point, that is, to hear all and say nothing; so that they ought never to speak of the negotiations transacted by means of their intervention, or relate any ill report which they may have heard arainst a drawer, nor offer his bills to those who have spread it.

Brokers, Stock,-are employed to bny and sell stock in the public funds or in the funds of joint stock companies. Their business is regulated by certain Acts of Parliament, by which, among other things, it is enacted, that contrnets in the nature of wagers, or contracts apparently framed for the sale or purchase of stock, but really intended only to enable the parties to speculate on contingent tluctuations of tho market, without any stock being aetually sold, shall be void, and those engarging in them subjected to a penalty of 8001 . ( 7 Geo. Il. c. 8, made perpetual by 10 (dea. II. e. 8.) Aud by the same Act, anyone contracting to sell stock of which he is not actually possessed, or to which he is not entitled, forleits $500 l$. llrokers not keeping a book in which all contracts are regularly inserted, are liable in a penalty of $50 l$. for each omission ; half to the King and half to those who sue for it. The charge fur brokerage on all public funds, except Exchequer
bills and India bo it Is 1 s , per cent. the purchase and can be concluded licensed broker, 1 Brokers, Ship ployment of this c and sclling of ship and adjusting the with the master fo de. Their charge cent. on the gross surnnce brokers, $t$ preminm, exclusiv on settling with th looks to the broker tract and a proper him also the unde candid disclosure affecting the risk, miuns. From the ment, ship and insu indeed generally are henour, in whom ful A ship broker is not the regulation and bons ". Rule, C. P. J
Brokers, Custom-h Custems Consolidati that no person shill agent for transactill honse in the port of trance or clearance autherised by licens Customs, who are to
fur 1,0001 . for the for $1,000 l$. for the fait
and his clerks. This r apply to the clerk o persons transacting bu on his or their accomnt.
Brokers, Pawn. [P Brokers, simply so c appraisers and sellers are regulated by 57 Go that no suck person $m$ where the sum due dod more than the followin

For levying
For men keeping possessio
Catalogisements, if any the neti proct, commis tamp duty, lawfu
Appraisements, whetl fid. per pound on the penalty of treble the a lawfuliy taken, with co marily before a justice
In lirance the broker change, merchandise, called agents de change,
is limited to sixty. is limited to sixty. II change is directed by a
bre syndicale) chosen al They are severally obli amount of $12 \mathrm{j}, 000 \mathrm{fr}$. for They are also obliged stricted to a cliarge of fr are interdicted from car interest in, any commer (Conle de Commerce, s. 74 ln tho United States, nor do they give bonds. BROKERAGE. The agc, paid to brokers on bills, funds, goods \&c. BRONZE (Ger. stulek stuckgoed; Ital. bronzo;
bills and India bonds, is $2 s .6 d$. per cent. ; on these it is $1 s$. per eent. No transaction with respect to the purchase and sale of stock in the public funds can be concluded except by the intervention of a licensed broker, unless by the parties themselves.

Brokers, Ship and Insurance.-The chief employment of this class of brokers is in the buying and selling of ships, in procuring cargues on freight and adjusting the terms of charter-parties, settling with the master for his salary and disbursements \&c. 'Iheir charge as ship lrokers is about 2 per cent. on the gross receipts. When they act in insurance brokers, they charge 5 per cent, on the premium, exclusive of a discount allowed them on settling with the underwriter. The merchant Jooks to the broker for the regularity of the contract and a proper selection of underwriters. To him also the underwriters look for a fair and candid disclosure of all material circumstances affecting the risk, ant for payment of their premiums. From the importance of their employment, ship and insurance brokers ought to be, and indeed generally are, persons of respectability and honour, in whom full contidence may be reposed. A ship broker is not within the various Acts for the regulation and admission of brokers. (Gibbons 1. Rule, C. P. June 27, 1827.)

Brokers, Custom-house.-It is enacted by the Customs Consolidation Act of 1853, ss. 1ij-17, that no person shall be authorised to act as an agent for transacting business at the Customhonse in the port of London, relative to the entrance or clearance of any ship \&c. muless authorised by license of the Commissioners of Customs, who are to require bond with one surety for $1,000 l$. for the faithful conduct of such person and his clerks. This regulation does not, however, apply to the clerk or servant of nny person or persons transacting business at the Custom-house oa his or theiraccount.

Brokers, Pawn. [Pawnbrokwis.]
Brokers, simply so called, in their character of appraisers and sellers of goods distrained for rent, are regulated by 57 Geo. III. c. 93 , which enacts that no such person making any distress for rent where the sum due does not exceed 20l. shall take more than the following sums : viz.

the nett prodhce
stamp duty, lawful amount.
Appraisements, whether by one broker or more, Gid. per pound on the value of the gools, under a penalty of treble the amount of the money unlawfully taken, with costs, to be recovered summarily before a justice of the pence.
In France the brokers who deal in money, exchange, merchandise, insurance, and stock, are called agents de change, and their number at laris is limited to sixty. The company of agents de change is directed by a chamber of syndies (chambre symdicale) chosen annually by the company. They are severally obliged to give bonds to the amount of $125,000 \mathrm{fr}$. for the prevention of abuses. They nre also obliged to keep books; are restricted to a charge of from $\frac{1}{8}$ to $\frac{1}{4}$ per cent.; and are interdicted from carrying on, or having any interest in, any commercial or banking operations. (Crde de Commerce, s. 74 \&c.) [Bondeaux.]
In the United States, brokers are not licensed nor to they give bonds.
BROKERAGE. The conmission, or percentarc, paid to brokers on the sale or purchase of bills, funds, goods \&c. [Factorage.]
BRONZE (Ger. stuckgut, stikmetall; Dutch, stickgoed; Ital. bronzo; Span. metal de canoues;

Lat. metallum tormentorum). 'A mixed metnl, consisting chiefly of copper, with a small proportion of tin, and sometimes other metnls. It is used for casting statues, cannen, bells, and other articles, in all of which tho propertions of the ingredients vary.' (Ilunt's Ure.)
BROOMS (Ger. besen ; Fr. balnis; Ital. scope, gramate; Span. escobas; Russ. metlii). They are principally made of lirch or heath. Vast quantities are manufactured in Southwark, for the supply of the London market.
BRIJSHES (Ger. bürsten ; Fr. brosses ; Ital. setole, spazzole; Span. brozas, cepillos, escobillas; Russ, schtschetki). Well-known implements, mate of bristles, and manufactured of various forms. Our exports of brooms and brushes in 1866 were valued at $49,201 l$. [Brastases.]

BUBBLES. A familiar name applied generally to fraudulent or unsubstantial commercial projects which hold out hopes of rapid gain, for the purpose of enriching the projectors at the expense of sanguine and ignorant adventurers; aud particularly used to designate those projects the funds for which are raised by the sale of shares or subscription to a transferable stock.

In consequence of the mischief produced by the gambling in transferable shares ol bubble companies at the time of the Sonth Sea project, 1719 and 1720 , the siat. 6 Geo. I. c. 18 , reciting that several undertakings or projects had been contrived and practised which 'manifestly tended to tho common grievance, prejudice, and inconvenience of great numbers of his Majesty's subjects in their trade and commerce,' and describing, among other practices of the time, the ordinary mote of raising money by shares and subscriptions to a pretended transferable stock, enacted that the undertakings and attempts so described, and public subseriptions, assignments, and transfers for furthering them, and particularly the raising or pretending to rniso transferable stocks without authority of claarter or Act of Parliament, should be deemed illegal and void, and prohibited them under severe penalties. Some decisions limited the operation of, and timally the stat. 6 Geo. IV. e. 91 altogether repealed, theso enactments and prohibitions. The projectors of bubbles, therefore, are now punishable only when they can be deemed guilty of frauds or conspiracies at common law; and there is no other check on the adventurers than the loss and troublesome liabilities, under the law of partnership, in which participation in these projects often invoives them.

BUCIIU LEAVES. The leaves C f the Barosma ercnata and of other species of Barosma, small shrubs growing at the Cape of Good IIope. They have long been used by the IIottentots for a varicty of diseases, and have been made known in Europe through the English and Duteh physicians re-
lent at the Cape. They are employed in Europe principnlly in diseases of the urinary organs. Prices in London market October 186i, 3dat. to $6 d$, per lb . for broad leaves, long narrow do. $9 d$. to 1s. ner lb.

SUCKWHEAT (Fr. blé sarrasin, blé noir; Ger, buchweizen, leeidekorn; Itnl. grano saraceno, faggina, fraina; Span. trigo saraceno, trigo negro; Pol. tatarca, gryka, polanca; Russ. gretscha; Lat. fagopyrum). It is principally cultivated in order that it may be cut when young and green, and employed as fodter for cattle; when allowed to ripen, the grain is usually employed to feed pigeons and poultry.

When ripe it is of a deep yellow colour, the seeds bearing a great resemblance to beech-mast. It will grow on the poorest soils. Buckwhent has been cultivated in this country from the latter part of the sixteenth century. Its native country
is unknown, but supposed to be Asia. Beckmann has a very lenrned dissertation on its introduction and carly culture in Europe, (History of Inventions, vol. i, art. 'Buckwhent.') The imports of buckwhent are comparntively ioconsidereble. The duty on it and on buckwheat meal is the snme as on other sorts of corn or meal. [Cons Laws.]
Buckwheat is largely prodnced in the United States. In 1840 the production was $7,291,743$ bushels, in $18508,956,912$ bushels, and in 1860 17,571,818 bushels, showing a larger increase than any other grain crop. The states in which the largest quantity is grown are New York, Pennsylvanin, and Ohio.

BUENOS AYRES. This city, the capital of the province of the snme name, was founded in 1535 , and stands on the right bank at the head of the estuary of the lio de la l'lata, on a vast plain which is here nbout 35 or 40 feet above the seal, and which extends westward to the Andes. 'The level uniformity of its outline is only broken by the spires of various churches. The strects are regular and straight, intersecting eneh other at distances of about 150 yards, forming squares like a chessboard. The houses have never more than two storeys, and commonly only one. The Argentine Confederation contains the tract of South America comprised within the 22nd and 42nd degrees of latitude, and the 59 th and 72 nd of longitude, the area being 75,000 square leagues, or 675,000 geographical miles; the regions being that which lies within the great rivers l'arana and Urugaay, the Pampas, and the mountainons districts of the Southern Andes. The political divisions of the Argentine Confederation comprise fourteen provinces-those of Buenos Ayres, Santa Fe, Entre Rios, and Corrientes on the coast; those of San Luis, Mendoza, and San Juan on the west, and at the base of the Chilian Andes; those of Cordova, Riojn, and Santiago del Estero in the centre; and Tucuman, Catamarca, Salta, and Jujuy in the north.

The rivers Parann and Uruguay join to form the Plata, and drain an arca of 170,000 square leagues. Tha Plata is 8 leagues brond at the junction of the streams Parana and Uruguay, and after a course of 35 leagues the river is emptied into the ocean between the capes of St. Maria and St. Antonio, where its breadth is 70 leagnes-the widest embouchure in the world. (Martin de Moussy, Confederation Argentine, 1860.) But the course of the river is encambered with sandbanks, which shift from time to time and cause great difficulties to navigation. Jence it becomes necessary to employ pilots to Buenos Ayres and Montevideo, the capital of the Cruguayan Republic. Considerable danger arises also from the prevalence of gusty winds called pamperos, which are said to occasionally cause a rise in the water to the extent of a fathom.

The total population of the Argentine Confeleration was estimated by De Moussy at 1,210,000. Of these, 83,250 were inhabitants of Buenos Ayres, 11,905 of Rosario, the two ports of the Confederation. Ont-third of the inhabitants of Buenos Ayres were Europeans, chiefly English and French. Mr. Clare Ford, secretary of the British Legation, states the population of the Republic in 1866 to bo $1,465,000$. At present (1868), fulging from its past growth, it may amount to about $1,500,000$.
lrom San Miguel tower, 68 feet high, a little westward of the cathedral, the true bearing of the north Cerro de San Juan on the Banda Oriental coast is N. $39^{\circ} 41^{\prime} 34^{\prime \prime}$ E. There are two wharves or piers, from 220 to 330 fect in length-the first near the church of La Merced, for passengers;
the second in front of the custom-house, for mer-chandise-but they are not long enough, and inconvenient when the river is low from N. W. winds.

Trade of Buenos Ayres.-Bucnos Ayres has a considerable trade. Its imports are manufactured foods, cottons, earthenware, gun owder, hardwares and cutlery, iron, leather, liaens, oil, linsced, woollens \&c.; and the exports are, wool bones, copper unwrought, grease, horschair, hides, horns, skins of various kinds, salt meat, tallow, tobacco \&c. All kinds of supplies, including coal, but excepting meat, are at a very high price. Corn, which for a considerable period was not produced in sufficient quantity for home consumption, has latterly becomo an occasional article of export. Mest part of the jerked beef, and numbers of mules, are exported to the Havannalı and Brazil, and a growing quantity of River Plate beef to Europe. Hides, tallow, and wool, especially the first, are leading articles of export. Sir W. Parish estimated the total amount of the imports into the La Plata at about $2,110,000$ l., of which about half might be for Inenos Ayres; but the trade is now much greater. Mr. Ford, in his excellent Report to the Foreign Office of Oct. 30,1866, gives the following'Tables:-

Comparative Statement of Goods imported into Buenos Ayres during the Years 1864-65.

| 1. D'fferent tissues; principally woollen and calicoes <br> 2. Eatables : principally stgar, yesba maté, and rice | 1864 | 1865 |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{array}{ccc} \hline x & s . & d . \\ 1,002,915 & 4 & 0 \end{array}$ | $\left\lvert\, \begin{gathered} f \\ 1,412,7 \end{gathered}\right.$ | it ${ }^{\text {d }}$ |
|  | 1,002,915 $1,074,885$ |  |  |
| 5. Divers fabricated articles: prinelpally haberdarbery, perfumery, and readymade clothes | 656,641 160 | 873,895 | 80 |
| 4. Drinkables i prinelpally red | 628,236 16 0 | 813,172 |  |
| 5. Materials for Industrial purposes ; principally coai, iron, and wood |  | 649 | 120 |
| 6. Groceries; principally tobatco, packing paper, and kerosene | $273,947 \quad 0 \quad 0$ | 315,9 | 0 |
| 7. Articles used for shipping; ironmongery and paint | 217,846 12120 | 515,417 |  |
| 8. Writing materials, paper | 28.467 8 0 | 52,235 |  |
| Total | $4,370,13480$ | 5,420,6133 |  |

Statement of the Quantities and Values of each of the main Articles of Argentine Native Produce exported from Buenos Ayres in 1865.

| Articles | Quantities | Values |
| :---: | :---: | :---: |
| Wool - - . Jbs. | 115,842,430 | $\underset{2,378,251}{f}$ |
| Hides, ox and cow - no. | 1,690,763 | 918,266 |
| Grease and tallow - lis. | 28,8:24,793 | 363,1.52 |
| Sheep skins - - no. | 17,26.3,333 | 211,698 |
| Salt ineat * - Ibs. | 45,609,800 | 138,702 |
| Horsehair - - " | 3,296,127 | 8.5,799 |
| Horse hivies - - no. | 1515888 | 4,3,3.37 |
| Ostrich feathers - - 1is. | 153,3,310 | 38,498 |
| Bone ash - - tons | 6,989 | 13,761 |
| Hide cuttings - - liss. | 1,678,300 | 5,9,3] |
| Hones - - Lons | . 2.917 | $6{ }_{6} 515$ |
| Shin and shank bones : no. | 4,80x,1000 | 4,875 |
| Giter skins - - Jlas. | 52,037 | 3,881 |
| Tips of horns - - no. | 1,210,060 | 3,730 |
|  | 91,058 | 2,187 |
| Shunk skins (infborn ani: no. | 109,53! | 1.599 |
| Breeding rams - - | 4,756 | 1,253 |
| Hioors, salted tongues, animal oil, thper and other skIns, ragn, and soas | 4,7 | 2:192 |
| Mincellaneoun - | -* | 88,743 |
| Total - |  | 24,399,353 |

The value of our exports to the Argentine Confederation in 1866 was $2,880,787$ l., cottons being by much the most impertant article, and next to it woollens, iron \&c. France supplies silks, wines (of which the imports have largely in crensed), jewellery, perfumery \&c. The imports from the United States consist ehiefly of unbleached cloths, spirits, soap, sperm candles,
dried and sa and deals. G goods, brand brandy, cigar gery, crocker cordinge, canva nean trade is produce, partic nil, maccaroni, coods are in 1 handkerchiefs, are imported. ed ill 1865 was yerba mate, or article of som superseded, eve chiefly obtalne Chili and Peru well supplied wi try, vegetnbles, the butter used these details fi Woodbine Paris 349-369; the $R e$ cliargé u'affaires, Plate, by Wilfri

Light.-At 43 the custom-hcus or stationary $g$ three masts, wl visible 6 miles. Outer Road.front of Buenos and that of the $\mathbf{C}$ of the great Pal exposed to the wi often bring in a $h$ quently draf, foul shore. It is 1 tackling, to be c anchors, and to ressels in the roa anchors. The bot the 12 feet line of and to 15 feet ha mostly esft mudd large number of ve
There are severd the roads; two ned low water, lie in th Catalina channel, marked by beacon northward of the from the share, is a north-west and $\frac{1}{2}$ to $\frac{3}{4}$ mile in br 21 feet over soft m anchorage there is water on it at the $m$ times not more than of moderate draug from the town in 1 dencin in the soutl S.W. by W.

The domes of th anchor in the outer 10 or Il miles. Th that southward of $t l$ necessary to keep llaving passed the increase, and the bet 17 feet water, soft m anchor in about 20 bearing S.E. by E. lesidencia $\mathbf{S}$. by $\mathbf{W}$ S.S.W. of W.; and north-west of the
dried and salted provisions, tobacco, furniture, and deals. Germany sends woollen and cotton goods, brandy and gin; IIolland, sugar, gin, brandy, cigars, cheese dc.; Belgium, irommongery, crockery \&c. The Baltic furnishes iron, cordage, canvas, pitch, deals \&c. The Mediterranean trade is prineipally in Spanish and Italian produee, particularly cheap wines, brandics, olivo oil, maccaroni, dried fruits, and pepper. Spanish groods are in little demand, though some serges, landkerchiefs, and ribauds, sewing silk, and salt, are imported. The value of Spanish wines imported in 1865 was alone upwards of 180,0001 . The yerba maté, or Paraguay tea, formerly an import article of some conssquence, has been nearly superseded, even in Buenos Ayres, by genuine tea, chicfly obtained from India. The trade with Chili and Peru is insignificant. The markets ure well supplied with butcher's ment and fish. Poultry, vegetables, and fruit are generally dear. All the butter used is imported. (iVe have derived these details from the excellent work of Sir Woodbine Parish On Buenos Ayres, 2nd ed. pp. 349-369; the Report of Mr. Francis Clare Ford, late chargé d'affaires, 1866; and The States of the River Plate, by Wiifrid Latham, 2nd ed. 1868.)

Light.-At $4 \frac{1}{2}$ miles N.E. by E. $\frac{1}{2}$ E, from the custom-bcuse at Buenos Ayres is a bulk or stationary guard-ship, painted black, with three nasts, which shows a fixed red light, visible 6 miles.

Outer Road.-There are two anchorages in front of Buenos Ayres, formed by the city bank and that of the Camaron, an extension or tougue of the great Palmas flat. Both are anchorages exposed to the winds from S.E. to E.N.E., which often bring in a heavy ground swell; vessels frequently draf, foul each other, and sometimes go on shore. It is necessary to have good ground tackling, to be cautious not to ground on the anchors, and to give a berth to the buoys of vessels in the road to prevent grazing on their anchors. The bottom is a fine dark sand; within the 12 feet line of soundings it is generally hard, and to 15 fect hard and soft; beyond 15 it, is mostly w,ft muddy sand. There are always a large number of vessels lying here.

There are several dangerous sunken vessels in the roads; two nearly close together, showing at low water, lie in the outer road in line with the Catalina channel, and one farther in, and are marked by beacons. The great or outer road northward of the city bank, at about $3 \frac{1}{2}$ miles from the shcre, is from 3 to 4 miles in length in a north-west and south-cast direction, and from $\frac{1}{2}$ to $\frac{3}{4}$ mile in breadth, with depths of 18 to il feet over soft mud. At the entrance to this anchorage there is a bar or flat with only 15 feet water on it at the mean level of the river, and at times not more than 12 feet, which obliges vessels of moderate draught to anchor at 6 or 7 miles from the town in 17 feet water, with the Residencin in the southern part of the city bearing S.W. by W.

The domes of the churches and the vessels at anchor in the outer road are seen at a distance of 10 or 11 miles. The bottom on the city bank or that southward of the outer road being hard, it is necessary to keep a little to the northward. Ilaving passed the bar, the soundings slowly increase, and the bottom becomes softer; when in 17 feet water, soft mud, steer to the westward, and anchor in about 20 feet, with the guard-ship bearing S.E. by E. $\&$ E., distant $2 \frac{1}{4}$ miles; La Residencia S. by W. $\frac{3}{4}$ W.; the Custom-house S.S.W. $\frac{1}{2}$ W.; and tho church of La Recoleta, north-west of the town, S.W. $\frac{3}{4}$ W. A good
berth will also be found near the annken vessels, where the water is deepest and the position convenient for boats. It is not usual to moor in the outer roads, but to veer a long scope of cable, and be reacly to drop a second anchor with southcasterly winds.
Inner Road.-The inner or little road off the north-east angle of the city is a space of about $1 \frac{1}{2}$ mile in length, in a N.N.W. and S.S.E. direction, and nbout 3 cables in brendth, having 12 and 13 feet water. lt is formed between the city bank and the coast: the latter is bordered with a bank of rotten stoue. To the northward of the inner roat is the anchorage El Pozo, having about a foot more water. Vessels in the Pozo and inuer road always moor N.E. and S.W., and great nttention should be given to prevent grounding on the anchors, for irequently there are only 8 or 10 feet $w$ ter, and vessels are often aground and unable to go to sea for 15 or 20 days. A large number of vessels are always here. But as the banks are constantly shifting, it is necessary when going into the inner road to employ a pilot, and particularly for the purpose of choosing a clear berth, and avoiding the many lost anchors in the roads.

Winds.-During summer, between August and March, the winds are from the castward. In April, May, June, and July, the weather is variable. The barumeter always rises with a S.E. wind, which brings clear dry weather; falls for a pampero or S.W. wind, but falls lowest with the wind from N. to W., which brings cloudy, rainy weather. It may be fine weather at sunset, and 2 hours after blowing a gale, but the barometer is sure to indicate it.

Tides.-It is high-water at Buenos Ayres, full and change, at about 12 h ; and the rise may be from 3 to 5 feet. The flood runs 5 hours, and the ebb 7 hours, at from 1 to 2 miles an hour. The winds from the S.E. cause the water to rise, and those from the N.W. depress it, and in some places cause a difference of 12 feet. A case has occurred when the wind from the N.W. has so depressed the water, that a person was able to walk dry to the vessels anchored in the imner road.

Rio Riachuel.-At about a mile southward of the town is the little river Riachuel, with 13 te16 feet at low tides, over soft mud, which serves as a port of commerce to Buenos Ayres. This river being the deepest on the south ceast, was the cause of the town being placed on the neighbouring plain. Its mouth is obstructed by bauks, so that vessels drawiug less than 10 feet alone can enter when the water is high from the S.E. winds, 3 feet only being on the bar at low tides. Large numbers of coasters load and unlond bere.

At high tides vessels of less than 8 feet draught can navigatu to the Conchas, where there is an excellent poit. In strong winds from the S.E. many vessels leave the roads of Buenos Ayres to seek shelter there, but it is necessary to have a cood pilot, as all this western part of the La Plata is obstructed by the great flat and bank of Las Palmas, on which near the coast the depths are irregular, the channel winding, and subject to frequent ehanges. There are in places 13 ov 14 feet water, but the deepest is in front of the shore forming Olives Point, where thero are from 12 to 17 feet.

Above Las Conchas the shore is broken by a great number of little rivers, outlets frem the Parana. At 25 miles N.N.E. of Las Conchas is the mouth of the Great Parana. The latter is the only one vessels of any size can enter.

Next in importance to Buenos Ayres come the Argentine ports of Rosario, Corrientes, Uruguny, San Nieolas and Gualeguayehú. In 1866 there were 326 miles of Argentine Railways open to traflic.

Money--The currency of Buenos Ayres was formerly an irredeemable paper money, issued by a bank, under authority of special laws passed frum time to time, and was by law legal tender. 'lhis paper money, having no specie basis, was afficeted in value, as compared witia gold, by over issues and by polities, nul has fluetuated 50 per cent. in one day; but by a new Currency Law, January 4, 1867, the Provincial Bank of the State of Buenos Ayres is nuthorised to pay 25 paper dols. for every patacon, and also to give 1 pratacon for every $2 \dot{5}$ dols. (paper). If prper money should exceed 25 per patacon, and the bank has paid away the specie received in exchange for the amount of the present emission, the bank shall still continue to give gold at 25 p . d. per patacon as long as sufficient coin exists. Parties indebted to the bank or state may pay. in gold or paper money at the rate of 25 dols, per patacon. In 1865 the revenue of the Argentine Republic amounted to $1,659,0141$., and the expenditure to $1,375,2331$. Official financial accounts are made up in hard dollars, ono of these being nbout equal to $4 s$.

The following are the statisties of the shipping and trade of Buenos Ayres :-

Number and Tonnage of Sailing Vessels Entered and Cleared at the Port of Buenos Ayres in each of the Years 1861-65.

| With targoes |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Years |  |  | Entered |  | c'ieared out |  |
|  |  |  | Shipa | Tons | Ship: | Tons |
| 1861 | - | - | 707 | 200,259 | 469 | 124, ${ }^{\text {a }} 12$ |
| 1868 | - | - | 614 | 186i,692 | 319 | 157,9.58 |
| 186.3 | - | - | 73.5 | ¢15, 8.5 | 6.32 | 173,511 |
| 1761 | - | - | \$25 | 2.53, $\times 127$ | 806 | 229.205 |
| 1865 | - | - | 006 | 2.57,239 | 930 | $25.54,351$ |
|  | Tutal | * | 3,813 | 1,093,870 | 3,386 | 916,097 |


| In Ballavt |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Yeara | Entered |  | Cleared out |  |
|  | Shipw | Tana | Ships | Tona |
| 1861 | 12 | 2,100 | 269 | -8, 801 |
| 1862 1863 | 11 | 8, 4,440 | 135 |  |
| 186, | 6 | 422 | 11 | \% $8 \times .5$ |
| 1865 | 4 | 1,000) | 9 | 1,35il |
| Tot. 1 | 51 | 12,390) | 305 | 152,117 |

Number and Tonnage of Vesscls, of each Nution, Entered and Cleared at the Port of Buenos Ayres in the Year 1863.

| Nationality | Entered |  | Cleared |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Versela | Tona | Veasels | Tons |
| Swedich and Norwegia | 11 | 3,5.56 | \% | 2,041 |
| Danich - | 32 | 5 | 2.5 | 4,011 |
| Dutch | 66 | 12,797 | 66 | 12,317 |
| iremen | 12 | 3,992 | 15 | 3,1161 |
| Hanoverian | 11 | 2,281 | 11 | 1,999 |
| Helyinn | 15 | 5,372 | 14 | 4,233 |
| British | 242 | 44,941 | 110 | 31,567 |
| French | 85 | 30,915 | 73 | 24,590 |
| Italian | 81 | 21,669 | 72 | 19,470 |
| Spanjsh - | 117 | 216,703 | 100 | 21,916 |
| North American | 64 | 33,979 | 63 | 31,508 |
| Argemtine - | 43 | 3.643 | 33 | 3,877 |
| Irazilian - | 29 | 7,261 | 43 | 3,442 |
| Other coontriea | 29 | 8,164 | 18 | 3,415 |
| Total | 753 | 215, 853 | 643 | 179,025 |

The following is an necount of the exports of wool from Buenos Ayres for fourteen years, supplied by Mr. Newton, Vice-President of the Argentine Rural Society :-

| Years | Number of Bales | Increase yer cent. | Arrobas, 25 l hs. each, of 32 to the bate | Number of Sheep at rate or 7 fleeres to each Arroha |
| :---: | :---: | :---: | :---: | :---: |
| 1852.53 | 20.511 |  | 656,448 | 4,597,136 |
| 18.50 .54 | Y2,454 | $9 \cdot 43$ | 711.40\%) | 5,94,890 |
| 1\%0.5-55 | 285,76is | 11.78 | 824,605 | 3,742,256 |
| 185536 | $32,6 i t$ | 26.60 | 1,013,968 | 7,307,776 |
| 1856-57 | 37,513 | 15.06 | 1,201.376 | 8,409,6.92 |
| 1857.58 | 39,252 | $4 \cdot 52$ | 1,256,061 | 8,792,44 |
| 1858-59 | 48,737 | 21.15 | 1,169,544 | 10,919,048 |
| 1859.60 | 42,176 | Lean. | 1,3524800 | 9,469,600 |
| 18800.61 | $60,3.4$ | $43 \cdot 65$ | 1,953,488 | 13,604,416 |
| 1861.62 | 67,161 | $10 * 58$ | 2,119.152 | 15,011,06i |
| 1862-6.3 | 88,780 | 32-14 | 4,808.960 | 19,656; ${ }^{2}$ 211 |
| 21663.64 | 96,679 | 8.90) | 3,093,728 | \$1,656,036 |
| 159,4.65 | 150,560 | 35.36 | 4,187,520 | $29+312,6,40$ |
| 186566 | 136,100 | $4 \cdot 84$ | 4,364,800 | 30, $0.53,663$ |

Total Value of Imports and Exports, with the Amount of Duties Collected thereon, at the Port of Buenos Ayres in each of the Years 1861-63.


Pilotage.-Vessels drawing 10 ft. Burgos, pay 40 Sp . dols.; 11 ft .50 dols. ; 12, 60 dols. ; 13 , 70 dols. ; 14, 90 dols.; 15, 110 dols.; 16, 130 dols. ; 17, 150 dols.; 18, 180 dols.; 19, 210 dols.; $20,2.10$ dols.; and 21 ft .260 Sp . dols. N.B. 100 ft . English $=109 \mathrm{ft}$. Burgos; 100 ft . Freneh $=115 \mathrm{ft}$. Burgos; 100 ft . Norvegian $=112$ ft . Burgos; and 100 ft . Swedish = 100 ft . Burgos. Un palmo (a palm) $=9_{6}^{\prime 2}$ Spanisl2 inches.
All vessels, excepting packets, if requiring a pilot to enter the inner roads, pay 200 dols. currency. When leaving, whether taking a pilot or not, they are bound to pay the 200 dols. Any vessel that may enter the inner roads without a pilot, and wisbing to be moored or to change anchorage, must pay 100 dols.
Port Charges.-1. National vessels sailing for ports beyond sea pay 3 dols. per ton.
2. Foreign vessels 4 dols. per ton, except those
which, in virtue of existing treaties, are assimilated to national vessels.
3. Foreign vessels pay, for visit of health oflicer, 25 dols., and the same amount for bill oi henlth.
4. Foreign vessels belonging to nations having no consul, 40 dols. for do.
5. The duties to be paid one half on entrarce and the other on departure.
6. National and forcign vessels, which do not leave nor receive cargoes, pay one-half of these dutics.

Customs Duties: Imports by Water.-1. Gold and silver, coined or in bullion, books, printing-paper, plants of all kinds, fresh fruits, ice, fire-wood, charcoal, and cattle for breeding are free of duty, as also maize (Indian corn) and flour of maize imported by land.
2. The Executive Power may admit free, zeeds destined for agriculture, articles exclusively des-
tined to religion, i tllic purposes, mac metals, and the for tries, the furniture things exclusively
3. Unset precion or manufactured w every instrument o ment of the same ment their value their value.
4. All articles no per eent.
b. The impost of despateh to be 5 cent or its equivalent in
6. The leaknge gre heer in casks, and vi -nt 10 per eent. for side of the Line, at this side, nnd 3 per et loss granted to wine rar, muld oil, in bottle
Exports by Land ing to pay 5 per cen tion :-Horse and cor mules and sheep, skin: beef, hide-cuttings, sa bones, bone-aslh, horn washed and dirty w dluid and solit grease
8. Every other pro expressed in the pree and silver, coined or in duty.
Of Deposit and Tran duly authorised shall a which is introduced lia
10. The deposit to be the Government, eithe vate stores, the fiscal losses or clamnges of $r$ posits; and further, if ment, it can oblige the the private stores to the 11. In all cases the deposits in private store 12. Merchandise ma yenrs from the entry elapsed, their despateh, int, is obligatory, thol renewed. after examina ing of the warehousage 13. The impost of war be paid on goods in del to he revised yearly.
14. The impost for a
in deposit for a portion 15. The fiscal is res deposited in his own wa beyond control, or injury nature of the goods or th 16. The Custom-housd of merchandise in deposi 17. The Custom-hous free of duty, the transhi inty days from the da tringing the same, or manifest, excepting thos the manifest is not nece parties declare, on the baly arrived in transit fo the the manner of cal The duties to be arrang paried by valuators, and jorts by their value in $d$
their market value at the
tined to religion, instruments or utensils for scientilic purposes, machines for the amalgamation of metals, and the formation of new fabries or industries, the furniture and tools of immigrants, and things exclusively destined to their establishment.
3. Unset precious stones, rold and silver worked, or manufnctured with or without precious stones, cvery instrument or utensil with handle or orunment of tho same metals, when these shall augment their value one-third, to jay 8 per cent. of their value.
4. All articles not excepted in the previous, 15 per cent.
5. The impost of wharfage for articles of lirect despateh to be 5 cents for every 8 arrobas of weight, or its equivalent in bulk.
6. The leakage granted to wines, spirits, liqueurs, beer in casks, and vinegar, to be calculated thus: -at 10 per eent. for the ports situated the other side of the Line, at 6 per cent. for the ports on this side, and 3 per eent. for ports within the Capes. Loss granted to wines, spirits, liqueurs, beer, vincgar, and oil, in bettles, 5 per cent. for breakage.

Lexports by Land and Water,-7. The following to pay 5 per cent. of their value on exportation :-Horse and cow hides of all kinds, those of mules and sheep, skins in general, jerked and salted beef, hide-cuttings, salt tongues, ostrich feathers, bones, bone-ash, horns, horn-clippings, horschair, washed and dirty wool, animal oil, tallow, and fluid and solid grinas ; cattle, horses, and shcep.
8. Every other production or manufacture not expressed in the preceding Article, such as gold and silver, coined or in bullion, is freo of all export duty.
Of' Deposit and Transit.-9. The Custom-houses duly authorised shall admit to depositevery artiele which is introduced liable to import duty.
10. The deposit to be made at the discretion of the Government, either in Government or private stores, the fiscal not being responsible for losses or damages of merchandise in private deposits; and further, if convenient to the Government, it ean oblige the removal of the goods from the privpte stores to those of the State.
11. In all cases the Executive regulates the deposits in private stores.
12. Merehnndise may be in deposit for two years from the entry of the vessel: this time dippsed, their despatch, for consumption or transit, is obligatory, though the deposit may be tenewel, after examination of the goods and paying of the warehonsage and wharfage.
13. The impost of warchousage and wharfage to be paid on goods in deposit, aecording to a tariff to be revised yearly.
14. The impost for a month to be paid for goods in deposit for a portion of a month.
15. The fiscal is responsible for the effects deposited in his own warehouses, saving aceident beyond control, or injury arising from the inherent nature of the goods or their coverings.
16. The Custom-house to allow the free transit of merchandise in deposit from one port to another. 17. The Custom-houso will likewise permit, free of duty, the transhipment of all goods within lity days from the day of entry of the vessel tringing the same, or presenting a copy of the manifest, excepting those for which the copy of the manifest is not necessary, or those which the parties declare, on the entry of the vessel, have only arrived in transit for foreign ports.
Of the manner of calculating the Duties.-18. The duties to bo arranged by overseers, accompanied by valuators, and to be calculated on imjorts by their valne in deposit, and on exports at their market value at the time of shipment, except
those previonsly classified and valued, which duties shall be calculated by a tariff of valuation formed upon the same basis of prices.
10. Every six months a valuation to be made of the merehandise and produce to be included in the tariff spoken of in the preceding Article.
20. The merchandise which appears damaged at the time of despatehing it shall be valued by the price it obtains in public auction, with the deduction of the corresponding aluty, the nccount of which must l,o rendered within thirty days from the day of despateh.
21. In cise of $a$ difference arising between the oversecr, valuator, and the interested party, respecting the valuntion of any merchandise or product of the comstry not inclucled in the taritl of valuation, its despatch shall be put off until the difficulty is overcome; and this not being accomplished within eight days, the Custom-house shall have the right, and may likewise be obliged, to hold the article at the valuntion it may see fit to put upon it, paying for it in Treasury bills.
22. From the merchants shall be accepted bills payable at three and six months, when the fumount of duty passes 50 ilols.; under this sum it shall be paid in ready eash.
23. The duties of exportation shall be paid in reacly eash, and at the port of loading, the goods being despatched directly for a foreign port ; neither can they be embarked in transit from one point to another of the Republic without their having been despatched by paying the duties, or a security given in the form to bo determined by the Executive Power.

Adilitional Duties,-24. All goods and merchandise suhject to import duty to pay a duty of $2 \frac{1}{2}$ per eent.

25 . The produce of the country subject to export duty shall pay an additional duty of í per cent.
26. These additional to be collected separately from the ordinary duties.

Adllitional Import Duties commencing January 1, 1867.-Additional impost of 5 per cent. on all imports, exeepting such articles as are comprised in Art. 3 of the present Custom-house Law, and 2 per cent. on all exports, payable cash down; to count from 30 days after the promulgation of this law.

BLFF (Ger. buffel, buffelhäute ; Fr. bumle, pean de huffles, ('t peaux passées en buffles; Ital. bufalo, cuojo di bufalo). A sort of leather prepared from the skin of the buffalo, iressed with oil, after the mamer of ehnmois. The skin of ellis, oxen, and other like animals, when prepared after the same manner as that of the buffaln, is likewise called bufff. It is used in making sword-belts and other articles where great thickness and tirmness are required.

BUGL.ES. Small glass beads of different colours. They are in considerable demand in Africa, to which they are mostly exported.

BULIIOX. Uncoined gold and silver in the mass. [Goli); Puechous Metals; Silven.]

BLOYN. Iieces of wood, cork, or hollow metallie substance, moored and floating on the water. Those of wood are sometimes solid, and sometimes hollow, like a cask, and strongly hooped; they are made of various shapes and sizes; and are either private or public.

Private Bnoys are so called from their belonging to private individuals. They are primeipally employed to mark the place of the ship's anchor, being liastened to it by a rope or chain, so that the men who go in the boat to weigh it may readily liud out where it is.
By 1 \& 2 Geo. IV. c. 75 s. 11 it is enacted that if any person or persons shall wilfully cut
away, cast adrift, remove, alter, deface, slak, or destroy, or in any way injure or conceal, any buoy, buuy-rope, or mark, belonging to nuy slip or vessel, or which may be attached to any anchor or cable belonging to any ship or vessel, whether in distress or othierwise, such person or persons so offending shall upon convietion be adjudged guilty of felony, and shall be liable to be transported for any term not exceeding 7 years, or to be imprisonicd for any number of years, at the diseretion of the court.

Public Bumys, being Intenaled for the public service, cannot be piaced, altered, or removed, except by competent authority. They are generally of a pretty large size, and are firmly moored by chains or cables to rocks, large stones, anchors \&c. By floating on the surface of the water they serve at once to mark the channels through whieh it is safe to steer, and to point out dangers to be avoided, such as sumken roeks, shoals, wrecks of yessels \&c. The places in, and the purposes for which, buoys are exhibited, are always specified in good charts; and as the lending buoys are generally of a pecu-
liar figure or colour, which is also inclicated in the chart, the navigator, as soon as he recognises them, shapes his course accordingly. Jleuce the grent importance of having buoys properly placed, aud of their being carefully marked in charts.

The 6 Geo. IV. c. 125 s .91 enacts that every person who shall ride by, make fast to, remove, or wiffully rum down or rum foul of any vessel placed to exlibit lights, or any buoy or bencon belonging to the corporation of the Trinity House of Deptiond Strond, or to any other corporation having authority to place suela vessel, buoy, or beacon, shall, besides making good all damage occasioned thereby, forfeit for every such offence any sum not exceeding 501 . nor less than $10 l$.

Subjoined is an account specifying the buoys and beacons under the control of the Trinity House, Deptford Strond, with rice rates of charges on nccount of the same on British and foreign ships and the produce of the rates, in each of the undermentioned years. (Corrected to 1868.)

It would appear, from the Report of the Com-


These rates are subject ot this time (ISGK) to a discount nr ahatement of 30 per cent., so that vractically they are just one-half.
'I he inspecthn of lights, buoys, and beacons is, by the Aterchant Shipping Amendment Act, vested in the General Lighthouse A uthorities.

missioners on Lights, Huovs, and Beacons, laid before Parliament in 1861, that there were belonging to the United Kingdom I, 109 buoys in position, while of beacons of some magnitude there were 261 in position.

BURDEN OF A SIIP. [Tonnage.]
BURGUNDY. [WiNv.]
BURUOUNI PITCII (Fr. poix de Bourgogne, poix janne, poix blanehe). $\Lambda$ resin, the produce of the Pinus Abies, or spruce fir. It is obtnined by making incisions in the bark down to the wood, whence it tlows thickly and languidly, immediately concreting into flakes that ndhere firmly to the tree. These being taken off are melted in boiling water, and strained through coarse cloths. It is of a elose consistence, rather soft, lins a reddish brown colour, and a not unpleasant emell; it is very adhesive. The true IBurgundy piteh comes chiefly from the department of the Vosges, and certain hilly regions in the centre and south-east of France. It is asserted that the best is derived from the Abies picea, or silver-fir tree. A fietitious
sort is made in England, and found in the slopps under the title of common Burgundy pitch : it may he distinguished by its friability, want of viscidity and of the odour which elinracterises the genuine sort. Burgundy pitch is used chiefly in medicine. In 1866, $69,685 \mathrm{cwt}$. of pitch were imported, valued at 31,909 .
$\Lambda$ speeies of Burgundy pitelı exudes spontaneously from the Norway spruce fir. This, which undergoes no preparation, is the resin or thus of the old London Pliarmacopcias. It is imported in the form of tears or small masses packed in ensks, each containing from 1 to 2 ewt. 1t fetcles about half the price of that which is strained. (Gray's Supplement to the Pharmacopoias; Thomson's Dispensatory.')

BUSIIEL. A measure of capacity for dry goods, ns grain, fruit, dry pulse \&c. containing 4 pecks, or 8 gallous, or $\frac{1}{\text { q quarter. }}$
The Winehester bushel contains $2150 \cdot 12$ cubic inches, while the Imperial bushel contaius 2218•192. Hence, to convert Winchester bushels
into Imperial, m or $969 \cdot 147$, or ap and if great neco more. To conve into prices per 1 fraction $\frac{211 p .192}{2150^{2}+\frac{1}{2}}$,

Hy 5 Geo. IV. the standard me lime, fish, potatoe and things comn The bushel shall distilled water, $b$ nud even bottom, side to outside which the bushels | Weiguts and

The standard $m$ ns well for liquids by heaped measure 10 lbs, avoirdupe weighed in air a Fahrenheit's therm 30 inches ; and suc standard gallon (co and all measures s. tiples, or certain pr standard gallon; a part, and the pint staulard gallon; a peck, and 8 such g such bushels a qual not measured by he
BUSIIIRE or A of Persia, in the pr cast const of the $\mathbf{P}$ $30^{\circ} 50^{\prime} \mathrm{E}$. Populat by Major Wilson at shire is situated at sandy peninsula, to the bay. Thero is large ships due wes distant, in from 25 300 tons burden or to the north, about 6 age is pretty good westerly gales they their cables, and bea about I5 leagucs W . immediately to the tho passage to it is cannot be passed by or 9 feet water, exce is a rise of from 8 1811 was $4^{\circ} 43^{\prime} \mathrm{W}$. by Captain Ritelic ; ail the other ports tremely hot, particul The unihealthy seaso Trade fec.-Bushin particulnrly with Ca , Its merchants supply commorlities, as also trought from Europe iadigo, sugnr, sugar e impartant; the steel to every other, and is tin is brought from B . supplicd by Mocha ar Gulf. Eingligh cott the admitted inferiori in great esteem in I' to supersede those from IIfindostan; an mapidy extending, an indelinite increase. Buslire, a good ma
into Imperial, multiply by the fiaction $\frac{2150}{2226} \frac{42}{102}$ or 969.447 , or approximately deduct $\frac{1}{36}$ and $\frac{1}{2000}$; and if $\mu$ reat accuracy be required, $\frac{-1}{2 \pi}$ and $\frac{1}{2} \frac{1}{0 \pi \pi}$ more. 'lo eonvert prices per Winchester bushel into prices per lmperial hushel, multiply by the fraction $\frac{2214 \cdot 192}{2156} \frac{1}{4}$, or $1 \cdot 0315157$.

Ihy 5 Geo. IV. e. 74 s. 7 the bushel ahall be the standard measure of eapaeity for coals, calin, lime, fish, potatoes, or fruit, and all other goods and things commonly sold by heaped measure. The bushel shall contain 80 lbs. avoirdnpois of distilled water, being made round, with a plain and even bottom, and being 193 inehes from outside to outside. Secs. 7 and 8 direct the mode in which the bushel sliall be used for heaped measure. [ Weigilts and Measuiees.]

The standard measure of eapacity, by this Act, as well for liquids as for dry goods not measured by heaped measure, shal: be the gallon, containing 10 lbs. avoirdupois weight of distilled water weighed in air at the temperature of $62^{\circ}$ of Fahreuheit's thermometer, the barometer being at 30 inches; and such measure shall be the Imperial standard gallon (containing 277.274 eubic inches), and all measures shall be taken in parts or multiples, or certain proportions, of the said Imperial standard gallon; and the quart shall be the fourth part, and the pint shall be an eighth, of such standard gallon; and 2 such gallons shall be a peek, and 8 such gallons shall be a bushel, and 8 such bushels a quarter of corn or other dry goods not measured by heaped measure.
BUSIIIRE or ABUSHIRE. A seaport town of Persia, in the province of Fars, on the northeast eoast of the Persian Gulf, lat. $29^{\circ}$ N., long. $50^{\circ} 50^{\prime} \mathrm{E}$. Population uncertain, but estimated by Major Wilson at from 15,000 to 20,000 . Bushire is situated at the northern extremity of a sandy peninsula, to the north and cast of which is the bay. There is a convenient anchorage for large ships due weat from the town, 3 or 4 miles distant, in from 25 to 28 fect water; but ships of 300 tons burden or thereby lie in the inner roads, to the north, about 6 miles from shore; the anchorage is pretty good; but during violent northwesterly gales they are sometimes obliged to cut their eables, and bear up for Karak, a small island about 15 leagues W.N.W. of Bushire. The water immediatcly to the east of the town is deep, but the passage to it is obstructed by a bar, whieh cannot be passed by vessels drawing more than 8 or 9 feet water, except at spring tides, when there is a rise of from 8 to 10 feet. The variation in 1811 was $4^{0} 43^{\prime}$ W. (Chart of the Persian Gulf; by Captain Ritelie; \&e.) The climate here, as in all the other ports of the Persian Gulf, is extremely hot, partienlarly June, July, and August. The unhealthy scason is in the fall of the year.
Trude \&c.-Dushire has a grood deal of trade, particularly with Caleutta, Bombay, and Madras. Its merchants supply almost all Persia with Indian commodities, as also with a good many of those brought from liurope. Of the imports from India, indigo, sugar, sugar candy, and spices are the most important; the steel of India is preferred in Persia to every other, and is made into excellent sabres; tin is brouglit from Banca; and coffee is principally supplied by Mocha and other ports on the Arabian Gulf. English eotton goods, notwithstanding the almitted inferiority of our red dyes-a colour in great esteem in Persia-have already gone far to supersede those that were formerly brought from Ilindostan; and the demand for them is rapidly extending, and is susceptible of an alinost mudefinite increase. Besides those imported at Bushirc, a good many are introdnced through

Bussorah, and soine through Turkey and Russin; the latter by way of the Black Sea, the former of Smyrna and Constantinople. Hitherto, indeed, a eonsiderable part of the cott ans imported through the last-mentioned channels have been supptied by Switzerland and Germany-their fabries having been, in somo respects, better fitted than ours for the Turkish and l'ersian markets; but they seem to have lost this advantage, as our exports of eottons to Turkey are now rapidly increasing. Woollen goods, cutlery, watches \&e. sent to Inilia from lingland ere thence exported to lushire. Imitation shawls, of the proper size and pattern. are said to meet with a fair sale. The exports principally consist of raw silk, Kerman wool, Kerman and Cashmere shawls, carpets, horses, silk goods, dried fruits, wine, grain, copper, turquoises, asafoetida, gall-nuts, pearls, and other articles of minor importanee. Turkey annually supplies lersia with a very eonsiderable amount of bullion, most part of which is sent to India.
Of the Persian exports, raw silk is the most important. It is produced to some extent in every province; but Gheelan and Mazunderan are those which are most celebrated for its growth. In the former, about $900,000 \mathrm{lbs}$. are annually raised. Russia is a large consumer of this article. Dried fruits and dates are sent in eonsiderable quantities to India. Ilorses are largely exported to India both by sea and land; they serve for mounting our Indian cavalry, and for supplying the large private demand that always obtains in Ilindostan for this noble animal. Though neither so swift nor so beautiful as those of Arabia, the I'ersian horses are large, more powerful, and, all things considered, better for eavalry. They are eapable of supporting an extraordinary amonnt of fatigne. Wine of Shiraz enjoys a degree of celebrity to which, judging from the few samples we have seen, it seems but ill entitled. Mr. Fraser says that it is made in so eareless a manner, that, in ehoosing it, not more than 1 bottle in 4 or 5 can be made use of. Persian tobacco and yellow dye berries are highly esteemed: the former enters to a considerable extent into the trade to Turkey as well as to India; the berries bring a very high price in our inarkets, but the imports hitherto have been inconsiderable. Turquoises, asafotida, and varions sorts of drugs, rose water, with other minor articles, form part of the exports. Sheep's and goats' wool is also exported. The best is that of Kerman. The down furnished by the goats of this province is almost as fine as that of the Thibet or shawl goats. Cotton is extensively produced in Persia; the IRussians carry away some, but the greater part is used in the country. Grain is sent to Iuscat, but not in large quantities. The rearl track is now principally centred at Muscat. The copper exported from Bushire is principally the produce of the Persian mines, mixed, however, with some lussian copper from Georgia. Of manufaetured articles, the principal are earpets of the most beautiful fabric ; shawls, partly native and partly brought from Cashmere; velvets, silk goods, gold and silver brocades, and a few other articles. The trade between Persia and Russia by the Caspian Sea is not very considerable. Most part of the paper used in the former is supplied by the latter. The furs of liussia find a ready market in l'ersia. The Russian provinees on the Caspian derive their supplies of indigo from Persia by way of Bushire.

The entire trade between lbritish India and the Persian Gulf amounts to about $1,500,000 l$. ayear. This, however, includes the trade to Muscat and lussoral as well as to Bushire, and we have no means of discriminating the separate amount of each.
Water at Bushire is excessively bad and dear;

Int excellent water, and in grear abundance, may be had ut Karak. The anchornge at this island is safe at all times, and ships may lie close to the bench. Sir John Malcolm suggeated that the permanant possession of Karak would be an oljeect of convilerable importance; and we are rather inclined to ngree with him. It is of no value to the I'arsians, and there neems little doubt that they would the glad to cede it for a trifling consideration. Its possession would not only enable us to command the navigation of the Persian tialf, but it would form n depoot where goods destined for lhushire, lhussorah de. might he kept in perfect safely, and in atuation the most convenient, being rearlily accessible to all sorts of Arabian vessels. A taste for Britinh cottons and woollens is now forming in all the vast comentries watered by the Euphrates and the 'ligris, or which derive their supplies from the emporia crected on their banks ; and it is of the greatest consequebee that nothing be omitted that may serve to facilitate the diffusion of this taste, and the means of gratifying it.

Money.-Acconnts are kept in tomans of 50 alonsses, or 160 mamoodis. The tomm is a Persian fold coin, containing, according to the report of the llombay mint, from $71 \%$ to e7 gr. pure metal, being consequently equal to from 12s, $7 \frac{3}{\text { a }} d$. to $11 s$. 11d. sterling. The toman of Bussorah is worth alvout ibs., and that of Gombroon about 24s. These, with I'ersian and foreign silver coins of all denominations, are found at Bushire; but the rates of the foreign coins are perpetually varying, and the weight of the native coins is also subject to frequent changes.

Weights aud Measures.-Gold and silver are weighed by the miscal of 2 dwt. 23 7.12 gr. or 3 dwt. very nearly.

The commercial weights vary according to the commodities sold, and the places where they are used. The mannd tabree weighs 63 lbs, avoirdupois at the Custom-house, but only $6 \$ \mathrm{lbs}$. nt the bazaar. 'lhis weight is used by dealers in sugar, coffee, copper, and all sorts of drugs. 'The maund copra is 73 lbs. nt the $\therefore$ astom-house, and from it to $7 \frac{1}{f}$ lbs, at the bazaar. Dealers in rice and other article of provision use this weight. The mand shaw is double the maund tabree, or $13 \frac{1 \mathrm{lbs}}{}$,

Pearls are weighed by the nbbas $=2 \cdot 25 \mathrm{gr}$. T'roy.
There are varions sorts of guz's or cubits. One called the royal guz $=37$ th Eng. inehes; the common guz is two thirds of the former, or 25 inches.

The Persian league or parnsang is $\frac{1}{20}$ of a degree of the equator, and should, therefore, be equal to 3 miles 3 furlongs and 25 poles Engrlish.

The artaba, or principal corn measure, is equivalent to about 2 Winch. quarters.

For further particulars, see Niebuhr, Foyage on Arahie, tome ii. 1 . 75 : Kinneir's Memoir of the Persinn Empire. ]. 70 ; Fraser's Trucels on th Nhores of the Caspiau, Appen. pp. 35:-384; Parl. Paper No. 735, 2ud Sess. 1832, pp. 632-638; Kelly's Oriental Metrology; Thornton's E. Indian Calculator: \&c.

BCSS. A small seavessel, used by us and the Dutch in the herring fishery, commonly from 50 to 60 tons burden, and sometimes more. A buss has two small sheds or cabins; one at the prow, and the other at the stern: that at the prowserves for a litehen. [Fisuris.]

IBUSSORAH or BASRAII. A city of Arabia, on the western bank of the Shat-el-Arab (the name given to the river formed by the junction of the Tigris and the Euphrates), above 70 miles from its mouth, lat. $30^{\circ} 30^{\prime}$ N., long. $47^{\circ} 32^{\prime}$ Li. Population about 60,000, consisting of Arabs, 'Turks, Iersians, Armenians, Jews \&ic. The houses and streets are mean and filthy. 'Ilere is a vast area
within the walls, occupied principally by gardens and plantations of date trees, and intersected by canals, on which are numerous small craft

The har at the mouth of the Shat-el-Arab has only about 12 fect water, but the channel within is deep, so that whips of 500 tons hurden, provided they cross the bar at the springs, may without dilliculty ascend the river as far as the city; and both its gramd branches may be navigated to a grent distance by sinaller vessels. Hussorab is the principal inlet on the east, through which Indian nud other Enstern products find their way into tho Turkish Empire. Its commerce is, therefore, even at present, pretty considerable; and were the rich and extensive countries traversed by the Thgris and the Euphrates oceupied by n civilised and industrious people, it would be very great. Its imports from India nad Durope are similar to thoso at Ilusirine ; from l'ersia it imports shawls, pearls from Bahrein de, and coffee from Mocha. Mr. Vice-Consul Johnston reports that of British and British Indian coasters the unusual number of 27 stenmers and 25 sailing vessels of 29,910 total tommage entered and cleared this port in the year ended March 12, 1867 ; buc the 27 steamers brought only 7.13 tons of cargo to, and took 369 from Bussorah- 1,366 other vessels of $10.1,814$ tons in all, chielly 'Turkish and Persian, visited the port. Its exports are principally bullion, pearls, dates, grain, wool, horses, gall nuts, and drugs. In 18titi-67 the value of the exports paying customs' duties in 13ussorals, and exclusive of those on which duties were levied in the interior, was $81,762 l$., of which dates formed $\frac{7}{8}$. The value of the imports from British India and the United Kingdom was $269,61: 3 /$., and of those from Persia and the Persian Gulf forts 65,829l. The commerce with the interior is conducted by means of caravans to Aleppo and Bngdad; but it might be carried on to much more advantage by means of steam-boats. It was at one time proposed to forward mails from India by steam by the Shat-e!-Arab and the Euphrates to Bir, thence by land to Scanderoon, and again by stean to Gibraltar and England; but this project was very wisely given up in fivour of the route by the Led Sca.

Momey.-'Though the persinn keran is now almost the only coin in circulation, purchases and sales continne to be effected exclusively in shamis, the keran and other coins being accepted at the rate of the dny when payments fall duc. Notwithstanding this, the demand for shamis does not appear to lessen.

> Coins


Weights and Measures.-Gold and silver are weighed by the cheli of 100 miseals, or 7,200 Eug. grains.

The commercial weights are the maund atterpe. the mamul sofy or sesse, and the oke of Bagdud. 1 vakia $=19 \mathrm{oz}$ avoirdupois ; $2 \frac{1}{2}$ vakins $=1$ oke of Bagdad $=4 \frac{1}{2} \mathrm{oz}$. avoir. ; 1 maund atterce $=28 \mathrm{lbs}$, \& oz. avoir. ; 1 mand sofy $=90$ lbs. 1 oz . avoir:; 1 entra of indigo $=138 \mathrm{lbs} .15 \mathrm{oz}$. nveir.

These are the weights used by the Europeans settled at lussorah; those used by the Arabims differ a little from the above, and frequently alsi among themselves-a circumstance to which the merchant must pay particular attention.

The long measures are the Aleppo yard for silks and woollens $=2$ feet $2 \cdot 4$ inches; the Iladded do. for cottons and linens $=2$ fect $10 \cdot 2$ inches : the Bagdad do. for all purposes $=2$ fect 766 inciles. For further details as to the commerce of Busso-
rah, see the moir on the erital Metrolo tor: 11. 124. oyuge en A MUTLEE I U'T"I'. A inge 2 hogshe IUUTITR beurre; Ger. butyrum ; I' misslo korow A fat, unctus pretty limn sule rom cremm, by
The various duction and 11 investigated by industry. The - that butter w Romans in cool was it brought ns is everywher find it mention though they hav purposes. No $n$ is there any thi authors who trea given us very p to milk, cheese, marked by othe by the ancient. to the use of go hutter is very lit Spain, l'ortugal, (History of Inve, Beekmann ha butter that was oily or liquid sta all hot countries dloes not alludo the Arabs, by wh used from a remo

- Arab cookery even the Italian; purposen, except miversal sance, a mense; their vege it they work the intor a proper col crumbs, boiled it with all classes : are prepared for hotter is made fri that of camels The home supply consumption, ant important article Dietionary, ed. 18 luatter is very e nther northern eot land is reckone: th tamous, are all but Dorset, and Devo! repute. The Ayl hishest price in th lest produce of $t$ and Oxtordshire. each containing a piece, while the
The buiter of so is very good; it is in square baskets, by railway. The $b$ and Scotland, and ol Eugland, is of


## BUTLFRAGE

BUTTER
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rah, ree the last Consular Report; Kinnoir's Memoir on the I'ersian E'mpirr, D. 28:3; Kelly's Oriental Mrtrolany; 'Thornton's East Indiun Calculator, p. 12.4. Niehuhr has given a plan of lhassorah, Loyayc en Arabie, tome ii, ]. 17 0 . [HUsilus\%.] MUTLERAGE. [1'utsses.!
IIU'T'T. A vessel or measure for wine, containing 2 lugshends, or $1 \geq$ (; wh. 3 gallons.

13UTTI:K ( Man. smör; Dutch, boter ; I'r. benrre; Ger. butter; Ital, burro, butiro; Lat. butyrum; I'ol. nasslo; l'ort. mantejga; liuss. masslo korowe; Span. nonteca; Swed. smör). A fat, unctuous, and, in temperate climates, a pretty lirn substanee, obtained fron milk, or rather from cream, by the process of churning.

The varions circumstances attending the introduction and use of butter in antiquity have been investigated by Beekmann with great learning and indistry. 'She conclusion at which he arrives is, - that butter was not used either by the Greeks or lomans in cooking or the preparation of food, nor was it brought upon their tables by way of clessert, as is everywhere customary at present. We never find it mentioned by Galen and others as a food, though they have spoken of it as applicable to other purposes. No notice is takell of it by Apicins; nor is there any thing said of it in that respect by the anthors who treat of agriculture, thengh they have given us very particular information with respect to milk, cheese, and oil. This, as has been remarked by others, may be easily accounted for, by the ancients having accustomed themselves to the use of good oil : and in the like manner buiter is very little employed at present in Italy, Spain, l'ortugal, and the southern parts of France. (Ilistory of Inventions, vol. ii. p. 413, ling. ed.)
lieckmann las further shown that the little butter that was used by the ancients was in an oily or liquid state ; and such is its usual state in all hot countries. It is rather singular that he does not allude to the consumption of butter by the Arabs, by whom it lus been very extensively used from a remote period.

- Arab cookery is extremely friant, mere so than even the Italian ; but no oil is used for culinary parposes, except in frying lish. Butter is their uniressal sance, and of it the consumption is immense; their vegetable dishes float in butter; with it they work their adjone (paste made of dates) into a proper consistency; (ried corn, or bread crumbs, boiled in butter, is a common hreakfast with all elasses; and in the desert, the kemmayes are prepared for use in the same manner. Arab butter is made from the milk of sheep and goats, that of camels not being used tor that purpose. The home supply is not nearly suflicient for the consumption, and butter consequently forms an important article of importation.' (Gंcographical Dirtionary, ed. 1811, art. 'Arabia.')

Ilutter is very extensively used in this and most other northern countries; that of England and LIolland is reekoned the best. In London, the butters of Eppi:ur, Cambridge, and Yorkshire, once so tamons, are all but entirely superseded, Aylesbury, Dorset, and Deronshire being now in the highest repute. The Aylesbury butter, which brings the highest price in the London market, comprises the liest produce of the dairies of Buckinghamshire and Oxtordshire. It is generally packed in ' Hats,' ach containing from 18 to 30 lumps of 2 lbs . a piece, while the Dorset butter is packed in tubs.
The butter of Somersetshire and Cloncestershire is very gool ; it is made up in 1 lb . prints, packed in square baskets, and sent to the London market by ruitway. The butter of the mountains of Wales and scotland, and the moors, commons, and heaths of lingland, is of excellent quality when it is pro-
perly managed ; and though not equal in quantity, it often is confessedly soperior to that produced by the richest meadows. Much butter, but of second and third rate qualities, is now imported from Jersey chietly in tubs resembling wasli tubs.

Considerable guantities of hutter ure made in Ireland, and it turms a prombent article in the exports of that country: generally, it is very inferior to that of IBritain ; but this is a consequence rathor of tho want of attention than of any in:feriority in the milk. It is not much ?sed in Londoli. However, some of the hest irish butter brought of Landon, after being washed and re-packed, is sold as Dorsetshiro butter.
The salt butter of Ilolland, when madalterated, is superior to that of every other country; and large qumatities of it are ammally exported. It forms about one-third of all the forcign butter we import, the rest being brought from lirance, Germany, Ikyrium \& ${ }^{2}$. Latterly the supplies of Ostend butter have materially increased, the qualities ramging from the very best, which is occasionally sold for Aylesbury, to the very worst description, or imitation butter. It is generally imported in long boxes, containing about 1 ewt. eacls.
The production and consumption of butter in Great IBritain are very great. The consumption in the metropolis may, it is believed, be averaged at about 8 lbs a year for each individual ; and supposing this estimate to be nearly accurate, and the population to nmount to $3,200,000$, the total annual consumption would, on this hypothesis, be $25,600,000$ lbs., or 11,428 tons; but to this may be added 3,000 tons for the butter required for the victualling of ships and other purposes: making the total consumption, in round numbers, 14,428 tons, or $32,320,000$ lbs., which at 1 s . per lb. would be worth $1,616,000$ I.

The average yield of milk by a cow in Iingland is stated by Mr. Ilorsfall (Jour. Roy. Agric. Suc. vol. xvii. p. 267, quoted from Muspratt's Chemistry) to be from 160 to 180 lbs . daily, and the average yield of butter 8 or 9 oz . or 1 oz . per quart, equal to about 1 lb . for every 16 quarts.
The average produce per cow of the butter dairies is estimated by Mr. Marshall nt 168 lbs ayear; bat owing to the improvements that have been made in the interval, the yjeld per cow may now be safely estimated $0: 180 \mathrm{lbs}$; so that, supposing we are nearly right in the ahove estimutes. about 180,000 cows will be required to produce an adequate supply of butter for the london murket.
In 1852 the entries of butter for consumption amounted to 287,266 ewts., producing a nett revenue of $143,341 l$. The duty of J0s, a ewt. on butter from a foreign country was reduced in 1853 to $\overline{\mathrm{j}} \mathrm{s}$. a cwt.; that on butter from a British possession was contimed at $2 s$. 6d. per ewt. The duty was repealed in 1350.
Aecount of the Quantity and Value of. Butter imported into the United Kingdom in 1866 from each of the undermentioned Countries.

|  |  | cwis. | 2 |
| :---: | :---: | :---: | :---: |
| Denmark | - | - 67,305 | 311,5988 |
| llanse 'l'owns | . | 113.331 | 621,667 |
| Holland | * |  | 1,9710,070 |
| Helgium |  | - $\quad 66,1676$ | 486,712 |
| France | * | - 45\%,196 | 2.271,498 |
| Canada | - | 35,944 | 11, |
| Other piarts | - | 33,912 | 172.40 |
| Tota! | - | 1,165,081 | 3, $\mathrm{J}: 2,4,45$ |

Imports of butter have increased enormously rince the abolition of the duty, as will be seen from the subjoined table:-

| Year |  |  | rwts. | Year |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18int |  | - | 447, 366 | $1 \times 61$ | - |  | 948,712 |
| 18.6 | - |  | 513,392 | 1868 | - |  | 1,1137,371 |
| 18.57 | - | - | \$41,606 | 1863 | - |  | 986, 0 , 617 |
| 18.50 | - |  | 387,566 | 1864 | : |  | 1,0188,717 |
| 18.59 |  |  | $42 ; 168$ 810,112 | 1866 | - |  | 1,165, 1181 |

The principal sources of forcign supply have heen the IIanse Towns, IIolland and Belgium, Frunce, ant Denmark. The pnice, which in $185 \%$ was about $4 l$. 5 s. the ewt., has since risen steadily, and is now about 50.2 s . for the same quantity.

The average contract prices of the butter furnished to Greenwich Lospital from 1730 to 1868 have been as follow:-

| Vear | Pric'rs per ib. | Year | Peices per ib. | Year | Prices per It. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1730 | if ${ }_{6}{ }_{5}$ | 1790 | $\begin{array}{ll}\text { d } & \\ 0 & 6\end{array}$ | 1830 | ${ }_{6}{ }_{6}$ dif |
| 1711 | 0 5 | 15100 | 911 | 1835 | 071 |
| 1760 | $0 \quad 34$ | 1810 | 111 | 1830 | 010 |
| 1760 | 0 31 | 1815 | 12 | 1819 | 010 |
| 1700 | 067 | 1820 | $0{ }^{0} 9$ | 18.88 | ${ }^{1} 1118$ |
| 1780 | $1) 68$ | 18.5 | 0101 | 1868 | 0.9 |

In order to obviate the practice of fraud in the weighing and packing ol butuer, different statutes have been passed, particularly the 36 Geo. III. e. 86 and 38 Geo. III. c. 73, the priscipal regulations of which are subjoined. It is very douhtful, however, whether they have been produetive of any good effect. It might be proper, perhaps, to order the weight of the butter, exelusive of the vessel, and the dairyman's or seller's name, to be branded on the inside and outside of each vessel; but most of the other regulations, especially those as to the thickness of the staves, and the weight of the ressels, seem to be at onec vexatious and useless.
Every cooper or other person who shall make any vessel for the packing of butter shall make the same of good, well-seasoned timber, tight and not leaky, and shall groove in the heads and hottoms thiereof; and every vessel mire for the parking of butter shall be a tub, firkin, or halftirkin, and no other.
Every tub shall weigh of itself, including the top and bottom, not less than 11 lbs . nor more than 15 lbs . avoirdupois; and neither the top nor the bnttom of any such tub shall exceed in any part five eightlis of an inch in thickness.
Every tirkin shall weigh at least 7 lbs . inchuding the top and the hottom, which shall not execed four eighths of an inch thick in any part.

Half-tirkins to weigh not, less than 4 lbs. nor nore than 6 lbs . including; the top and the bottom, which shall not exceed the thickuess of three eighths of an inch in any part; upon pain that the cooper or every other person making any such vessel, in any respect contrary to the preceding directions, shall forfeit every such vessel and 10 s .

Every coojer \&c. shall brand every cask or vessel before going out of his possession, on the outsite, with his name, in legible and permanent letters, under penalty of 10 s., together with the exact weight or tare thereof.
Every dairyman, farmer, or seller of butter, or other jerson paching the same for sale, shall pack it in vessels made and marked as aforesaid, and in no other, and shail properly aoak and season every such vessel; and on the inside, and on the top on the outside, shali brand his name at length, in permanent and legible letters; and shall also, with an iron, brand on the top on the outside, and on the bruge or body of every such cask, the true weight or tare of every such vessel, when it shall have been soaked and seasoned; and also shall brand his name at length, on the bouge or body of every such vessel, across two different staves at least, and shall distinctly, and at length, imprint his Christian and sumame upon the top of the butter in such vessel when filled, on pain of forfeiting 5l. for every default thereof.
Every tub of butter shall contain, exclusive of the tare of good and merchantable butter, 84 lbs.;
every firkin 56 lbs. ; every half-firkin 28 lbs. ; rud o old or corrupt butter shanll be mixed, or paeked m any vessel whatever, with ary butter that is new and soumd; nor shal any butter made of whey be packed or mixed with butter nade of eream, but the respective sorts shall be packed separately, and the whole vessel shall, throughout, be of one sort and goodness; and no butter shall be saited with any grent salt, but all butter shail be salted with small snlt ; nor shall more salt be intermixed with the hutter than is needful for its preservation, uoder penalty of 51 . for olfeuding against any of these regulations.

No change, alteration, fraud, or cleceit shall be practised by any dealers or packnrs of butter, either with respect to the vessel or the butter so packed, whether in respect to quantity or otherwisc, under a penalty of 301 . to be imposed on every person engaged in the offenes.

Every eheesemonger, dealer in butter, or other persois, who shall seli any tuhs, firkins, or lialffirkins of butter, shall deliver, a every such eask or vessel respectively, the full quantity appointed by this Act, or, in default thereof, sliall be liable to make satisfaction to the person who shall buy the same for what shall be wanting, according to the jnice for which it was sold, and shall be liable to an action for recovery of the saine, with full costs of suit.

No eheesemonger, dealer in butter \&c. shall repack for sale any butter, under penaity of $5 l$, tor every tub, tirkin, or half-tirkin so repacked.

Nothing in this Act shall extend to make any cheesemasager, dealer in butter, or othei person, liatule to any penalties for using any of the tuds, tirkius, oz half-firkins, aiter the İritish bu'ter used in such. vessels shall have been takea thereout, for the repacking for sale of any forcign butter, who shall, before he so repack such foreigit butter, entirely cut or efface the several names of the original dairyman, farmer, or seacr of butter from every sucis vessel, leaving the name and tare of the cooper, and the tare of the origimal dairyman, farmer, or seller thereon; and, after the names are so effaced, shail, with an jron, brand his Christian and surname, and the worls foreign butter, upon the bouge of every such vessel, across iwo staves at least, to denote that such butter is foreign butter.
Persons counterleiting or forging any such names or marks shall for every such offence forfeit 401.

Penalties not exceeding 51 , to be determined by one justice, upon the evidence of one witness, and the whole shall go to the informer.
Penalti above 5l. to be recovered by action of debt, or infurmation, in the courts at Westminster, and the whole to the informer.
Nothing to extend to the packing of butter in any pot or vessel which slaall not be capable of containing more than 14 lbs .
Previously to 1826 no butter could be sold in any public ta iket in Ireland, or exported from it, without being previonsly examined and branded by a puhlic inspector; but compliance with this regulation is no longer compulsory, but is left to the discrecion of the parties.

It is enacted by statute $\ell \mathbf{W m}$. III, c. 7 that every warehouse-keeper, weigher, searcher, or shipper of butter and cheese, shail reeeive all butter and cheese that shail be brought to him for the Loadon checsemongers, and ship the same withoat undue preference; and shall huve for his nains 2s. $6 d$. for every load; and if he shall make default, he shall, on conviction belore one justice, on onth of one witness, or confession, forleit fer every firkin of butter 10 s., and for every weigh of
cheese oss.; halt to the informer.
And every s entry of receivi pain of $2 s$. $6 d$. fu of cheese.
The anaster of or cheese before cincesemonger's shall furfeit for and tor every we
This Aet does Cheshire or Lane The total pro
tates in 1850 wo States in 1850 wa
$\mathbf{4 5 9 , 6 8 1 , 3 7 2 \mathrm { lbs } .}$ $459,681,372$ lbs.
amounts are pro vania, Ohio, Illi Fouri, Iowa, Mai
States procuced in Butter made iiquid. In Iadia mostly prepared fit usually conveyed hide, each of which Ghee is an articl importance in man BUTTONS (Du knëpfe; Ital. bott
botones). WVell botones). Well-kn clothes \&e. They lesss variety of mat.
The chicf seat o The ebicf seat 0 not only enjoysal t rigorous protective to the Coatinent an it seems buttons we various Aets of Parl of the perisons engag
button trad button trade comm Covered huttons ma duced at the begin and the gexible sh: 1825. I, inen button manufactured in 18 . Since this time

CABLES. Strong wied in the anehorin 1. Rope Cables manufuctured of her very frequently mai of the cocoa-mlit, ans on the Red Sea, of $t$ the date-tree. Hem formed of three prim three ropes, and ev latter having more the greater or less very large calles, 0 slips, are usuaily smaller ropes twist Cables of this surt harder, and more quently constructed thickness is not vo length by twiating length of the yam. rervice three cables, the sheet cable, the
cheese oss.; half for the use of the poor, and half to the informer.

And every such person shall keep a book of catry of receiving and shipping the goods, on pain ot' 2s. 6d. for every firkin of butter and weigh of cheese.

The anaster of a ship refusing to take in butter or cheese lefere he is full laden (except it be a cheesemonger's own ship sent for his own goods) shall forfeit for every firkin of butter refused 5s., and for every weigh of cheese 2s. 6ci.
This Act does not extend to any warehouse in Clieshire or Lancashire.

The total product of butter in the United States in 1850 was $313,345,306 \mathrm{lbs}$., and in 1860 $459,681,372 \mathrm{lbs}$. The States in which the largest amounts are produced are New York, Penusvlvania, Ohio, Illinois, Indiana, Michigan, Misfouri, Iowa, Maiue, Kentucky. Each of these States procinced in 1860 ovor 10,000 lbs.
butter made in hot ountries is generally liquid. In India it is 1 rminated ghee, and is mostly piepared from th milk of buflaloes; it is usually conveyed in: duppers, or bottles made of hide, each of which contains from 10 to 40 gallons. Ghec is an article of considerable commercial importance in many parts of It dia.

13UTTONS (Dutch, knoopen; Fr, bonton; Ger. knöpfe; Ital. bottoni; Russ. logowizü; Span. botones). Well-known articles, serving to fasten clothes \&c. They ar? manufactured of an cadless variety of mnterials and forms.

The chicf seat of the button manufacture in England is Birmingham, which fifty years ago not only enjoyed the supposed advantages of $n$ rigorons protective system, but exported largely to the Continent and the United States. At first it seems buttons were made with the reedle, and various Acts of Parliament were passed in favour of the persons eagaged in this industry. The gilt button trade commeaced about 100 years ago. Covered buttons made by machinery wero introduced at the beginning of the present century, and the qexible shank button was patented in 1825. Iinen buttons for underclothing were first manufactured in 1811 .

Since this time various materials bave been
employed. The use of hoofs for the manufacture of 'hors buttons' commenced in France. These were fillowed by the vegetable i;ory button, a materitel of which we aro informed fifteen to sixteen tons a-week are consumed in liirmingham. In 1860 Mr . Manton patented a mineral button, the use of which is rapidly increasing. Metal buttons have still maintained their ground, being needed fur military and other uniforms, though they are not manufactured in equal quantities to those of twenty-five years ago. Mr. Wright, of Birmingham, computes the consumption of metal in such buttons at from nine to twelve tons a -week.
l'earl buttons are manufactured from shells. The finest of these are called Macassar, and the ahells are wortl from 140 l , to 160 l . the ton. The Manilla shells are worth from 100l. to 120l., those of Bombay and Alexandrin from 70l. to 801., if of good quality, the poorest being those from Panama, and worth from about 20l. to 30l. 'the manufacture of pearl buttons is declining. Glass buttons are also made.
'lhe number of persons engaged in the Birminghan button trade is calculated by Mr. Turner at about 6,000 .
'The chicf seats of foreign manufacture are the Rhenish provinces, Buhemia, Vienna, and P'aris. The production is so considerable in the United States as to have met the enormous demand during the late war withont any foreign importation. (The Industries of Birmingham \&c.)
It might lave been supposed that the manufucture of such an article as this would have been left to be carried on according to the views :ad interests of those concerned, individuals being allowed to select any surt of button they pleased. Such, however: has not been the case; and various statutes have been passed, pointing out the kind of buttons io be worn, and the way in which they are to be made!. Most of these regulations have luckily fallen iuto disuse, but they still oceupy a place in the statute-book, and might, we presume, be enforeed.

In 186C, metal buttons to the value of 27,2981 ., and other kinds to the value of 97,6891 ., were imported into the United Kingdom, principally from Holland, Hamburg, and F'rance.

CABLES. Strong ropes or chains, principally used in the anchoring or mooring of ships.

1. Rope Cables are, in Europe, principally manufactured of hemp; but in the East they are very frequently made of coir, or the fibrous part of the cocoa-mit, and in some places, particularly on the Red Sea, of the coating of the branches of the date-trec. Hemp cables are for the most part formed of three prinuipal strands, every strand of three ropes, and every rope of three twists; the latter liaving more or fewer threuds according to the greater or less thickness of the cable. But very large cables, or those used by the largest ships, are nsually formed by a combination of smaller ropes twisted round their common axis. Cables of this sort are stronger than the others, harder, and more compact, so that they are frequently constructed in this way even when their thickness is not very great. The reduction of length by twinting may be taken at about $\frac{1}{3}$ the length of the yam. Large vessels have ready for service three cables, which are usually designated the sheet cable, the best bower cable, and the small
bower cable; but besides these, most ships have some spare cables. The ordinary length of a cable is from 100 to 120 fathoms.
2. Wire Ropes were first employed in the silvermines of the Hartz mountains, having proved more economical than flat hempen ropes.

The use of wire ropes for mining commenced in this country about 1840 . Now, however, the use of this material is gradually being aulopted in shipping. In the ease of stemmers and iron ships wire rigging is almost invariably used, and even in wooden slips, though there has been a prejudice again its employment, it is rapidly coming into favour, and tins export of it to the shipping and ship-building ports abroad is incroasing. It is calculated that the produce of wire ropes in the Tyne, Wear, and Tees district was 4,500 tons in 1864, and was of the value of 170,000l. Wire ropes, weight for weight, are less costly than hempen fabrics. (Industrial Resources of the Tyne, Wear, and Tees.)
3. Iron Cables.-The application of strong iron chains or cables to the purposes of navigation is a
late and important diseovery, for which we are indebted to Captain Samuel lirown, R.N. In 1812 the Admiralty adopted chain cables in the navy. It is simgular, inlecd, that this application should not have beet made at a much carlier period. On rocky bottoms, or where corsl is abundant, a hempen cable speedily chafes, and is often quite destroyed in a lew months, or perhaps days. A striking instamea of this occurred in the voyage of discovery under the orders of M. Bougainville, who lost si.e inchors in the space of mine days, and narrowly escuped shipwreck; a result, says that able scaman, which would not have happiened 'si nous enswions été munis des quelques chaines de fer. ('est une précuution que ne doivent jamais oublier tous les navigateurs destinés ì de parcils voynges.' (Voyage autour du Momie, p. 207, 4to ed.) The work from which this extract is taken was published in 1771; and yet it was not till nearly fort! years after that any attempt was made practically to profit by so judicious a suggestion. The diflicnlties in the way of inporting hemp from 1808 to 1814 , and its conserfuent high price, gave the tirst great atimulus to the manufacture of is a cables.
Iron cables are comstructed in different ways. (Encyc. Metrop.) 'Iheir great weight cortributes to their strength, inasmuch as the impulso of the ship is checked before the cable is brought nearly to $n$ st raight line, or that the strain approaches to a maximum. Bolts and shackles are provided at every fathom or two fathoms, by strikiner out which the ship may, if necessary, be detached from her anchors with less difficulty than a hempen cable can be cut.

If properly made, iron cables are a great deal strenger than those of hemp; and as to clurability no scrt of comparison can be made. No wonder, therefore, that they should be rapidty superseding the latter, which nre now nlmost wholly laid aside in the navy, and, to a great extent, also in the merchant service.

Testing of Iron Cables.-In addition to iron cables, iron chains are now frequently used in the rigging of ships; and there can be no doubt that both the one and the other are great improvements, provided they are properly made. and of the proper degree of strength. 'The tatter, however, is a sine quâ non, without which ships, their cargues and crews, are exposed to the preatest danger. And hence we are clearly of opinion that all chain cables, chain ropes, and anchors should not be left to be tested by the maker, but that before being offered for sale they should he carefully tested in public proof-honses. We regret to have to state that there can be no possible doubt that cables, anchors, and iron chains of a very worthless description were till lately sent in large quantities into the market, and that a great deal of property and many valuable lives were consequently lost. A shameless abuse of this sort ought to be put down at all hazards: it is injurious alike to the public and the bonest manufacturer, and is' a disgrace to the Goverument by whom it is tolerated. And do what we will, it cannot be suppressed except by prohibiting the sale of all cabtes, chains, and anchors not subjected to a pubtic test, and marked as approved by the examiners. We might refer, were it necessary, in proof of the statements now made, to a paper put forth ly the operative chain-makers. The abuses which it discloses are of the most discreditable character, and call imperatively for redress. [Ancions.]

We subjoin an abstract of the Aet $27 \& 28$ Vict. c. 27, passed to remedy the evils complained of :-

1. Any corporation, public body; or company
may erect and maintain proving establishments, apparatus, and machinery suitable for the testing of chain cahles or anchors, and may raise money for that purpose.
2. The Ibuard of Trade may grant to any corporation, pollic body, or company, person or persons erecting any suitable proving establishment, apparatus, and machine-y, license to test chain cables and anchors under this Act, and the board may suspend or revoke any such license so granted: and the expression 'tester' in this Aet applies to every corporation, public boly, or compiny, person, or persons to whom such license shall be granted, such license not to be granted until the provinis establishment, apparatus, and machinery erected have been inspected and certitied as eflicient by an insjuector appointed under this Act.
3. The Board of Trade to appoint a fit person to nct as inspector of such proving establishments, apparatus, and machinery, and may at pleasure remove such inspector from lis oflice, who must conform to any regulations made by the lloard.
4. Any license granted to be renewahte ammally, but not until the proving establishment, apparatus, and machinery, in respect whereof such license was granted, have been inspected and certilied by the inspector within that year.
5. On the original grant, and on every anmual renewal of such license, a fee not exceeding tifty pounds to be paid to the loard of Trade, and to be jy them paid into the Exchequer.
(i. The inspector to receive such salary and allowances as may be directel by the lioard of Trade nnd Treasury, out of money to be provided by Parliament for the purpose.
6. Vivery tester shall, with all reasonable despatch, sulyject every chain cable or anchor that shall be brought to his proving establishment to the same tensile strain as that to which chain cables and anchors respectively of similar size, weight, or description are subjected before being uscil in her Majesty's naval service, nud shall stamp every tive fathoms in length of every such chain cable, and also every such anchor, with a stamp or die to be provided for that purpose by the tester, and approved by the loard of Trade, denoting that sach chain cabte or anchor has been 'proved,' and which shall bear the mark of the tester.
7. Every tester may make such charges as he thinks fit for the testing and stamping witit proof mark any chain cable or anchor not exceeding the scale authorised by the loard of Trade; and such tester shall atlix upon some conspicuous part of the proving establisliment a table of the charges so authorised, and such table shall distinctly bo painted on a bourd or boards, or printel in lcgible characters on paper affixed to such board or boards; and it shall not be lawful for such tester to make any alteration in such table or charges until such alteration be approved by the lhoard, and the tester shall have caused written or printed notice of the intended alteration to be affixed to such table for not less than three months.
8. Any testcr may detain any chain cable or anchor so tested until such charge shall be paid; and if not paid within three months after the testing he may sell the cable or anchor by auction, and out of the purchase moncy deduct the expenses of sale, and all other expenses incurred by such with respect to the cable or anchor, and shall pay the surplus (if any), on demand, to the owner or to the captain or master of the vessel, or other person on whose application the cable or anchor had been tested.
9. When any tester shall have tested and
stamped any ch quested by the same was teste testing, deliver,
certificate of suc
10. After first and sixty-five it of or dealer in $e$ contract to sell f cable whatever one hundred an chain cable or an tested nud duly acts in contrave for every such vietion for the s: or in Scotland b gistrate, be liable pounds.
11. If any pers ing any chain cal any tester, or witl be the stamp of at of the tester whos or counterfeited, o for tho purpose or such chain cable or ing in the same
anchor duly tested nrehor duly tested of this Act, or if chain cable or anc marked or stampe same, or shall deli be taken or used as vessel, or if any per
to any person any to any person any ing to be a certifi chain cable or anch under the provision chain cable or anch or document had $n$ every person so of misilemeanor, or in erery such misdeme in the discrction of any term not excect hard lnbour, and w fincment.
12. No maker of, anchors, ship-owner, son of this Act, or of relieved from any res chain cabte or ancho to which, but for th subject.
13. Nothing in th tracts made by the any chain cables or an dockyards or for the ships.
14. This Act shall one thousand eiglit $h$

CADIZ. A large of Spain, on its south and elevated extremit urt tonguc of land, proj N.N.II: about 4t naut on ail sides, excepte th lund, by the sca, and 1880, 71,521 . It ie w tance, a very striking lighthouse of St. Sclba side of the city, being $35^{\circ} 31^{\prime} 36^{\prime \prime} \mathrm{N}$., long. $6^{6}$ ronspicuous object to
the Atlantic. The lig is of great brilliancy
stamped any chain cable or a..chor, he shall, if re- |twiec a minute, and in fair weather may be secu quested by the person on whose application the same was tested, within one month after such testing, deliver, free of charge, to such person a certificate of such testing.
11. After first July one thousand eight hundred and sixty-five it shall not he lawful for any maker of or dealer in chain cables or anchors to sell or contract to sell for the use of any vessel any chain cable whatever or any anchor exceeding in weight one hundred and sixty-cight pounds, unless such chain cable or anchor shalf have been previously tested and daly stamped; and if any person acts in contravention of this provision, he shall for every such offence, upon a summary conviction for the same before a justice of the peace, or in Scotland before any sheriff, justice, or magistrate, bo liable to a penalty not excceding fifty pounds.
12. If any person shall stamp or assist in stamping any chain cable or anchor with the stamp of any tester, or with a stamp or mark purporting to be the stamp of any tester, without the anthority of the tester whose stamp shall have been so used or counterfeited, or with any other stamp or mark, for the purpose or with the intention of passing such chain cable or anchor, or of allowing or assisting in the same being passed as a chain cable or anchor duly tested and stamped under the powers of this Act, or if any person, knowing any such chain cable or anchor to have been so wrongfalty marked or stamped as aforesnid, shall sell the same, or shall deliver the same to any person to be taken or used as part of the equipment of any vessel, or if any person shall write out and deliver to any person any certificate or document purporting to be a certificate under this Aet, that any chain cable or anchor has been tested and stamped under the provisions of this Aet, knowing that the chain cable or anchor referred to in such eertiticate or document had not been so tested or stamped, every person so offending slaall be guilty of a misdemeanor, or in Scotland of an offence, and for every such misdemeanor or offence shall be liable, in the discretion of the court, to be imprisoned for any term not exceeding two years, with or without hard labour, and with or :yithout solitary confirment.
13. No maker of, or dealer in, chain eables or anchors, ship-owner, or other person, shall by reason of this Act, or of anything done tiercunder, be relieved from any responsibility in respect of any chain eable or anchor made, sold, or used by him to which, but for this Act, ho would have been subject.
14. Nothing in this Aet shall affect any contracts made by the Almiralty for the supply of any chain cables or anehors to any of her Majesty's dockyards or for the use of any of her Mnjesty's ships.
15. This Act shall continue in force to first July one thousand eight hundred and seventy-two.

CADIZ. A large commercial city and scaport. of Spain, on its south-western ccast, on the rocky. and elevated extremity of a narrow, low peninsula, or tongue of land, projecting from the Isla de Leon, N.N.W. about $4 \frac{1}{2}$ nautical miles. It is surrounded on all sides, except the south, where it joins the laud, by the sca, and is fortitied. Population, in 1860, 71,521 . It ie well built, and has, at a distance, a very striking appearance. The tower or lighthouse of St. Sebastian stands on the western side of the eity, being, according to 'Totino, in lat. $36^{\circ} 31^{\prime} 36^{\prime \prime} \mathrm{N}$, long. $6^{\circ} 18^{\prime} 30^{\prime \prime} \mathrm{W}$. It is a most ronspicuous object to vessels approaching from the Athantic. The liglit, which is I 60 feet high, is of great brilliancy, red and white, revolves
2.4 miles off.

Bay of Cadiz.-The entrance to this noble basin lies between the eity and the town and promontory of liota, bearing N.W. by N., distant about 14 leaguc. The bay is of very great extent, atiording, in most places, good anchorage. The port is on the eastern side of the city, where a mole of considerable dimensions has been eonstructed; but the water is not sufficiently deep to allow large vessels to approach nearer than within about $\frac{3}{3}$ mile, where they anchor in from 5 to 7 lathoms. The rocks ealled the Cochinos, the Puereas, and the Diamante, lie to the north of the eity in the entrance to the bay; the first two at about $\frac{18}{5}$ mile distant, and the Diamante at rather more than $1 \frac{1}{2}$ milu from the eity. Vessels may enter between the luercas and the Diamante; but none, except those not drawine more than 15 feet water, and well acquainted with the channel, ought to attempt entering between the Cochinos and luercas and the city. The town of St. Mary's, on the opposite side of the bay, is fimous for being the depot of the wines of Xeres. The outer bay, or that of Cadiz properly so ealled, is separated from the imer bay by the promontory having at its extrem: y the castle of Mataforda, which approaches within about $\frac{3}{4}$ mile of the P'untales castle on the Isla de Leon. Within the inner bay is the famous arsenal of the Caraceats, the town of Sa: Carlos, the canal of Trocadero \&e. At s!.ring tides the water in the bay rises 10 or IL feet, but nt neaps the rise does not exceed 6 feet. (For lurther particulars, see the excellent Chart of the Bay of Cadiz, by 'Tolino; Mahnan's Naval Gazetteer; and 1'urdy's Sailing Directions jor the Bay of Biscay, \&c.)

History, Trade \&c.-Cadiz is a very anciont city, having becn founded by the 1 liouicians about 1,200 years belore the Christian ara. The temple which they erected in it in honour of llercules was one of the most celebrated in antiouity. (Sainte Croix, des Anciennes Colonies, p. 14; 1'onjp. Mefa, lib. iii. c. vi.) lts excellent port, and its situation, favourable alike for commeree and security, have made it, whether possessed by Carthaginians, Romans, Moors, or Ch istians, and umder every vicissitude, a ${ }^{1}$ tace of considerable commercial and political importance. It has long been the principal station of the Spanish naval force. In 1720 the commerce with Spanish America, which had previously been exclusively carried on from Seville, was transferred to Catiz. It enjoyed this valuable monopoly till 1765 , when it was partially relaxed by the trade to Cuba, st. Domingo, Porto Rico, and the other islands, being opened to all the greater ports of Spain. The benefits resulting from this relaxation were so very great, that in 1778 the trade to all parts of America was opened to ships from every considerabl: Spanish port, except those of IBiscay, which, not being subject to the general laws of the kingdom, were not allowed to participate in this privilege. In eonsequence, howerer, of leer situation, the great capital of her merchants, and their established conaections, Cadiz contiaued, notwithstanding tne abolition of the monopoly, to preserve by far the largest share of the Ameriean trade. But sinco the colonies achieved their independence, her commerce has been eontracted within comparatively narrow limits; and thourd considerably increased of late years, it will not attain to anything like the extent to which it might arrivo without a total change of policy on the part of the Spanish Govermment. Barcelonin is at present the priacipal scat of Spanish commerce. (Rubertson's America, b. viii. passim; 'Townsend's

Travels in Spain，vol．ii．pp．395－401，2nd edit．；ports 8：0，000l．More than $\frac{3}{3}$ of the whole comes Mr．Gordon＇s Consular Meport，18t．1．）
The white wines of Xeres in its vicinity form by far the principal article of export from Cadiz． The quantity exported may amount to about 35,000 pipes a－year．The prices vary from $12 l$ ． to bisl．per pipe；but，as the lower qualities pre－ dominate，the prico mny bo taked，at a medium， at ubout $2 \bar{j}$ ．，making the total valuo of the ex－
to lingland．The other artieles of export are quicksilver，brandy，oranges and other fruits，vil， provisions，tlour，salt，wool tic．The imports consist principally of sugar and coffee from the Havannah und Porto Rico，cocon，hemp，flax， linens．dried fish，hides，cotton wool and cotton manufactures，coal and iron，rice，spices，indigo staves and timber \＆c．

Account of the Quantities and Values of the Principal Articles Importct from Spain into the Unitcal Kingdom during each of the three Years ending with 1866.

| I＇rincipal and other Articles | Quantities |  |  | Computed Real Vatue |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1861 | 1805 | 1865 | 1861 | 186．3 | 1866 |
| Animals ：oxen and bulls－－ma． | 8，291 | 8，209 | 8，190 | 112，175 | $\underset{115,74.4}{\text { f }}$ | ${ }_{1711}^{\text {¢ }} 2124$ |
| Copper ore tons | 3，772 | 2，741 | 1，1，3，5 | 20，611 | 12，095 | 15，${ }^{124}$ |
| Cork unwrought and part wrought＂ | 1，415 | 1，638 | 1，510 | 121,166 6,540 | 137，787 | 115.987 |
| torks，remly－made $\quad$－$\quad$ Phs． | 78，16．3 | 200，071 | 369，802 | 4，23．3 | 111，831） | 20，035 |
| Corn：wheat－－crit． | 1，821 | 145，361 | 574.035 | 887 | 60， 674 | $33^{2}, 7 \times 4$ |
| wheatmeal and flour | 12.5 | 8，39．5 | 2．33，14，5 | 75 | 5，76．5 | 207，484 |
| Cotton，raw－－$\quad \because$ | 11，310 | 831 | 116 | 1878837 | 7,507 | 1，012 |
| Fige－－－great humilreds | 51，165 | 31，325 | 80，0．5．5 | 16，945 | 10，910 | $27 \times 3.3$ |
| Fruit ：almonds，not hitter－－cwis． | 10，277 | 110043 | 12，611 | 62.117 | 4 8,361 | 65,271 |
| figs－－－＂\％ | 6，104 | 7，991 | 12，158 | 4，52 | 5，738 | 8，969 |
| grape，－－bushels | 44， 227 | 30，397 | 40,374 | 3．5，462 | 29，815 | 45，731 |
| nuts，chestnuts | 10,001 $174,4 \times 2$ | 1,198 220,131 | 285， $\begin{array}{r}2,12 \\ 2859\end{array}$ | 4，376 13.169 | 186，975 | 16.10 .688 |
| oranges and lemnns－＂， | 279，651 | 1711，273 | 618，705 | 142，414 | 211，491 |  |
| raibins－－cwts． | 2．3．3，63： | 26 6,415 | 258，2x7 | 319，755 | 420.862 | 40ti， 116 |
| Ironore－－－tons | 4，3927 | 37，121 | 27，619 | 34．887 | 29，176 | 22，1tin |
| d，eat，pig and sheet | 25，706 | 27，174 | 31，175 | 173，501 | 549，113 | 604.163 |
| Liquorice，juice and paste－－cwis． | 93 N | 741 | 210 | 2，3115 | 1.706 | 473 |
| Madder－－．－ | 8，8．8 | 3，726 |  | 16,1018 | 6，718 |  |
| Manganese ore－－－tons | 16，54 | 21，3．55 | 25，2．59 | 67，275 | 7x，14，8 | 12：5，316 |
| Dil，olive－－－turia | 3，131 | 11，919 | 2，927 | 176，572 | 621,446 | 163，6．33 |
| Wre，unenumerited－－value |  | 16．39 |  | 2．516 |  |  |
| 1＇rites of iron or copper－－tons | 4，15，509 | ${ }_{1}^{16,395}$ | $\begin{array}{r} 11.910 \\ 2.401 .31 \% \end{array}$ | 41，813 | 153，510 | 36，911 |
| Quicksilver Kags and oth，r materiata for making－lbs． | 4，511，350 | 1，261，253 | 2，401，31\％ | 183，056 | 1，0，376 | 210，195 |
| pdper ：viz．Vegestule fibre ！tuas | 41，339 | 47，239 | 6．5，8：9 | 202，659 | 2．16，251 | 295，197 |
| Silfiron－－－－liow． | 3，167 | 3，159 | $3 r^{3} 12$ | 5，0．50 | 8.801 | 6,143 |
| Silver ore－－－tens | 869 | 1，124 | 118 | 39，150 | 57，711 | 22，610 |
| Spelter－ | 509 | 3，515 | 11，801 | 1，967 | 14，299 | 48，3，7 |
| Wine－－Kallons | 7，791，025 | 5， $891,52.3$ | 6，471，${ }^{3}$ | 2，479，594 | 1，539，017 | 1，950，6775 |
| Whol，sheep and lambs $\quad: \quad:$ lits | 712，111 | 115，611 | 123，038 | 58，679 | 101，${ }^{9,774}$ | $\begin{array}{r} 9, \times 2 \\ 109,130 \\ \hline \end{array}$ |
| Totil | － | － | 二 | 6，8：9，70．5 | 4，769，271 | 5，553，1，33 |

Account of the Qurntities and Values of the Principal Articles of British and Irish Produce Erported from the United Kingdow to Spain in each of the three Y cars ending with 1866.

| I＇rincipal and other Articles | Quantities |  |  | Declared Rest Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1861 | 1865 | 1866 | 1864 | 186.5 | 1866 |
| Akali，zoda - ewts． | 52，312 | 61，596 | 60，315 | 27，764 | $\underset{35,359}{\text { ¢ }}$ | $\stackrel{\boldsymbol{x}}{\mathbf{x}, 251}$ |
| Arms and ammunition ：fire arms（sima！${ }^{\text {a }}$－no． | 2924．5 | ＋16 | 60，36 | 230 460 | 30， $1!11$ | 216 |
| Apparel and hakerdashery－gunowder－lbys | 22，400 | 510 | 60，704 | 461 46,763 | － 111 | 4899．5 |
|  | 366 |  | 18 | 46，763 | $\begin{array}{r}37,048 \\ \hline 219\end{array}$ | 48，458 |
| Cartages of all corts－－$\quad$－ | 817 | 45 | 14 | 94， 201 | 219 4,825 | 1，203 |
| Coas，einders，and cuim－－tons | 534，246 | 465，816 | S11，032 | 280，773 | 251,164 | 297，498 |
| Copper，wrauglit and unwrought－－cwis． | 2，132 | 2，1813 | 1，612 | 12，442 | 10，349 | 7，titi4 |
| Cotton yarn－－－${ }^{\text {chas．}}$ | 154，915 | 193，979 | ${ }_{2}^{188,515}$ | 24，668 | 29,521 | 35，729 |
| Coltons，entered ly the yard ${ }^{\text {at ratue }}$ ：yards | 3，418，235 | 2，446，342 | 2，233，543 | 131，870 | 82,663 | 80,110 |
| Druss and chemical products athe $\quad$ ：value | ， |  | 二 | 16,185 12,150 | 12,450 12.958 | 18，141 |
| Firthenware and porcelain＊ |  | － |  | 3，315 | 2， 2,689 | 2，097 |
| Vith：tial and ling－－－cwes． | 33，900 | 31，179 | 24，280 | 34，817 | 32，948 | 28，3，38 |
| filime manufactures－－value |  |  |  | 4，135 | 2，407 | 1，217 |
| 1 lirdxares and cotlery，unenumerated $\quad$－cwts． | 16，179 | 12，176 | 13,469 18499 | 80，615 | 61，205 | 62.751 |
| 1 on，wrought and unwrought ：$\quad$ tans | 4i3，375 | 37，708 | 11，${ }^{28,499}$ | 448， 166 | 261.709 | 179，410 |
|  | 13．599，091 | 11，892， 123 | $11,8,310714$ 891,479 | 9，36，1100 | 703，156 | 7．12，010 |
| Linens，enterd by the yard at value ：$\quad$ ：vards | 1，640，119 | 1，412，87\％ | 891，479 | 88,790 1,168 | 69,348 3,829 | $516,16.5$ 4,379 |
| Machinery：stean engines－－＊ | － | － | － | 113，907 | 77，708 | 22，143 |
| Oid seal all other soris－： |  |  |  | 147，821 | 75，289 | 69， 266 |
| Oil，eed－－－gals． | 161，021 | fi，4：3 | 78，185 | 21.510 | 9，132 | 12，i＋4 |
| 1＇aimters＇colours－${ }^{\text {l＇rovisious，not otherwise described－value }}$ |  |  |  | 11，340 | 7，014 | 5，243 |
| ，Provisions，not otherwise described－－Ibs． |  |  |  | 2，415 | 679 | 2，294 |
| silk，thrown and yarn manufactures $\quad: \quad 0 \quad$－vilua | 2，751 | 1，202 | 287 | 1，960 | 918 | 249 |
|  | － | － | － | 21,943 $\mathbf{2 , 9 3 6}$ | 16,068 2,731 | 10，9，39 |
| Tin，unwrought－－－cwis． | 3，536 | 2，178 | 3，173 | 18，879 | 14，258 | 11，062 |
| Woollen plates－：value |  |  |  | 34，795 | 37，562 | 41，817 |
| Wonlen and worsted yarn Woollens，entered by ihe yard（including thnse） | 33，618 | 2，778 | 22，930 | 7，060 | 3，999 | 3，671 |
| $\left.\begin{array}{l}\text { Woollens，entered by ine yard（incluting thnse } \\ \text { formerly entered liy the puece）}\end{array}\right\}$ yards | 2，347，081 | 1，257，235 | 1，037，091 | 164，959 | 101，403 | 78，161 |
|  | 二 | 二 | － | 12,771 $219,1.40$ | 9,258 203,305 | 4，4，214 |
| Total $\quad . \quad$. | － | － | － | 3，084，778 | 2，177，4 16 | 2，09．5，8\％4 |

In the years 1861－3 the shipping of Cadiz was as fullows：－

|  | 1861 | 1862 | 186．5 |
| :---: | :---: | :---: | :---: |
| Kintered and cleared with cargoes－ | 2，281 | 2，155 | 2，378 |
| Tonnage of ditto－－ | 500，6i6 | 611，507 | 339，111 |
| Tonnage ví coasting trade， entered | 180，905 | 218，524 | 2\％4，305 |
| Ditto clenred | 135，669 | 16，724 | 159，20ti |

In 1865， 409,497 tons of coal and coke were im－ porterl into various Spanish ports．
The wine exports of Cadiz for 1866 （taking Xeres and Port St．Mary together）are estimated by Mr．Consul Dunlop at 60,000 butts．See also Mr．Savile Lumley＇s note of May 4，1867，on the Wine Trade of Spain，published among the Re－ ports of Secretaries of Embassy and Legation．

The total am in the year 186 to Brazil，Prussi Mr．Consul Gı table in his lie number and nat Cadiz in 1866：－

## French

French
Suedish and N
Jeallan ：
Juteh
Itasplan
portuguese Ameruesan
Amorn 1＇ruwsian
Austrian Austria
Bank of Cadiz． tablished with spe to issue notes．I 1 but are still in cir in diseredit．

Banks．－Some Cadiz，joint－stock legitimate discou more respectable who advance on banking business．
（iold Isabella nt 10 ）reals plece or

Sliver dollar of ${ }^{2}$
Accounts are $k$ are sometimes also in circulation，and I which pass current Cadiz＇Napoleons．＇ rarely seen，and do Weights and ME is divided into 4 a each ： 100 lbs．C The common Spani Ibs．English．The y or 100 varas $=923 \mathrm{Er}$ sure for corn，is divi minas，or 576 quar quarters，and 5 lane or arroba，the meas 8 azumbres，and 3 sorts of arrobas， they are to each beingr equal to $4 \ddagger \mathrm{E}$ to $3 \ddagger$ do．A moyo o $=30$ arrobas of wir arrobas of wine，or 127t English wine
Port and other C 3，1852．－The ships cede an equal benefi to the vessels of $t$ on an equality iu islands with Spanis navigation and po anchorage，and load in the law of Apri decree of December shipping charges

For every change Besides this，from every pilot for the h

Puntales Fort dues te of port， 4 rray
LHkh
Lkhouse Anchoraged
If quarantined a $\mathbf{v}$

The total amomnt of salt exported from Spain in the year 1863 was $2,327,844$ hectolitres, chiefly to Brazil, Prussia, Russia, Sweden, and Lruguay,
Mr. Consul Graham Dunlop gives the following table in his Report of May, 1867, showing the number and nationality of vessels which entered Cadiz in 1866 :-


Bank of Cadiz.-This joint-stock bank was established with special privileges, and was permitted to issue notes. In 1864 the notes fell to a discount, but are still in circulation. The bank is therefore in diseredit.

Banks.-Some other smaller banks exist in Cadiz, joint-stock and private; but most of the legitimate discounting is accomplished by the more respectable of the merchants of the place, who advaace on wine, and do other ordinary banking business.


Accounts are kept in reals and eents. There are sometimes also doubloons and half-doubloons in circulation, and French five-frane pieces of silver which pass currently for 19 reals, called always in Cadiz 'Napoleons.' English gold and silver are rarely seen, and do not pass current.

Weights and Measures.-The ordinary quintal is divided into 4 arrobas, or 100 lbs of 2 mares each : 100 lbs. Castite $=101 \frac{1}{2}$ lbs. avoirdupois. The common Spanish pound of weight is about 2 lbs. English. The yard, or vara $=\cdot 927$ English yard, or 100 varas $=923$ English yards. The euhiz, or measure for corn, is divided into 12 fanegas, or 144 celeminas, or 576 quartillas; 100 cahiz $=19 \cdot 7$ Winels. quarters, and 5 fanegas $=1$ quarter. The cantaro, or arroba, the measure for liquids, is clivided into 8 azumbres, and 32 quartillos. There are two sorts of arrobas, the greater and the lesser; they are to each other as 32 to 25 ; the former being equal to 44 English wine gallons, the latter to $3 \frac{1}{4}$ clo. A moyo of wine $=16$ arrobas. The botta $=30$ arrobas of wine, or $38 \frac{1}{c}$ of oil. A pipe $=27$ arrobas of wine, or $34 \frac{1}{2}$ of cil. Hence the botta $=$ $127 \frac{1}{3}$ English wine gallons, and the pipe $114 \frac{3}{4}$ do.
Port and other Charges at Cadiz, fixed January 3,1852 .-The ships of all the natiens which concede an equal benefit in their respective territories to the vessels of the Spanish marine to be put on no equality in the Peninsula and adjacent islands with Spanish vessels for the exaction of navigation and port dues, i. e. of lighthouses, ancherage, and loading and unloading, established in the law of Apnl 11, 1849, and in the royal decree of December 16, 1851.
Shipping eharges \&c. at Cadiz are heavy.
Pilotage \{nrdinary for every vessel) 9 dollars 50 cents. If to 7 rocadero about 41. Ss. sterling
Carraca about 4t. sterling
For every change of anchorage 3 dols. 25 cents. Besides this, from 1 to 5 dols. are allowed to every pilot for the hire of his boat.

Puntales Fort dues (every ressel passing) 75 reals
Captain of port, 4 realis to 8 , accoiding to tomnage and rigg
Lishthouse dues if real per Spanish tuis Likhthouse dues 1 real per Spanish iun
Anchorage dues 1 "
If quarantined a vessel pays 25 reals per Spanish ton, daily.
N. B. All yessels arriving with a bill of health not countersigned by a Spanish consul or authority are quaraitined, generally for 3 or 4 days.
There is also a small tnx on vessels leaving, called 'consumos-dues,' which is levied according to crew and passengers. A most important branch of the import traile of Spain is the smuggling, which is now managed in the Custom-houses ns well as by the contribantistas. This is said to be an understood matter, and in the South of Spain, where free-trade toctrines are more prevalent than in Catalonin, it would be impossible to prevent smuggling, except by frec-tratle.

Customs Regulations.-Art. 1. Shippers of merchandise in foreign conntries shall present to the Spanish consul a statement in duplicate, aud withont corrections or erasures, of the goods they embark, expressing the name and nature of the yessel, and of the master, port of destination, description of the hales, boxes, packages \&e. \&c. to be shipped. their marks and numbers, class, quality, and quantity of the merchandise contained in each, in Spanish weight or measure, the consignees thereof, of what nation the produce and manufacture; if of the country whence shipped; and if not, of what other nation or fabric may be their origin, concluding the statement or note with a declaration that it details the true contents of the packages, and that they contain nothing else. There must be separate notes from each shipper and for each consignee.

Art. 3. From all these notes the consul is to form a gencral summary, with a copy of which, and one of each of the notes of the shippers, he is to form a true register of the cargo, to be delivered to the master in a sealed despatch (with wax and wafer), addressed to the administrador of the cus-tom-house at the port of destination. No merchandise can go on beard after delivery of the register to the master without subjecting all to seizure on arrival in Spain.

Art. 8. The master who, in the act of receiving pratique, shall not deliver to the administrador the sealed despatch or register handed to him by the Spanish consul shall pay a fine of 400 dols., the cargo discharged and stored until the consul shall remit a certified copy of the or: zinal notes presented by the shippers, and for which the administrador shall apply.

Art. 10. On examination by the administrador, in presence of the master, of these seaied despatclies or register, if they manifest marks or evidences of having been previously opened, the master shall be fined 100 dols. for this alone, and-

Art. 11. In case amendments and alterntions are observed in the notes, the master shall answer before the tribunal of finance for the crime of forgery, wihich he may be guilty of.
Art. 12. Where no consul resides, shippers must send their notes to the one nearest rosident, and the master shall receive from him these registers, with the understanding that merchandise from a forcign country shall not be admitted to entry which shall not come with the requisites detailed.

Art. 14. The exceptions to the above are cargoes of lumber, stnyes, cedfish, hides, conls, which it shall be evident come to the order of the master in search of a market; but in such cases a document of origin must be presented from the place of leading, specifying the quantity aboard of the vessel.
Art. 23. Within twenty-four honrs after anchoring (being visited), the master shall present to the administrador of the custom-house a manifest of the eargo de.
Art. 27. Fine of 100 dols. if the manifest be net presented within twenty-four hours.

Art. 38. Fine of 100 dols. for every package in excess, and 50 dols, for every one manifested less than what is expressed in the register made up by the Spanish consul.

Art. 39. If the manifest does net specify miwitely the contents of the packages of prohibited merchandise manifested in the transitu, they shall be landed and examined.

Art. 42. All goods must be manifested to speeitied consignees, in no case to 'order.' 'I he general term $m+r$ chandise is not recognised nor admitted, in which case the goods shall be landed and examined in the presence of the master or his agent, and if they shall be found to be illicit gosds, they shall be forfeitel, and the master tined 25 per cent. if they be worth more than 2,000 dols., and if less 500 dols. If the goods be of licit traflic, half the sums.

Art. 181. Transhipments prohibited.
Art. 182. Merchandise cannot be manifested in transitu for the port from which the vessel originally sailed, nor those touched at in the voyage.

## treasulfy depantaent-onder in council.

'Your Excellency will please to notify to II.M. consuls abroad that under ne protence they give course to the declarations or notes of shippers unlesy exactly in confornity with the customs regulations, nor despatch registers including arti cles of prohibited traflic, under the understanding that for the confiscations and tines which shall be imposed for defects in consular documentation the consuls themselves shall be aesponsible, notifying them alse that all the documents which they give course to must, without exception, be made in the Spanish language.
'Madrid, September 26, 1850.
In the Gaceta of Madrid of April 2, 1865, occurs an official notice with a royal decree, showing the exact state of the present Spanish Navigation laws, viz.-
'It is decreed that flour imported into the islands of Cuba and Puerto Rico shall pay duty (from July 1,1865 ) on each barrel of 92 kilograms $=200$ lbs. of Spain, as follews :-

1. Flour, the produceor Spaln, coming from Spanish ports under Cpanish flak
2. Coming from spanish ports under a foreign Aag
3. Foreikn dour under Spanish fak :-

The railway from Cadiz to Madrid has been completed. This will open a large inland trade advantagecus for Cadiz. The railway to Malaga has also been finished, and that to Granada and some interior towns will soon be opened. 'The journey from Cadiz to the capital per rail is now (1868) performed in about 25 hours.

Cadiz is the port of the whole slistrict, including Port St. Maria, Port Real, San Fernando, Puntales, Rota, Jeres, Seville, San Lucar, Cordova.

Although there is a good deal of fruit \&c. shipped in small steamers at Seville, and taken abroad, the long river navigation is against seville.

Spanish Commercial Policy.-It is the peculiar misfortune of Spain that every part of her political system has been alike vicious and objectionable. Iiad her commercial policy been liberal, it would, in some degree, have compensated for the defects in the distribution of property and political power, and would, no doubt, have given a powerful stimulus to industry. But, unluckily, it has been in perfect harmony with her other institutions, and was, in all respects, worthy of the favourite seat and stronghold of the Inquisition. From the reign of Ferdinand and Isabella down almost to yesterday. the graud object of the Spanish Government, next
to the extirpation of heresy, has been to exclude foreign manufactures from the Peninsula, and to preserve a monopoly of its markets, as well as of those of the colonies, to the home manufacturers. It is, however, almost needleas to say that their efforts to bring about this result liave been signally unsuceessful. Oppressive taxes, with the multiplication of fasts and holidays, the Govermment monopolies, and the balness of the roads and other means of communication, made it impossible for the Spanish manufacturers, even if they had evinced greater enterprise and industry than they have done, to produce manufactured urticles as cheap as the Euglish, French, and others less unfavourably situatel; and such being the case, it is plain that the prohibition of certain tescriptions of commodities, and the oppressive daties laid on others, conld have no effect except to suppress the legritimate commerce of the country, and to hhrow it wholly, or almost wholly, into the hands of smugglers. Any one who takes up a map of Spain must be satistied at a glance that it would be impossible for an army of customs officers to prevent her being deluged with smuggled protucts, provided they were materially cheaper than her native products; for, besides her extensive sea frontier, they may be introduced by way of France and Portugal, and also through the Basque Provinces, which iuave distinct laws, and enjoy an exemption from the cominercial code inflicted on the rest of the kingrom. We need not, therefore, be surprised that every effort to prevent the clandestine introduction of foreign products completely failed. The severities occasionally inflicted on the smugglers, insteal of abating, seem really to haye increased, the evil. Whe contraband trade has long been a favourite occupation, and has been engerly followed by the adventurous, the necessitous, and the desperate. It is believed that for nearly three centuries from 100,000 to 150,000 individuals have been pretty constantly engaged in this occupation; that is, they have been engaged in trampling on the laws, obstructing their officers, and committing acts of violence and blood. A few years ago about 3,000 actions were annually instítıted against contrabandistus and others engaged in illicit trade, which teminated in the ruin of a vast number of families; at the same time that the courts of law were tilled with perjury, and the country with bloody conflicts; and yet these atrocities secured no one object Government had in view.

Notwithstanding their being absolutely prolibited, English and French cotton goods might, in 1848, be bought in every shop in Madrid, and generally throughout Spain; the former at from 20 to 30 per cent. above their price in Gibraltar, where they are about as cheap as in Manchester; and the latter at from 20 to 30 per cent. above their price in Bayonne, which is nearly identical with their price in Rouen! While Cadiz was a free port, about 6,000 persens are said to have been employed in it twisting cigars, which, as soon as finished, were forthwith smuggled into the interior. 'Lhree-fourths, in fact, of the foreign trade of Spain were then in the hands of the contrabandistas, who carried it on in deliance of the law; and when such was the case, need we wonder at the low state of industry, or at the prevalence of those predatery and ferocious habits that uniformly mark the character of the smoggler?

And, strange to say, notwithstanding the ruinous influence of this wretched system was loug since expesed by Ulloa, Campomanes, and other distinguished Spaniards, and by Mr. Townsend and other foreigners who had visited the conntry, and notwithstanding all the vicissitudes Spain has
undergone during tinned to maintai Bitt the leading at length, satistie the old system, a year now mention tariff; and notwit sighted opposition new taiif was ha true that it leaves at the same time system by which especially valuabl introdnction of rational policy. importation were majority of instan greater number of prohibited are now The following are t
' Machines and cultural, manufact to pay a duty of fr

- Kaw material Spain, and used in industry, whatever
volue that it volue that it may per cent.
' Raw material si duced by Spain, p case, such as coal merchandise of fort compete with those maniffactured in Sp cent.'
N.B.-Cottons ar The duties on the $f$ per cent. ad valorem
- Foreign produce consumption, and 1
industry, to pay a m industry, to pay a m at the utmost 20 pe case.
'The duties hith preduce of foreign creasel.
'A discriminating charged on articles i and on those articld the support of the criminating duty ma The prolibited is and munitions of wa powder; quicksilver Admiralty, and repri by Spanirrils, during constructed of wood of 20 quintals each and maccaroni \&c. corn laws; books and authors, if notimport copyright; missals, of liturgy (dictiona devices, and militar in this prohibition) morality, or ridiculin! mon salt, tobacco, sho except for the privat preparations forbidde
Moderate expert di or galena, net argent; melted; litharge con slver per quintal; $p$
Prohibited Export province of Gerona; and upwards of silve galena; lead contain
undergone during the previous half century, it continued to maintain its ascendancy down to 18.19. But the leading Spanish statesmen having been, at length, satistied of the disastrons influence of the old system, a vigorous effort was made, in the year now mentioned, to introluce a more rational tariff; and not withstanding the seltish and shortsighted opposition of the Catalans and others, the new taiif was happily passed into a law. It is true that it leaves much to be desired: but it is, at the same time, a vast improvement on the system by which it was preceded; and it is especially valuable as being the first step in the iutroduction of a new and more liberal and rational policy. In a few cases the duties on importation were incrensed, but in the grent majority of instances they were reduced, and the freater number of the articles that were formerly prohibited are now admitted on payment of duties. The following are the bases of the new tariff, viz.-
- Machines and instruments necessary for agricultural, manufacturing, and mining operations, to pay a duty of from 1 to 14 per cent. ad valorem.
- Raw material not abundantly produced by Spnin, and used in tho operations of the national industry, whatever be the form or the increase of value that it may acquire, to pay from 1 to 14 per cent.
' Raw material similai to that abundantly produced by Spain, productive agents in the saite case, such as coal and cokc, and articles of merchandise of foreign manufacture which may compete with those of the same kind and quality manufactured in Spain, to pay from 25 to 50 per cent.'
N.B.-Cettons and silks come under this class. The duties on the former are generally about 35 per cent. ad valorem.
' Foreign produce and manufacture required for consumption, and not supplied by the national industry, to pay a maximuin of 15 per cent., and at the utmost 20 per cent. in every exceptional case.
'The duties hitherto levied on the celonial produce of foreign countries to be suitably increased.
'A discriminating duty of 20 per cent. to be charged on articles imported in foreign bottoms; and on those articles which contribute mest to the support of the national navigation the discriminating duty may be raised to 50 per cent.'
The prolibited imperts are arms, projectiles, and munitions of war, including all kinds of gunpowder; quicksilver; charts, published by the Admiralty, and reprinted abroad; maps and plans by Spaninrds, during copyright; cinnabar ; vessels constructed of wood of less burden than 300 tons, of 20 quintals each; grain, flour, biscuit, brend, and macearoni \&c. for soup, not admitted by the corn laws; books and taints in Spanish, by Spanish authors, if net imported by those individuals during copyright; missals, breviaries, and other books of liturgy (dictionaries, vocabularies, insignias, devices, and military ornaments are not included in this prohibition) ; pictures \&c. offensive to morality, or ridiculing the Catholic religion; common salt, tobacco, shoes, and ready-made clothing, except for the private use of travellers; chemical preparations forbidden by the sanitary laws.
Moderate export duties to be levied on antimony or galena, not argentiferous; black copper, roughly melted; litharge containing less tban an ounce of sulver per quintal; pig lead, raw silk.

Prohibited Exports.-Cork in the bark of the province of Gerona; litharge containing an ounce and upwards of silver per quintal; argentiferous galena; lead containing e4 drachms and upwards
of silver per quintal; cotton, hempen, and woollen rags, and worn-out articles of those materials.

The high discriminating duty on goods imported on foreign bottoms is the most objectionable feature in the Spanish tariff; though we can hardly be surprised at the Spaniards continuing to act on a principle that was acted upon down to a very recent period by the English and the Americans. We believe, however, that it will be far more injurious to themselves than to any one else; and that its effect will be to lessen and embarrass their trade without really providing cm ployment for Spanish merchantmen.

To the other facilities for smuggling in Spain must be added the venality and corruption of the customs ofllcers. Notwithstanding his espanolism, Mr. Ford bears testimeny to its universality. Ho says, " Every lock in Spain is to be picked with a silver key, and every difficalty smoothed by a properly adminisured bribe. The customs empleados have been defined to be gentlemen, whe, under the pretence of searching portmanteaus, take money on the highway without incurring the diagrace of begging or the danger of robbing ; and practically they worry honest travellers who won't pay them, as much as they facilitate those who will.' But, in truth, this venality is not confined to the revenue officers, but pervades and debases all classes, from the highest to the lowest.

The following information has been supplied to the editor by an eminent Spanish merchant:-
'To pass through the custom-house requires a regular education on the part of the merchant. The amount of duty to be paid depends mere on mutual understanding than on law. Such laws as are supposed to be in force are imperfectly worded as well as badly ndministered, and references to the Board of Customs at Madrid are incessant and vexations. There is little or no otlicial honesty ; there is a price for everything, business being vastly expelited by presents. This general corruption of Government officials is almost necessitated by the low rate at which they are paid. Of course uncertainty is fatal to successful trade.'

The writer illustrates the utter want of system in Spanish finance by referring to the fact that during the lnte dearth of cotton the exporters of Spanish goods to Cuba wished the Government to allow the importation of Spanish goods into that colony duty free, so as to expedite the export of Cuban cotton. The Government assented, but in practice neutralised the boen by annexing a condition that the duty should be paid in Cuba, but repaid to the experter in Spain. This neither met the difficulty nor checked smuggling: at last the Government saw and acknowledged its error; but the opportunity had passed away.

We incline to think that, allowing for smug gling, the import and export trade of Spain might each be estimated, previonsly to the late change in the tariff, at nbout $4,000,000 l$. sterling, or perhaps a little more; and the good effects of that change are already obvious, both importation and exportation having greatly increased, and a corresponding stimulus laving been given to industry. This has been further increased by the opening of railways, the formation of companies for steam-navigation, banking \&c. In 1856 the duties on imports and exports amounted to $352,936,000$ reals. The trade of Spain by sea during that year employed in the out and home voyages 9,660 Spanish vessels of the aggregate burden of 500,870 tons, and 9,357 foreign ships of the aggregate burden of $1,217,488$ tons, showing that the foreign vessels employed were more than double the size of the Spanish.

The great articles of export from Spain consist (exclusive of silk manufactures) of raw proilucts. Of these, wine, olive oil, wool, fruits of varions kinds, lend, quicksilver, brandy, cork-wood, salt, raw silk, wheat \&c. are the most importnnt, and nre almost all susceptible of an indetinite increase.

The great articles of import are colonial products, obtained principally from Cuba, Porto Rico \&c. ; cottons and cotton wool; linens, linen yarn, woollens, with, of late years, Inrge quantitics of iron and machinery, coal de. from liugland; salted fish, hardwre, glass, and carthenware; timber, rice, hides, butter and cheese \&e. Subjoined is
An Account of the Value of the Principal Articles (including Bullion and Specie) Exportcd from Spain and the Bulcaric Islunds in each of the Years 1861, 1862, and 1863.

| Principal drulcles | 1861 | 1862 | 1863 |
| :---: | :---: | :---: | :---: |
| Animals, llving | $\begin{gathered} \text { reales } \\ 19,679,102 \\ \hline \end{gathered}$ | 17,613,730 | $\begin{aligned} & \text { reales } \\ & 16,601,702 \end{aligned}$ |
| Hooks, printed | 1,852,800 | 1,369,5\% 1 | 4,542,2.36 |
| Coals, veqetable | 9,545,130 | 6,121,125 | 1,223,306 |
| Cork, in sheets and re3dy.made | 38,996,614 | 33,400,374 | 1,222, 123 |
| Flah, of all kinde | 2,365,20x | 3,765,899 | 1,213,758 |
| Flour - | 145,212,460 | 86,511,352 | 75,001,402 |
| Frilt:Olires |  |  |  |
| Almonds: |  |  | $\begin{aligned} & 3,106,851 \\ & 12,286,539 \end{aligned}$ |
| Dry, not otherwlse named |  |  | 2,090,953 |
| named | 109,335,-26 | 143,003,454 | $2,090,953$ $8,199,3<9$ |
| Nuts, small |  |  | 9,4\%0,373 |
| Oranjes and lemons |  |  | 0,486, ${ }^{\prime \prime} 18$ |
| Kalsin |  |  | 71,482,854 |
| and seeds - | 61,297,818 | 30,363,377 | 1.241.560 |
| Hemp:- |  |  |  |
| Drensed | 1,129,200 | 761,200 | ,799,504 |
| Manufactut - of, and of cotton |  |  | 8 |
| 1 liden, of all kinda |  | 3,514, 775 | 6,020,051 |
| Liquorice, julce and paste |  |  |  |
| Meat, salted. | 3,717,476 | 5,016,356 | 3,125,19, |
| Metals | 132,636,276 | 141,414,825 | 157,274,350 |
| On:- |  |  |  |
| Oive | 34,126,1\%0 | -8,670, 80 | 96,016,346 |
| Ores, of all kinds | 25,68, 9,91 | 33,446,570 | 44,15,5,146 |
| Paper, of all kinds | 6,348,009 | 6,123,630 | 14,602, ${ }^{2} 24$ |
| Plants and herbs | 6,089, 16 K | 12,974,08: | 3,4,51, 996 |
| Preserves | 4,110.643 | 2,193,760 | 7,205,6,63 |
| Safiron | 8,995,000 | 18,060,090 | 17,011,34.3 |
| Salt, common | 16,706,741 | 20,636,2.54 | 16,759,767 |
| Shoes, of all kinds | 8,157,776 | 11,653,586 | 11,585,500 |
|  |  |  |  |
| Nanufactures of | 4.1 | 2,112,516 | ,205,6\% |
| Kaw and wasle | 4,427,778 | 4,401,170 | 1,tif)2,5.57 |
| Soap, hard - - | 21,000,150 | 20,648,520 | 18,566,040 |
| Esparto grass, stemmed and unstemined | s, 7 79,4i0 |  | 3,169,661 |
| Spirita and hqueurs - | 21,950,400 | 20,13, 210 | 13.7\%, 718 |
| Sugar - | 3,1124,745, | 2,993,5\%2 | 3,6i23,510 |
| Wine | 331,275,490 | 313,114,950 | 343,107,581 |
| Manufacture | 2,097,785 |  | 980,132 |
| Washel, unw ashed, |  |  |  |
| and waste | $\begin{aligned} & 30,098,749 \\ & 95,031,541 \end{aligned}$ | $\begin{aligned} & 30,961,078 \\ & 4 \times, 207,196 \end{aligned}$ | $\begin{aligned} & 26,119,291,291 \\ & 59, \times 06,884 \end{aligned}$ |
| Total of princl-7 reales pal and other articles | $\left\|\begin{array}{r} 1,269,500,460 \\ 12,645,005 \end{array}\right\|$ | $\begin{array}{r} 1,110,532,270 \\ 1!, 105,322 \end{array}$ | $\begin{array}{r} 219,871,094 \\ 12,198,710 \end{array}$ |

The importance of the trade that Spain formerly carricd on with her vast possessions in the New World was, at all times, much exaggerated; and slice in truth, was little better than an agent in the business, the greater part of the goods sent on Spanish bottoms to the colonies being, in reality, the property of joreign merchants. Spain, notwithstanding the emancipation of Mexico and South America, has still some very valuable colonies; and, if vothing else can, the astonishing progress made by Cuba and Porto Rico since the abolition of the prohibitive system should satisfy her of its ruinous tendency.
Wool used to be a leading article of import into this country from Spain; but now, though our imports of wool have vastly increased, they are principally supplied by our possessions in Australia, Africa, India de. The quantities brought from Spain have, indeed, become quite
inconsiderable; so much so, that while in 1866 she supplied us with only $123,058 \mathrm{lbs}$., onr total imports amounted to the immense quantity of $239,358,689 \mathrm{lbs}$ ! Winc, raisins, olive oil, huts, lead, copper ore, enttle, nud quicksilver are at present the principal articles imported juto tho United Kingdom from Spain in ordinary years, Sometimes, however, she supplies us with large quantities of wheat and flour. And the completion of the railway from Santander to Leon and listremadura, two of the finest wheat-growing provinces of Europe, will make the I'eninsula one of tho principsl sources whence we may at all times drnw large supplies of these indispensable articles. Previously to the alteration of the tariff in 1819 the declared value of the direct exports from the United Kinglom to Spain varied from $500,000 l$, to 800,000l. a-year; whereas they amounted, at ant average of 1865 and 1866 , to $3,079,2571$, a-ycar, while our imports thence in 1867 are valued at 6,088,389l. I his is a great increase; still it may be safely affirmed that our trade with Spain does not yet amount to $\frac{1}{3}$ of what it would be were she to adopt a really free commercial system.

Some portion, though far less now than formerly, of the exports to Portugal, Gibraltar, and Malta find their way, by tho intervention of the smuggler, into Spain.

Owing to the badness of the roads, and their unfitness for carriages, the principal carriers of merchandise are the arrieros, or muletcers, who traverse the country in all directions along beaten tracks, many of which are accessible only to them. They form a large portion of the provincinl population, and, on the whole, have a good character for honesty to their employers, though they are nearly all, more or less, eligaged in smuggling transactions. The extent of this traffic may be estimated from the fact that about three-fourths of the entire inland traffic in corn is carried on by their means. Waggons have, however, been introduced on all the practicablo roads; and should the latte: be improved, the business of the arrieros will proportionally fall off.

There can be no reasonable doubt that, but for the system of misrule to which Spain has been subjected, her commerce would have been very extensive. Her natural advantages, superior to most, and not inferior to those enjoyed by any other kingdom; her wines, brandies, fruits \&c.; her wheat, of which she might produce the largest supplies; her wool; ber iron, which is of the best quality; her lead and quicksilver mines, respectively tho most productive in the world; the number and excellence of her harbours; the cnterprising and adventurous charncter of her inhabitants, and her fnvourable situation, would, were she permitted to avail herself of them, raise her to a very high rank among commercial nations. Let the Government follow up what it has so well begun, by ceasing to counternct the intentions of nature; let molerate duties take the place of prohibitions, and freedom of rerrulation, and all sorts of industrious pursuits will revive from tho deadly lethargy in which they have been so long sunk.
[We are indebted to Mr. Graham Dunlop, her Majesty's consul at Cadiz, for corrections in this article, as well as to his Report of May 20, 1867, for further information. ]
CAGLIARI. The capital of the island of Sardinia, on the north-east shore of a spacious bay on the south coast of the island, lat. $39^{\circ} 12^{\prime} 13^{\prime \prime}$ N., long. $9^{\circ} 7^{\prime} 44^{\prime \prime}$ E. Population, in 1862, 30,005. The city stands on a rising ground, and has an imposing effect from the sea. The public buildings and churches are numerous, and some of them
splendid; but the narrow, stecp, and

The Gulf of Cag west to Cape Carb alont 24 miles as with good anchor into somudings. A olliee, and slips us S. from it, in 6 or 8 bottum of mud. I harbour at the sol capable of containi size, besides small $c$ of the best and saf
There are two lig the other at the e former gives a red harbour lights are a

Imports and Exp Sarlinin is carricd fish ou its const and Sicilians, Nenpolite Corn is the principa years the exports imount to 400,000 bushels, of wheat, 2 ditto of maize, 100
ditto of peas, 1,000 ditto of peas, 1,000 projected railways would increase. The
becoming of more i becoming of more i
Catalan pipes are Alghero and Ogliast object in the rurnl ec siderable quantitics a monopoly, and affo Flinx, linseed, hides, $\& c$. are among the ar and cornl fisheries el bot, is already obser managed by foreignes
Almost every artic gentry or the peasa stationery, glass, enr well as sugar, coffec supplied by forcigners Sards possess many $\mathbf{r}$ were successfully wrd once moro becoming thear iron and steel carricd on in the isld salt, tobacco, and woo
By far the largest the island is forward of the kiugdom. Th is said to have amou 3 ycars ending with 1

| Almonds Bacon and salt meat |
| :---: |
| Barila |
| Beans |
| ${ }_{\text {colle }}$ |
|  |
|  |
|  |
| These | lbs. 267, 0 lis. 315,3,

cwtc. 5,8 , | cwtc. 5,8, |
| :---: |
| qra. | qra. 13,0

no. 22,9
wis. 49,2, lbs. 70, ! But the returns fo striking fulling off in lead ore.
The following was 1864 and 1866 :-

## Entered \{ Foreign |clerred $\left\{\begin{array}{l}\text { Forelgn } \\ \text { l:oaving }\end{array}\right.$

The following repres trade with the island 1861-5:-
splenilid; but the atreets are, for the most part, narrow, steep, and filthy.

The (iulf of Cagliari extends from Pula on the west to Caje Carbonara on the east, a distauce of nbout 24 miles across, and about 12 in depth, with good anchorago everywhere after getting into somulings. A mole projects from the Pratique olliee, and ships usually lie about 1 mile S.W. by S. from it, in 6 or 8 fathoms water, on an excellent buttom of mud. There is a very convenient pier harbour at the south angle of tho tower wall, capable of containing 14 or 16 vessels of a tolerable size, vesides small eraft. Altogether, Cagliari is one of the best and safest ports in the Mediterranean.

There are two lighthouses, one on Fanale l'oint, the other at the entrance of the harbour. The former gives a red flash every two minutes. The harbour lights are also red.

Imvorts and Exports.-Almost all the trade of Sardinia is carried on by strangers ; and even the fish on its const and in jts harbours is caught by Sicilians, Neapolitans, Tuscans, and Genoese. Corn is the principal article of export. In good years the exports from the whole island may ameunt to 400,000 starelli, or about 500,000 bushels, of wheat, 200,000 starelli of barley, 6,000 ditto of maize, 100,000 ditto of beans, 200,000 ditto of jeas, 1,000 ditto of lentils. Were the projected railways made, no doukt these exports wonld inerease. The culture of vines is gradually becoming of more importance; and about 3,500 Catalan pipes are exported, principnlly from Alghero and Ogliastro. Checse is an important object in the rural cconomy of Sardinia, and considerable quantities are exported. Salt is a royal monopoly, and affords a considerable revenuc. Flax, linseed, hides, oil, saffron, rags, alquifoux \&c. are among the articles of export. The tunny and coral fisheries employ a good many hands; but, ns already observed, they are almost wholly managed by foreigners.
Almost every article of dress, whether for the gentry or the peasantry, is imported. Sosp, stationery, glass, earthenware, and furniture, as well as sugar, coffec, drugs, spices \&e, are also supplied by foreigners; and, notwithstanding the Sards possess many rich mines, several of which were successfully wrought in antiquity, and are nnee more becoming proluctive, they import all their iron and steel. The only manufactures carried on in the island are those of gunpowder, salt, tobacco, and woollen eaps.

By far the largest portion of the exports from the island is forwariled to the continental states if the kingdom. The quantity of these exports is said to have amounted, at an average of the 3 years ending with 1863 , to-

| Atmoris | Lbs. 267, 083 | Crikwood | cwis. 21,330 |
| :---: | :---: | :---: | :---: |
| Hacon and | lbs. 315,309 | Fijh sait dead are |  |
| Barilla | cwts, 3,880 | OMise ofl | 1bs. $1.237,6.52$ |
| Brans, laarles, | qrs. 13,071 | Salt- |  |
| riule | no. 22,914 | Wheal | qrs. $28.5,3 / 3$ |
| (heese | cwits. 49,284 | Whe | gals. $7 \times 2,026$ |
| Coral | 11s. 70,192 | Wool | fbe. 385,063 |

But the returns for 1864 and 1865 show a striking falling off in each item of export except lead ore.
The following was the tonnage of Cagliari in 1864 and 1866:-

|  | 1861 |  | 1866 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | vensels | fons | vensels | (ons |
| Enterel $\left\{\begin{array}{l}\text { Foreign } \\ \text { Coasting }\end{array}\right.$ | 843 | 90,608 88.602 | ${ }^{8106}$ | 189668 30,791 |
| Clenred ${ }^{\text {Foreign }}$ | 375 846 | 90,409 | 696 | 157.041 |

The following represents the amount of British trade with the island of Sardinia for the years 1861-5 :-

| tmports - <br> Esports : <br> ilto Colonial and Foreign | 1861 | 1862 | 1863 | 1861 | $1 \times 6.5$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 49, ${ }^{5}$ |
|  | S, 513 |  | 7 7,674 |  | 49,013 |
|  | x,975 | , 9 |  | 1,673 | 331 |
|  |  | 6.3.775 |  |  |  |

Money, Weights, and Measures.-Accounts are kept in lire, reali, and solti. 5 soldi $=1$ renle $=4 \frac{1}{2} 1$. ; 4 reali $=1$ lira $=1 \mathrm{~s}, 6 \mathrm{~d} . ; 10$ reali $=1$ seudo $=3 \mathrm{~s}, 9 \mathrm{~d}$. The paper money consists of notes for 5,10 , anis 20 scudi.

Farm produce and the coarser metals are weighed by the pesi di ferro: 12 Sard. oz. $=1 \mathrm{lb} .=1.10 \%$. 5 dr . avoirdupois; $26 \mathrm{lbs}=1$ ruhbo ; 4 rubli $=1$ cantaro $=93$ lbs. 0 oz .8 dr . avolrdupois.
The starello, or corn measure, is equivalent to 1 bush. 14 peek Eng. The palm $=10 \frac{1}{5}$ Eng. inelues.

Canses of the depressed Stute of Sardiniu.-I'he above statements sufficiently show that the commerce of Sardinia is very far from being what might nnturally be expected from her extent, fortility, admirahle situation, and the excellence of her many harbr es. She contains an area of abont 9,500 square lades, being, in point of size, but little inferior to Sicily; and in antiquity was reckoned, along with the latter, a principal granary of Rome. 'Siciliam et Sardiniam benignissimas urbis nostre nutrices.' (Val. Max. lib. vi. c. 6.)

Utraque frugiferis est Insula nobilis arvis:
Nec plus Hesperiam lonkinquis mexsibus uller, Luctin, lii. lin. 65.
But the establislmment of the feudal system in its worst form, and the unfavonrable political and municipal regulations under which the island has latterly been placed, have gone far to neutralise the advantages it owes to nature. The agriculturists of Sardinia principally consist of two great classes-those who cultivate small farms on the metayer principle, and those who work on the estates of others, getting, in most instances, a patch of land for their support, and cultivating it at such times as they are not employed on the lord's lands. Both classes are excessively poor. The agreements under which the former class hold are seldom for more than a year; the landlord furnishing the seed as well as the land, and receiving lialf the produce. Those who occupy land for which they are obliged to pay a rent in corvées, or other feudal services, are, if possible, still worse off; having usually to borrow the seed cither from the landlord or from the Monti Frumentarii established for that purpose, and having also to defray the tithe and a host of other burdens. Another disadvantage under which all classes labour is the want of houses on their farms; the peasants live togetber in villages, and have frequently to perform a journcy of several miles in going to and coming from their farms.
Lands belonging to a canton or commune nre frequently cultivated on a kind of partuership system, being divided into three portions: one of these, called viduzzone, comprises all the lands that are in cultivation, and which are distributed by lot among certain individuals, while the other two portions are occupied in common as pasture. Ibut, as a new distribution takes place every year, it is plain that no individual can take any interest in the improvement of the soil; and this sort of temure becomes, in fact, the most effectual that can be devised for the extinction of industry. Latterly, however, the Government has been making efforts to promote the formation of inclosures and the livision of the lands, whieh, though opposed by the prejudices of the people, have made some progress. (Marmora, Foyage en Sardaigne, lib. v. clı. i.)

Even these are not, perhaps, the greatest discouragements to agriculture. As if to annihilate the possibility of the peasantry emerging from their depressed condition, and to oblige them to conthe their industry to the supply of their indispensable wants, it has been enaeted that no corn shall be exportel if its price exceed 30 reals the starello; and a heavy lluty is laid on all that is exported, as a substitute for a general land-tax. Most other articles of export have been loaded with similar duties; and it wonld really seem that every levice that ignoranco and short-sighted rapacity could suggest hal been practised to reduce this 'beniguant nurse' of imperial Rome to a state of poverty and destitution.

Ilnppily, as alreaciy seen, the bounty of noture has proved an overmateli for the perverse ingenuity of man; and such is the fertility of this fine island, that, notwithstanding the intluence of the duty now referred to, and the wretched system of agriculture, it exports in good years considerable guantities of corn. The culture of the vine is gradually inereasing in importance, and about 3,500 Catalan pipes are exported, chietly from Alghero and Ogliastro. Olive oil, owing to the little care taken in its preparation, and its consequent bad quality, has hitherto been but little exported; it is susceptible, bowever, of an indefinite incrense, and might be made an important article. Tobaceo is a royal monopoly, and brings about $7,000,000$ livres a-year into the public treasury. Flax, linseed, saffron, liemp, and barilla are grown to some extent ; silk is produced only in limited quantities, but its produce might, no doubt, be vastly inereased; some cotton is produced, and also small quantities of madder, which last grows wild in the island. The mountains are elothed with forests of oak, beeeh, ehestnut, and other timber; but, from the want of roads, these are nearly useless. The agricultural implements and processes are excessively rude. The Sardinian plough, the counterpart of that described by Virgil, does little more than seratel the grounil. It is without a coulter, and is very frequently wholly constructed of wood. Oxen only are used in ploughing and other tield labour. The corn is left in the lieldstill it be thrashed, an operation eflected by the primitive practice of treading with horses and oxen.

During the present century, however, some very important ehanges for the better have been introduced into the island, and some of the worst of the abuses previously noticed have been obviated. In 1836, in pursuance of enquiries previously commenced, feudal jurisdictions were completely nbolished: and since then the feudnl system has been wholly subverted. According to a law passed in 1839, all lands were declared to be the property of individuals, communes, or the crown; the latter becoming the possessor of all waste lands, or those to which neither private parties nor communes could show any title. lands whieh have been cultivated or applied to use, whether enclosed or not, were assigued in perpetuity to the occupiers, undisturbed possession being held to confer a sufficient right to the property in the absence of any other title: those whose interests were at all affected by the new ehanges received compensation in money or lands, or by an assignment of public funded property. The king substituted himself in the place of the barons; lie took all the feudal rents into his own hands; and their value being estimated at 20 years' purchase, public securities to the amount, bearing 5 jer cent. intersst, were made over to the nobles in exchange for the privileges of which they had been deprived. All kinds of vassalage were, at the
same time, maile redeemable; and courts of law plaeed under the direct control of the state were substituted in the place of the feudal jurisulictions where the barons ware at onco suitors and judges. It is impossible to overrate the importance of these changes; and there caunot be a loubt that they will have the greatest and most beneficial intluence. (Von Liammer, Ituly f.c. i. 295-301.) We may also mention, in proof of the improvement of the island, that the population, which in 1816 amounted to only 352,000 , had incrensed in 1838 to $62 \cdot 1,633$, mul in 1862 to $573,115$. . $A$ gool road has been constructed, unitiug Carliari mind Sassari, and cross roads have been carried from it to some of the more considerable places in the island. A railway commenced in 1861, to join Cagliari, Oristano, anil Sassarl, is expected to be finished in 1869, and will no donbt give an impetus to trade and commerec. Stringent measures have recently, also, been ndopted for the suppreasion of the bninditti, with which the island has long been infested. And whould these mensures of improvement be properly earried out, the adoninistration of justice simplitied and freed from the abuses anal venality by which it has long been disgraced, and all restraints on exportation abolished, it may be conflilently predieted that Sardinia will gradually beeome more and more prosperous; that the revenues of tho crown will be increased in a tenfold proportion; and that the population will cease to be conspieuous only for ferocity, idleness, and contempt of innovation. (Seo Geographical Dictionary, art. 'Sardinia,' and the authorities therein referred to; Mr. Consul Craig's Report of June, 1867; \&c.)

CAJIEPUT OLL. The volatile oil obtained from the leaves of the cajeput tree (Melaleuca cajaputi, Limn.). The name is a corruption of the Malay words cayu-puti, that is, white-wood oil; because the bark ol the tree which yields it has a whitish appearance, like our birch. This tree is common in Amboyna and other Eastern islands. The oil is obtained by distillation from tha dried leaves of the smaller of two varieties. It is prepared in great quantities in Ilanda, nud sent to IIolland in copper tlasks. ' It is very mobile, transparent, of a fine pale bluishgreen colour. It has a strong, agrecable odour, and a warm, nromatic taste.' (British Pharmacopaia, 1867.) It burns entirely away without leaving nny residuum. It is often adulterated with other essential oils, coloured with resin of milfoil.
The colonr of eajeput oil is not, as has been frequently said, derived from the presence of copper. It has been found that when the oil is distilled, at tirst a light colourless oil comes over, and then a green and denser oil.

Cajeput oil not being used except in the materia medica, only small quantities are imported. In July 1831 it sold in bond at about 7d. per o\%.; but an idea having then got abroad that it was one of the most efficient remedies in cases of cholera, its price rose in November 1831 to no less than 11s. per oz.! But it soon after fell into discredit with the faculty, and alditional supplies having been obtained from Holland, its price declined almost as fast as it had risen. It is not now worth more than from 4d. to $9 d$. per oz.

CALABAR SKIN (Fr. petit-gris; Ger. grauwerk; Ital. vior, vajo; Russ. bjelka; Span. gris pequeno). The Siberian squirrel skin, of various colours, used in making muffs, tippets, and trimmings for clothes.

CALABASLIES. Gourds, the skins or rinds of which, after the pulp has been extracted, are used by the native Indians of America as eups, bottles \&ce. Many kinds of resins and other drugs are run into gourds, as convenient vessels for carriage.

## CALA

CALAMANDE: of climber brought that common edgemust be rasped an
It is singularly re It is singularly rea
admixture of colou tiue chocolate, now lite black, now fai fawn and cream eol the rich beauty of from any undue sho polish, nud is wrou
larly into tables. larly into tables.
fovernor of Ceylon, room of his seat in mander. It is sen regriarly imported; has been imported b. ing from the colony, far the most beantif
The nearer it is taken The nearer it is taken
finerit is. (Milburu's finer it is. (Milburu's
tuining K norledge, 'V's

CALCUTTA. The dency of liengnl, th lominions in India. $49^{\prime \prime} \mathrm{N}$. long. $88^{\circ} 27^{\prime} 1 t$ from the sea, being sit of the western branch the Ilooghly River, wl
fianges navigable to n large ships, At high
late n the town is about a m the ebb the side oppo
long range of dry ea long range of dry ea length and intricacy o sea, it is generally unde
In 1717 Calcutta wa 1837 the population of 1837 the population of
the town nmounted to it was 413,182, of whi, was only 8,892 . but $t$ 180,000 persons who resi or neighbouring villagg
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ia Calcutta (where, hoy numerony than in any well excite surprise. cessation of the Compar prohibition of European occasion an influx of Br
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icarculy a single En saredy a single Eng
capital sufficient to cult bas cstablished himself cultivation of indigo and no immigration of artisa ply what might have be being too fully occupied, he leavy, and the wage almit of anything like an migration. The Eurasin athers and native mothe a. clerks in the Governn de establishments, and taous aud ufeful elass.
rol. $i$. part jii. p. 10 \&c. rol. i. part iii. p. 10 \&c tuburbs, extends about
of the river, with an ay thont $1 \frac{1}{2}$ mile. Fort Wil e sime side of the riv is a strong regular for ene for it would requ vell for its effectual defe Teat natural advantages

CAlamander wood. A benutiful specien of timber hrought from Ceylon. It is so hard that common edge-tools cannot work it. no that it must be rasped and nlmost ground into shape. It is singularly remarkable for the variety und admixture of colours. The must prevaiting is a tine chocolate, now deepening almost into absolute black, now fauling into a medinm between fawn nad crearn colours. It arresta the eye from the rich benuty of the intermingled tinta, not from nay undue showiness. It takes a very high polish, and is wrought into chairs, and partlenlarly into tables. Sir habert llrowntige, late fovernor of Ceylon, bad the doors of the diningroom of his seat in Monmouthshire made of calumander. It is searce in Ceylon, and is not regularly imported; all that is in Great Britain has been imported by private gentlemen, returning from the colony, for their own use. It is by fur the most beautiful of all the fancy woods. 'The nearer it is taken from the root of the tree, the finer it is. (Milburn's Orient. Com.; Lib. of Entertuining Knowledge, 'Vegetable Substances'' p. 179.)

CALCIJTITA. The principal city of the l'residency of Hengal, the capital of the British dominions in India. Its citadel is in lat. $22^{\circ} 34^{\prime}$ $49^{\prime \prime}$ N., long. $88^{\circ} 27^{\prime} 16^{\prime \prime} \mathrm{E}$. It is nhout 100 miles from the sea, being situated on the enstern bank of the western branch of the Ganges, tenominated the Hooghly River, which is the only arm of the (innges navigable to any considerable distance by large ships. At high water the river opposite to the town is about a mile in breadth; but during the ebb the sicle opposite to Calentta exposes a long range of ury sand-banks. Owing to the length and intricacy of the navigation from the sen, it is generally undertaken with a pilot.
In 1717 Calcutta was but a small village. In 1837 the population of what is properly called the town amounted to only 229,700 , and in 1861 it was 413,182, of which the European portion was only 8,892 . But this is exclusive of about 180,000 persons who reside at night in the suburbs, or neighbouring yillages, consing into Cnlentta early in the morning to their respective employments. The small number of Euglish resident in Caleutta (where, however, they nre far more numerony than in any other part of India) may well excite surprise. It was supposed that the cessation of the Company's monopoly, nad of the prohibition of Europenn resort to Indin, would recasion an influx of British settlers and capital; bit this anticipation has not been realised. scaredy a single English ngriculturist, with eapital suthicient to cultivate 100 acres of lnal, has establislicel limself in Intia, except for the cultivation of indigo and tea, and there has been no immigration of artisans. And this, after nll, is only what might have been expected; the comntry being too fully occupied, the burden on the lands two heavy, and the wages of lalour far too low, to almit of anything like an extensive European immigration. The Eiurasians, the progeny of white fathers and native mothers, are mostly enployed ${ }^{2}$ clerks in the Government ollices and mercandile establishments, and are saidl to be an industrious nud useful class. (Bengal\$, Agra Gazetter, vol. i. part iii. p. $10 \& \mathrm{c}$. .) The town, excluding soburts, extends about $4 \frac{1}{2}$ miles along the bank df the river, with an avorage brealth inhand of boat $1 \frac{1}{2}$ mile. Fort Willinm, the citadel, lies on the same side of the river, a little lower down. th is a strong regular fortitication, hut so exten-
ase that it would require a garrison of 10,000
zen for its effectual defence. Calcutta possesses Feat natural advantages for inland navigation; 4 sorts of foreiga produce bcing transported with
great facility on the (ianges and its subsuiliary atreams to the north-western gurters of llindistan, orer a listance of at luast $1,06 \mathrm{~m}$ miles, while the productions of the interior ure reccived by the same eary channels.
The principal merchants and tralers consist of British and other Surupenas, Portughese horn in India, Armenians, Jews, lersinns frum the const of the l'ersian Gulf (commomly colled l'arsees), Moguls, Mohammedans of Hindostan, ind llindoos; the laterer usually either of the Brahminical or mereantile castes, nud untives of Bengal.
The principal forcign business is combluted loy Linglish merchants; but uther parties nlan, vither in partuesship with the English or on their own necount, speenate largely to Eurnpe, Amurien, and especially to Chian. The brikers knuwn under the nome of sirears and laboos are all Ilindoos. The general rates of ngency commission are ay follow :-

Schedule of Commission Charges revisril and arhopted by a Special General Meeting of the Bengal Chamber of Commerse, held on June 18, 18is1, uith effeet from Junuary 1, 1862.

1. On the sale, purchase, or shipment of bullion, gold dust, or ${ }^{\text {ent }}$
2. On the purchave (when in fundy) or sale of Indigo, raw sulk; silk jueca goods, ophum, fearis, prectious ntonics, or jewel-
3. On purchaslog ditto, when funds are provided hy the agent On the cale or purchave of all other pootr-the commission ly all eases to be chargeri ypon the pross amount of naliz, and 3. On returnm for consigumen*- if inadr In prodince -
4. On returni for convipumen" if madr in prodince
5. On accepting bills against connignment. .

On the sale or yurefuse of shifh, factories, houses, lands, anil all property of a like descripmion ony descripiton referred to agincy for sate, whether atsvanced upon or otherwise, which shall afterwards he with. Irawn; and on gools conaigned for conditinnal cielivery to rupee) -
10. On makiog aivances or procuring loans of moncy fur comnot esceed 5 per cent.
11. On ordering or receiving and delivering gools, or superin.tending the falfitment of contracts, or on the shipment of Onoods, where no other commission is rierived becrming security for aimminitration of estates or to $\%$ o. On del-crederf, or kuaranteeing the due reallation of sales
i. On the inanagement of estates for execusons or admhastra
5. On chartering ships or engaging tomnage for constituento for 6. vesels to proced to ons-jorts for loading
an advertising as the agents for owners or commanders of ships for calin passengers on the amount of pasace monry whether the same shall pass thruagh the agent's hands or
17. On procuring freight for a ship hy shipping order or charter or on procuring employment for a mhip on monthiy hire, viscel, घlon the gross amount of freight, brokerige inclusive
18. On engaging Asiatic emigrants for a ship to the Maurititu* the Whest Indier, or elsewhere, upon the gross amount of
19. On ennuag
20. On the gross amount of passage money for rank and tile.
20. On rralising inward frelght, in ward troond, emigrant, or cathin
phisage money
or on landing and sepling boods from any vesed in distrens, or on sndifk and selling lyy auction damazed goods from behalf of aft concerned-on the iteclaredi value of all such goods as may be re shipped, and on the net proceeds of all such food, an inay be publicly sold If oprum, iniligo, raw silk, of silk piece gooda -
22. On elfectink insurances, whether on lives or propert
23. On setting insurance claims, lossis, and averages of ati 21. On tirawing, purchasing, selling, or negotiating bills of 25. On dichang or ocher claims' when a process at law or sibltration Is meurred in rlaiming them
ir if recovered tiy such means
26. On hilis of exchange returned dishonoured

49. Un reatising bratomry bonds, or negotiating any loan on 30, On Reprondentia.
30. On kranting letters of credit

1. On ale or purchase of Ciaverment securities and hantother joint nock shares, and on every eachange or transfer 32. On telivering up frotn one class to another 33. Onint extork shares, on the market value
2. On all amounts debited and eredited within the gear (lens the halance brought forward) upon which ne cumbinsion
$p$ inting to 5 per eent, has heen eharged Brokerage when piaid is tu be separately charged.

Customs Tariff:-1By Act No, XVII., called Tho Indian Castoms Duties Act. 1867,' pansed by the Governor-General of Latia on Marela 6, 1867, tho following lmport and export tariff are approved as applicable to every port in the territories of British India :-

Import Turiff.


[^12] tatan.



Splrita mented liquars
Wines: Champarnes, apart All other sort
Marble, 'eraught, ather than Satuary ormating, China of Mats, Iloormattink, China of
Fil sorts letals, 1 anil manufacture, wrough Brass beads, googree, Ch

Copper, Australls vory thin

## sheeta, ro er, Austrain bolt brazier <br> bolt brazier:

China cast Japan
nafls and hajls and composi-
tion nail
iki and alabe $=$
aheet, uhes foreign and plate athing, (lles,
and brizotis, cakes, wara white copper

Import Tariff-continued.


Import Tariff-continued.



Remarks on charging duties questionable. India labours, in sists principally ents for foreign uecessary paym the ease, it is cel lay duties on siderations of exp suggest that they dilty free. There Jus this would gi increasing the pl compensate the neonsiderable 80

Tonnage Schedul has been in ope

|  |
| :--- |



Remarks on the above Dutics．－The policy of clarging duties on exported artieles seems very questionable．The great difficulty under which India labours，in a commercial point of view，con－ sists principally in her inability to furnish equiva－ lents for foreign imported goods，and to make the necessary payments abroad；and，when such is the ease，it is certainly not a little contradictory to lay duties on exports．The most obvious con－ silerations of expediency and common sense would suggest that they should be allowed to be exported duty free．There can be no doubt that the stimu－ lus this vould give to their production would，by increasing the public wealth，infinitely more than compensate the Government for the loss of the inconsiderable sum produced by the duties with which they are charged．

Tounage Schedule for the Port of Calcutta，which has been in operation since January 1， 1860 ．


| Articles | Cwh．per ton nett | Cuhic feet per tuti |
| :---: | :---: | :---: |
| Ciunjah | － | 50 |
| Henip，in balea，per ton of 5 bales，not escend | － | 52 |
| Mides，butficlo or cow，cured | 14 |  |
| Huofis，horn shavlogs and tipa | 210 | － |
| llorns，cow，buttalo，or deer | $21)$ |  |
| Indigo ${ }^{\text {dute，} 5 \text { bales to the ton，not eaceeding }}$ | 二 | St |
| Lac dye－ | 二 | 50 |
| 1．ard－ | ${ }_{20}^{40}$ cwt．gross |  |
| Sinseed |  |  |
| Mace－ | 19 | 50 |
| Matalu－ | 20 |  |
| Myrobalana | 16 | － |
| Mulasses | 2 punchs．or 4 lihds． |  |
| Mother o＇pearl，In bags | $\begin{aligned} & 201 \\ & 20 \end{aligned}$ | 二 |
| Manjeet－ | － | 4） |
| Musiard or rape seed＊＊ | 2） | － |
| Nutmeks，in cases or cask ： | $\overline{16}$ | 10 |
| Nox vomica－－ | 16 |  |
| Onta ${ }^{\text {Oil，in cases }}$ | 16 | 30 |
| chask | 4 hogsheads per chest |  |
| Opium－ |  |  |
| Palily－ |  |  |
| 1＇eas | 20 |  |
| I＇spper，long | 14 |  |
| llank and deals | 14 | 5 |
| ${ }^{\text {ropupy meed－}}$ | 20 |  |
| lutclusk－ | 10 |  |
| Naw silk，in bales | 11 | － |
| Rattans foe dunnage | 20 |  |
| lled wood for ditto or ${ }^{\text {a }}$ | 20 |  |
| Rhea，in bules，per ton of 5 bales，not e seeding |  | 62 |
| Hice－－ | 40 | － |
| Roping，in coila－${ }^{\text {lines and twines，in mundles }}$ | $\overline{16}$ | 50 |
| Rum，in caski－ | 2 puncha，of 4 hhds． |  |
| ：afllower，in bales，per ton of 3 bales， esceeding | 2 | ｜ 52 |
| Sapo，in cases－ | － | 50 |
| Solammuntac，in bags | 910 |  |
| Saluetre boxel | 20 cwl ．gross |  |
| Saltpetre $\mathrm{Sa}^{\text {ate }}$ |  | － |
| Sitpan wood for dunnage－ | 20 20 |  |
| Sealimg was，in casts－ | － | 30 |
| Seed－iac，in caves－ |  | 50 |
| Senna－baks | 16 | 50 |
| Shells，rough，in bago | 21） |  |
| Sheilac，in crsee | － | 50 |
| Silk，plece boods ${ }^{\text {co }}$ | 16 |  |
| Skins－ | 14 |  |
| Soup，country，in cases | 1s | 30 |
| hays | 15 |  |
| Sulck lac，in casee bar | 20 |  |
| Stick lac，In cases | $\overline{16}$ | $51)$ |
| Supae－bats | Y1） |  |
| Tallow，in cases or caska－ | \％．1 |  |
| Tatc－ | （1） | － |
| Tamarinds，in cases or casku | 40 |  |
| ＇Japloca－－ | － | 50 |
| Tes－ | － | 50 |
| Teel seed－ | 40 | － |
| Tinker，round－ |  | 411 511 |
| Tobaceo，in bales | 16 | － |
| ＇Tortuise chell，in chests |  | 511 |
| Turmeric－ | 16 | － |
| Whout－－ | 80 | 50 |

Bengal Bonded Warehouse Association， Established 1838.
Table of Rents chargeable on Goods and Packages Received and Stored in the Bengal Bomiled Warehouse．

| per montl．． |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Anlseed |  |  |  |  |  |
| Beer，in hogrhemin | － | －－ | －jeer hognhead | 06 | 6 |
| botiled，In casks | caves | －P | per dozen quarts | 1 | 1 |
| difto | ditto | － | per suzen pints |  |  |
| Betel．nut | － |  | －per br．nud． | o | 0 |
| Botties，in crates | － | p | per duzen botiles | 11 | 1 |
| Camphor－ | － | － | per case | 0 | 3 |
| Canvas | － |  | peer bale | 0 | 3 |
| Cardamoms | ＊ | －－ | per lis．md． | 1 | 1 |
| Cigars | － | －－ | jer rase | 0 | 8 |
| Cloves | ＊ | －－ | ner lir．nid． | 0 | I |
| Coffee | － | －－ | jer br．md． | 11 | 1 |
| Cordane | － | － | －per cwt． | 0 | J |
| Coitom | －p | per screwed | d bale of Thy libs． | 0 | 6 |
| Sow hidea | － | － | －per large bale |  |  |
| bitio | ＊ | － | per smalier bato | 0 | K |
| Cummin seed | － | － | －per br，md． | 4 |  |
| Culch | － |  | per 100 br mads． | 2 | 0 |
| Earthenware | － | － | －per cast |  |  |
| Ginger | － | p | per 100 br，mdx． | 3 | 0 |
| Glassware | － |  | －per cast | ， | － |
| lioat nkins | － |  | per bale | 0 | 8 |
| Gumnies | － | － | －per large halo | 0 | 8 |
| bitto |  |  | Per nunaller haso | 0 | 6 |
| lizinp | － | 1wer screwed | bale of ath lims | 0 |  |
| Intigo | － |  | per chest | 0 | － |

Bengal Bonded Warehouse-continued.


Cargoes of vessels put back from sea will be received into the warchouse-saltperre and damaged gools excepted; and it will be optional with the Association to apply the above rates, or charge rent according to the space occupied.
Where parties lesire to engaye accommotation by the month or for a longer period, the Association lets space by measurement: for instance, a range 100 feet long by 20 feet wide on the upper storeys would rent for 150 lis. a month. Ditto on the gromed floor for 200 Is. per month,
lient commences from the moment goods are brought within the premises of the warehouse; and if goots are left in the compound of the warehouse, they will remain there at the risk and expense of depositors.
lient will not be charged for a shorter period than half a month; and thereafter the shurtest broken period for whieh it will be charged is a quarter of a month.

The Association loes not undertake to store groods, or to supply labour fir that purpose, and is not responsib? for any loss or damage that may arise in their receipt or delivery.
Coins, Weigitts, Measures, Excilanges, de.
Calcutta in Bengal. Coins,-Accounts are kept here in rupees, with their sub-divisions amas ant jlic: 12 pie make 1 anna; 16 aumas, I rupec.

The standard of the Bengal money has ever been silver. Gold is occasionally coineat, but the great bulk of the curreney is silver.

A lakh of rupees is 100,000 ; and a crore, 100 lakhs or $1,00,00,000$ rupees; and in accounts sum. are distinguished into erores, lakhs, and single rupees, by marks or divisions, as in the foreroing cxamples.

Cowries, small, white, glossy shells, are made use of for small payments in the bazair, and are generally thus reckoued :-

$$
\left.\begin{array}{c}
4 \\
20 \\
\text { gundias }
\end{array}\right\} \text { equal to }\left\{\begin{array}{l}
1 \\
1 \\
1 \\
1 \\
\text { punda }
\end{array}\right.
$$

$\left.\begin{array}{l}4 \text { punn } \\ 4 \text { ennas }\end{array}\right\}$ equal to $\left\{\begin{array}{l}1 \\ 1 \\ \text { amna. } \\ \text { kalıun }\end{array}\right.$
But they rise and fall aceording to the demand there is for them, and the quantity in the market.

Coinage,-The Aet No, XIII. of 1862 provides for a new silver and a new copper coinage, thus :-

That from Noveniber 1, 1862, no silver or copper coins, exeept those mentioned below, slatil be coned at the Mints in British India :-

Silver Coin,
A rupee to be called the Government rugee.
4 half rupee.
A guarter rupee or four anna plece.
An elghth of a rupec or two anna plice.

## Copper Coin.

A inuble ples or half anna.
$\hat{A}$ prep or quarter onina.
A hie, phering one ti.ird of a pike, or one-twelth of an anna
That the rupee so coined shall be 180 grains troy, and the standard as follows :- $\frac{11}{12}$ or 165 grains of pure silver; $\frac{1}{12}$ or 15 grains of alloy. The uther silver coins shall be of proportionate weight and of the same staularil.
'The copper coins, viz. :

Until the Governor-General in Council shall otherwise order, the silver and copper coins as coined shall bear on the obverse the likeness and the name of her Majesty Queen Vietoria, and the inscription Victoria Queen, and on the reverse the designation of the coins in English filled by the word India, with such date and emlellishments on each coin as the Governor-Gencial in Council shall from time to time direet.

British-Iudiun Weights and Measures.-The tha is the unit of the British-Inclian ponderary so'stem. Its advantages are- 1 . That the mannd, formed from the modilied weight, wonld be precisely equal to 100 English troy pounds; and. 2, That 35 scers would also be precisely equal to 72 pounds avoirdupois: thus establishing a simple comnexion, void of fractions, between the two Englishs metrical seales and that of India. 'The tola weighs 180 grains English: troy weight. From it upwardn are derived the heavy weights, viz. Chittack, Serr, and Mun (or Mannd) ; and by its sub-division the small or jeweller's weights, called Mashas, Ruttees, and Dhaus.
The following scheme comprehends both of these in one series :


The $M u n$ (or that weight to which it closely accords in value, and to which it is legally equivilent in the new scale) has been hitherto better known among Europeans by the name of Bazaar Mannd, but upon its general adoption, under Kegnlation VII. of 1883, for all transactions of the British Government, it should be denorainated tha Burisir Maunis (in Hindee Ungrezee Mun), to distinguish it at once from all other weights in use thruughout the country. In the same way the Madras, Bombay: and Furruckabal ropec (when the Sicca rupee is tholished, and an lintlisl2 device adopterl) may be called the British rupee, and in the native langnage Ungrezee rupya.
The $P^{\prime}$ usserce is, as its name denotes, a tive sper weight, and therefore shonlil not form an integral point of the scale, but as its use is very general, it hus been introdueed for convenience of reference.

The Seer being in the retail busing being liable, accor hitherto prevalent
urtiele sold as wel urticle sold as wel
rally referred to t cautile dlealings, ns sieca, bhurress, tak seer being always 8
The Chittack is $t$ yross weights, and
Tulves
and
quarter hanves and quarte
thus marking thus marking the which are otherwise the seer \&e, to the $t$
The Tola is chiet precions metals and is received in this al milion produce are also usual at the mi of the tola into anna of mashas and ruttee
Comparison of the T anl Silver or Troy

| Mace |  |
| :---: | :---: |
| Heppos |  |
| Culro |  |
| Calieut |  |
| Chine - |  |
| bamascius |  |
| l henmark |  |
| Eugland |  |
| Frante |  |
| (icrmany |  |
| Italy |  |
| Mocha |  |
| l'eru |  |
| jrersia |  |
| I'ortugal |  |
| Prussia |  |
| Refie |  |
| lunssia |  |
| Venice |  |
| $V_{\text {tenna }}$ |  |

Mushias, Ruttees, and native goldsmiths and employed in the native precious metals: thus 10-12ths pure, and cor of the English assay a closer aecordance wi scale, inasmuch as the represent the 96 carat pound, and the elhan th
 For particulars of Madras an
ride rephecture Directorles.
Cowparison with Tro version of linglish tro
lndia, the fullowing ludia, the fullowing sc simplicity of their relatj table umecessary.


The Seer being the commonest weight in use in the retail business of the hazaars in India, and being liable, according to the pernicions system litherto prevalent, to vary in weight for every article sold as well as for every market, is generally referred to the common mit in native mercantile dealings, as 'the seer of so many toles' (or sicca, bhurrees, takahs \&c.) ; the stancard or bazaar seer being always 80 tolas.

The Chittack is the lowrst denomination ot the gross weights, and is cominonly divided into halves and quarters (called in Bengalee kachur); thus marking the line between the two series, which aro otherwise connected by the relation of the seer \&c, to the tola.
'The Tola is chietly used in the weighing of the precions metals and coin; all bullion at the mints is received in this denomination, and the tables of bullion produce are calculated per 100 tolas. It is also usunl at tho mints to make the sub-divisions of the tola into aunas (sixteenths) and pie, in lieu of mashas and ruttees.

Comparison of the Tola and Maund with the Gold unt Silver or Troy Weights of other Countries.

| Place |  | Denaminatian | $\left\|\begin{array}{c} \text { Weight } \\ \text { of } \\ \text { simgle lh. } \\ \text { lilark } \\ \text { Nc. in } \\ \text { tolas } \end{array}\right\|$ | Number equal to 1 inan, or 100 d his. troy |
| :---: | :---: | :---: | :---: | :---: |
| Alepiga | - | Metical | $0 \cdot 105$ | 78901.410 |
| 131, sorah | - | Miscal | (1) 1.50 | S010.00\% |
| Calro |  | Kot tolo | 36-! 165 | s6. Stit |
| Calieut | - | Mincal | 0.38 .3 | 8.47.426 |
| Chioa |  | Tale | 3.281 | 90. 0.446 |
| C'onstantinople | - | Cheje .e - | $2 \% \cdot 6.58$ | 116.199 |
| Pamascus - | - | Dance | $2 \cdot 610$ | $12.52 \cdot 173$ |
| leamork | - | M, 1 rk | $26 \cdot 18.7$ | 158.546 |
| Fugland | - | 1 'otund | $5 \times 004$ | 1 (M)-(HN) |
| France | - | Kilogramme | 8. $5 \cdot 7.15$ | 37.320 |
| Cirmany | - | Cohoune mark | 20.1014 | 139615 |
| Hollard |  | Mark .. | $21 \cdot 100$ | 151-638 |
| traly |  | lilorence and Leghorn lib | 29.111 | 109.923 |
| Misha | - | Yika. | 29.65 | $1205 \cdot 081$ |
| 1'eru | - | rical | 1.318 | 2127.307 |
| Prersia | - | hirhem | 0.519 | $3 \times 14 \cdot 477$ |
| Portugal | - | Miark | 19-675 | 1624612 |
| 1'russiz |  | Mark |  | $154 \cdot 604$ |
| llo.1e |  | Tiblira | 49.1137 | 110019 |
| Russia | - | Prond | $35 \cdot 1172$ | 91.161 |
| Syain | . | M, rık | 19•74 | $1{ }^{12} 2 \cdot 2.40$ |
| Virnire | - | Mart Mark | $20 \cdot 159$ 41.0172 | 1364.4.57 |

Mushas. Ruttees, and Dhous are used chiefly by native goldsmiths and jewellers. They are also employed in the mative valuation by assay of the precious metals: thus 10 mashas fine signities 10-1:ths pure, and corresponds to ' $10-\mathrm{oz}$. to 1 ch ' of the English assay report of silver. There is a closer accordance with the linglish gold assay scale, inasmuch as the 96 ruttees in a tola exactly represent the 96 carat grains in the gold assay pound, and the dhan the quarter grain.

| Hhitish-Intian weights | Finglish troy weights | French weights |
| :---: | :---: | :---: |
| One maund |  | grammes |
| sere - | 2680 | 9...0.0105 |
| mhittack | $1 \begin{array}{lll}1 & 17 & 12\end{array}$ | 38.311 |
| tola. | $\begin{array}{ll}7 & 18 \\ 1.5\end{array}$ | $11 \cdot 6.6$ |
| Inavha | 1-8,5 | 0.972 0.140 |
| ruttee | 1-8:5 | $0 \cdot 182$ |

For particulars of Mairas and Bombay Wejghts and Measures, ide reapertive Directorles.
Comparison with Troy Wreights.-For the conversion of English troy weights into those of India, the following scale will sullice, since the simplicity of their relation renders a more detailad table unnecessary.


The accordanee of the mun weight with the 100 lbs . troy of lingland affords a ready means of ascertnining its relative value in the standards of other countries employed in weighing the precis,as metals, since tables of the latter are generally expressed in lbs, troy. The following are a few of those valuations for the prineipal weights of Europe \&c. extractel from Kelly's Cami,ist, pugo 222. The weights in troy grains linve been converted into talas by dividing them by 180 .

Required the equivalent of 57,353 muns 35 seers and 6 chittacks in avoirdupois pounds.
Taking tho numbers opposite to 57, 35, aיd 30 respectively, and removing the decimal point-in the first, three places to the right hand; in the second, one place to the right; and in the third, one place to the left, we have

| 57,000 maund | 10986. |
| :---: | :---: |
| 5is) | $3 \mathrm{mstaj}{ }^{\circ}$ |
| 3 | $216 \cdot 8: 7$ |
| 37 seers | 76.114 |
| Gichit. | 771 |
|  | \% oz. near |

Since 35 seers are exactly equal to 72 lhs . avoirdupois, the following simple and aceurate rales for their mutual conversions will be found equally convenient with the table:

Rule I.-To convert Indian Weight into Avoirdupois Weight.

1. Multiply the weight in seers by 72 and divide by 35 : the result will be the weight in lbs, avoirdupois; or
2. Multiply the weight in, mannals hy 36 and divide by 49 : the result will be the weight in cwt. avoirclupois.

One ton=27ツ22 maunds, or $27 \frac{1}{4}$ maunds nearly.
Rale II.-To convert Avoirdupois weight into Indian weright.
i. Multiply the weight in lbs. nov. by 35 , and diville by 7 : the result will be the weight in scers; or
2. Multiply the weight in eut. :iy 49, and divide by 86 : the result will be the weight in maunuls.

One maunl $=82 \frac{1}{2}$ lbs. avoir. exactly.
For converting Avoirlupois Weights into BritishIndian Weights.

| Tous | Mume or Hazaịr Maunts |  |  | Cwt. | Sunc or las. zaar Maunds |  |  | H3s. | Muns or llaziar Matuntis |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100 | mid |  | chit. |  |  |  | chit. |  |  |  |  |
| 90 | Y 2.50 | 1 | 9 | 18 | 21 | 21 | 0 | 1019 | 1 | . | 121 |
| 81 | 2177 | 32 | 8 | 17 | 2.3 | 5 | : 1 | 50 | 0 | 38 | 11. |
| 71 | 1903 | 2.1 | 7 | If | 21 | 31 | c | 71 | 0 | 31 | 0 |
| $6{ }_{6}$ | 16:3.3 | 11 | 6 | 15 | 4) | 16 | 111 | GI) | 0 | 29 | $2!$ |
| 50 | 13161 | 5 | 5 | 14 | 19 | $\underline{y}$ | 31 | 5.1 | $1)$ | 21 | $4{ }^{1}$ |
| 10 | 11888 | 36 | 4 | 13 | 17 | 27 | 1媳 | 10 | 0 | ${ }^{\prime} 9$ | 1 |
| 310 | ${ }_{6} 16$ | 27 | 3 | 12 | 16 | 13 | 11 | 51 | 0 | 14 | $9{ }^{1}$ |
| \% | 511 | 18 | 2 | 11 | 11 | 38 | 11 | 20 | 0 | 9 | 11. |
| 10 | 274 | 9 | 1 | 10 | 1. | 24 |  | 11 | ${ }_{0}$ | 4 | $1: 3$ |
| 9 | 21.5 | ${ }^{1}$ | 4 | $!$ | 12 | 11 | ${ }^{10}$ | 9 | 0 | 4 | 6 |
| 8 | (217 | 31 24 | 4 | 8 7 | 10 | 35 | 9 | 8 | 0 0 | 3 | 143 |
| 7 | ${ }_{1}^{1190}$ | 1 | ${ }^{51}$ | 7 | 9 | 21 | $10^{16}$ | 6 | ${ }_{0}^{6}$ | 3 | 11. |
| 5 | 136 | 4 | 81 | 3 | 6 | 32 | 3 | , | 0 | 2 | 7 |
| 4 | $11+8$ | 35 | 10 | 4 | 5 | 17 | 126 | 4 | 0 | 1 | 13 |
| 3 | 81 | 46 | 112 | 3 | 4 | 3 | 5 | 3 | 0 | , | 7 |
| 2 | 51 | 17 | 13 | 2 | 2 | 29 | 11 | 2 | 0 | 0 |  |
| 1 | 47 | 8 | 11 | 1 | 1 | 14 | 76 | 1 | 0 | 0 | 78 |

the , att maund is $2 \frac{1}{2}$ per cent. heavier than the bazaar maund,

When aecounts are kept in rupees, they use the imaginary pie of 12 to an anna. A small copper coin of the value of a pie has recently beea put in circulntion.

## CALCUTTA

Small shells, called cowries, are also made use of for paying coulies \&c, which are reckoned as follows:-


But these rates vary from time to time. The anna a few years ago was vnlued at 5 puns.
A Comparative View of the relative Value of the several Denominations of Rupees generally used in keeping accounts.

| 100 sicen rupee (Calcutu) Current rupres |  |
| :---: | :---: |
| 100 sicem rupeen (Calcutia)- 16 |  |
| 160) Somat ruje | 111 |
| j110) 180miny rupees | 1111 |
| 100 Arcot rujues | 108 |
| Sitca rupees. |  |
| 100 A rcot rupees | 11725 |
| 1160 limanay rupees | ees $91 \begin{array}{ll}13 & \text { y } \\ \text { chi-29 }\end{array}$ |
| 100 Sonat rupees | 951198 |
| Baznar or Great Weights. |  |
| $\left.\begin{array}{l} 5 \text { nicra weight } \\ 16 \text { chituchs } \\ 411 \text { seers } \end{array}\right\} \text { makr }$ | $\} \text { makr }\left\{\begin{array}{l} 1 \begin{array}{l} \text { chitrack } \\ 1 \\ \text { serf } \\ \text { maund } \end{array} \end{array}\right.$ |

The different Weights made use of in Bengal, with their Value in Sicca Weights.

N.n. One ticca weight is equal to 6 drachms $570 \pi 6$ decimale avoirdopols weikht.
The Bengal Factory Maund and its Fractional parts, retuced to English Avoirdupois Weight, nccording to the Stunilard received from Europe in 1787.


Gold and Silver Weights,


## Cloth Measure.

| 3 orrhe 3 ungoollees | 1 ungoollee perrah |
| :---: | :---: |
| 8 \% veradis | i hauth or cublt, 18 inc |
| 2 hauths | 1 guz or yaral |

Reckoning by the Tale.
3 particulan
${ }_{1}$ gundahs or 20 particulam $=1 \begin{aligned} & \text { pundah } \\ & \text { couree or corpe }\end{aligned}$
Liquid Mensure.


| 1 heegat makee 20 cotiths |  |
| :---: | :---: |
|  | 720 square feet |
| ${ }^{8}$ chittacks or ${ }^{\text {a }}$ a motrith | 314010 |
| 2 lsonkees or iq a powah mate | 90 |
|  | 4.5 |
| ditto | 22) |



For the mutual Conversion of Bengal, Madras, and Bombay Maunds.

| Bengal Maunds | Mudras Mautids | Hombay Maundx | $\begin{array}{\|c\|} \text { Madraa } \\ \text { Maunda } \end{array}$ | Mengal Maunds | Hombny Maunds | Kengal <br> Munnds |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1000 \cdot$ | 3291.425 | 2934-775 | 1000 | 303 -820 | 1000 | 310-271 |
| 100\| | 324-143 | $293 \cdot 677$ | 109 | 30.832 | 100 | 31.1128 |
| 90 | 226.289 | 2firlis | 90 | 27.314 | 90 | 30.685 |
| 日, | 263.315 | $2.5 \cdot 101$ | 80 | 24.306 | 81 | 27.282 |
| 70 | $2.30 \cdot 411$ | y05-716 | 70 | $21 \cdot 268$ | 70 | 2.3. $\times 19$ |
| 60. | 197-187 | 176.348 | 60 | 18.430 | 60 | 47.116 |
| 50 | 164-371 | 146.9.38 | 30 | $15 \cdot 141$ | 50 | 17011 |
| 40 | 131.656 | $117 \cdot 539$ | 41 | 12.132 9.114 | $41)$ | 13.612 |
| 30 | 98.7 72 | $58 \cdot 16$ | 311 | $9 \cdot 114$ | 30 | $10 \cdot 2119$ |
| 20 | 6.58888 | 58.775 <br> 9.784 | 101 | $6 \cdot 1176$ <br> $3 \cdot 038$ | 10 | 68196 |
| 10. | 32914 3.291 | 29.784 8.399 | 10 | 3-0.38 | 10 | 3417 0311 |
| Seers 30 | 8.169 | $2 \cdot 293$ | Seers 30 | 0-249 | Seers 30 | 0.2953 |
| 80 | 1-646 | 1.469 | 40 | 0.159 | 211 | $0 \cdot 170$ |
| 10 | $0{ }^{0} 48.3$ | $0 \cdot 731$ | 10 | 0.076 | 10 | 0.045 |
| 3. | 0.111 | $0 \cdot 367$ | 5 | (10.038 | 5 | 0012 |
| 4 | $0 \cdot 329$ | O-2!3! | A | $0 \cdot 038$ | 4 | 0.091 |
| 3 | $0 \cdot 216$ | $0 \cdot 2 \% 11$ | d | 0.048 | 3 | $0 \cdot 62.3$ |
| $\mathbf{z}$ | 0.161 | $0 \cdot 117$ | 2 | 0015 | 2 | $0 \cdot 017$ |
| 1 | 0.082 | $0 \cdot 075$ | 1 | 0.008 | 1 | $0 \cdot 194$ |

I he word mun, oi Arabic or Hebrew origin, is used throughout Persia and Northern Indin; but, as might he cxpected, it represents very different values in different places: thus the mun of Tabriz is only 63 lbs avoir., winile that of Palloda, in Ahmednuggur, is 163.t lbs.
It is probable that the seer or seir, a Hindoo weight (sitak), whs more uniform than the mannd, since it was founded upon the tola (tolaha), which, with its sub-livision, the massa, must, in very ancient times, have been extensively known throughout commercial Asia: there can be little tloubt that the tale and mace of the Chinese are identical in origin.

It may be generally assumed that the maund system follows the common scale, viz. :-

$$
\begin{aligned}
& 16 \text { chitiach: }=1 \text { seer } \\
& 40 \text { sers } \begin{array}{l}
40 \\
\text { maunds } \\
1
\end{array} \text { mannd } \text { candy or mannee }
\end{aligned}
$$

The use of a five-seer weight also univers:lly prevails under the name of pusserce, dhuree, of ris. The dlurce, from its name, however, seems to he properly a measure ; and according.'y while in Malwa it is equal to 5 seers, in other plnces it is found of $4,4 \frac{1}{2}, 53,10,11$, and $12 \mathrm{gr} . \mathrm{is}$. The terms adhola, adhelee (half), poo, powah (quarter), cdhpao (half-quarter), frequently occur: they explain themselves.

Weight.-The sub-divisions of the ponderary systems, throughont the whole of British India, generally agree in name, though they differ in value. Thus in every case

The number of dhans in a ruttee, and the number of tolas in a chitteck, are nrbitmry. The annexed tables show all the varictics that have been brought to notice. To save neerlless repetition, we shall refer to them as may be nccessory, and give in detail only the peculiar systems of each district.

Table $I$.

Table II.
Mcasure.-The linear measures of India generally are based on the following system:-

5 ungoollees or fingers' breanth : : 1 mooshily or palm
6 mooshtikas

Also-
${ }^{11}$ jutison or lengithe of it 2i) jusmon thim
21) juswoon

42 ungoolleen
From the very c
Jervis, as given in $\log y$, it appears tha


gux or ti ungoollees
The standard of settlement of tho been fixed at 33 inc 33 Inrhes $80 \times 80=40 \mathrm{Kuz}$
In Pengal the hau to be 18 inches in le isquare hatith

if $\%$ cowrie | 9 |  |  |
| :---: | :---: | :---: |
| 90 | $"$ | rowrie |
| 20 | kundas |  |

These are the bee the unly values refer lauth may be said inches, and the beeg sruare yards. The d. not suthiciently precis not affected an accuro not attain.
Banks.-The Bank in 1809. Its antho Thacker's Bengal Dire rupees, which, at $2 s$. of which $2,200,000 \mathrm{l}$. h are now selling at a his ment is condlucted b pointed by Governme prietors : time of servit This bank possesses consequently its circul larre area, its notes ollices, in payment of the varions districts. savings' hanks) there branclies of banks, of w nominal capital of thes to about $14,0 \mathrm{c}, 000 \mathrm{l}$, th
falling much short of tl filling much short of tl Insurances,-The fire
misiness is conulucted apenteies, 8 of which ard amounting in aggregate larger proportion nppe surance exclusively.
Pilotage, Port Charg at Calentta have issued as to pilotage, port char 1. Commanders are r their vessels, on arrival certify, or cause to be furm of certificate show tunnage, the draught the ressel has or has steamer any part of the use of a row-boat. Thi to the pilot, in order $t$ being correctly made on 2. Commanders are fi after their arrival as pos: to the master attendant of the reference for the bills.
3. On the receipt by the above certificate a payment, a single bill w

Also-
11 ju soon or lengths of the first Joint $\}=1$ hauth or cuhit
of the thumb 2I) juscos thumb
21 jusscos

Frum the very careful investigations of Major Jervis, as given in his works on Indian Mctor$\log y$, it appears that


1 guz of 12 ungooliees $=312106$
The standard of Ilaheo guz used in the land settlement of the North-Western provinces has been fixed at 33 inches, whence
3.3 Inches $=1$ Ilahee guz
$20 \times 20=400 \mathrm{mq}$. hans $=1$ beegah $=3025 \mathrm{tq}$. yar
In Bengal the hauth or cubit has been assumed to be 18 inches in length, and thus generally-

$$
\begin{aligned}
& 4 \text { square hatith }=1 \text { square cowrie or kurra }
\end{aligned}
$$

These are the beegals most in use, and are the only values referable to tixed standards. The hauth may be said to vary lotween 15 and 30 inches, and the beegah between 1,500 and 3,000 sruare yards. The data at present before us are not sutheiently precise, and we have consequently not affected an accuracy which in truth we could not attain.
Banks.-The Bank of Bengal was established in 1809. Its authorised capital, according to Thacker's Bengal Directory for 1868 , is $3,00,00,000$ rupees, which, at $2 s$. the rupec. gives $3,000,0001$., of which $2,200,000 l$. has been paid up. The shares are now selling at a high premium. The management is conducted by nine directors-three appointel hy Government, and six elected by proprietors: time of service for the latter three years, This bank possesses peculiar advantages, and consequently its circulation extends over a very large area, its notes being received at all public ofliees, in payment of revenue, by the collectors of the various districts. Besides this (exelusive of savings' banks) there are 18 other banks, or branches of banks, of which 13 are 'limited.' The nominal capital of these amounts in the agroregate to about $14,059,0001$., the paid up capital, however, falling much short of this amount.
Insurances.-The itre, life, and marine insuranee business is conducted by 62 establishments and agencies, 8 of which are local, the nominal capital antounting in aggregate to over $30,000,000 \mathrm{l}$. The larger proportien appear to conduct marine insurance exclusively.
Pilotage, Port Charges \&.c.-The Marine Board at Calcutta have issued the following regulations as to pilotage, port eharges de. :-

1. Commanders are requested, prior to quitting their vesscls, on arrival off Calcutta, to fill up and certify, or cause to be filled up and certified, a form of certificate showing the actual registered tomage, tho draught of water, and whether the ressel has or has not been tugged by a nteamer any part of the way, or has not had the use of a row-boat. This form will be furnished 10) the pilot, in order to the bills of the vessel being correctly made out.
2. Commanilers are further requested, as carly after their arrival as possible, to notify in writing to the master attendant tlin name and residence of the reference for the payment of their vessels' bills.
3. On the recejpt by the master attendant of the abuve certiticate and written reference for payment, a single bill will be preparel, including

Inward pilotage, port ducs, and row-bont hire (if any), which, together with the certificate, will be forwarded to the collector of customs fur collection within fiftenn days of the arrival of the vessel, and having on it the name and resilence of the party referred to fur payment, which commamders ar: requested to furnili to the master attendant in writing, as early after their arrival as practicable : that officer will more readily be enabled to present it. IBy this arrangement all the eharges ennmeted with the vessel up to her arrival off Caleutta will be embodied in one bill, insteal of, as hitherto, being male in separate bills.
4. In the event of the vessel's doeking, or being transported at the tlesipe of the commaniler, it is requested that a certitieate may be givell by the commandiag otheer of the operation haviug theen performed, in order to its accompanying the bill when presented for payment to the referse.
5. The charges for hauling to the chain mooringe, for their monthly hire, and for hauling from the moorings, will he in separate bills, includings the charge for hanling to the moorings, that for occupying them, and that for hauling from them; and commanders are requested to give, or cause their commanding olficers to give, to the master actendant or the harbour-master eertificate of the date of hanling to and from the moorings, which ecrtificate, as before, will accompany the bill when presented for payment. The hire of the moorings will be charged for the day on whieh the vessel is hauled theretn, without reference to the period of the day; and in like manner no charge will be made for the day on which she liauls from her moorings, however late in the day she may cuit them.
6. The system of charging outward pilotage on an estimated drauglit of water, with an addition of 10 per cent., subject to adjustment after the vessel has sailet, and of charging a ecrtain number of days for a row-bont, subject to a like actjustment, is abolished ; and in future the outward pilotage and charge for row-boat hire on outwardbound vessels will be made as follows:-
When the vessel is fivally laden, the commander is to give notiee thercof to the master attendant, when the draught of water is to be ascertained and certitied by the commander or commanding othicer on the part of the vessel, and by the pilot on the part of Government, subject, in case of dispute, to the decision of the master astendant. On receipt of the certificate, the master attendant will cause a bill to bo made out for the regular amount of pilotage, and for the row-boa: hire. The bill and certiticate will be preseated in due course for payment.
7. As, however, it frequently happens that vessels are taking in cargo or filling their water up to the last day of their departure, or that from other causes the bills fir the chain moriags and outward pilotage cannot bo made out till the eve of departure, owners, agents, and commanders are, in such cases, particularly requested, with a view to despatch, to conse an individual to attend at the Bankshall and expedite the transmission of the bill and certificate to the collector of customs for collection.
8. In the event of a vessel being tugged any part of the way down by steam, or not having the use of a row-boat, commanders are to obtain from the pilot at Kedgereo a certificate to that offect, which they should forward by dak to their ageuts. On receipt thereof, agents are requested to make out a bill againat her Majesty's Government for the $\frac{1}{4}$ deduction from the pilotage allowed if tugged by steam, or for the row-boat hire paid, as the case may be, and to forward it, together
with the certificate, to the civil paymaster for audit and payment.
9. In eases where a ressel leaves Calcutta, avowedly intending to fill up eargo at some place below, the pilotage will be charged at the draught at which she leaves Calcutta in like manner, though at the reduced amount, as if she had proceeded to sea; and with respect to the subsequent inlotage charge from the place at which the vessel takes in the additional cargo to sea, owners or agents of vessels will be required to furnish a special guarantee to pay the amount chargeable according to a certificate of the draught of water to be signed by the commander or commanding oflicer and pilot.
10. T'wo sets of moorings at Diamend IIarbour having been fitted specially to enable vessels
arriving in distress from loss of anchors and cables to be readily moored, the charge will be Co.'s Rs, 10 for mooring and unmooring, and the daily hire the same as for the moorings at Calcutta. The moorings will of course be available to vessels not in distress from loss of anchors and cables, but the harbour-master will be instructed at all times to keep two sets vacant during the SW. monsoon to meet casualtics.
11. Annexed is a statement of the several port and pilotage charges ; and the master attendant trusts that, with these and the certiflcates of the commanders or commanding officers before them, owners and agents of vessels will at all times be enabled readily to ascertain the correctness of the bills, and to dischargo them on presentation :-

Pilotage Chargeable on Vessels: Intermediate or Broken Pilotage.


## Pinotige Chinges,

Outu'ards.-From within the Port of Calcutta,

1. Ta below Fort Ciloucester
2. To lelow Hog River Ohellik-

To helow tho Anchoring creek

$\%$ To below the Faint telecray of siation (ESE. 1 . or the low دrmost huoy of the Auckland, if channel, or the low
8. To Lelow the opex huoy of Medfords, or the apex huny of
. the western channel, according to the channel used -
9. To levelow a hine E. or $W$. of Saugor anchoring buoy, or
10. To helow a line ENE. or WSWV. of the
0. To kelow a line ENE. or WSW. of the T.nwer Caspier lower eastern reef head passoge liuoy for the south channel -

1. To thelow a line ENE. of the spis buoy for the eastern channel, or WSW. of the south channel reef buoy for
2. To luelow a line drawn east and weat of tic lower reef buoy, or the prilot station - - . full pllotage
Invards.-To within the Port of Calcutla.
3. From below Fort Gloucester :
4. From below Illog Hiver (bler lisk
5. From below the Anchoring Creek
6. From below the A nchoring Creek
7. From below Dhamond Harfour telemraph
8. From below Rangafulla Obelisk (SE.)
-. From helow the Yairway huiy of hedforls.) channel, or the lowermose hooy of tho Auckiand, if in thas ebannel
9. Froup helow the apea buoy of Redfords, or the npes buoy
of the western channel, according to the channel used 9. From leelow a line east or west of Sauzor anchoring iuoy, 10. From the the a bune for the western ribannel rom lielow a line ENE. or WSW. of the Lower Gasver
light-vessel for the eastern channel, or W'SW. of the light-vessel for the eastern clannel, or W'SW. of the
lower eastern reef head possage buoy fur the south
channel
10. Fromn helow a line ENE. of the spit hoy for the eatern Channul, or WW W,
11. From lelow a line drawn east and west of the lower ref 11.12 buoy, or the mlot stadion. Wref Remork.-Intermediate or hraken pilotage la calculated fol tilimitile suhtracilion of the proportion ievialle for the shorter distance fivos that chargealle for the greater.
cillustrafian. - What tron
pallustration.-What piroportinn of the outward piltake should be
 i'roportion for Saugor loouls, belon Aprex Hedford\& I'roprortion payable

Table of Port Dues lcviable in the Port of Calcutta uuler Act No. KXX. of 1857.

Sea-going vensels of 20 tons and upwards No port dues charyeable on
weather, to re-enter port.
Dhatis , Dhanles or country vesels employed in the coasting trade
chargeable not of cener than once in fit days Chargeable not oftemer than once in 6it days
Tup steamers belonging to the port, once every 6 montha, viz, once from fanuary i 10 Jure 30 , and onec froin 7-12 July 1 to Ifecemiber 31, annually

All Vessels oecupy or swinging, sha aecording to the.


Table of Port Fecs $l$ under $A$
llauling to or from chain me leaulink to or from awinging liauling In or
Use of buoy hauling inck, ea Removing from ong in or out of $t$ kemoving from one moorin Ilooking
Deasuring

Customs Wharfage
The following new 1
Charges have been $j$ 1860 :-
I. Goods lying on $t$

House Compound, an allowed to remain fo any charge for rent, af (at the rates enumera to be charged for four
anv further number of II. Geods lying und llouse to be allowed tw single rent, and for any of that period double re
111. Goods landed a

Goods remaining in the twenty-four hours shall are, and if remaining i Wharface.
IV. The day of landi be reckoned as one da are not reekoned in th delay is caused by the Hutse Officers to exar after application in du the days of such delay term,

Scale of
Betr-whole pipe, butt, or punc hair plpe, or hogshead Large quarter, inipe

| Large |
| :--- |
| Tiefre |
|  |

Large crate "
Smaller crate"
-huat or pipe "

half pilye or hopshead:
quarier pipe
chest above 12 dozen slee
chest of Gillozen silze, or a
quarter chest or 3 loteren
ell boxes under 3 dozen az
Spirits, oneer divien box
少 hophead
in hootlie evead as 1 dazinn 3 alove I and under 3 doze above 3 and under 6 dozeris and under fidoz
British piece goods, per case abs piece goods, per case abov
per caie ur is dozen slac per case of 6 dozen size o
per bale or size of $\mathbf{~ t w i s t ~ o f ~}$
$t$ aist, of pill sorta smaller size of ell sorts per ber bale oree
per bale d straller size

## CALCUTTA

All Vessels occupying Governmınt Moorings, fixed or swinging, shall be liable to pay for the same according to the following revised scale :-

|  | From Naf. 1 ta May 31, per diem | From June 1 <br> to Gesaler 31 per diem |
| :---: | :---: | :---: |
| Vesselv up to 199 lons |  |  |
| from yoo up to 299 tons | $2{ }^{2} 80$ | 400 |
|  | $\begin{array}{lll}2 & 8 & 0 \\ 3 & 0 & 0\end{array}$ | $\begin{array}{lll}5 & 0 & 0 \\ 6 & 0 & 0\end{array}$ |
| $\begin{array}{llll}400 \\ 500 & \text { " } & 499 & 39\end{array}$ | $\begin{array}{lll}3 & 0 & 0 \\ 3 & \times & 0\end{array}$ | $\begin{array}{lll}6 & 0 & 0 \\ 7 & 0 & 0\end{array}$ |
| $600 \times{ }^{*} 999$ | 400 | ${ }^{8} 000$ |
| 1,0130 and up ta 1,249 | $\begin{array}{lll}5 & 0 & 0 \\ 6 & 0 & 0\end{array}$ | 10.00 |
| 1,250 to 1,439 tons | $\begin{array}{lll}6 & 0 & 0 \\ 7 & 0 & 0\end{array}$ | $\begin{array}{lll}12 & 0 & 0 \\ 14 & 0 & 0\end{array}$ |
| 1,750" 1,799 | $\begin{array}{lll}8 \\ 8 & 0 & 0\end{array}$ | 1600 |
| Swinging morings and upwaris | $\begin{array}{lll}9 & 0 & 0 \\ 2 & 0 & 0\end{array}$ | $\begin{array}{rrr}18 & 0 & 0 \\ 4 & 0 & 0\end{array}$ |

## Table of Port Fees leviable in the Port of Calcutta under Act XXX. of 1857.

llauling to ne from chaln moorlngs, each operation
lauling to nr from chaln moorings, each operation
Hauling to or from swinging modings, each operation
te-mooring
Usuling in or aul of dock, each pperatlan
Use of buoy hauling In or out of dock
Removing from one part of the port to anather
Removing from one part of the port io anather
Kamoving from ona mooring to another, at the request of the
arent of master : moorink to andither, at the requesl of the
Hooking -
Measuring
Customs Wharfage Rules and Scale of Charges.The following new Wharfage Rules and Scale of Charges have been in operation from January 1, 1860:-
I. Goods lying on the Wharf or in the Custom House Compound, and not under cover, to be allowed to remain four days without incurring any charge for rent, after that period single rent (at the rates enumerated in the annexed Table) to be charged for four days, and double rent for any further number of days.
II. Goods lying under cover within the Custom llouse to be allowed two days rent-free, two chays single rent, and for any number of days in excess of that period double rent.
11I. Goods landed at the Custom House and Goods remaining in the shade on the Ghaut heyond twenty-four hours shall be charged Double Wharfare, and if remaining beyond eight days Treble Wharfage.
1V. The day of landing and that of removal to be reckoned as one day; Sundays and holidays are not reckoned in the rent-free terms. When delay is caused by the inability of the Custom House Officers to examine and pass the goods after application in due course for that purpose, the days of such delay are not to reckon in any term.

Scale of Chargcs.


Canraz, per balo
Sill, per bale
Silk, per bale
indiga, perg eheds, per case
Indiga, per chest
Opium, per chest tha.
 Cuteh, per 100 br mds.
Fermillon, per dye, per cheat
Arsenic, per box
Irass leat, per bos
China cases of nankin, cassia, camphor, silk, anisced \&s.
Ginger and inrmeric, per 100 hr mdi.
Ginger and turmeric, per 100 hr. man.
Cloven, per ber, brd.
Clity
Coillee, pepper, cardamom, cummenseed, aniseed, In bags
Surar, sjuces, ind any ather similar articies, $\ln$ hagsheads, Suyar, spices, an
per hayshead giver har, in tiercea, per tierce:-
Tea, per whate chent
Sugar candy, per tub
Saint, per herrings, of atiser 6 ish, per kep Turpentine, linseed, and other vegetalife olls, per jar All cordage, per cwt. .
Hosin ar Dammar, per hri, md. imd. .
Gunnies, per large hale
Cow lides, per larger bale
Gaat skins per sunaller bale
Gaat gkins, per hate
Cuicksilver, per hr, md.
Cuicksiver, per bry md
Cin plates, per bna
Netals, per br. md.


New Wharfage Rules.-Importers and others landing goods at the Custom House are to appoint watchmen to take care of them: such watehmen are to have in their possession the badge or written authority of the persons appointing them, and which is to be producel when required by an officer of Customs.

Wharf Assistnnts are strictly cautioned from receiving packnges containing matehes, acids, erackers, gunpowder, gun-caps, saltpetre, or other inflammable artieles within their sheds, and to bring to the notice of the Controller as soon as they find from their boat notes or information otherwise received that such articles are about to be landed. Any person bringing such goods into the Sheds and Godowns of the Custom House will be liable to a fine of 500 Rupees, and to make good all damages arising therefrom.

No packages are allowed to be opened on the Wharf without the Collector's orders, or if for appraisement, under direction of one of the Appraisers.
No full casks or cases of wine, beer, or any ocher liquor are to be passed out until the empty ones covered by the same Perwannah are removnd first. This rule is applicable in cases where rarties are allowed to fill up beer, spirits, tar \&e., on the wharf before passing

As the Out-Sheds are only intended for the accommodation of goods !anded before the opening and after the closing of the gates, unless under specinl permission of the Collector, and with certain exceptions, no goods ure allowed to be pineed therein between the hours of $10 \mathrm{~A}, \mathrm{M}$. and $5 \mathrm{P}, \mathrm{m}$.
The following goods only are allowed to be landed outside at all hours :- Timbers and planks of all descriptions, heavy anchors and chains, tar, rosin, pitch, and all heavy packages which require the use of the crane.

All expenses incurred for advertising and removing packages are to be paid by the owners or consignees thereof at the time of passing.
An extra Officer and a I'eon to be appointed to all private bond Golowns at the expense of the bonders. The former to receive and the latter to accompany the goods passing into private bond. An officer is also appointed, at the expense of tho bonders, to pass out goods from private bond on which duty has been pnid.

A l'eon (if one be available) will be appointed
by the Offecr at the Bonded Warehouse to aca:ompinny grods inte public bond, otherwise a fee of 4 anmas mist be paid for an extra l'eon.

The rate to be charged by the extra Ofticer has been tixed from 10 A.m, to 1 r.m. at 1 ripee and 8 amus; and any further time beyond tho above up to 5 r.m., 3 ripees. From 5 to 6 p.s. an extra charge of 12 anmis will be made, and 1 ripeo from 3 to (j-30 P.M, after which time Officers are not expeeted to work. Fee for Peons, 4 annas each per day.

A conveyance fee of 1 rupee to be paid to the extra Oticer when required to attend at a Godown the distanee of which from the Custom House excecds $\frac{1}{2}$ a mile.
Instances having oceurred in which goods eould not be received and duly secured in the Bonded Warchouse on account of pussing out late from the Wharf, Assistants will not allow any goods intended for private boud to be carted after 4 d.a.m, nind for pablie bond after 4-30 1, m.

No work will be allowed on Súndays and Christim holitays.

Work before and after hours, and on general holidnys, will be allowed only on payment of fees, and under sanction of the Collector,
The rate for working on those holidays, and liefore a:ad after hours, i.e., from 7 to 10 A.m. mul from $5 \mathrm{P} . \mathrm{m}$, to sunset, is tixed at 5 rupees for each requisition for the Assistants, and 8 ammas to the Peons; if after sunset, extra fees of 5 rupees and 8 annas, respectively, will be charged.

All applications for working on holidays should he sent in to the Collector the day previens, and in time to allow the necessary arrangements to be made.
(ionds lying under cover within the Custom House to be allowed four days rent-free, two days single reat, and for any mumber of clays in excess of that period, double rent up to fourteen days (exclusive of the rent-free anil single rent terms), nfter that to treble rent tor ten days more, and quadrople rent for any period in excess of that term. These rates to be ealculated by the single rates tixed in Government Order No. 2796 , lated November 15, 1859, published in the Calcutta Gazette on January 4, 1860.
All empty Cargo Boats lying for more than twenty-four hours on the liver bank within the limits of the Custom IIouse, i.c., from Coilah Ghant to Clive-street Ghant, will be charged a rent of 5 rupees per day.
(omentry timber landed within the above limits will be charged, from the date of landing, a rent of 1 ripee per log per day.

## Scale of Charges for Use of Custom-house Crane.

## Caves, carriage

yiano
suma:
sundries, sixe not prcerding 6 dozens aloure 6 ig 12 dozs. above 6 dozems at
alove 12 docems
Casks, rice poose sum
asks, rice buw ls
sundries, size nnt exceeding 6 dozens
alove
dosens and not ezceeding 12 dozs. alover 12 dozens
butts, puncheuns, wines or spirits
buts, pubct
Baicus barrels, quarter casks
alrs, cow hider
goat skiny
goat sisk
canvels
purer
рирет
Prece goods
Crates, earthenware
Marl-inıry, metals, and weiphable sualifles packed or un: parted, per mannil
N.H.-A seconil charge of half the alove rates will be made on all packuges not carted when lined from lioe boat.
Trade of Calcutta,-During the present century the trate of Caleuta has experienced some very striking vicissitudes. Previously to the opening
of the trade in 1814-15 cotton piece goods formed the principal article of export from India; the vahe of those exported from Calcutia, at an average of the the years from 1814-15 to 1818-19, being (at 2s. per sicea rupee) $1,260,7361$. a-year. The extreme cheapness of labour in India, and the excellence to which the natives had long attained in several departments of the manufactire, would, it might have been supposed, have suftheed to place this important dejartment beyond the reach of foreign competition. But the wonderful genius of our mechanies, the admirableskill of our workmen, and our inmmense capital, have far more than countervailed the apparently insuperable drawback of high wages, and the expense of bringing the raw material of the manufiacture from America, and even Intia itself; and have enabled our manufacturers to bear town all opposition, and to triamph over the cheaper labour, contiguous material, and traditional art of the llindoos. The imports of British ecttons and twist into India liave increased since $181 \cdot 1-15$ with a rapidity unex.mpled in the annals of consmeree; and the native manufacture has sustained a shoek from which it is not very likely it will ever recover. The influence of these circumstances on the trade in piece goods has been very striking. During the year 1857-i8 the value of those exported from liengal was no more than $73,231 l$., being only about $\frac{1}{1 N}$ of what it announted to 36 or 37 years previonsly! In 1862-3 it foll, ineluding twist and yarn, to $23,878 l$, but rose to 119,5761 . in 1863-1, and was $78,35 \cdot l$. in 1864-j.

The importation of bullion into Calcutta las fluctuated in an extreme degree since the opening of the trade in 1814. Bullion hal from the earliest period been one of the most alvantageous articles of export to the East, and it continued to be largely imported into Caleutta down to 182:-28. But from that period the imports deelined, and were comparatively ineonsiderable down to 183738; indeed, in 1831-32, and 1832-33, the exprors of bullion exceeded the imports; but siace 183i38 its importation has again become greater than ever. [liast Indins; Pibicious Mietals.]
It does not, however, appear to be very difticult to account for these variations. Formerly the export of bullion to Indin, though induenced by other causes, was mainly occasioned by the dificulty under which we were then placed of providing artieles of merchandige suitable for the Indian markets sufficient to balance our impurts. The astonishing incrense of our exports of cotton goods and yarn to lndia has, however, gone far to obviate this difiliulty : in truth, the finir presumption seems to be, that in future the circumstances of the case will be reversed, and that the dithiculty of proenring return eargoes of produce suitable for our markets will, in ordinary years, be found to be the principal obstacle to the extension of our trade with IIindostan as well as with China. There seems to be no limit other than the necessity of firnishing equivalents in their stend, to the indetinite sale of onr produets in the East; and in so far, at least, as Indin is conterned, the facilities for fornishing such equivalents will, most likely, be gradually increased. The soil and climate of Bengal seem to be peculiarly well suited to the production of grain, sugar, indigo, opium, silk, cotton, saltpetre. jute, tea, spices, and a host of other articles; and as the inhabitants are not deticient in industry, nor in the desire to improve their condition, it would seem that there wants only a redaction of the land-tax, which is so heavy as to paralyse all their energics, to eamble them to increase their artieles of expert to an indetinite extent, aud to
renter their country prosperons.
Calcutta is the cl tracle of Bengal ; th Chittagonk, Cuttack
figures and stateme firures and stateme mainly the external
dency. Of the prin this part of India, o cotton to the United (in this article there $h$ increased export arisi in Amerien) : indigo $t$
riea, France, and rien, France, and Ger dom, liurope, and Am dom, France, Maurit Persian (inltis; grain Mauritius; raw silk France; saltpetre to $U_{1}$ China, and France; s Anericn, Mauritius, na
to United King to United Kingelom a chiefiy to the United former New South Wa
Imports,-The prine Imports,-The princi
Calcutta consist of Calcutta consist of co
piece goods, chiefly liri apparel of all kinds, bo nery, malt liquors, metal irou, tin, spelter, mas and military stores, rail wines, salt, woollen goot The following tables trade of Bengal at differ
Account of the Number a each Nation (incluelin Ports in the Presidency mentioned Years ended


## An Account shouing the ported ints

| Artioles | 1 H |
| :---: | :---: |
| Appan-1 <br> Cial antul coke | 193,599 |
| Weis anil that.onery | 31,6414 |
|  | 711.417 |
| Faiks and nuts, | $2,202,916$ |
| Jeve lery and prectous sines |  |
| Matinery | 53,893 |
| Mal liquor : |  |
| Veta, inamufnctured | 147,489 |
| whe lumbanofatd. | \%64,969 |
| it moxis | 666,116 <br> 301,930 |
| fuilmay miterlals hines and spirius | 30,930 |
| Hoalen goouls | 223,677 $13 \times, 740$ |
| ay imports |  |
| Totul Import trade |  |

render their country comparaticely fourishing and prusperous.
Calcutta is the chief port for carrying on the trade of liengnl; the minor ports being linalasore, Chittagong, Cuttack, and 1'ooree. The suljoined tigures and statements, therefore, will represent mainly the external traile of the liengal l'resideney. Of the principnl articles exported from this part of India, opium goes to Chima chiefly; cotton to tha ('nited Kingdom, France, and Chinn (in this article there has been of late years a largely increased export arising from the inte disturbances in Amerien) ; indigo to the United Kingdom, America, France, and Germany; jute to United King dom, liurope, and America; rice to United Kingdom, France, Mauritius, America, Arabian and l'ersinn (iulfs; grain of other kinds principally to Mauritias; raw silk to United Ringdom and Frunce; saltpetre to United Kinglom and Anerica, China, and Frnnce; spices to United Kinglom, Amerien, Mauritius, and Straits Settlements; seeds to United Kingilom and America; sugar and ten chiefly to the United Kingdom, though of the former New South Wales receives largely.
Imports. -The principal articles of import into Calcutta consist of cotton twist and yarn, and piece goods, chiefly lbritish manufacture; wearing apparel of all kinds, books and stationery, machinery, malt liquors, metals (rnw)consisting of copper, iroii, tin, spelter, manufuctured metals, naval and military stores, railway materials, spirits and wines, salt, woollen goods, also bullion, or trensure.
The following tables will show the state of the trade of liengal at different periools :-
Account of the Number and Tomage of Vessels of each Nation (including Steamers) Cleared at Ports in the Presidency of Bengul in the 2 undermentioned Years endell April 30 .


An Actount shouting the Principnl Articles Imported into Bengal.

| Articlew | 1850-31 | 14.3-34 | 18610-61 | 198,3-6, |
| :---: | :---: | :---: | :---: | :---: |
| Apparcl | $19.5,593$ | $17 \frac{1}{x}, 1,1,11$ | $\underset{1: 99,331}{E}$ | $\underset{y}{\boldsymbol{L}} \mathbf{i n , 0 4 9}$ |
| Chals aund conke |  | 35,518, | 113,118 | 132,79 |
| Moson $\left\{\begin{array}{l}\text { Twitat and jarn } \\ \text { focots }\end{array}\right.$ | \% 710,315 | 3,40640 | 1,111, 10.5 |  |
| Pmiks nimi nuts | 2,202, 63,831 | 3, 1006,36 |  |  |
| Serel lety and prectous |  |  |  | 66,0.3 |
| Hone - | 55,89, | 86,567 | 107,911 | 113,820 |
| , ya, tiner | 14, 101 | 87,34. | 716,246 | 374,184 |
| Mat hquar | 48, 33 | 77,768 | 113.128 | 218.819 |
|  | 127,4890, | 191.193 | (113,747 | $111.2 \times 5$ |
|  | 86x,969 | 3sit | 921,88 | 1,213, $\mathrm{K}^{2} 9$ |
| Mr goois | 31,930 | 34, ${ }^{\text {a }}$, 52 | 112, ${ }^{1}$, | 125,5; ${ }^{\text {d }}$ |
| Mulway materials |  | - | 7199,162 | 479,1,4 |
| Hines and spirit/4 | 223,675 | 153,093 | 270,211 | 35.1.init |
| Wrosilen goods | 132, 881 | 66, 173 | 117,47s | ${ }_{26} 6.5193$ |
| Gres imports Exilion or treasure | $\left\|\begin{array}{l} 6,158,813 \\ 1,165, x+22 \end{array}\right\|$ | $\left.\begin{array}{l} 1,6,63,367 \\ 2,105,981 \end{array}\right]$ | $\begin{array}{\|l\|l\|} 12,120,634 \\ 3,54,64 \end{array}$ | $\left\lvert\, \begin{gathered} 10,24,3,680 \\ 1,8,36,50 \end{gathered}\right.$ |
| Patal Imporl trade | 7,304,64.5 | 7,759 351 | 13,6:50,477 | 15,050,219 |

Account of the Vohe of Principal Articles Eixported from the Bengil Presidency to all purts out of India.

| Arilcles | $\left.\right\|^{1 \text { Ninlos }}$ | $1 \times 53-41$ |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $265$ | $\frac{e}{161, f ; 51}$ | $\underset{i 6,53}{2}$ | $3,0, \mathcal{Z}_{1,103}$ |
| $\text { Cotton }\left\{\begin{array}{c} \text { (imad } x, \text { twist } \\ \text { and yurn } \end{array}\right.$ |  |  |  |  |
| 1), es $\left\{\begin{array}{l}\text { lndign } \\ \text { Onfur }\end{array}\right.$ | 1,716,17 |  | $1,54 ; 2,6299$ | $1,29,578$ |
| Dirain ${ }^{\text {Stlice }}$ (tinds: |  |  | $1,1,103$ |  |
| ain $\left\{\begin{array}{l}\text { litce } \\ \text { Gifler mrts }\end{array}\right.$ : | $\begin{gathered} 50 N, 2<10 \\ 1 x, 850 \end{gathered}$ | $\begin{array}{r} 75,3.57 \\ 30,2 \cdot 13 \end{array}$ |  | +133,12\% |
| bew and gumy |  |  |  |  |
| Hide |  |  |  | 7\%7,659 |
|  | 196 | \$14,764 |  | 1, , 0 |
| linc | 133,7 | 1020349 | $17 \%$ | 83 |
|  | 7 , | 18,0,3 | 61,237 |  |
| Opium | 3,155,475 | 3,684, !163 | 3r 575,111 | 207, 2 is |
| Saltuet | 361 | 5111,20\% | 593,367 | 69\%101 |
| Seeds of al | yfiz, | 267,111 | 763,677 | 13 |
|  | 17.5 |  | 39, |  |
| Nilt $\left\{\begin{array}{l}\text { ficouls }\end{array}\right.$ |  |  | 111 |  |
| Surar and sa | 1,561,503 | 335,678 | 719.9 |  |
| Te | 11,821 | 24,315 | 1117038 | \% 2 |
| J'mber and w | 4,171 | 107.4111 | 151,0)6 |  |
| T'olatco | (133 |  | 11, |  |
| (jross esports Jiuhthon or trea | 9,4177 | , 13.37 | $\begin{array}{r} 19 x \\ 497 \end{array}$ |  |
| Total export trale |  |  | cor |  |

Statement of the Number of Ships and their Tonruge entered and cleared into and from Bengul.

| 18:3.31 | Entered |  | Cleared |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Ships | Tonnage | Ship! | Tпппаке |
| Nritish - <br> Fortian - <br> Nativerran | $\begin{array}{r} 6.58 \\ 34 y \\ 397 \\ \hline \end{array}$ | $\begin{array}{r}579,235 \\ 159.280 \\ 54.423 \\ \hline\end{array}$ | 710 347 311 | $\begin{array}{r} 461,372 \\ 149,467 \\ 5 \mathrm{y}, 1 \times 1 \end{array}$ |
| Totat | 1,577 | 581,878 | 1,5078 | 663, 920 |
| 1863-64 |  |  |  |  |
| nritinh - <br> Foreign - | 1,430 | $\begin{aligned} & 8 \pi 9,824 \\ & 174,151 \end{aligned}$ |  |  |
| Native cral | 464 | 178.170 | 2.58 <br> 175 <br> 1 | 10,164 $1.5,327$ |
| Tntal | 1,010 | 1,002,125 | 1,657 | $8611,029{ }^{-1}$ |

In 1865-66, 1,089 vessels of 801,170 tons entered the port, and $1, t 20$ of $8 \overline{5} 4,440$ tons clenred out.
Remarks on Exports,-'the reader will elsewhere tind [Canton; Opium] pretty ample information in relation to the trade in opium. It is sufticient here to state that it has rapidly grown in magniturle and importnnce. At an average of the years 1830-3t nad 1831-32 the exports from Calentta were 7,273 chests, worth $1,121,560 l$. whereas during the year 1857-58 the exports had increased to 38,874 chests, worth $716,083 l$. In 1868-4 the value of the exports from Bengal was $5,207,236 l$, and in $1864-54,724,300 l$. China is not the principnl merely, but almost the only market for opium, so that the trale between Calcutin and her is now second only to that between Calcutta and England. It is true that large quantities of opinm are shipped for Singapore and other intermediate ports, but China is its ultimate destination.
'I'ownrds the close of last century the exjorts of indigo from Calcutta were compratively tritling; but about that period Europeans began to engnge in the business; and the colture of the plant was, in consequence, so much extended, and the preparation of the drug so much improved, that it has been for a lengthened period mil article of primary commercial importance. Of late yenrs, however, the growth of indigo appears to have incrensed but slowly; the shipments in 1830-31 and 18:31-32 beins 2,856 tons, and those in $18 \mathbf{5}^{7}-58$ only 3,071 tons The value of the exports from Bengal in 1864-5 ( $1,426,883 l$.) is, however, higher than that of 1863-4. The stationary state of the trade has been nseribed partly to the influence of importations from Java, where indigo is now very extensively raised, and partly to the alleged decreaso in the use of blue cloth. France is, next to England, the grent market for indigo.

We had oceasion to remark, in a former edition

Abstraet View of the External Trade of Bengal.



| Fixports |  |  |  |
| :---: | :---: | :---: | :---: |
| 185.3-51 |  | 1483-61 |  |
| Merchandise | Treasure | Merchandise | Treasure |
| $\underset{4,009,775}{\boldsymbol{c}}$ | ${ }_{7,131}$ | 9, ${ }_{\text {114,82.3 }}$ | $\stackrel{\sim}{13,90.3}$ |
| $\begin{aligned} & 09,775 \\ & \hline, 771 \end{aligned}$ | :131 | 1\%,017 | 13,90.3 |
|  | ". | т 63,938 | $\because$ |
| 161,1099 | - | 191,092 | $\because$ |
| i',111 | $\because$ | $\cdots$ | " |
| 11,64* | - | 53,443 | 201 |
| 25,711 | 56̈, ${ }^{\text {a }} 6$ | 304, 3 \% | cs: ${ }^{\circ} \mathrm{O} \times 19$ |
| 3,25x, 2788 | 36,386 $\mathbf{2 6 0 , 6 9 9}$ | 4, $416,3,308$ | 653,1019 ${ }_{107}$ |
| 565,926 | .. | S6i, \%fiz | .. |
| 9,073 | - | $37 \% \% 8$ | $\because$ |
| 36,322 4,100 | "', | [0,901 | $\because$ |
| , 10 | " | $\ldots$ | $\cdots$ |
| f,0,35 | . |  | $\because$ |
| 219,111 | 38,260 | 813,138 | $\because$ |
| 21, $2 \times 524$ |  | 162,505 | .. |
| 125,566 | 300 | 162,505 | . |
| 739, $7 \times 1$ | 74,117 | 1,2i7, 023 | 10, 212 |
| 1,744 |  | 101,79x |  |
| 89,274 | 300 | 101,122 | 120 |
| " | $\because$ | $\cdots 1,916$ | - |
| 22,50:3 | . | 31,2,0 | $\because$ |
| 10,133,304 | 137.913 | 18,6i10,264 | bx4. 511 |

Account showing the Falue of the Imports into and of the Exports from Bengal of Merchundise and Treasure in the folloning 25 Years, euded April 30,

| Year | 1 Imports |  |  | Experts |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Merchandlise | Treasure | Total | Merchandise | Treasure | Total |
|  |  |  | $5, \stackrel{f}{y_{1}}$ | $8, \stackrel{f}{\boldsymbol{f}}, 566$ |  |  |
| 1818 | 4,590,75, | 918,408 |  | $8,060,566$ $8,106,361$ | $\begin{aligned} & 146,206 \\ & 159,156 \end{aligned}$ |  |
| $1 \times 13$ | 3,915,185 | 1,614,712 |  | 7,363,438 | 72, 934 | 7,4.76, 370 |
| $1 \times 14$ | 4,471,433 | 1,754,326 | 6, $2 \times 6,819$ | 9,491,111 | 19.9.794 | 11,076,905 |
| $1 \times 15$ | 5,953,490 | 1,541,365 | 7,515,3,5 | ${ }^{9}, 4842,197$ | 396,543 | 20,214,76 |
| $1 \times 46$ | 5,43x,617 | 991, 1896 | 6,243, 623 | 9,415,676 | Y47,1179 | 10,102,75.5 |
| $1 \times 17$ | 3, 313,443 | 1,3.76,229 |  | 9,4,31,393 | \% $2 \times 5.101$ | 9,519,79\% |
| 1N18 | 4,691,364 | 1,747, 412.68 | 5,414,58\% $6,770,5 \%$ | 7,961, ${ }^{\text {9,57 }}$ | 905,071 780,578 |  |
| 1819 | R, $2 \times 3,170$ |  | 6, 1940403 | 10,144,0.39 | 38, | 9,819, ${ }^{\text {9, }}$ |
| 1851 | [,115,2012 | 1,16 1,141 | 7,701,686 | 9,997, 548 | 276,349 | 10,273,457 |
| 185 | 7,067,106 | 2, 3141,171 | 4, 343, ${ }^{\text {a }}$ | 10, 12,971 | 2:31,348 |  |
| 14.53 | 4,993,675 | 3,993,94T | $8.3 \times 7$, 1062 | 10,734,5.5.5 | 476;375 | $11.211,930$ |
| 185.4 | 5,673, ${ }^{\text {a }}$ | 2,18), 986 | 7,7.j4, 354 | 10,13,3,30.1 | 137,913 | 10,571,217 |
| 18.5 | 6.59 | 64.,121 | 7,211, fi18 | 10,655,450 | 341,566 | 11,047,416 |
| $1 \times 56$ | T, wx, Gipt | 3,179, \%.61 | 13.37, ${ }^{1.560}$ | 12,936, 81017 | 112,576 | 13,011,336 |
| $1 \times 57$ | $7,713,912$ | 6,124,573 | 14,178,145 | 12,914,582 | 549,4\%3 | 13,443,967 |
| 18.58 | 7,74,291 | 7,186,211 |  | 13,374,184 | 20.5,419 | 13,57!, 571 |
| $1 \times 9$ | 10,59\%, 1014 | 6, 6 6in, 121 | 16,1.51, $1 \times 7$ | 11,130, 185 | 85,402 | 11,515,9.48 |
|  | 12,917,119 | 7,774,779 | Y0,717,594 | 12,504,490 | $3419,2 \times 0$ | 12,903, 711 |
| $1 \times 61$ | 12,121,691 | 3, $, 21,1,613$ | 13,550, 277 | 13,10x, 0.54 | 457,747 | 13,656,506 |
| isfig | 10,230, 391 | 1,1769961 | 11,317,3.35 | 12,054, 0101 | 1.55, 5.5 S | 13, $110,8.59$ |
| 1863 | 111,211,961 | 4,37, 193 | 11,979,45\% | 15,169,0423 | 458.361 | 15,6483:387 |
| $1 \times 64$ | 10,213,6471 | $4,437,4633$ | $15.040,919$ | 18,610,241 | 6xx,911 | 19,328.5,563 |

of this work, that of the various articles brought from India, sugar seemen to be the one in which an increase of importation would most likely take place. In 1835 the duty on Enst India sugar, previously comparatively high, was reduced to the amount of that on West India sugar; and that eircumstance, and the continued high price of sugar in this country, gave a powerful stimulus to its culture in and exportation from India. But the great increase in the exports of sugar from 1830 down to 1840 has not been continued; nald now that the sugar trale is placed on a proper froting by the nbolition of the discriminating duties on foreign sugars, the importations from India will, perlinps, be but alowly jucreased.
In consequence of the American eivil war the exports of cotton from Bengal increased chormously, the value having risen from $\mathbf{7 6 , 5 3 6 1}$. in 1860-6i to 3,07.,4033, in 1863-4; luit it fell to 2,152,759l. in $186 \cdot-5$, and the nverage export for subsequent years will probably be mueh less.
The exports of saltpetre from India have not, as many anticipated, been affected by the competition of nitrate of sodn from South America. In 1830-31 the exports from Calcuttn were 424,729 fuct. maunds; whereas, in 1850-57, they amounted to 946,801 Ind. maunds. The salue of the exports from Bengal, however, fell from 813,1011, in 1862-3 to 529,0101 , in 1864-5.

The exports of rice from Bengal fluctunte very greatly. This is not cansed so much by yariations in the crops of the country as by varintions in those of other countries; for, when a scarcity occurs in almost any parts of continental Asia or in any of its islnuls, recourse is most frepluently had to liengal to supply the defieiency, and the demands thenee arising have been sometimes enormous. In 1831-32, for example, the exports of rice from Caleutta to the coast of Coromandel amounted to only 16,545 maunds, whereas in 1833 34 they amounted to $1,252,0056$ maunds. (bell's Comparative View of $183:-33$ and 1833-3.4, p. 41.) The value of the exports of rice from lengal in 1864-5 was $2,611,7591$. It is worthy of remark, that while Bengal is hipping immense supplics of rice and other grain to distant parts, a large part of her own population is frecquently in a state of great want and suffering. Ireland is not, therefore, the only country in which the mest abject poverty and wretchedness on the part of the inliabitaints are found combined with great fertility of soil and a large exportation of food.
Besides the articles of mative Indian produce exported from Calcutta, she re-exports pretty considerable quantities of various articles brought from other parts. The value of the British cotte . goods re-exported amounts to about 200,0001. a-ycar.

They are principall for silver, Tho coi the Ilurmese domini in Burma, as in En genuity of the smug lance of the Governn on without much difl CALICO (Ger, ka :tun; Swed. cattu ani. tela bambarina
alcodon; Port nlgodon; Port, panue Pol. baweluikn ; Chi cotton; so called fr coast, whence it was all white or urpris nominated calicoess; this term is applie printel.
Ifistorical Notice of This art, though appn cult, has beent practis herolotus mentions
on tho shores of tho painting the figures o with a colour formed liruised and soaked in this colour was not effi ns the clothes themsel gine that the colours nent, had not those us with the use of mordn passarge in Pliny (Hisi Which, though in som
that the ancient that the aneient Egypt
with the prineiple of with the prineiple of cali
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CAMEL

They are principally bartered with the Ilurmese for silver. The eonveyance of the latter out of the flurmese dominions is strictly prohibited; but in Burma, as in England and elsewhere, the hogenuity of the smuggler is too much for the vigiJance of the Government, and the trade is carricd on without much difficulty. [East Indies.]

CAIICO (Ger. kattun; Duteh, katoen; Dan
:tun; Swed. cattun; Fr. coton, toile de coton ; ani. tela lambagina, tela dipinta; Span. tela de algodon; Port. pano de algodao: Russ. whboika; 'ol. bawelnika; Chinese, pii). Cloth made of cotton; so called from Calicut, on the Malabar coast, whence it was first imported. In England, all white or urjpinted cotton clothes are denominated calicoes; tut in tho United Sintes this term is applied to those only that are printed.

Historical Notice of the Art of Culico Printing.This art, though apparently one of the most difilicult, has been practised from a very remote cra. llerodotns mentions (lib, i, s. 202) that a wation on the shores of tho Caspian were in the halit of painting the figures of animals on their clothes, with a colour formed from the leaves of trees bruised and soaked in water; and he adds that this colour was not effaceable, and was as durable as the clothes themselves. It is diffleult to imagine that the colours could have been so permnnent, had not those using them been acquainted with the use of mordants. There is, however, a passage in Pliny (IIist. Nat. lib. xxxv. sec. 11), which, though in somo respects obsenre, shows that the ancient Egyptians were fully aequainted with the principle of calico printing. 'They paint,' says he, 'the clothes, not with colours, but with drugs (sorbentibus medicamentis) that have no colour. This being done, they immerse them in a vat full of boiling dye, and leave them there for a little: when they take them out, they are painted of various colours. It is extraordinary, seeing that there is only one colour in the vat (unus in cortina color), that a varicty of colours should be prodaced by the operation of the drugs.' Pliny further states that the colours were so adhesive they could not be washed out; and that elothes were the stronger for being dyed. $\boldsymbol{A}$ similar process is known to have been followed in ludia from the earliest times. The chemical and mechanical inventions of modern ages have been the canse of vast improvements in this ingenious and beautiful art ; but the passage now quoted shows distinetly that we have, in this instance, beer only perfecting and improving processes practised in the remotest antiguity.
Gulico Priuting in th:s Country. Duties on Calicocs.-In Great IBritain the printing of cottons has formed, for a considerable period, a very important and valuable business, which may be truly said to have grown up amongst us in despite of repeated efforts forits suppression. To prevent the use of calicoes from interfering with the demand for linen and woollen stuffs, a statute was pased in 172l, imposing a penalty of $5 l$. unon the weaver, and of 202 , upon the seller, of a picee of calico! Fifteen years later this extraordinary statute was so far modified, that ealicoes manufactured in Greai I3ritain were allowed to be wom, -provided the warp thercof was entirely of linen yarn.' 'This was the law with respect to calicoes till after the invention of Sir Richard Arkwright atroluced a new era into the history of the cotton manufacture, when its impolicy became drious to everyone. In 1774 a statute was passed, allowing printed goods, wholly made of cotion, to be used, after paying a duty of $3 d$. per rard (raised to $3 \frac{1}{2} d$. in 1806); and cnacting some
regulations as to the marks to be affixed to the ends of the pieces, the stripes \&c.
This Act contimed lin force down to 1831; lnt, though an improvement upon the old law, it was much, and justly, complamed of. Its injustice and injurious operation were very forcibly pointed out by Mr. Poulett Thomeon (afterwards Lord Sylenham, in his exerllent speech on taxation, ou March 26, 1830. 'It ts a matter of surprise to me,' said the right hon. gent., 'that this nost impolitic impost should have been allowed to continne, especially when it was declared by the committec of 1818 to 10 "pertial and oppressire, and that its repeal was most clesirable:" who, indecd, can exanine it and not feel the truth of this observation? Is it credible, that, in urder to raise a nett revenie of 599,6691 .. a grose tax should be imposed of $2,019,737 /$ ? and yet this was the return, aecording to the paper on your table, for 18:28. And these figures are still far from showing the real eost of the collection of this tax;-that must be taken upon the gross produce: and supposing the rate of the eollection for the excise to be 5 percent., which is less than it really is, you have a cost of 20 per cent. on the nett produce of this tax, for charges. In addition to this, from all the enquiry I have been able to make, the inercased cost to the manufncturer is fully 5 per cent. upon the whole quantity made; so that yon have thus two sums, cach of 100,0001 ., levied on the public, for the sako of exacting a duty of 600,0001 . Hat the revenue is again, in this case, far from belag the measure of the injury you intlict. The incquality of the tax constitutes its chicl objection. The duty is levied upon the square yarl, at 33d. per yaril. Thus, the piece of calico which sells for $6 d .$, duty paid, contributes equally with that which is worth bs. a yard. Yon levy an onerous and oppressive tax of 100 or 150 per cent. upon the poor, who are the purchasers of inferior cottons; whilst the rich, who buy only the finest kinds, pay but 10 or 15 per cent.'
It is due to Mr. Thomson to state that, besides giving this forcible exposition of the inequality and injurions operation of the duty on printed goods, one of his first measures, on coming into office, was to propose its repeal.
In consequence, partly of the abolition of the tax, but prineipally, no doubt, of the extraordinary increase of the cotton manufacture, the business of calico printing has increased procligiously since 1830 . In proof of this we may mention that in 18:9, about twelve months previously to the abolition of the duty, $89,862,433$ vards of all descriptions of printed goods were exported to foreign parts: whereas, in 1841, thero were exported, of printed cottons only, the enormons quantity of $329,2 \cdot 10,852$ yards, of the declared value of $7,772,73$ čl.? Our cxports of printed cottons in 1866 amomnted to $897,825,517$ yards, valtued at $22,005,2161$., and in 1867 to $880,619,835$ yards, valued at 19,405,3841. [Cotron.]
CAMBRIC or CAMBRICK (Ger. kanmertuch; Dutch, kameryksdock; Fr. cambray batiste ; Ital. cambraja; Span. cambrai; I'ort. cambraia; liuss. kamerturg). A species of very fine white linen, first anade at Cambray, in French Flanders, whence it derives its appellation. It is now produced, of an equally good quality, in Great Mritain.
CAMEL (Fr. cliamean ; Ital. and Span. camelo; Ger. kameel ; Arab. (jjimel ; Lat. camelus; Gr. Ká $\begin{array}{r}\text { пояs }) \text {. This animal is indigenons to Aralia, and }\end{array}$ we only mention it in this place on aceount of its extreme importance in the commerce of the East.

The camel is one of the most uscful of the animals over which the inhabitants of Asin and Africa have acquired dominion. These continents
are intersected live vast racts of burning aand, the sente of dexulation and drought, so as apparently to exclule the possibility of any intercourse taking place lietween the conntrles that they separate. - Jat an the ocean, which appeara nt first view to be placed as an insuperable barrier between differcut repions of the earth, has been rendered, by unvigation, subservient to their mutual latercourse; so by means of the camel, which the Arabinas emphatically call the shire of the desert, the most dreary wastes ure traversed and the mations which they dixjoin are cmatled to trade with one another. By the wise economy of I'rovidence, the camel seems formed ou purpose to be the beast of burden in those regions where he is placed, and where his service is most wanted. lin all the districts of Asia and Africa, where deserts are most frejuent and extensive, the camel abounds. I'his is his proper station, and beyond this ifiesplere of lis activity does not extend far. Ile dreads alike the excesses of heat and cold, and does not agroe even with the mild climate of our temperate zone.' (liobertson's Disquisition on A acint India, Note 53.)

The tirst trade in Indian commodities of whleh we luve any account (Genesis xxxvii. 25) was carried on by camels; ant they still continue to be the instruments emploved in the convevance of merchants and merchandise throughont 'lurkey, I'ersin, Arabia, ligypt, larbary, and many contiguons countries. The merchants assemble in considerable numbers, forming themselves into an association or Canayan, for their mutual grotection against the attacks of robbers, and the dangers ineident to a journey through sueth rude and inhospitable countries. These caravans are often very large, aud usually consist of more camels thas nen. The capacity of the camel to endure fatigue, and the amall supuly of provisions that he requires, are almost incredible. ' 11 is ordinary burden,' says Volney,' is 750 lbs.; his food, whatever is given lim-straw, histles, the stones of dates, beans, barley \&c. With a pound of food a-day, and as much water, he will travel for weeks. In the journey from Cairo to Snez, which is 40 or 46 hours, they neither eat nor drink; but these long fasts, if ofteu repeated, wear them out. 'Their usual rate of travelling is very slow, hardly above 2 miles an hour: it is in vnin to pushi them; they will not quicken their pace; but, if allowed some short rest, they will iravel 15 or 18 hours n-day:' (Voyage en Syrie, t.in ii. p. 383.)

The Arabiara regard the came! is $z$ sacred animal, the gift of Heaven, without w?.ose aid they conld meither subsist, nor trade, wor travel. Its milk is their ordinary food; they also cat its tlesh, especially that of the young cansel, which they reckon excellent; its hair, which is renewed every year, is partly manufactured into stuft's for their clothes and furniture, and partly sent abroad as n valuable articfe of merchandise; and even its feces serve them for fuel. (See the admirable description of the eamel in Buffon.)

But, however useful to the inhabitants of parched, sandy deserts, it may be worth while, perhaps, to remark that the camel is of very little serviee elsewhere. He cannot walk 100 yards on wet or slippery ground without stumbling. He is totally unknown in all hilly or woody countries; and, with few exceptions, may be said to be as great a stranger in the Eastern Islands, Jupan, $t b$. southern parts of China, the whole country lying between China and India, and all the sonthern parts of the latter, including liengal, as he is in Europe. In all those vast countries the ox is the most useful of the lower animals. It is used for draught (for which the camel is totally
unfit), in the cart and plough, In the carrving of burdens, in treading corn, in the oil-press de., 3 mil tinally as fors.

CAMEL'S IHAll (Ger, kameelhanr ; Fr, poll de chameau, laine de chevron; Ital. belo di camello: Span. pelo of limn de cámelto). 'The hair of the camel imported into this country is principally used in the manufacture of tine jencils for drawing and painting. In the linat, however, it is an important article of commerce, and is extensively used in the arts. It serves for the fabrication of the tents and carpets of the Arabs, and for their wearing apparel. Cloth is also manufactured of it in l'ersia and wther places. I'he most esteemed hair eomes from I'ersia. It is divided into three qualities-black, red, and grey. The black is the dearest, and the grey is onty wowth half the red. Considerable guantitics of camet's hair are exported from Simyrna, Constantinople, and Alexandria. It is used in the manufacture of hats, particularly by the French. (Rees's Cyclopuadia, art. 'Camelns.') In 1866 there were imported into the United Kingdom $336,392 \mathrm{lbs}$ of canel's hair, valued at $10,500 \%$.
CAMLET or CAMBIEET (Ger. and Dutch, kamelot; Fr. camelot; Ital. ciambellotto; S'pau. canselote; liuss, kamlot). A plain stuff, manuthetured on a loom, with 2 trendles, as linens are. There are camlets of various cotours and sorts ; some wholly of grats' hair; others, in which the warp is of hair, and the woof half hair and half silk; others, again, in which both the warp and the woof are of wool; und, justly, some, of which the warp is ut wool and the woof of thread: some are striped, some watered, and some figured.
CAMOMILE or CHAMOMILE (Fr. camomille; Ital. camomilla; Span. manzanilla; Lat. chamomilln). A well-known plant (the Anthemis nobilis of Limmas) whose tlowers are used for medicinal purposes. lloth varieties, single and double, but especially the former, are bitter and very aromatic, (British Pharmacopaia of the Medical Council.) Most of what is brought to the I, ondon market is grown about Mitcham, in Surrer. The imports, however, are not inconsiderable, hnving amounted in 1852 to $8: 2,262$ lbs.; the exports, during the same year, were only $1,000 \mathrm{lbs}$. A duty of $1 d$. per ll . formerly laid on this article was repealed in 1845.

CAMPIIOR or CAMPIIIRE (Ger. kampfer; Dutch, kamfer; Fr. camphre; Ital. canfora; Span. alcanfor; liuss. kamforn; Lat. camphora; Arab. and Iers. kāfoor; Malny, kanfiur). There are two descriptions of this valuable article, which must not be confounded.

1. Camphor of Commerce, or that met with in Europe, is obtained by boiling the timber of a species of laurel (Laurus Camphora), a tree found in the forests of Fokien, in China, near the city of Chinchew, very commonly in Formosn, and in eertnin localities in Japan. Most of the camphor imported into Europe comea from China; but a small quantity, considered of superior quality comes from Japan by way of Batavia. The exports from Canton may be estimnted at about 3,000 piculs, or $400,000 \mathrm{lbs}$; and if to this we add the exports from I3atavia of Jnpan camphor, amounting to about 500 pienls, the total annual exports will be about 466,000 lbs. It is brought to this country in chests, drums, and casks; and is in small, granular, friable masses, of a dirty white or greyish colour, very much resembling lialf-retined sugar. When pure, the camphor of commerec has a strong, peculiar, fragrant, penetrating odour, sud $\boldsymbol{n}$ bitter, pingent, aromatic taste. It is in reality a concrete essential oil. Camphor, when refincl, is in thin hollow cakes of a beautiful virgin white-
ness, and, if expose Gireat enre is ther phor, to prevent exports of eamph 7, ti6 ewt. and 9,35 2. Chmphor $\boldsymbol{M f a}$ thupinish it from th
the port of Sumntra the port of Sumatra It is a product of $t$ forest true, conflned Malay penmsula.
in the thsures of tl in the thsurnes of tl do, only in winall quis The youniper treces, and only a fuw of th atter diligent aearch, examined before a Nhould any be fonncl, into logs, and the ni ments. The woor of theretore less liable much esteemed for cai
This species of cam gent than that vielded rypute among the Chi wholly consumed. I in the prices of the tinest Chiuese campho 30 dollars per pienl, w quoted at 30 dollars p of the latter 100 time former!

The virtues of this $k$ over estimated. Specin sess indeed the qualitic int an inferior degrec. pien, lung-nau, and pomedicine, employing $t$ tire-works.
Camphor is execedi
if ntowed with them.
Malay camphor is an article of trade.

CAMPHOR OIL prant essential oil, obtai heating the wood of the lt is ucarly as cheap as not held in any esteem I perhaps, be profitably $i$ a subsititute for spirsts
and for medicinal purp and for medicinal purp the timber of the Dryo inferior to any produced prows, for the purposes o
(Private informations (Pritate information; n chipelugo, vol. i. p. 516. ) CAMWOOD, A red Europe from Africa by priacpally ohtained fro Leone, where it is called The eolouring matter ha The eolonring matter w little from that of ordina in quality or quantity; with similar mordants. Danupicr, vol. ii. part ii this valuable article an The whe whe the exports The use of the article is
CANAL, CANALS
chantiel, filled with wate menns of locks or slit cation between two or $m$

1. Historical Sketch ot milich goods may be con
ness, nind, if exposed to the air, totally evaporates. (ireat care is therefore requisite in packing camphor, to prevent serious loss. The imports and exports of enmphor, in 1866, were respectively 7,166 ewt. and $9,35 \mathrm{~s}$ d do.
2. Cumphor Mfalay, commonly called, to disthipuish it from the last, camphor of larus, from the port of Sumatrn, where it is mostly shipperl. It is a product of the Dryobalanops Camphora, a furest tree, conthed to Numatra, Horneo, aro! the Malay peninsula. It is found in concrete masses in the tlasures of the wool: there are, however, bit very few trees that afford it ; and those that do, only in smail quantities.

The younger trees seldom possess this comretion, and only a few of the old ones. It is found only atter diligent search, tor hundreds of trees may be examined before any camphor is discovered. Shonld any be fonnd, the tree is ent down, sawn juiol logs, and the substance extracted by instruments. The wool of the ires is fragrant, and being therefore less liable to the attacks of insects is much esteemed for enrpentry.
This species of camphor is less biting and pungent than that yielded by the lanrel, and is in high rente among the Chinese, by whom It is almost wholly consumed. There is an immense disparity in the prices of tho two species in China; the tinest Chiuese camphor being sometimes quoted at 30 dollars per pieul, while the Malay canphor is quoted at 30 dollars per catty, making the price of tho latter 100 times greater than that of the furmer !
The virtues of this kind of camphor lanve been over estimated. Specimens brought to Europe possess indeed the qualities of ordinary camphor, but in an inferior degree. The Chinese call it ping pien, lang-nau, and po-lo-hiang. They use it in medicine, employing the common camphor for tire-works.
Camphor is exceedingly apt to taint other goods, if stowed with them.
Malsy camphor is wholly unknown in Europe as an article of trade.
CAMPHOR OIL (Malay, Minyak). A fraprant essential oil, obtained in large quantities by heating the wood of the Dryobalanops Camphora. It is nearly as chenp as spirits of turpentine, but is not held in any esteem by the Chinese. It might, perhaps, be profitably imported into England as a sulistitute for spirits of torpentine in the arts, and for medicinal purposes. We may mal that the timber of the Dryobalanops Cainphora is not inferior to any produced in the countries where it prows, for the purposes of honse and ship building. (Private information; and Crawfurd's Indian $\boldsymbol{A} r$ chipelugo, vol. i. p. 516.)
CANWOOD. A red dyewood, first brought to Europe from Africa by the Portuguesc. It is principally olstained from the vicinity of Sierra Leone, where it is called kambi; whence its name of cam or kam wood has obviously been derived. The edonring matter which it affords differs but little from that of ortinary Nicaragua wood, cither in quality or quantity; and it may be employed with similar mordants. (Bancooft On Colour.n; Danupier, vol. ii. part ii. p. 58.) The imports of this valuable aricle amounted, in 1866, to 397 tons, while the exports amounted to only 33 tous. The use of the artiele is declining.
CANAL, CANALS. A canal is an artificial channel, filled with water kept at the desired level If means of locks or slnices, forming a communitation between two or more places.

1. Historical Sketch of Canals. Ancient Canals. -The comparative cheapuess and facility with thich goods may ba conveyed by sea or by means
of havigable rivers seem to have suggested, at a very early period, the formation of canals. The hest nudienticated accounts of anelent lisypt represent that comerry as intersceted by canals conveying the waters of the Nile to the more distant parts of the comutry, partly for the purpose of irrigation and partly for that of intermal navigation. The etlirts made by the old ligyptian monarelis, and by the I'tolemies, to construct a camal between the Hed sea and the Nile, are well known, and evince the high sense vilich they entertained of the importance of this species of commumication. (Ameilhon, Commerce des Eigyptiens, p. 7t.)
(ireece was too mmali a territory, too much intersected by arms of the sea, and sibdivided into too many independent states, to aflord much soope for inland navigation. Attempts were, however, made to cut a canal across the Isthmus of Corinth; but they did not suceced.

I'he Romans did not distinguish themselves in canal nnvigation. Theiraqueduets, the stupendons ruins of which nttest the weulth and power of their fouralers, were inteuded to fumbish supplies of water to sume aljoining city, and not for the conveyance of vessels or proluce.
2. Chinese Canals,-In China, canals, partly for irrigation and partly for navigation, have existed from a very early period. 'Tho most celelirated amongst them is the Imperial or (irand Caual, commencing at IInng-tehou, near the month of the 'l'ching-tang-chiang river, in about lat. $30^{\circ} 22^{\prime}$ N., long. $119^{\circ} 45^{\prime} \mathrm{E}$. ; it then stretches north, and crossirg the great rivers Yang-tse-Kiang and Iloang-ho, terminates at Lin-ting, on the Eu-ho river, in about lat. $37^{\circ}$ N., long. $116^{\circ} \mathrm{E}$. The direct distance between the extreme limits of the canal is about 512 miles, but, including its hends, it is above 650 miles in length; and as the lin-ho, which is a navigable river, unites with the l'ei-ho, also navigable, an internal water-communication is thus established bet ween Hang-tehou and lekin across $10^{\circ}$ of lat. Jhat apart from its magnitude and utility, the Grand Caual does not rank high as a work of art. A vast amount of labour has, however, been expenderl upon it ; for though it mostly passes throngh a flat country, and winds about to preserve its level, its bed is in parts cut down to a great depth, while in other parts it is carried over extensive hollows, and even lakes and morasses, on vast mounds of earth and stone. The sluices, which preserve its waters at the necessary level, are all of very simple construction, being merely intended to elevate or depress the height of the water by a few inches; as, excepting these, there is not a single lock or interruption to the mavigation throughont the whole length of the canal. It is seldom more than 5 or 6 feet in depth, and in dry seasons is sometimes considerably less. The ressels by which it is navigated are sometimes rowed, and sometimes dragged by men, so that the navigation is for the most part slow. The canal is frequently faced with stone, The construction of this great work is usually aseribed to the Tartars, but the Chinese allege that it was merely repaired and renovated by the Intter, and that it had been completed in the remotest period of their history. (Barrow's China, p. 335 de. ; La Lande, Cananx de Nuvigation, p. 529 \&c.)
3. Italian Camals.-The Italians were the first people in medern Europe that attempted to plan and execute canals. They were principally, however, undertaken for the purpose of irrigation; and the works of this sort executed in the Milanese and other parts of Lombardy, in the eleventh, twelfth, and thirteenth centuries, are still regarded as models, and excite the warm admiration of
everv one capable of appreciating them. In 1271 the Navilio Grande, or canal leading from Milan to Abbiate Grasso and the Tesino, was rendered navigable. (Young's Travels in France \&c. vol. ii. p. 170. )
4. Dutch Canals,-No country in Europe contains, in proportion to its size, so many navigable canals as the kingdom of the Netherlands, and particularly the province of Holland. The construction of these eanals commenced as carly as the twelfth century, when, owing to its central and convenient situation, Flanders began to be the entrepôt of the commerce between the north and south of Europe. Their number has since been astonishingly inereased. 'IHolland,' says Mr. Phillips, in his History of Inland Navigation, 'is intersected with innumerable canals. They may be compared in number and size to our public roads and highways; and as the latter with us are continually full of coaches, chaises, waggons, carts, and horsemen going from and to the different cities, towns, and villages; so, on the former, the IIollanders in their boats and pleasure barges, their treckschuyts, and vessels of burden, are contimually journeying and conveying commodities for consumption or exportation from the interior of the country to the great cities and rivers. An inhabitant of Rotterdam may, by means of these canals, breakfast at Delft or the IIaguc, dine at Leyden, and sup at Amsterdam, or return home again before night. By them, also, a most prodigious inland trade is carried on between Holland and every part of France, Flanders, and Germany. When the canals are frozen over, they travel on them with skates, and perform long jonrneys in a very short time; while heavy burdens are conveyed in carts and sledges, which are then as much used on the canals as on our streets.
'The yearly profits produced by these canals are almost beyond belief; but it is certain, and has been proved, that they amount to more than 250,0001 . for about 400 miles of inland navigation, which is 6251 . per mile, the square surface of which mile does not exceed two acres of ground; a profit so amazing, that it is no wonder other mations should imitate what has been found so advantageous.

- The canals of Holland are geneially 60 fect wide and $\mathbf{G}$ deep, and are carefully kept clean ; the mud, as manure, is very protitable. The canals are generally levels; of course, locks are not wanted. From Rotterdam to Delft, the Hague, and Leyden, the canal is quite level, hut is sometimes aiffected by strong winds. For the most part the canals are elevated above the ficlis or the country, to elable them to carry off the water whiel in winter inundates the lend. To drain the water from Delftland, a province not more than 60 miles long, they employ 200 windmills in spring-time to raise it into the canals. All the canals of Holland are bordered with dans or banks of immense thickness, and on these depends the security of the country from inmulation; of course it is of great moment to keep them in the best repair ; to effect which there is a kind of militia, and every village has a magazine of proper stores and men, whose business it is to convey stones and mubbish in carts to any damaged place. When a certain bell riugs, or the waters are at a fixed leight, every man repairs to his post. To every house or family there is assigned a certain part of the bank, in the repair of wisich they are to assist. When a breach is apprehended, they cover the banks all over with cloth andstones.

5. Canal from Amsterdam to Nicudiep, near the Helder.-The olject of this canal, which is the greatest work of its kind in Holland, and probably
in the world, is to afford asafe and easy passage for large vessels from Amsterdam to the German Ocean. This city has 40 feet of water in the roal in front of its port, but the pampus or bar at the jnnetion of the $\mathbf{Y}$ with the Zuyder Zee, 7 mile belew, has ouly a depth of 10 feet; and hence all ships of any considerable burden entering or leavint the port must unload and load part of their cargoes without the bar. As the Zuyder Zee is everywhere full of shallows, ail ordinary means of improving the access to Amsterlam were necessarily ineffectual; and the resolution was, therefore, at length adopted, of cutting a camal from the city to the IIelder, the most northern point of the province of Holland. The distance between these extreme points is 41 English miles, but the length of the canal is about $50 \frac{1}{2}$. The breadth at the surface of the water is $\mathbf{1 2 4 \frac { 1 } { 2 } \text { English feet (120) }}$ Rhinland feet); the breadth at bottom 36; the depth 20 fect 9 inches. Like the Dutch canals generally, its level is that of the highest tides, and it receives its supply of water from the sea. The nnly locks it requires are, of course, two tide-loeks at the extremities; but there are, besides, two sluices, with floodgates in the intermediate space. It is crossed by about 18 drawbridges. The locks and sluices are double, i.e. there are two in the breadth of the eanal; and their construction and workmanship are said to be excellent. They are built of brick, for ceonomy; but bands of linestone are interposed at intervals, and these project about an inch beyond the brick, to protect it from abrasion by the sides of vessels. There is a broad towing-path on each side, and the canal is wild enough to almit of two frigates passing. (lor the expense of towing, see Amsterdas.)
The line which the canal follows may be easily traced on a map of Holland. From the $Y$ at Anísterdam it proceeds north to Purmerend; thence west to Alkmaar Lake; again north by Alknaar to a point within 2 miles of the cosst, nenr Petten; whence it runs nearly parallel to the coast till it joins the sea a little to the east of the IIelder, at the fine harbour of Nieudiep, formed within the last 50 years. At the latter place there is a powerful steam-engine for supplying the canal with water during neap-tides, and other purposes. The time spent in towing vesse's from Nieudicp to Ansterdam is 18 hours. The IIelter is the only spot on the shores of Holland that has deep water; and it owes this advantage to its being opposite to the 'Texel, which, by contracting the communication between the German Ocean and the Zuyder Zec to a breadth of about a mile, produces a current which scours and deepens the chamel. Immediately opposite the Helder there are 1010 fect water at high tides, and at the shallowest part of the bar to the westward there are 27 feet. In the same way, the artificial mound which nums into the $Y$ opposite Amsterdam, by contracting the water-way to about 1,000 feet, keeps a depth of 40 feet in the port (at high water), while alove and below there is only 10 or 12.
The canal was begun in 1819, and finished in 1825. The cost was estimated at $10,000,000$ or $12,000,000$ florins, or about $1,000,0001$. sterliur. If we conupute the magnitude of this canal by the cubic contents of its bed, it is the greatest, we believe, in the world, unless some of the Chinese canals be exceptions. The volume of water which it contains, or the prisme de remplissage, is twice as great as that of the New York Canal, or the Canal of Languedoc, and two and a half times as great as that of the artiticial part of the Caledouian Canai, In consequence, however, of the facility with which the Duteh canal was dug, and of thi evenness of the groun! through which it passes,
the difficultics contend in mal those which hac the canals now what returns thi is not, at least in able concern. the lowness of in the amount of 40 expenses; and should think, be tolls laid on the smemasm.] This sideration to be at of a work of this s the trade of Amst may far more thar evident, too, that $t$ would have effect tage ; that is, they olject for which th late derived thes
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It is almost unnec havo superseded the traffic, and that the se almost entirely to the 6. Dunish Canals,--
clonging to Denmar portance. It joins thy on the north-east co navigable communica a litcle to the north of cnabling vessels to pa by a short cut of abou lengthened and difficul through the Cattegat? is navigable for vessei feet water from Tons Rendsburg, where it is communicates with th 3 miles north of Kie English miles in leng of what is principally cavated portion is 95 iaches at bottom, and measure). Its highest the sea is 24 feet 4 inc are raised and let down navignable by vessels o. provided they are coas total cost of the canal opened in 1785, and of its projectors as to the Danish islands in if llolstein, Jutland Mc cland, England \&c. less $r: k$, thanl, in the tion, they could hav Skaw; and conversely The smaller class of $f$ lhase under the Duteh gating the Baltic and arailed themselves of
the diffeulties with which the enginecr had to contend in making it were tritting compared to those whieh had to be overcome in constructing the canals now mentioned. We have not learned what returns this canal yields; most probably it is not, at least in a direct point of view, a profitable concern. Even in Holland, notwithstanding the lowness of interest, it would require tolls to the amount of 40,000l, a-year to cozer ir:terest and expenses; and so large a sum can lardly, we should thiuk, be raised by the very moderate tolls laid on the ships passing throrgh it. [Asstrmbas.] This, however, is not the only consileration to be attended to in estimating the value of a work of this sort. Its intluence in promoting the trade of Amsterdam, and, indeed, of Holland, may far more than compensate for its cost. It is evideat, too, that the imposition of oppressive tolls would have effectually counteracted this advantage; that is, they would have defeated the very object for which the canal was constructed. (We have derived these details, partly from an able article in tho Scotsman, and partly from private information.)
At the present time (1867) a new canal is in course of formation in Holland from the Zuyder Zee at Vuurtoren to Amsterdam, through the Het-ij, Wij-Ker-meer to the North Sca ncar Brecsaap. The estimaced cost of the work is $18,000,000$ florins, and it is computed that it will be completed by 1870. The entrance into the North Sea will be by two jetties, that on the north 2,000 metres ia length, that on the south 1,500 . The canal is designed to drain 6,000 hectares ( 15,000 acres) of land, and will shorten the journey from Amsterdam to the sea by 56 kilometres.
It is almost unnecessary to say that railways have superseded the use of eanals for passenger traffic, and that the service of the latter is confined almost entirely to the carriage of goods.
6. Danish Canals.-The Holstein Canal, formerly belonging to Denmark, is of very considerable importance. It joins the river Eyder with Kiel Bay on the north-cast coast of Holstein, forming a navigable communication between the North Sea, a little to the north of Heligoland, and the Baltic; cnabling vessels to pass from the one to the other by a short eut of about 100 miles, instead of the lengthened and difficult voyage round Jutland, and through the Cattegat and the Sound. The Eyder is navigable for vesseis not drawing more than 9 fect water from Tonningen, near its mouth, to Rendsburg, where it is joined by the canal, which communicates with the Baltic at Holtenau, about 3 miles north of Kiel. The canal is about 26 English miles in length, including about 6 miles of what is principally river navigation. The excavated portion is 95 feet wide at top, 51 feet 6 inches at bottom, and 9 feet 6 inches deep (Eng. measure). Its highest elcvation above the level of the sea is 24 feet 4 inches; to which height vessels arc raised and let down by 6 locks or sluices. It is navigable by vessels of 120 tons burten, or more, provided they are constructed in that view. The total cost of the canal was about 500,0001 . It was opened in 1785 , and has so far realised the views of its projectors as to enable coasting vessels from the Danish islands in the Baltic and the east coast if IIolstein, Jutland \&c. to proceed to Hamburg, Itelland, England dc. in less time, and with much less $r$ : $k$, than, in the ordinary course of navigatina, they could have eleared the point of the Skaw; and conversely with ships from the west. The smaller class of forcign vessels, particularly those under the Dutch and Hanseatic flage, navigating the Baltic and Nerth Seas, have largely availed themselves of the facilities afforded by
this canal. About 3,000 yessels pass annually through the canal. This is a sufficient evideneo of its utility. It would, however, be much moro frequented, were it not for the diffieult navigation of the Eyder from the sea to Readsburg. Tha dues are inoderate. (Coxe's Travels in the North of Europe, 5th ed. vol. v. p. 239 , whero there is a plan of the canal; Catteau, Tubleau des Etats Danois, tom. ii. pp. 300-301; and private information.)
7. Swedish Canals.-The formation of an internal navigation connecting the Cattegat and the Baltic has long engaged the attention, and oceupied the efforts, of the people and Government of Sweden. Various motives conspired to make them embark in this arduous undertaking. The Sound and other channels to the Baltic were commanded by the Dancs, who were able, when at war with the Swedes, greatly to amnoy the latter by cutting off all communication by sea between the eastery and western provinces of the kinglom. Hence, in the view, partly of obviating this annoyance and partly of facilitating the conveyance of iron, timber, and other bulky products from the interior to the coast, it was determined to attempt forming an internal navigation, by means of the river Gotha, and the lakes Wener, Wetter \&c., from Gottenburg to Soderkeeping on the Baltic. The first and most difficult part of this enterprise was the perfecting of the communication from Gottenburg to the lake Wener. The Gotha, which flows from the latter to the former, is navigable, through by far tho greater part of its course, for vessels of considerablo burden; but, besides others less difficult to overcome, the navigation at the point called Tröllhatta is interrupted by a series of cataracts about 112 fect in height. Owing to the rapidity of the river, and the stubborn red granite rocks cver which it flows, and by perpendicular banks of which it is bounded, the attempt to cut a lateral canal, and still more to render it directly navigable, presented the most formidable obstacles. But, uudismayed by these it npediments, on which it is, indeed, most probable he had not sufficiently reflected, Polhem, a native engineer, undertook, about the middle of last century, the Herculean task of constructing loeks in the channel of the river, and rendering it navigable! Whether, however, it were owing to the all but insuperable obstacles opposed to such a plan, to the defective execution, or deticient strength of the works, they were wholly swept away, after being considerably advanced, and after vast sums had been expended upon them. From this period down to 1793 the nodertaking was abandoned; but in that year the plan was proposed, which should have been adopted at first, of cutting a lateral canal through the solid rock, about $1 \frac{1}{2}$ mile from the river. This new enterprise was begun under the auspices of a company incorporated for the purpose in 1794, and was successfully completed ia 1800. The canal is about 3 miles in sength, and has about $6 \frac{1}{2}$ feet water. This is the statement of Catteau, Tableau de la Mer Baltique, tome ii. p. 77 ; Oddy, in his European Commerce, p. 306, and Lalbi, Albrégé de la Geographie, p. 38Ј., say that the depth of water is 10 leet. It has 8 sluices, and admits yessels of above 100 tons. In one part it is cut through the solid rock to the depth of 72 feet. The expense was a good deal less than might have been expected, being only about 80,000 . The Lake Wcner, the navigation of which was thus opencd with Gettenburg, is very large, deep, and encircled by some of the richest of the Swedish provinces, which now possess the inestimable adyantage of a convenient and reaty outlet for their produets.

As soon as the Trölhnetta canal hat been completed, there could be no room for doubt as to the practicability of exiending the navigation to Soderkeping. In furtherance of this object, the lake Wener was joined to the lake Wetter by the Gotha canal, which admits vessels of the same size as that of Trüllhetta; nud the prolongation of the navigation to the Baltic from the Wetter, partly by two canals of equal magnitude with the above, and partly by lakes, has since been completed. The entire undertaking is called the Gotha Navigation, and deservedly ranks among the very first of the kind in Europe.
llesicles the above, the canal of Arboga unites the lake llielnur to the lake Mrelar; and since 1819 a cannl has been constructed from the latter to the Baltic at Sälertelje. The canal of Strömsholm, so called from its passing near the castle of thnt name, has effected a navigable communication between the province of Daleenrlia and the lake Maclar \&c. The total revenue of the 6 Swedish canals in 186. was 36,4361 . (Report of Mr . Hamilton, Secretary of Legation, of February 9 , 1867; Coxe's Travels in the North of Europe, 5th ed. vol. iv. pp. 253-266, and vol. v. pp. 58-66; Thomson's Travels in Sueden, p, 35̃; \&c.)
8. Freuch Canals.- The first canal executed in France was that of 13riare, 34t linglish miles in length, intended to form a communication between the Seine and Loire. It was commenced in 1605, in the reign of Henry IV., and was completed in 1642, under his successor, Louis XIII. The canal of Orleans, which joins the nbove, was commenced in 1675. But the most stupenclous undertaking of this sort that has been executed in France, or indeed on the Continent, is the canal of Languedoc. lt was projected under lirancis I., but was begun and completed in the reign of Louis XIV. It reaches from Nnrbenne to Toulouse, and was intended to form a safe and speedy means of communication between the Atlantic Ocean and the Mediterranean. It is 64 French leagues in length, and 6 fect deep; and has, in all, 114 locks and sluices. In its highest part it is 600 feet above the level of the sea. In some places it is conveyed, by bridges of great length and strength, over large rivers. It cost upwards of $1,300,0001$.; and reflects infinite credit on the engincer, Riquet, by whom it was planned and exceuted.

Besides this great work, France possesses several magnilicent canals, such as that of The Centre, connecting the Loire with the Saône; of St. Quentin, joining the Scheldt and the Somme; of Desançon, joining the Saône, and consequently the Rhone, to the Rhine; of Burgundy, joining the Rhone to the Seine \&c. Some of these are of very considerable magnitude. The canal of the Centre is about 72 Enghish miles in length. It was completed in 1791, at an expense of nbont $11,000,000$ francs. Its summit level is about 240 feet nbove the level of the loire nt Digoin; the breadth nt the water's edge is about 48 feet, and at bottom 36 feet; depth of water $\overline{5} \frac{1}{4}$ feet; number of locks 81 . The canal of St. Qucntin, 28 English miles in length, was completed in 1810 . The canal joining the lione to the lihine is the most extensive of nuy. It stretches from the Saone, a little above St. Jean de Losne, by Dol, Ilesançon, and Mulhouse, to Strasburg, where it joins the lihine-n distance of about 200 English miles. From Dol to Vogenucourt, near Montbeliard, the canal is principally excavated in the bed of the Doubs. It is not quite finished. The canal of lhargundy will, when cumpleted, be nbout 242 kilom. or 150 English miles in length; but at present it is only navigable to the distance of about 95 kilom. In adhlition to these, a great many other canals have been
finished, while several are in progress, and others. projected. There is an excellent account of the French canals in the Histoire de la Navigation Intérieure de la France, by M. Dutens, in 2 vols. 4 to., n d to it we ber to refer the reader for further details. IIe will find nt the end of the second volume a very beautiful map of the rivers and cannls of France.

The rnilroads now constructed in France have, however, chceked the progress of canals. [Bonneaux. ] We may observe, too, that the state of the law in France is very unfavourable to the undertaking and success of all great public works; nnd we are inclined to attribute the comparative fewness of canals in France, and the recent period at which most of them have been constructed, to its influence. In that country, canals, docks, and such like works, are mostly carricd on at the expense and for behoof of Government, under the control of its agents. No scope has been given to the enterprise of individuals or associntions. Hefore either a road or a canal can be constructed, plans and estimates must be made out and laid before the Minister of the Interior, by whom they are referred to the prefect of the department, and then to the Bureau des Ponts et des Chaussées ; and supposing twe project to be approved by these, and the other functionaries consulted with respect to it, the work must after all be carricd on under the superintendence of some public officer. In consequence of this preposterous system, very few works of this description have been undertaken as rrivate speculations; and while not a few of these $\therefore$, $n$ by Government remain uufinished sin ect. tirely useless, those that are completed have, us was to be expected, rarely proved profitablc. There are some good remarks on this subject in the usefal work of M. Dupin on the Forces Commerciales of Great Britnin.
9. Prussian Canals.-The Prussian states are traversed by the great navigable rivers the Elbe, the Oder, and the Vistuln; the first having its embouchure in the North Sca, and the others in the Baltic. The formation of an internal cavigation to join these great water-ways excited the attention of Government at a distant period; and this object has been successfully accomplished partly by the aid of the secondary rivers falling into the above, and partly by canals. In $166{ }^{2}$ the camal of Muhlrose was undertaken, uniting the Oder and the Spree; the latter being a navigable river falling into the Havel, also a navigable river joining the Elbe near Havelburg. But the navigation from the Oder to the Elbe by this channel wns difficult and lial le to frequent interruption ; and to obviate these lefects, Fredirick the Great constructed, towards the middle of last century, the Finnow canal, stretching from tbe Oder at Oderburg to the Havel near Liebenwalde; the communication is thence continued by the latter and $n$ chain of lakes to Plauen, from which point a canal has been opened joining the Flbo near Mngd aburg.
The lilbe being in this way connected with the Oder by a comparatively easy navigation, the latter has beell united to the Vistula, partly by thr river Netze, and partly by a canal joining that river to the Brahe, which fulls into the Vistula near Iromberg. A vast inland navigatiou has thus been completed, barks passing freely through the whole extent of country from 11 mm burg to Dantzic ; affording the means of shipping the products of the interior, nnd of importing those of foreign countries, ither by tho North Sea or the Baltic, as mny be .'ound most adyantageous. (Catteau, Tableau de la Mer Baltique, tome ii. pp. 11-18.)
10. Russia Mussia is of importanec. with respect t 11. Bavari was for a 1 Bavaria was become of gr Dietfurth on of the Danib tance of 23 t It is on a large This nongnific inland naviga and realises the the Black Sea ducted by a jo ance of the 1 mavigation of be considerabl channel of con
impertance wh to obtain.
12. Austrian traversed in its the advantages trade of the em river navigation the jealousy of embouchure of in some places pretty extensive in Hungary. Tl English miles in through the Ban whence ressels p a little above its other Hungarian Francis. It stretc to the 'Theiss, wh 62 English miles highest does not above, the canal munication betwd is said to be the to Trieste; but ho whether this be p made from Munc weiss on the Mo into the Elbe, usefui communica gary, p. 246 ; Balbi 13. Spanish Ca necessary, both fo irrigation, than it soil, and the pover ment as well as o bstacles to the rign of Charles tractors offered navigable from M lagus, and the la lon, provided duty for a certair conveyed by this e took this proposai and after maturel singular decisionthat these two riv Ife would not ha have made them done it, it is $n l_{a}$ hat it should be d would be to violat and to mend the nedly left in His the Spanish Nation
10. Russian Canals,-The inland navigation of Russia is of vast extent, and very considerable importance. The reader will find some details with respect to it under the art. Peteresnuig.
11. Bavarian Cunals.-A grand canal which was for a lengthened period in progress in laavaria was completel in 1846, and promises to become of great public utility. It extends irom Dietfurth on the Altmulin, a navigable affuent of the Danube, to Bamberg on the Mayn, a distance of $23 \frac{1}{2}$ German, or about 112 English miles. It is on a large scale, and has cost above $1,000,000 l$. 'I'his mugniticent undertaking, which carries an inland oavigation through the centre of Europe, und realises the project of Charlemagne for uniting the Black Sea with the German Ocean, is conducted by a joint-stock company, with the assistance of the Bavariau Government. But the navigation of the Mayn and the Danube must be considerably improved before this grand channel of communication can acquire all the importauce which, most probably, it is destined to obtain.
12. Aisstrian Canals.-The Austrian empire is traversed in its whole extent by the Danube ; but the advantages that might result to the foreign trade of the empire from so great a command of river navigation have been muterially abridged by the jealousy of the Turks, who command the embouchure of the river, and by the clifficulties in some places incident to its navigation. Two pretty extensive canals have been constructed in llnugary. That called the Bega Canal is 73 linglish miles in length : it stretches from liascet through the Bannat by Temeswar to Becskerek, whence vessels pasa by the Bega into the Theiss a little above its junction with the Danube. The other Hungarian canal is callell atter the Emperor Francis. It stretches from the Danube by Zambor to the Theiss, which it joins near Foldvar, being 6:2 English miles in length; its elevation where highest does not exceed 27 feet. Besides the above, the canal of Vienna establishes a communication between that city and Neustadt. It is said to be the intention to continue this canal to T'rieste; but however desirable, we doubt much whether this be practicable. A railroad has been made from Munchausen on the Danube to Budweiss on the Moldau, a navigable river that falls into the Elbe, waich promises to be a highly uscfui communication. (lright's Travels in Irungary, p. 246 ; Balbi, Alrigé de la Géographie, p. 216.)
13. Spanish Canals,-Nowhere are canals more necessary, both for the purposes of navigation and irrigntion, than in Spain; but the nature of the soil, and the poverty and ignorance of the Government as well as of the people, oppose formidable bstacles to their construction. During the reign of Charles 1I. a company of Dutch contractors offered to render the Mançanares navigable from Madrid to where it fulls into the Tagros, and the latter from that point to Lisbon, provided they were allowed to levy a duty for a certain number of years on the goods coaveyed by this channel. The Council of Castile took this proposal into their serious consideration, and after maturely weighing it pronounced the singular decision-"'hat if it had pleased God that these two rivers should have been navigable, lle would not havo wanted human uasistance to have made them such; but that, as He has not done it, it is plain IIe did not think it proper 'hat it should be donc. To attempt it, therefore, would be to violate the decrees of His providence, and to mend the imperfections which He designedly left in llis works'! (Clarke's Letters on the Spanish Nation, p. 281.) But such undertakings
are no longer looked upon as sinful; and many have been projected since the accession of the Bourbon dynasty, though few have been perfected. The eanal of the Ebro, begun under the limperor Charles V., is the most importnnt of the Spanish canals ; but it is only partially completeid, and during dry seasons it suflers from want of water. It runs parallel to tho right bank of tha Ebro, from Tudela in Navarre to below Snragossu; the intention being to carry it to Sastago, where it is to unite with the ELro. The canal of Castile is iutendel to lay open the country between the Douro and Reynosa, and to facilitate the conveyance of grain from the interior to Santander and Bilbao. It passes by Vallndolici, l'alencia, and Aguilar del Campos; a small part has been executed, and is now in operation. A company bas also undertaken, what the Duteh contractors formerly offered-to render the Tagus navigable from Aranjuez to Lisbon; the tree navigation of the river having been stipulated at the Congress of Vienar. A project for deepening the Guadalquivir, and some others, are also on foot. (Geographical Dictionary, ii. ${ }^{7} 10$.) It would appear from Mr. Sickville West's Repert to the Foreign Office, of January 1, 1867, that on December $31,186 \overline{5}$, the total amount of canal shares and subventions was $211,040,251$ resls vellon, or $2,110,402 l$., and that the sum estimated ns necessary for their completion was 11816,190 reals vellon, or 118,561l. (Reports of Secretarics of Legation, No. 5 of 1867.)
14. British Canals.-Owing partly to the late rise of cxtensive manufactures and commerce in Great Britain, but more, perhaps, to the insular situation of the ccuntry, no part of which is very distant from the sea or from a navigable river, no attempt was made, in England, to construct canals till a comparitively recent period. The ellorts of those who first began to improve the means of internal navigation were limited to attempts to deepen the beds of rivers, and to render them better fitted for the conveyance of vessels. So early as 1635, Mr. Sandys, of Fhatbury, Worcestershire, formed a project for rendering the Avon navigable from the Severu, near Tewkesbury, through the counties of Warwick, Worcester, and Gloucester, ' that the towns and country might be better supplied with wood, iron, pit-coal, and other cenmodities.' This scheme was approved by the principal nobility and landowners in the adjoining counties; but the civil war having broken out soon after, the project was abandoned, and does not seem to havo been revived. After the Restoration and during the earlier part of last century various Acts were at different times obtained for cheapening and improving river navigation. For the most part, however, these attempts were not very successful. The current of the rivers gradually changed the form of their cliannels; the dykes and other ariticial constrictions were apt to be destroyed by inundations; alluvial sand-banks were formed below the weirs; in summer the chaunels were frequently too dry to admit of being navigated, while at other periods the current was so strong as to render it quite impossible to ascend tho river, which at all times, indeed, was a luborious and expensive undertaking. Tese diflicultics in the way of river Liavgration seem to have suggested the expediency of abnudoning the channels of most rivers, and of sligging parallel to them artiticial chamels, in which the wnter might be kept at the proper level by means of lucks. The Aet passed by the Legislature in 1755 for improving tho navig.tion of Nankey Brook on the Mersey gave rise to a lateral canal of this description, about 114 males in length,
which deserves to be mentioned as the earliest ctfort of the sort in England.
But before this canal had.been completed, the celebrated Duke of Bridgewater, and his equally celebrated engineer, the self-instructed James Brindley, had conceived a plan of inland navigation independent altogether of natural channels, and iutended to afford the greatest facilities to commeree, by earrying eanals across rivers and through mountains, wherever it was practicable to construct them.
The Duke was proprietor of a large estate at Wortley, 7 miles fror: Manchester, in which were some very rich coal-mines, which had hitherto been in great ineasure useless, owing to the cost of carrying coal to market. Being desirous of turaing his mines to some account, it occurred to him that his purpose wonld be best accomplished by cutting a canal from Worsley to Manciester. Mr. Brindley, having been consulted, declared that the seheme was practicable; and an Act having been obtained, the work was immediately commenced. 'The prineiple,' says Mr. Phillips, 'laid down at the commencement of this business reflects as much bonour on the noble undertaker as it does upon his engineer. It was resolved that the canal should be perfeet in its kind; and that, in order to preserve the level of the water, it should be free from the usual obstrnction of locks. But in accomplishing this end many ditlienties were deemed iusurmonntable. It was necessi. $y$ that the canal should be carried ovar rivers, ind many large aad deep valleys, where it was evident that such stupendous mounds of earth must be raised as would scarcely, it was thought by numbers, be completed by the labour of ages; and, above all, it was not known from what source so large a supply of water could be drawn, even on this improved plan, as would supply the navigation. put Mr. Irindiey, with a strength of mind peculiar to himself, and being possessed of the confidence of his great patron, contrived such ndmirable machines, and took such methods to facilitate the progress of the work, that the world soon began to wonder how it could be thought so difficult.
' When the canal was completed as far as Iarton, where the Irwell is navigable for large vessels, Mr. Brindley proposed to carry it over that river by an aqueduct 30 feet above the surface of the water in the river. This, however, being considered as a wild and extravagant project, he desired, in order to justify his conduct towards his noble employer, that the opinion of another engineer might be taken, believing that he could easily convince an intelligent person of the practicability of the design. A gentleman of eminence was accordingly called, who, being conductil to the place where it was intended that the aqueduct should be made, ridiculed the attempt; and, when the height and dimensions were communicated to him, heexclaimed, "I have often heard of castles in the air, but never was shown hefore where any of them were to be erected." This unfnvourable verdict did not deter the Duke from following the opinion of his own engineer. The aqueduct was immediately begun; and it was earried on with such rapidity and sinccess as astonished those who, but a little before, thought it impossible.'
Hefore the canal from Worsley to Manchesterhad been completed, it occurred to the Duke and his engineer that it might be practicable to extend it by a branch, which, running through Chester parallel to the river Mersey, should at length terhisinate in that river below the limits of its artificinl navigation, and thes afford a new, safer, and cheaper means of communication between Man-
chester and its vicinity and Liverpool. The execution of this plan was authorised by an $\Lambda$ et passed in 1761. This canal, which is above 29 miles in length, was tinished in abont 5 years, It was constructed in the best manner, and has proved equally advantageous to its noble jroprictor and the public.
'When the Duke of Bridgewater, says Dr. Aikin. ' undertook this great design, the price of carriage on the river navigation was $12 s$, the ton from Manchester to liverpool, while that of land carriage was $40 s$. the ton. The Duke's charge on his canal was limited by statute to 6 s . ; and together with this vast superiority in cheapness, it had all the speed and regularity of land carriage. The articles conveyed by it were, likewise, much more numerous than those by the river navigation; besides manufactured goods and their raw materials. coals from the Duke's own pits were deposited in yards at various parts of the canal, for the supply of Cheshire; lime, manure, and building materials were carried from place to place; and the markets of Manchester obtained a supply of provisions from districts too remote for the ordinary land conveyances. A branch of useful and protitable carriage, litherto scarcely known in England, was also undertaken, which was that of passengers. Boats, on the moikl of the Dutch treekselinyts, bit more agreeable and capacious, were set up, which, at very reasonable rates and with great convenience, carried numbers of persons daily to and from Manchester along the line of the canal.' (Aikin's Description of the Conntry round Manchester, p. 116.)

The success attending the Duke of Bridgewater's canals stimulated publie-spirited individnals in other districts to undertake similar works. Mr. Brindley had early formel the magniticent scheme of joining the great ports of London, Liverpool, Bristol, and Hull by a system of internal navigation; nnd though he died in 1772, at the carly age of 56 , he lind the satisfaction to see his grand project in a fuir way of being realised. The Trent and Mersey, or as it has been more conimonly termed, the Grand Trank Canal, 96 miles in length, was begun in 1766 and completed in 1777. It stretches from near Runcorn on the Mersey, where it comnunicates with the Duke of Bridgewater's Canal, to Neweastle-under-Line; thenco southwards to near Titehfield; and then north-westerly, till it joins the Trent at Wilden Ferry, at the north-western extrenity of Leicestershire. I water communication between Hull and Liverposl was thus completed; pad by means of the Staffordshire and Worcestershire Cannl, which joins the Grand Trunk near Haywood in the former, and the Severn near Stourport in the latter, the same means of communication was extended to Bristol. During the time that the Grand Trunk Canal was being made, a canal was undertaken from Liverpool to Leeds, 120 miles in length; another from Sirmingham to the Staffordshire and Worcestershire Canal, joining it near Wolverhampton; aud nno from Birmingham to Fazeley and thence to Covantry By canals subsequently undertaken, a communication was formed between the Grand Trunk Canal and Oxford, and consequently with London, completing Brindley's magniticent scheme. In 179: the Grand Junction Canal was begun, which runs in a pretty straight line from Irrentford, on the Thames, a little above the metropolis, to Braunston, is Northamptonshire, whero it unites with the Oxford and other central canals. It is about 90 miles in length. There is also a direct water communication, by means of the river Lea mavigation, the Cambridge Junction Canal de. between Louton and the Wash. In addition to
these, an immense of them of great n! Leen constructed i so that a command obtained, unparall with the exception
In Scotland, the and Clyde was beg in $17 \pi 7$, and was of the American wa 1790. Its total le cuts to Clusgow an miles. Where hig level of the sea. It
of the English cana surface is 56 , and at ally it was about 8 banks have been of water is now ab 39 locks. In comple difficulties had to b ever, were all sueces unprofitable for a w past yielded a bette Swift boats on the described were establ (Cleland's Statistics n The Union Canal Canal near Falkirk, ni burgh, being $31 \frac{1}{2}$ mil wide at the top, 20 at completed in 1822. an extreme! $y$ ill-adyis that its proprictors hav the Edinburgh and G Who employ it in th oiher heavy goods.
A canal intended $t$ between Glasgow, Pai
commenced in $1807 ;$ b commenced in 1807 ; b
necting Glasgow with I Juhnstoun has hitherto is about 12 miles long broal at top, 18 at bot here that the experime on quick trayelling by have demonstrated that pel a properly constru sengers and goods, alons or 10 miles au hour, wit (Sec post.)
The Crinan Canal acr tyre, admitting vessels miles in length, and 12 The Caledonian Cana tiking of the sort atten stretches S.W. and N.E pint near Inveruess to at It is chiefly formed by L Loch Locky. The total clading the lakes, is 6013 part is only about 23 mile feet above the level of $t l$ mostly constructed upon ratented tu be 20 feet dee and 122 at top; the locks and 49 broad; and hat as was originally intende merchant ships of 1,000 passed through it. It w executed entirely at the enec of The designs und enec of 'Thonias Telfor amounted, exclusive of May, 185̈3, to $1,347,7801$. ever, to have been proj
these, an immense number of other canals, some of them of great magnitude and importance, have leen constructed in different parts of the comntry; so that a command of internal navigation has been obtained, nnparalleled in any European country, with the exception of Ilolland.

In Scotland, the great canal to join the Forth and Clyde was begun in 1768 , lut jt was suspended in 1777, and was not resumed till after the close of the American war. It was tinally eompleted in 1790. Its total length, ineluding the collateral cuts to Glasgow and the Monkland Canal, is 383 miles. Where highest it is 150 feet above the level of the sea. It is on a larger seale than any of the English eanals. Its $r$ dium width at the surface is 56 , and at the botion 27 feet. Originally it was abont 8 feet 6 inehes deep; but its banks have been raised, so that the depth of water is now about 10 feet. It has, in all, 39 locks. In completing this canal many serious difficulties had to bo encountered. These, however, were all suecessfully overcome; and though unprotitable for a while, it has for many years past yielded a better return to its proprietors. Swift boats on the plan of those subsequently deseribed were established on this canal in 18.22 . (Cleland's Statistics of Glasgow, p. 170 \&c.)

The Union Canal joins the Forth and Clyde Canal near Falkirk, and stretches thence to Edinlurgh, being $31 \frac{1}{2}$ miles in length. It is 40 feet wide at the top, 20 at bottom, and 5 deep. It was completed in 18.22 . But it appears to have been an extremely ill-advised undertaking; so much so that its proprietors have seld it at a heavy loss to the Edinburgh and Glusgow Railway Company, who employ it in the conveyance of coal and oiher heavy goods.

A canal intended to form a communication between Glasgow, Paisley, and Ardrossan was commeneed in 1807 ; but ouly that portion connecting Glasgow with Paisley and the village of Johnstoun has hitherto been finished. This part is about 12 miles long; the canal being 30 feet broud at top, 18 at bottom, and $4 \frac{1}{2}$ deep. It was here that the experiments were originally made on quick travelling by canals, which are said to have demonstrated that it was practicable to impel a properly constructed boat, carrying passengers and goods, along a es,nai at the rate of 9 or 10 miles an hour, without injury to the baaks! (Sce post.)
The Crinan Canal across the peninsula of Kintyre, admitting vessels of 160 tons burden, is 9 miles in length, and 12 feet in depth.
The Caledonian Canal is the greatest undertaking of the sort attempted in the empire. It stretches S.W. and N.E. across the island from a puiat near Inverness to another near Fort William. It is ehietly formed by Loeh Ness, Loch Oich, and Loch Loehy. The total length of the eanal, including the lakes, is $60 \frac{1}{2}$ miles; but the excavated part is only about 23 miles. At the summit it is $96 \frac{1}{3}$ feet above the level of the Western Oeean. It is mostly construeted upon a very grand seale, being intended tu be 20 feet deep, 50 feet wide at bottom, and 122 at top; the locks are 20 feet deep, 172 long, and 49 broad; and had it been wholly executed as was originally intended, frigates of 32 guns and merehant ships of 1,000 tons burden might have passed through it. It was opened in 18:2, being executed entirely at the expense of Government, from the designs und under the superintendence of Thonas Telforl, Esq. The entire cost amounted, exclusive of interest, on the Jst of Hay, 185.3, to 1,347,780l. It would appear, however, to have been projucted without due consideration, and has been a most unprofitable
speenlation. The revenue of the canal amounted in $1852-5.3$ to only $5,889 l$., whereas the expeuliture during the same year, exc. any allowanee for wear and tenr, nnd inc. only 900 . for repairs, amounted to $7,429 l .!$ But this is not all. Owing to a wish to lessen the expense and to hasten the opening of the camal, parts of it were not exeavated to their proper depth, while others were exeented in a hurried and insufficient manner. Hence tho eanal does not really admit yessels of above $20^{2} 0$ or 300 tons burden, and previously to steam tugs being provided on the lakes, they were frequenty delayed in making their passage across for a lengthened period. 1)aring $18: 37$ and 1838 the works sustained considerable damage; and the reader needs not be surprised to hear that it was gravely debated whether it would not be better entirely to break up and abandon the camal!

There was naturally, however, an extreme disinclination to destroy a work which, low inexpedient soever originalty, has been executed at an enormous expense; and various schemes liave been suggested for relieving the publie from the expense of keeping it up withont involving its destrnetion. Among others it has been proposed to assign it to a joint-stock company. on their agrecing to eomplete the works and keep them in repair: and an Act authorising suel transter was passed in 1840. But hitherto it has not been found possible to dispose of the enmal in this way, and Parliament has since voted largo sums for the partial repair of the works, which, thotugh is good deal improved, will every now and then require fresls outhys.

Some other canals have been projected and rompleted in different parts of Scotland. Of these the Monkland Cnmal, for the supply of Glasgow with conl, has been the most successful.
15. Irish Canals.-Varions canals have been undertaken in Ireland, of which the Grand Camal and the Royal Canal are the prineipal. The (Irand Canal was begun in 1765 , by a body of subscribers; but they could not have eompleted the work without very large advances from Goventment. The canal commenees at Dublin, and stretches in a westerly direction, inelining a little to the sonth, to the Shannon, with which it unites near Banagher, a distance of 85 statute miles, and thence on the west side of the river to Ballinasloe, 14 miles. But exelusive of the main trunk, there is a branch to Athy, where it joins the Barrow, a distance of about 27 miles; and there are branches to Portarlington, Mount Melliek, and some other places. The total length of the eamal, with its various branches, is abont 16.4 Eng. miles. Its summit elevation is 200 feet above the level of the sea at Dublin. It is 40 feet wide at the surface, from 24 to 20 feet at bottom, has 6 feet water, and cost, in all, above $2,000,000$.
Two eapital errors seem to have been committed in the formation of this camal-it was framed on too large a scale, and was carried too far north. Had it been 4 or $4 \frac{1}{3}$ instead of 6 feet deep, its utility would have been but little impaired, while its expense would have been very materially diminished. But the great error was in its direction. Instead of joining the Sbannon abont 15 miles above Lough Derg, it shonld have joined it below Limerick. By this means barges and other vessels passing from Dublin to Limerick, and conversely, would have avoided the diffienlt and dangerous navigation of the Upper Shannon; and the canal wonld havo passed through a comparatively fertile country ; and it would not have been neeessary to carry it across the bog of Allen, in which, says Mr. Wakefield, 'the company have buried more money than would have cut a spacious
cannl from Dublin to Timeriek.' (Account of Irelami, vol, i. p. 612.)

The Royni Cannl was undertaken in 1789. It stretches westward from Dublin to the Shnnnon, which it joins near Tormanbury. Its entire length is about 92 miles, exclusive of $a$ branch of 5 miles from Kilashee to Longford: its highest elevation is $3: 2$ firt above the level of the sea. Al. bottom it is 24 feet wide. having 6 feet depth of water. It ind cost, exclusive of interest on stock, loans \&e. advaned by Got crnment, in Feloruary 1823, $1,421.95 \%$.

This cannl seems to have been planned in the most injudicious manner. It has the same defect as the Gramd Canal, of being extravagnatly large; ant throughout its whole course it is nearly parellel to, and not very distant from, the latter. There are consequently two immense canaid where there ought, perhaps, to be none. At all cvents, it is nbundantly certain that one canal of comparatively moderate dimensions would have been quite enouglz for all the business of the district, even if it were much greater than it is at this moment, or than it is ever likely to become.

It nppears from Thom's Almanac for 1868, that in 1866 the groee revenue of the Royal Canal was $10,504 l$, while the net revenue of the Grand Canal for the first half of 1866 was $7,535 \%$; and deducting from these sums the expense atiending the working of the canals, and allowing for their crdinary wear and tear, it is extremely doubtful whether these grent public works, which have cost between $5,000,0001$. and $6,000,000$., produce a sixpence of clenr revenue.

Besides the above, there are some other eanals, as well as various river excavations, in Ireland, the ehiff of which is the Ulster, 48 miles long; but hardly one of them yields a reasonable return for the capital expended upon it. They have almost all been liberally assisted by grants of public money; and their history, and that of the two great canals now adverted to, strikingly corroborates the caustic remark of Arthur Young, thnt 'a history of public works in Ireland would be a history of jobs.' ('Tonr in Ireland, part ii. p. 66, 4to. ed.) Those who wish to make themselves fully acquainted with the history and state of the canals of Ireland may consult the Report by Messrs. Henry Mullins and M'Mahon, in the Appendix to the Report of the Select Committee of 1830 on the State of Ireland, and the valuable Report on Railuays.
16. Amcrican Canals.-The United States are pre-eminently distinguished by the spirit with which they liave undertaken, and the persererance they have displayed in executing, the most mignificent plans for improving and extending internal navigation. Besitles many others of great, though inferior, magnitude, a canal has been formed connecting the Hudson with Lake Erie. This immense work is 363 miles in length, the rise and fall along the entire line being 692 feet. It wns originally 40 fect wide at the surface, 28 feet at bottom, and 4 feet deep. But these dimensions being foond, from the rapidly increasing traffic and importance of the canal, to be far too limited, an Aet was passed in 1835, providing for its enlargement. Under this Aet the canal has been increased, so as to be 70 feet wide on the surface, 42 feet at the bottom, and 7 fect in clepth, the locks being of corresponding dimensions. The original cost of the canal was $9,0 \div 7,456$ dols. ; and the cost of the enlargement has been nbout $25,000,000$ lols., or nearly three times its first cost. The Erie Canal is the property of the state of New York, and is one of the grentest and most important works of its kind in the world.

Notwithstanding the contracted scalo on which it was originally constructed, it liss completely veritled the predictions of its projector, De Witt Clinton, having been at once extremely profitable as a mercautile speculation, and of singular alvantage in a public point of view to the State of New York and the Union generally.
The Chesapeake and Ohi, Canal s.ouhl, hal it been completed, have been a greai and useful work. It berims at the tide water of the Potomac River above Georgetown in the itistriet of Columbin, and is intended to terminate at Pittsburg, in Pennsylvanin, a distance of 341 h miles. Its dimensions are nearly identical with those of the new Eric Canal; its breadth at the surface being from 60 to 80 leet, ditto at bottom 50 feet, with a depth of water varying from 6 to 7 feet. Several turnels oecur in the line which crosses the Alleghany ridge. The cost of this work was estimated at $22,275,000$ dols., which were to be sulseribed partly by individuals, and partly by the United States and the States of Marylnnd and Pennsylvania. Owing, however, to the innbility, or rather disinclination, of the two last-mentioned states to make good their engagements, the works on the eanal have been suspended, after atout 10 millions of dollars have been expended upon them. But the probability is that they will be resumed and completed nt some future period; their completion being the only means by which the eapital already expended upon them can be made to yield any thing.
A great many other eanals have been completed nul are in progress in different parts of the Union. Of the former, the Ohio Canal, uniting the Ohio with Lake Erie, is by far the most important, and is, if at all, only less advantageous than the lirie Canal. Cleveland, where the canal unites with Lake Eric. lins become one of the greatest emporiums on the Lakes.
17. Canadian Canals.-The British (iovernment has expended a very large sum upon the Rideat River and Canal, stretching from Kingston, on Lake Ontnrio, to Bytown, on the Ottawa, or Grimel River, an affluent of the St. Lawrence. 13ut this work was undertaken as much in the view of improving the military defences of Canada as of protecting its commeree, though in the latter re.jeet it has been of considerable utility. The British Government has also constructed the Welland Canal, uniting Lakes Frie nnd Ontario, the navigation between which by the river is interrugted by the Falls of 1 iagara. This canal has become a well-frequented commercial channel, and is every day rising in importance.
18. Vtility of Canals.-The utility of eanals, when judiciously contrived, and opening an casy communication between places enpnble of maintrining an extensive intercourse with each other, has never been better set forth than in a work published in 1765, entitled ' $A$ V:ew of the Adrantages of Inland Navigation,' \&c. But the followmg extract from Macpherson's Annals of Commerce (anno 1760) contains a bricf, and at the same time eloquent, summary of the principal advantages resulting from their construction :- They give fresh life to established manufnetures, and they eneonrage the establishment of new ones by the ease of transporting the materials of manufncture and provisions; and thence we see new villages start up upon the borders of canals in places formerly condemned to sterility and solitude. They invigorate, and in many places create, internal trale. which, for its extent and value, is an object of still more importanee than foreign commerce, and is exempted from the many hardships and dangers of a maritime life and changes of climate. And
they greatly pro quently enrich tl they, or the nav with, terminate, 1 prodince from, and chandise into, th which are thus pl maritime parts: parts become eonst
of shipping. Th of shipping. Th of Providence are the monopolist is iniquity and opp provisions are tran tance. The adve proviles a grent pt the whole of the s on manufactures $n$ great. Mature, m nrticles, which cot expense of cartage duce, can be carri canals; whereby p ren lands are brong emolument of the $f$ general advantage mented supply of $t$ rials of mninufactu which to a manufac actually concerned duly appreciating) minernls in general, of grent bulk in pr had hitherto lain reason of the expen sibility, of carriage, dered $n$ fund of weal which thas gives bit turn, it is mantaine
19. Increased Spe Great ns have be from the formation been to a consider formation of Railet that cannls will alwa ance of coal and oth and even passengers with a rnpidity tha supposed impossible. duced on the Paisle llouston, in June 18 in the following sta cessary to eall the $r d$ Mr. Thomas Gru Letter to Canal Pr
'The experiments of and proved on the $n$ curved comal in Sco Paisley Canal, eoni with the town of Pa -a distance of 12 mi eicery previous theo of attaining great od danger or damage to in moving vessels al 'The ordinary spe sengers on the Ardr years, heen from ni although there are $f \dot{f}$ per day, at this rapid
no injury. The boa no injury. The boa
5 feet 6 inches bro narrowness of the c They carry easily fr when required, can 110 passengers. il
they grently promote foreign trade, and consequently enrich the merchants of the ports where they, or the navigable rivers they are connected with, terminate, by facilitating the exportation of prolnce from, and the introduction of foreign merchandise into, the interior parts of the country, which are thus placed nearly on a level with ibe maritime parts; or, in other worls, the interior parts become coasts, nati enjoy the accommodations of shipping. The price of provisions is uearly equalised through the whole country ; the blessings of Providence are more uniformly distributed; and the monopolist is disappointed in his schemes of iniquity and oppression by the ease wherewith provisions are transported from a eonsiderable distance. The advantages to agriculture, which proviles a grent part of the materials, and ulmost the whole of the subsistence, required in carrying on manufactures and commerce, are pre-eminently great. Manure, marl, lime, and all other bulky articles, which could not possibly bear the grent expense of cartage, and also corn and other produce, can be carried at a very light expense on canals; whereby poor lands are enriched, and barren lands are brought into enltivation, to the great emolument of the farmer and landholiter, and the general advantage of the community, in an augmented supply of the necessaries of life and materials of manufactures; cools (the importance of which to a manufneturing country few people not actually concerned in manufuctures are enpable of duly appreciating), stonc, lime, iron ore, and minerals in general, as well as many other articles of grent bulk in proportion to their valne, which had hitherto lain useless to their pruprietors by reason of the expense, and, in many cases, impossibility, of carriage, are called into life, and rendered a fund of wealth, by the vicinity of a canal ; which thus gives birth to a trade, whereby, in return, it is maintained.'
19. Increased Speed of Travelling by Canals.Great as have been the advantages derived from the formation of canals, their progress has been to a considerable degree checked by the formation of Ranhaoads. We believe, however that canals will always be preferred for the conveyance of coal and other bulky and heavy products; and even passengers could be conveyed along them with a rapidity that wonld previously have been supposed impossible. This new system was introduced on the Paisley and Glasgow Canal, by Mr. Houston, in June 1831. The resnlts are described in the following statements, to which it is unnecessary to enll the reader's attention :-
Mr. Thomas Grahame, civil engineer, in his Letter to Canal Proprietors and T'raders, says, 'The experiments of great velocity have been tried and proved on the nurrowest, shailowest, and most curved canal in Scotlanel, viz. the Ardrossan or Paisley Canal, connecting the eity of Glasgow with the town of Paisley and village of Johnstoun -a distance of 12 miles.' The result has disproved every previous theory as to difficulty and expense of attaining grent velocity on canals, and ns to the danger or damage to their banks by great veloeity in moving vessels along them.
'The ordinary speed for the conveyance of passengers on the Arlrossan Canal has, for nearly 2 years, been from nine to ten miles an hour; and, although there are fourtecn journeys ulong the canal per day, at this rapid speed, its banks have sustained no injury. The boats are 70 lect in length, about 5 feet $;$ inches brond, and, but for the extreme narrowness of the canal, might be made broader. They carry easily from 70 to 80 passengers; and, when required, can and have carried upwards of 110 passengers. The entire cost of a boat and tit-
tings up is about 125l. The hulls are formed of light iron plates and ribs, and the covering is of wood and light oiled eloth. They are more niry, light, and comfortable than any coach. They permit the passengers to move about from the onter to the inner cabin, and the farcs per mile are one penny in the first, and three farthings in tho scoond cabin. The pnssengers are all carried under cover; having the privilege also of an uncovered space. These boats are drawn by 2 norses (the prices of which may be from 50l. to (ivl. per pair), in stages of 4 miles in length, which - a done in from 22 to 25 minutes, including stoppayes to det out ant take in passengers, each set of horses doing 3 or 4 stages alternately ench day. In fact, the boats are drawn through this narrow and shallow canal at a velocity which many celebrated engineers had demonstrated, and whieh the public believed,' to be impossible.
'The entire amount of the whole expenses of attendants and horses, and of running one of these boats 4 trips of 12 miles each (the length of the canal) or 48 miles daily, including interest on the capital, and 20 per cent. laid aside annually for replacement of the boats, or loss on the capital therein vested, and a considerable sum laid aside for aecidents and replacement of the horses, is 700l. some odd shillings; or, taking the number of working days to be 312 annually, something under $2 / .2$ s. $4 d$, per day, or about $11 d$. per mile. The actual enst of earrying from 80 to 100 persons a distance of 30 miles (the length of the Liveroool Railway), at a velocity of nenrly 10 miles an hour on the Paisley Canal, one of the most eurved, nar row, and shallow in Britain, is therefore just 12.7 s . $6 d$. sterling. Such are the facts, and, incredible ns they may appear, they are facts which 110 one who enquires can possibly cloubt.'

Boats on this principle were for a time established on a great nany British canals, and on the Grand and Royal Canals in Ireland.
20. Profits of Canals.-It is a well-known fact, that canals, at an nverage, and allowing for the length of time that must clapse from the first out lay of capital before they yield any return, are not very productive. When, indeed, they connect places that have an extensive intercourse, and when no very extraorlinary difficulties have to be surmounted in their construction, they most commonly yie'd very large profits; but, generally speaking, this does uot appear to he the case; and, on the whole, they seem to have been more beneficial to the public than to their projectors.
It is customary to insert clauses in the Acts authorising canals to be cut, limiting the charge which the proprietors shall be entitled to impose upon the goods anveyed by them. Ilut we think tiat the dividend ought also to be limited; and that it should be stipulated that whatever a moderate toll yielded over and above defrayints this dividend, and providing for the repair of the canal, should be accumulated as a fund in order to buy up the stock of the canal, so that the toll may ultimately be rednced to such a sum as may sutfice merely to meet the necessary repairs. We are not aware that any good objection could be made to a plan of this sort; and had it been adopted in this country, there are several intstances in which it would have been very advantageous for the public. When the canal of Ianguedoc was completed, the most likely method, it was found, of keeping it in constant repuir was to make a present of the tolls to Riquet the engineer. 'These tolls constitute,' says Dr. Smith, 'a very large estate to the different branclies of the family of that gent'sman, who have, therefore, a greit interest to keep the work in constant repuir. Hut

## CANNON, CANNONS

had these tolls been put under the management of commissioners, who hal no such interest, they might, perhaps, have been dissipated in ormmental and unnecessary expenses, while the most essential parts of the work were allowed to go to ruin.' I)r. Smith onght, however, to have mentioned that liquet advanced a fourth part of the entire sum lind out upon the canal (Dutens, Niarigution Intirieare de ha France, tom, i. p. I19 \&c.); and that officers were nppointed by the Crown to see that the tolls were not rendered oppressive, and the canal kept in good order. At the Revolution most part of the property of the canal was contiscated; but at the restorntion of the Bourbens in 1814 such parts of the contiscated property ns had
not been sold were restored to the suceessors of M. Kiquet, who have nt this moment the prineipal minngement of the canal.

CANARY SEED. [SEED.]
CANDLE (Ger. lichter, kerzen; Dntch, kaarzen; Fr. chandelle; Itnl. candelle; Span. and lort. velas; Russ. swjetschi; Lant. camida). $\Lambda$ toper of tallow, wax, or spermaceti, the wick of which is commonly of several threads of cotton spun and twisted together.

Dr. Ure gives the following table, ns containing the result of certnin experiments he had mate in order to determine the. relntive intensity of the light, and the duration of different sorts of tallow candles:-

'A Scotch mutchkin', says Ir. Ure, 'or $\frac{1}{\text { o }}$ of a illnminating power to 3 lbs, of tallow candles, grallon of good seal oil, weighis $6,010 \mathrm{gr}$., or $13 \frac{1}{211} \mathrm{oz}$. avoirdupois, and lasts in a lright Arrand lamp 11 hours 44 minutes. The weirlit of oil it consumes per hour is equal to 4 times the weight of tallow in candles 8 to the pounl, and $;$ times the weight of tallow in candles 6 to the pound. But its hirht being equal to that of 5 of the latter candles, it appears from the above table that 2 lis. weight o! oil, value $9 d$. in un Argand, are equivalent in

| Vear | Tallow | Rate of Duty per Its. | Wax | llate of Duty per th. | Spermaceti | llate of Duty per 1b. | Nelt Hevenue |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1820 |  | ${ }^{\text {d }}$ | 693.tios | ${ }_{3}{ }^{3}$ | H64.0.3 | ${ }_{3}^{4}$ | \%73,45.5 1.1 |
| 3xil | $93, \times 15,316$ | - | 697,19\% | $\underline{-}$ | 16.9,617 | - | 305,911 8 |
| 1592 | 94,311, 61 | - | $6 \times 2.211$ | - | 1:9,204 | = | 415,6in9 15 |
| 1843 | 102, 616.889 | - | 690,194 | - | 190,411 | - | 43,3,5.3: 15 |
| 1521 | 109, 510,910 | - | 750,7.51 | - | 179,151 | 二 | 466,012 16 |
| 185\% | $110,102,613$ |  | 851,3010 $705,61.5$ |  | 208,377 201.900 | 二 | $48.5,1 / 14$ 467,1060 |
| $1 \times 27$ | 114,979\%\%\% | - | 71,3,6\% | - | 226.277 | - | 4*7,318 5 |
| 1s:4 | 117,312,1;7 | - | 748,293 | - | 200,26:3 |  |  |
| 158: | 115,1:6,+504 | - | 716,052 | - | 303,655 | - | $4 \times 9,059$ |

In 1866 our export of British stearine candles amounted to $\mathrm{t}, 145,136 \mathrm{lbs}$. valued nt $2 \cdot 2 \cdot 2,467 \mathrm{l}$, and in 1867 to $4,831,427 \mathrm{lbs}$. valued nt 182,7921 . ; and of foreign candles, in 1866, 4,446,624 lbs, valued at 136,1457. More than halt of these exports was consigned to Australia, and nearly the whole of the remainder to other British colonies.

Candie, Sale or Auction ny Incir of, is where bystanders are allowed to bid for merehimdise while a small piece of candle is burning, and the commodity is adjudged to the last bidder whenever the candle is burnt ont.

CANELLA ALBA (Fr. canclle blanche; Ger. weisser Zimmet; Ital, canclla bianca; Span. canella blanca; Lat. canella alba). The inner bark of the Canella allo, a tree growing in the West Indies. It is brought to this country packed in casks and cases, in long pieces, some rolled in quills and others flat; the quilled sort is considerably thicker than cinnamon, and the flat nearly $f$ inch in thickness. The quilled pieces are yellow on both sides; the flat pieces are yellow on the outside and pale brown within. They have an aromatic, clove-like odour, and an acrid, peppery taste. The virtues of canella reside in a volatile oil which may be extracted by distillation. (British Pharmacopæia.)

CANES. [Bamboo; Rattans.]
CANNA STARCII. A kind of stareh, known by the French under the name of tous les mois, is found in commerce. It is uncertain from which
jlnminating power to 3 los, of tallow c:andles,
which cost nbout 2 s . The larger the flame in the above candles, the greater the economy of light.'

See, for nmple information on the kinds and manufacture of candles, Hunt's Ure's Dictionary.

Until 18:11, when it was repenled, candles were. for a lengthened neriod, subject to nn excise duty ; and their consunuption was, in consequence, pretty exnetly asecrtained.
species of Canna (Nat. Order Marantacea) it is derived, but it is knewn that 3 tubers of the Cunna Achiras are used as food in Peru and Chile, and that similar economical uses belong to the tubers of the Canna edulis of the West Indies, in which islands it is regularly cultivnted. Cannn starch is said to be superior to even the best arrow-root. The granules aro whiter than those of ordinary fecula, are said to be larger, and to present a different appearance under the microscope.

CANNON, CANNONS (Dutch, knnonen; Fr, canons; Ger. kanonen ; Ital. camnoni ; Pol. dziada; Port. canhoes; Russ. puschiki; Span. canones; Swed. kanon). A kind of long hollow engines for throwing iron, lead, or stone balls by the force of gunpowder. They are cominonly made of iron, but frequently also of a mixture of copper, tin, and brass. They are either cast hollow, or solid and then bored; those made in the latter way being very superior. Brass cannons, or cannons made of mixed metal, are said not to be so well calculated for hard service, or quiek and continued firing, as those mnde of iron. The proportions of the ingredients used in moking the former do not differ materially in different countries, though they rarely coincide. To 240 lbs of metal fit for casting, we commonly put 68 lbs . of copper, 52 lbs. of brass, and 12 los, of tin. To 4,200 lbs . of metal fit for casting, tho Germans put $3,687 \frac{3}{42} \mathrm{lbs}$, of copper, $204_{+1}^{11}$ lbs. cf brass, and $307 \frac{30}{4} \frac{1}{1}$ lbs. of tin. Others,
again, use 100 lbs, nnd 9 lbs. of tin; a 10 lhs. of brass, and It seems to be the wero tirst made use o Antonio de Caprnan ments which render sort of artillery was so early as 1:3i2.
Canamis were certal
1347 at the siege of $\mathbf{C}$ at Chiogeria in 1366, (ienoese in 1379 and 1 them at the sioges of 1453. When tirst ints most part very heavy halls of min enormons owing to their frequent perons to those asing $t$ There is n valuable arti history of cannons in was published before th work. In 1866 we ex non and mortars of Br at 97,394l. (Brande Science, s. V . 'Gins;' 1 CANTHALLDES or tharides, mouches d'I
flieren; Ital, cans fliegen; Ital, cantarell bischpanskic muchi ; S coleopterous insects pe
properties, and owe the poperties, and owe the
cafled canthariclin by ch to reside in certnin $D$ body.
The Cuntharis vesicat greater part of that found from eight to ten lines jn breadth. It is of a brig green colour. When aliv odour. They are found the white poplar, ash, They are abundant in $\mathrm{H}_{1}$ sonthern France, and alsd are usually collected in $\mathbf{y}$ when they are torpid. protected by masks, and enet or shake the trees, inea cloths spread umile planged into diluted vin rapoar of vinegar, and pached in casks, carefully mosphere. The best can wothern provinces of $\mathrm{Ri}_{1}$ oppery colour than thos ountries. In 1866 we antharides, valued at 2,4 IfSpanish flies are expos ind lase their powers. $\mathbf{T}$ mites. Powdered flies rith euphorbjum.
The Cantharis vittata, several kiuds of Mele po os large or larger qui if. The plysicians of th corered that several iodig mae medical properties British Pharmacopaia; Vutes Dispensatory.) CANTON. Once the China, is the capital of : provinces of China $P$ Shlong. $113^{\circ} 14^{\prime} 30^{\prime \prime} \mathrm{E}$., thal stream, the Chu-Kio ing one of the channels by itwo great interior strea
Mirers, reach the sea.

## CANTHARIDFS

ngain, use 100 lbs , of copper, 6 lbs , of brass, and 9 lbs. of tin; and others, 100 lbs . of copper, 10 llss of brass, and 15 lbs . of tin.
It seems to be the general opinion that cannon were tlrst made use of in 1836 or 1338 ; but $D_{\text {on }}$ Antonio de Capmany lins proluced somo statements which render it almost certain that some sort of artillery was used by the Moors in Spain so early as 13i2. (Questiones Criticas, p. 181 \&c.) Cannons were certainly used by the English in 1347 at the siege of Calais, and by the Venetians at Chiogria in 1366, and in their wars with the Geneese in 1370 and 1380 . The Turks employed them at the siegres of Constantinople, in 1394 and 14i33. When tirst introdnced, they were for the most part very heavy and unwielly, and threw balls of min enormous size: they were, however, owing to their freguently bursting, about as danperous to those insing them as to their opponents. there is a valuable article on the construction and history of cannons in Rees's Cyclopadia; but it was published before the appearance of Capmany's work. In 1866 we exported $17,166 \mathrm{cwt}$. of cannoa and mortars of British manufacture, valued at 97,39.11. (Brande and Cox, Dictionary of Seience, s. v. 'Guns;' ' Rilled Cannons.')
CANTHARIDES or SPANISI FLY (Fr. cantharides, mouches t'Espagne; Ger. spanische fieren ; Ital, cantarelle; Lat. cantharis; Russ. hischpanskic muchi; Span. cantaridas). Many coleopterons insects possess peculiar medicinal properties, and owe them to a peculinr principle called cantharidin by chemists, and which is said to reside in certain parts only of the insect's body.
The Cantharis vesicatoria, which supplies the geater part of that found in commerce, is an inseot from eight to ten lines in length, by two or three in breadth. It is of a bright and shining metallic green colour. When alive, this animal has a fetid odour. They aro found feeding on the leaves of the white poplar, ash, privet, elder, and lilac. They are abundant in IIungary, Spain, Italy, and southern Franec, and also in Western Asia. They are usually collected in May and Junc, at sunrise, when they are torpid. Persons having their faces protected by masks, and their hands by gloves, beat or shake the trees, and catch tho insects in linen clotbs spread moleruenth. They are then plunged into diluted vinegar, or exposed to the rapour of vinergar, and subsequently dried and acked in casks, carcfinlly protected from the atmosphere. The best cantharides come from the sothern provinces of lussia, and are of a more appery colour than those of the Mediterranean ountries. In 1866 we imported 21,361 Ibs, of antharides, valued at $2,465 \%$.
liSpanish flies are exposed to damp, they putrefy, and lose their powers. They are also attacked by mites. Powdered flies are occasionally mixed nith euphorbiam.
The Cuntharis vittata, Mylabris cichorii, and several kinds of Mele possess the active principle in as large or larger quantity than the common dr. The plysicians of the United States have diswreed that several indigenous insects possess the me medical properties with the Spanish fly. British Pharmacopaia; Wood and Bache's United Slates Dispensatory.)
CANTON. Once the chief commercial mart of Mina, is the capital of Kwang-tung, one of the 8 provinces of China Proper, in $\sqrt{2 t}$ at. $23^{\circ} 7^{\prime} 10^{\prime \prime}$ T, Long, $113^{\circ} 14^{\prime} 30^{\prime \prime}$ E., on a broad and navigable Jalal stream, the Chn-Kiang, or Pearl River, formag one of the channels by which the united waters ditwo great interior strenms, the North and West lisers, reach the sea. Canton is situated in the

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most sontherly of the provinces on the sea-bord of China. 'lhis province is traversed from west to east, from nortlr to sonth, and from cast to wesc, by three magnificent sareams, of which the two latter are navigable by henvily-laden boats for distances of from 200 to 300 miles, whilst the former is derivel from the remotest interior, heing accessible for fully 700 miles along its own channel, and navigable also by large stemners for nearly 300 miles from the sen. The North and West livers join about 30 miles to the westward and northward of Canton, whenee, in a noble channel of more than a mile broad, known as the Lower West River, or the Broadway, they pursue a direct southerly course to the sea. A portion of the united West and North Rivers is, however, diverted at the junction throngh a nurrow chamel in an easterly dircetion, and, alter passing the important trading and manulacturing town of Fat-shnn (Fu-shan), expands at Canton into tho broad tidal river, branch!ng into two clannels (eventually subdivided into an intricnte network nround numberless tlat, alluvial islands), which has the name of Chu-Kiang. 12 miles larther down the river is the safe and commodions anchorage of Whampon, and 10 miles lower the East River joins, dischars ing itself by several mouths channelled through an alluvinl plain. The bold sliore a few miles lower down, and some rocky islets, compress the stream into a considerably narrower channel, called by the Chinese Flu Mun, or Tirer's Mouth, and by the Portuguese Boca Tigris, and hence 'The Bugue.' This was a fortified position from a very carly period: but atter having been thrice taken and dismantled at different times within the last thirty years by british squadrons, the once famous batteries of the Bogne are now (1868) only masses of battered masonry. On leaving the Bogue the river expands to a.breadth of several miles, joining ly numerous tortuous channels the waters of the Lower West liver, until it is Anally lost in the sea about 80 miles from Canton. I'he brendth of the estuary is fully 70 gengraphical miles. At the extreme eastern limit lies the island forming the British colony of Hoag Kong, 40 miles to the westward of which, and close to the Brondway Channel, is the Portuguese settlement of Masio.

The facilities offered to commerce by so extensive a river-system and its accessibility from the sea made Canton at a very early date the principnl seaport of the empire. This distinction it retained despite the drawback it suffers by its distance from the rich producing districts of Central China. The Northern harbours having silted up ns; carly as the fifteenth and sixteentl centuries, the export and import trade centred at Canton, and as early as the eighth century trade with the ports of the Red Sea and the Indian Ocean was carried on here by Arabian vessels. Of European nations, the Portuguese were the first to reach China. In 1517 Fernao Peres de Andrade visited Canton, and Spanish, Dutch, and English adventurers soon followed. In 1637 the lirst British vessels reached this port after an encounter with the Bogue forts. Subsequently the prospect of a lucrative trade in silks, drugs, and tea led the East India Compnny to s:rive persistently to establish themselves here indenendently of the Portuguese, who again sought, at their settlement of Macao, to monopolize all communication with China. By the end of the reign of Charles II. the Company had planted several agencies at different ports along the coast, and abont 1685 its factory was established at Canton. The first duty upon tea imported into Eagland ( 5 s. per lb.) was imposed about 1689. For exactly a century and a half, down to 1834, the trade between the United Kingdom and China
was monopolised by the East India Company ; but in that yenr this monopoly was happily abolished, and the trade with China thrown open to all classes under the conditions specitied in the Act $3 \& 4$ Wim. IV. c. 93.

The only real dillieulty in trading with China originated in the despotism, pride, and jenlousy of the Govemment, and in the general corruption of its othicers. The former affected to treat all foreigners with contempt, and exposed them to frequent insult; while the latter endeavoured to multiply and enforce vexatious regulations and deinands, that they mislit profit by the donceurs given for their cuasion. We submitted, with exemplary forbearance, for a lengthened period, to every petty indignity the Chinese tiovermment chose to infiet; but the proceedings connected with the seizure and destruction, in 1839, of the opium belonging to British subjects-[Opiust] led to hostilities bet ween this country and Chinn; mud these, as every one knows, have been producthe of events which must powerfully intluence the future intercourse of linglishmen, and of foreiguers generally, with the Chinese.

Our military and navnl operations resulted in the signature of a treaty nt Nanking, on August 29, 189: , by which four additional ports (Shanghai, Ningpo, Fu-chow, and Amoy) were thrown open to fireign trade, the rights of residence in and access to all these cities as well as the surrounding country were conceded, a fixed tariff was proclaimed, the Colong or Chinese mercantile monopoly abolished at Canton, and the Island of IIong Kong ceded to the British.

From this period our commercinl relntions with Chinn vastly increased, but the preeminence of Canton gradually declined. Several years elapsed, indeed, before the new ports drew to themselves any considerable share of trude.
Tea has always been by fur the principal article of import from China; and it is mainly owing to the difiusion of the taste for it, and its consumption by all ranks and orders of the people, that the trade with China has attnined its present importance; and, as already seen, we believe we must look principally to the increasel consumption of teathat will, no doubt, follow the effectual reduction that has been made in the exorbitant duties with which it was formerly loaded, for the future inerease of the trade. The other articles of import are raw silk and silk manufactures, cassia lignen, and a few more; but they are of very inferior value and importance as compared with tea.

The great articles of export from this country to Chinn consist of cotton stuffs and yarn, woollen goods, linen \&c., earthenware, iron, nud steel \&c. Bullion used to be largely exported to Chima, but for some years past that has not been the case. [Puechois Metals.]

Previously to the abolition of the monopoly, in 1834, the real value of the merchundise numually exported from the United Kingdom to China did not exceed 600,000 . . Wherens it hal inereased in 1836 to $1,326,3881$. The interruption of the regular trade by the disturbances and hostilities that nfterwards ensued prevents any conclusions in regard to its real amount being deduced from the returns fo: 1839 , 1840 , and 18.41 .

War of 1806 .-'The Treaty of 18.12 did not prove to be so lasting as many supposed it would be. It was, in truth, in many respects rague and indefinite, and disputes, of onc sort and another, could has !ly fail to arise out of its provisions. But that which ied to, or was a pretext for, the war of 1856 was about as worthless as could well be imagined. On the 8th of October of that year a splecies of vessel called a lorcha, registered at
liong Kong, and said (though that has been stoutly (lenied) to have had the Britlsh flag tlying, was boanded near Canton by a party of Cliniese, who seized a portion of lier crew (natives) and hanled down the alleged Ifitish flag. The consul and the governor of Hong Kong took, or pretended to take, fire at this real or ininginary lnsult to the majesty of the British nntion; and the Chinese fovernor having refused to humour their prejulices by making an upology, they proceeded forthwith to bombard Canton, and to destroy the war junks in the river. When the intelifigence of these violent proceedings arrived in Eingland, they gave rise to much diversity of opinion. They were dixapproved of by the Ilonse of Commons; but on its. belug dissolved, and an appeal made to the country, the bellieose propensities of the inter were linly: developed, and a IIouse was returned plediged to inflict signal vengeance on the Chinese for their insult to our liag and dignity! An expedition was in consequence fitted out to accomplisls this and other ohjects. LIappily it was accompanied by an able diplomatist, the Earl of Elgin, who was authorised to negotiate $n$ treaty with the Chinese. It would be useless, and it would also be foreign to the oljeet of this work, to enter into any details in regard to the proceedings of Lord lilgin's expedition. It is cuough to say that they were completely successful ; and a portion of the Inglish forces accompanied by a small French squadron, laving proceeded up the Peiho to Tien-tsin, within 80 mites of Peking, a treaty of peace way agreed to on June 26, 1858, between the l3ritish (by whom it was in fact dietated) and Imperial commissioners; and similar treaties were subsequently ugreed to with the plenipotentiaries of France, Russia, and the United States.
The allied occupation of Canton was prolonged through the attempt of the Chinese Govermment in 1359 to resist the alvance of the British and French Ministers towards Peking, or the ratification of the treaties conchuled by Lord Elgin and Baron Gros in the previous year. This resistance led to the successful campaign of 1860, which brought the British army under Sir IIope Grant to the gates of Peking. Hero the treaty of 1858 was fully ratitied, and an additional convention wrung from the Chinese commissioners.

The following is a synonsis of the treaty of Tien-tsin :-

Summary of the Treaty betucen her Majesty and the Emperor of' China, signed at Tien-isin, Jund 26, $18 \overline{5} 8$.
Art. 1. Confirms the treaty of Nankin of 1812 and abrogates the supplementary treaty and general regulations of trade.
2. Provides for the appointment of ambassadors ministers, or other diplomatic agents on the par of cither country at the courts of Pekin and St. James's.
3. Contains provisions for the permanent establishment of a British minister, his family and suite at Pekin, and the forms to be observed in his communications with the Imperial Government.
4. Makes arrangements for the travelling and the transmission of the correspondence of the minister and the employment by him of specia couriers.
5. The Emperor of China consents to nominat one of the secretaries of state, or some high olli cer, to transact business with the British ministe either personally or in writing, on a footing perfect equality.
6. The same privileges are to be granted to th Chinese minister in London.
7. Consuls may be appointed in China, and ma
reside $\ln$ any of the op rank and position as anthorities are determi 8. The Christlan reli testants or Loman Catl its professors protected. 9. British subjects to into all parts of the int
their consuls, counterst their consuls, countersj, ties. The regulations a are determined. The $p$ to be applied to ships' c of whom regulations al consul and the local au fiven to Nankin, or c rebels.
10. British merchant trade up the great rive present disturbed state ralley no port is to be exception of Chin Kiang year from the signatu jeace is restored, British to trade at such ports, as reding threa in number, fter consulting with $t$ nate, shall determine.
11. In addition to Chwang, Tang Chow, Tn (how (Swatow), and $\mathbf{K i}$ to be opened, and the bolding landed property $i$ 12. British subjects aro anded property at the rat reople.
13. No restrietions to $b$ ment by British subjects ay lawful capacity.
14. The hire of boats fo zassengers to bo settled be slves without the interfer remment. The number jmited, and no monopoly fing takes place, the offe worling to Jaw.
15. All questions in reg person between British be jurisdiction of the Bri 16. Chinese subjecta gru towards British subjects bed by the Chinese auth IT of China; British st anme in China to be tri onsul or other public fun ans of Great Britain. 17. Determines the mc matter of complaints on $t$ a Chinese subjects.
18. Provides for the $p$ tal property of British su 19. If any British mer saters is plundered by rod ase authorities are to apture and punish the the stolen property.
20. Wrecked or stran moder stress of weather, sd security in any Chin ve to be furnished by tl nith the means of convey slar station.
21. Chinese criminals Song, or on board of Bri mpuisition of the Chinese the same also if taking re mard the vessels of Brit
reside in any of the open ports, and their official rank and positlon as regards the Chinesc local authoritles are determined.
8. The Christian religion, as professed by Protestants or Jloman Catholien, to be tolerated, and its professors proteetel.
9. British subjects to travel for pleas.re or trade into all parts of the interior, with passports from dieir consuls, countersigned by the local authorities. The regulations as regarils these passports are determined. The provisions of the article not to be applied to slips' crews, for the due restraint of whom regulations are to be drawn up by the tonsul and the local authoritles. No pass to be diven to Nankin, or cltles in the hands of the relels.
10. British merehant ships are to be allowed to trade up the great river (Yang-tsze), but in the present disturbed state of the upper and lower ralley no port is to be opened for trade with the exception of Chin Kiang, whiel is to le opened in syear from the signature of the treaty. When peace is restored, Britlsh vessels are to be admitted to trade at such ports, as far as Hankow, not excecding three in number, as the British minister, fter consulting with the Chinese secretary of tate, shall determine.
11. In addition to the present ports, New Chwang, Tang Chow, Tal Wan (Formosa), Chow thow (Swatow), and Kiung-Chow (Hainan) are to be opened, and the right of residence and bolding landed property is conceded.
12. British subjects are to make agreements for inded property at the rates prevailing among the pepple.
13. No restrictions to be placed on the employ. zent by British subjects of Chinese subjects in oy lawful capacity.
14. The hire of bosts for transport of goods or passengers to be settled between the parties themelves without the interference of the Chinese Goremment. The number of the boats not to be jimited, and no monopoly allowed. If any smugiing takes place, the offender to be punished aeroding to law.
15. All questions in regard to rights of property r person between British subjects to be subject to the jurisdiction of the British authorities.
16. Chincse subjeets guilty of any criminal act towards British subjects to be arrested and punshed by the Clinese authorities according to the Isw of China; British subjects committing any cime in China to be tried and punished by the ansul or other public functionary according to the lars of Great Britain.
1i. Determines the mole of procedure in the mater of complaints on the side either of Britishla arChinese subjects.
18. Provides for the protection of the persons mil property of British subjects.
19. If any British merchant vessel in Chinese raters is plundered by robbers or pirates, the Chiofe authorities are to use every endeavour to apture and punish the offenders, and to recover the stolen property.
? 0 . Wrecked or stranded vessels, or vessels mder stress of weather, are to be afforded relief and security in any Chinese port ; and the crews ve to be furnished by the Chinese, if necessary, rith the means of conveyance to the nearest conslar station.
21. Chinese criminnls taking refuge in Hong Song, or on board of British ships, shall, upon the xquisition of the Chinese authorities, be given up; the same slso if taking refuge in the bouses or on bard the vessels of British subjects at the open ports.
22. The Chinese authoritiea to do their utmost to arrest Chinese subjeeta falling to discharge their debts to British subjects or fraudulently abseonding, and to enforee recovery of the debts. The Iritlsin authorities to do likewlse as regards British subJects indebted to Chines.
23. Debts incurred by Chinese at Hong Kong must bo recoverea in the courts of justice on tho spot. If the debtor should abscond, and ahould possess real or personal property in the Chinese territury, the Chinesc authorities, in codeert with the British consul, are to sec justice done between the parties.
24. 13ritish sobjeets shall pay on all merehsndisn Imported or exported the duties preseribel by the tariff, but In no case shall they pay other or higher duties than the subjects of other foreign nations pay.
25. Import duties to be considered payable on the landing of the goods, and duties of export on the shipment of the same.
26. The tariff thxed by Article 10 of the treaty of Nankin to be revised by a commission of British and Chinese officers to meet at Shanghai, so that the revised tariff may come into operation immediately after the ratitication of the treaty.
27. Fither contractling party may demand a further revision of the tariff and of the commereial artieles of the treaty at the end of ten ycars; but six months' notice must be given, or the taritf is to remain in force for ten years more, and so at the end of each suceessive ten years.
28. It is agreed that within four months of the signature of the treaty, the Chi iese collector of duties at ports already opened and kereaftor to be opened to British trade shall be obliged, on application of the consul, to declare the amount of dinties leviable on produce between the plaec of production and the port of shipment, and upon imports between the consular port in question and the inland markets named by the consul ; and a notitication thereof shall be poblished in English and Chinese. British subjects may, however, clear their goods of all transit duties by payment of a single charge; the amount of the charge to be calculated as near as possible at the rate of $2 \frac{1}{2}$ per cent. ad valorem duty, and it is to be fixed for each article at the conference to be held at Shanghai.
The payment of transit dues by commutation is in no way to affect the tariff cluties on imports or exports, which will continuc to be levied separately and in full.
29. Regulates the amount of tonnage dues. British merchant vessels of more than 150 tons burden to pay at the rato of 4 mace per ton; if of 150 tons and under, at the rate of 1 mace per ton.

Vessels engaged in the coasting trade, or clearing for Hong Kong from any of the open ports, shall be entitled to a special certificate exempting them from all further payment of tonnage dues in any open port of China for a period of 4 months from the date of port elearance.
30. The master of any British merchant vessel may within 48 hours after his arrival, but not later, lepart without breaking bulk; in which case he will not bo subject to pay tomago dues. No other fees or charges upon entry or departure shall be levied.
31. No tonnage dues to be paid on passenger boats, or boats conveying baggage, letters, articles , $f$ ' provision, or other articles not subject to duty. All cargo boats, however, conveying merchandise subject to duty, shall pay tonnage dues once in 6 months, at the rate of 4 mace per register ton.
32. The consuls and superintendents of customs
to consult together respecting the erection of buovs nad light ships, as occasion may demand.

3i. Dutles to be paid to the authorised Chinese bunkers, either in syece or in foreign money, arcordhig to the assay nade at Canton, July 13 , 18.13
3.4. Sets of standard weights and mensures to be dellvered by the superintendent of enstoms to the consul at each port, to secure uniformity.
30. Jritish merchant vessels to be at liberty to engage pitots to take them into any of the open ports, and to convey them out, after they have disclarged all legnd dues and duties.

3v. The superintendent of customs shall depute one or more customs officers to guard a İritish merehant ship on arriving off one of the open ports. They shall stay elther in a boat of their own or on board ship; their food and expenses shall be supplied from the custont house, and they shall be entitled to no fees from the master or consignee.
37. Ships' papers, bills of lading de., to be lodged in tho hands of the consul twenty-four hours after arrival, and full particulars of the vessel to be reported to the superintendent of customs within a further period of twenty-four hours: omission to comply with this rule within fortycight hours punishable by a fine of 50 taels for each day's delay. The totn! amount of pe aulty not to exceed 200 taeis. The master responsible tor the correctuess of the manifest: a false manitest subjects the master to a fine of 500 tacls, but he will be allowed to correct any mistake within twenty-four hours without ineurring the penalty.
38. If the master shall begin to discharge any goods witho the permit from the superintendent ot' customs, he shall be fined 500 taels, and the goods discharged shall be coufiscated wholly.
39. british merchants must apply to the superintendent of customs for a special permit to land or ship eargo. Cargo landed or shipped without such permit will be liable to confiscation.
40. No transhipment from ono vessel to another can be made without special permission, under pind of confiscation of the goods transhipped.
41. The superintendent of customs shall give a port clearance when all dues and duties have been paid, and the consul shall then return the ship's papers.
42. If the British merehant cannot agree with the Chinese officer in fixing a value on goods subject to an ad valorem duty, each party shall call in two or three merchants, and the highest price at which any of the merchants would purchase them shall be assnmed to be the value of the goods.
43. Provides that duties shall be charged upon the nett weight of each article, making a deduction for the tare weight of congee \&e., and regulates the manner in which the tare on any article, such as tea, shall be fixed. The British merchant may appeal to his consul within twenty-four hours.
44. Upon all damaged goods a fair reduction of duty shall be allowed, proportionate to their deterioration. If my disputes arise, they shall be settled in the manner pointed out in the clanse of this ireaty having reference to articles which pay duty ad valorem.
4. British merchants who have imported merchandise into an open port and paid duty may reimport their goods under certain regulations withont payment of any additional duty.

British merchants desiring to re-export clatypaid imports to a foreign country to be entitled, under similar regulations, to a drawback certiticate, which is to be a valid tender in payment of customs duties.

Forelgn grain brought into a Chlaese port in a British shlp, if no part has been landed, may be re-exported without hindrance.
46. The Clinese authorities at the ports to adopt the means they may judge most projer to prevent the revenue suffering from fraul or momuggling.
47. Hritish merchant-vessels not to resort to other than the ports declared open; not unlawfully to enter ports, or to carry on clandestine trade along the coasts. Vessels violating this provision to be, with their cargoes, subject to coufis. eation by the Chinese Government.
48. If a Iritish merchant vessel be concerned in smuggling, the goods to be subject to confiscation by the Chinese authorities, and the ship may bo prohibited from trading further, and sent away as soon as her accounts shall have been adjusted.
49. All penalties or confiscations under the treaty to belong and be approprinted to the public service of the Chinese Government.
50. All official communications addressed by British diplomatic or consular agents to the Chinese authorities are heuceforth to be writtell in English. For the present they will be accompa nied by a Chinese version; but it is understood that In case of there being any difference of meaning between the Euglish and Chinese text, the English Government will hold the sense expressed in the Eoglish text to ba the correct sense. 'This provision is to apply to the present treaty, the Chinese text of which has been carefully corrected by the English original,
51. Tho character ' 1 ' (barbarian) not to be applied to the British Government or to British subjects in any Chinese official :ument issued by the Chinese authorities.
52. British ships of war c $\qquad$ r no hostile purpose, or being engaged in ti. p...suit of pirates, to be at liberty to visit all the Chinese ports, and to receive every facility for procuring necessuries, or, if required, for making repairs. The commanders of euch ships to hold intercourso with the Chinese authorities on terms of equality and courtesy.
53. The contracting parties agree to concert measures for the suppression of piracy.
it. Confirms all advantages secured to the British Government by previous treatics, and stipulutes that the British Government shall participate in nny advantages which may be grasted by the Emperor of China to any other nation.
55. The conditions affecting indemnity for expenses incurred, and loss sustained, in the matter of the Canton question, to be included in a separate article, which shall be in every respect of equal validity with the other articles of the treaty.
©6. Ratifications to be exchanged within a year after the day of signature.

Scparate article provides that a sum of $2,000,000$ thels, on account of the losses sustained by British subjects throngh the misconduct of the Chinese authorities at Canton, and a further sum of $2,000,000$ tacls on account of the expenses of the war, shall be paid to the British representative in China by the authoritios of the Kwang Tung province.
The arrangements for effecting these payments to be determined by the British representative in concert with the Chinese authorities at Kwag Tung.

The British forces are not to be withdrawn from Canton until the above amounts are discharged in full.

We also annex an abstract of the trade regulations annexed to the treaty.

Rule 1. Unenumerated Goods.-Articles not enumerated in the list of exports, but enumerated
in the list of imp amonnt of dity ports; and, simil the lis: of impor exports, when in duty set against t
Articles not ent list of duty-free duty of 5 per cet valuc.

Rule 2. Duty-fi lion, foreigh coins, preserved meats : confectionery, fore ware, perfumery, st wood, emudles (for (forcign), wine, b ships' stores, persol ins, druggeting, c glass and crystal w
The above pay $n$ if transported juto crption of personnt b and foreign coins, p 21 per cent. ad valon $A$ freight or part ties (personal bagg and forcign coins ex earrying them, thoug diable to tonnage-dua
Rnle 3. Contraban trale is alike prohibi Gumpowder, ahot, e muskets, pistols, and plements of war; nnc Rule 4. Weights an tions of the Tariff, $t$ bundred catties is hel and thirty-three an dupois; and the lengt feet to be equal to Enclish inches.
Ooc Chinese chilh is one-teutl! inches Eugl less three inches to eq
Rule 5. Regarding fore Contraband,-The
in opium, cash, in opium, cash, grain saltjetre, mull spelter lowing conditions :

1. Opium will hen pienl inport daty. T at the port. It will 1 , Chinese only, and onl frireign trader will not The provisions of Arti tsin, by which Britisl proceed into the inter will not extend to it, of the same treaty, by regulated; the transitas the Chinese Govern retisions of the Tariff, to be applied to opium 2. Copper Cush.-TI foreign port is prohib: for British subjects to parts of China to anot following Regulation: tice of the amount of the port of its destina either by a bond with depositing such other by the Cinstoms satisfa moaths from the date at the fort of shipme him, with an acknowle

In the list of importe, when exported will fay the amonnt of duty set ngainst them lin the list of inports; and, similarly, articles not enumernted in the 'in:" of imports, but enumerated in the list of exports, when imported will pay the amount of duty set against them in the list of exports.

Articles not enumerated in the list, nor in elther list of duty-free goods, will pay an nd valorem duty of 5 per cent. caleulated on their market value.

Rule 2. Duty-free mods.-Gold and silver bullion, forcign coms, tloar, Indian meal, sago, liseuit, preserved meats and vegetables, cheese, butter, confectionery, foreign clothins, jewellery, plated ware, perfumery, soap, of all kinds, charcoal, flreword, candles (foreign), tubneco (foreign), elgars (foreign), wine, beer, spirits, household stores, ships' stores, personnl baggage, stationery, enrpeting, druggeting, cotlery, foreign medicines, mud glass and crystal ware.

The above phy no import or export duty, but, if tramsparted into the interior, will, with the exeqution of personal baggege, gold and silver bullion, and foreign coins, pay a transit duty at the rate of 21 per cent. ad valoresn.
A freight or part freight of duty-free commodities (personal baggage. gold and silver bullion, and foreign coins excepted) vill render the ressel earrying them, though no othere cargo be on Loard, liable to tonnage-dues.
Rule 3. Contraband goods.-Import and export trade is alike prohibited in the following artictes: Gunpowier, shot, cannon, fowling-pieces, rifles, muskets, pistols, and all other munitions and implements of war; and salt.
Rule 4. Weights and Measures.-In the calculations of the Tariff, the weight of a picul of one bundred catties is held to be equal to one hundred and thirty-three and one-third pounds avoirdupois; and the length of a chang of tell Chinese fect to be equal to one bundred and forty-one Euglishlinehes.
One Chinese chih is held to equal fourteen and one-tentl inches English; and four yards English less three inches to equal one chang.
Rule 5. Regarding certain Comnoolities heretofore Contraband.-The restrictions affecting trade in opium, cash, grain, pulse, sulphur, brimstone, saltpetre, and spelter are relaxed, under the following conditions:

1. Opium will heneeforth pay thirty taels per picul import duty. The importer will sell it 'mly at the port. It will be carried into the interior by Chinese only, and only as Chinese property; the foreign trader will not be allowed to necompany it. The provisions of Article 9 of the Treaty of Tientsin, ly which British subjects are anthorised to proceed into the interior with passports to trade, will not extend to it, nor will those of Article 28 of the same trenty, by which the transit-lues are regulated; the transit-dues on it will bo arranged an the Chinese Goveroment see fit; nor, in funime revisions of the Tariff, is the same rule of revision tobe applied to opium as to other goods.
2. Copper Cash.-The export of cash to any fureign port is prohibited; but it shall be lawful for British subjects to slip it at one of the open purts of China to another, on complinnee with the following Regulation :-T'The shipper shall give notice of the amount of cash he desires to ship, and the port of its destination, and shall bind himself, either lyy a bond with two suthicient sureties, or by depositing such other security as may be deemed by the Customs satisfactory, to return, within six montlis from the date of clearance, to the collector at the port of shipment, the certificate issued by him, with an acknowledgment thereon of the re-
ceipt of the cash at the port of destination, ly the colloctor at that port, who shall thereto affix his seat; or, failing the production of the certifleate, to forfeit a sum equal in value to the cash shipped. Cush will pay no duty inwards or ontwards ; but a freight or part freight of cash, though no other cargo be on bonrd, will render the vessel carrying it liable to pny tonnage-dues.
3. The export of rice and all other grain whatsoever, native or foreign, no matter whero grown or whence imported, to any forelgn port, is prohibited; but these commodities may be carried by llritish merclanats from one of the open ports uf China to another, ander the same conditions in respeet of security as cash, on payment at the port of shipment of the duty specilled in the Tariff.

Ne import dıty will be leviable ou rice or цrain; but a l'reight, or part freight of rice or grain, though no other enrgo be on board, will render the vessel importing it llable to tonnage-dues.
4. Pulse.-The export of pulso and bean-cale from Tang-chan and New-ehwang under the Britlsh tlag is prohibited. From any other of the open ports they may be shipped, on payment of the tariff duty, either to other ports of Clina or to foreign conntries. The restriction as to the ports of Tang-chan and New-chwang was abolished in January 1862.
5. Saltpetre, sulphur, brimstone, and spelter, being manitions of war, shall not be imported by Ilritisli subjects, save at the requisition of the Chinese Goveroment, or for sale to Chinese duly authorised to purchase them. No permit to land them will be issued until the Customs havo proof that the necessary authority has been given to the purchaver. It shall not be lawful for British subjects to carry these commodities up the Yang-tszekiang, or into any port other than those open to the seaboard, nor to accompany them into tho interior on behalf of Cbinese. 'They must be sold at the ports only, and, except at, the ports, they will be regarded as Chinese property.

Infractions of the conditions, as above set forth, under which trado in oplum, cash, grain, pulse, saltpetre, brimstone, sulphur, and spelter may be henceforward carried on, will be punishable by contiseation of all the goods concerned.

Rule 6. Liability of Vessels entering Port.-To prevent misunderstanding, it is agreed that the term of twenty-four bours, within which British vessels must be reported to the Consal under Article 37 of the Treaty of Tien-tsin, shall be nnderstood to commenco from the time a British vessel comes within the limits of the port; as, also, the term of forty-eigbt hours allowed her by Article 30 of the same Treaty to remain in port without payment of tonnage-dues.

The limits of the ports shall be defined by the Customs, with all consideration for the convenience of trade, compatible with due protection of the revenne; also the limits of the anchorages within which lading and discharging are permitted by the Customs; and the same shall be notifled to the Consuls for public information.

Rule 7. Transit Dues.-It is agreed that Article 28 of the Treaty of 'Tien-tsin shall be interpretel to declare the amomes of transit dues legally leviable upon merchandise imported or exported by British subjects, to be one half of the tariff duties, except in the case of the duty-frec goods liable to a transit duty of $2 \frac{1}{2}$ per cent. ad valorem, as provided in Article 2 of these rules. Merchandise shall be cleared of its transit dues under the following con-ditions:-

In the case of Imports.-Notice being given at the port of entry, from which the imports are to be forwarded inland, of the nature and quantity
of the goods; the ship from which they have been landed; and the place inlnnd to which they are bound, with all other necessary particulars, the Collector of Customs whis, on due inspection made, and on receipt of the transit duty due, issue a transit-duty certificate. This must be produced at cvery barrier station, and visél. No further duty will be leviable upon imports so certificated, no matter how distant the place of their destination.

In the case of Exports.-Produce purchased by a British sulbject in the interior will be inspected, und taken account of, at the tirsi barricr it passes on its way to the port of slipment. A memornudum, showing the amount of the protuce nnd the port at which it is to be shipped, will be deposited there by the person in charge of the produce ; he will then receive a $s$ itificate, which must be exhibited and vised at every barrier, on his way to the port of slipment. On the arrival of the produce at the barrier nearest the port, notice mast be given to the Customs at the port, and the transit ducs due thereon being paid, it will be passed. On exportation the produce will pay the tariff duty.

Any attempt to pass goods inwards or outwards otherwise than in compliance with the rule here laid down will render them liable to confiscation.

Unauthorised sale, in transitu, of goods that have been entered as above for a port, will render them liable to confiscation. Any attempt to pass foods in excess of the quantity specified in the certificate will render all the goods of the samedenomination named in the certificate liable to confiscation. Permission to export produce which cannot lie proved to have paid its transit dues will be refused by the Customs until the transit dues shell have been paid. The above being the arrangement agreed to regarding the transit dues, which will thus be levied once and for all, the notification required under Article 28 of the Treaty of Tientsin, for the information of British and Chinese subjects, is hereby dispensed with.
Iuve 8. Foreign Trade under Passport.-It is agreed that Article 9 of the Trenty of Tien-tsin shall not be interpreted as authorising British subjects to enter the capital city of Peking for purposes of trade.
Rule 9. Abolition of the Meltage Fee.-It is ngreed that the percentage of one tacl two mace, hitherto charged in excess of duty payments, to defray the cxpcuscs of melting by the Chinese Government, shall be no longer levied on British subjects.

Rule 10. Collection of Duties under one System at all Ports.-It being, by Treaty, at the option of the Chinese Government to adopt what means appear to it best suited to protect its revenue, aceruing on British trade, it is agreed that one uniform system shall be enfored at every port.
The high oflicer appointed by the Chinese Government to superintend forcign trade will, necordingly, from time to time, either himself visit, or will send a deputy to visit, the different ports. 'lhe said high oficer will be at liberty, of his own choice, and independently of the suggestion or nomination of any British authority, to select any I ritish subject he may sce fit to aid hius in the administration of the Customs revenue; in the prevention of amuggling; in the definition of port borndaries; or in discharging the dutics of har-bour-master; also in the distribution of lights, buovs, beacons, and the lil.e, the maintenanre of which whall be provided for out of the tonnagedues.
The Chinese Government will adopt what measures it shall find requisite to prevent smuggling
upon the Yang-tsze-kiang when that river shall be opened to trade.
The following is a synopsis of the Supplementary Convention of l'chiog, signed October 24, 1860 :Art. I. Fixpresses the regret of the Emperor of China for the brench of friendly relations in 1859.

Art. II. Fastablishes the right of residence at Peking on the part of the British Ambassalor.

Art. III. Provides for the payment of a warindemnity of six millions of taels $(2,000,000 l$. in addition to two million taels previously demanded as indemnity for the losses of British mercliants at Canton.

Art. IV. Opens the Port of Tien-tsin to trade.
Art. V. Authorises the emigration to foreign countries of Chinese with their families.

Art. VI. Cedes to the Qucen of Great Britain and Ireland a tract of land known as Kow-loon, on the mainland opposite Hong Kong.

Art. VII. Provides for the immediate operation of the Treaty of 1858.

Art. VIIl. Provides for the publication throughout the Empire of the treaty and convention.

Art. IX. Contains agreements with respect to the evacustion of the sundry places of which possession had been taken.

Iligh expectations were now entertaince, and with rcason, of a vastly extended commerce with Clina, and large European settlements sprang up at the ports newly thrown open. The diffusion of trade over so wide an area could not, however, but be prejudicial to the prosperity of Canton, nlrendy seriously undermined by the hostilities of $1856-$ 1858. The teas and other exports which were formerly brought by a land journey of 600 miles from the producing districts of Hu-peh across the mountains, and down the North liver to the Canton market, were now purchased at Hankow, in the centre of the producing districts, and despatched by steamers navigating the Yang-tsze to Shanghai, whence they were shipped to England direct. Imports in like manner were introduced at half a dozen eligible points to the markets of the interior.
Hong Kong, too, in $180^{\circ} 4$ suddenly rose in importance, owing to the prevalence of the rebellion around Canton, which caused many of the native traders to seek security in IIong Kong either as residents or by transporting merchandise thencein steamers to Canton. Two years later the entire foreign community was removed from Canton, owing to ac pending hostilities, and a large accession to the importance of Ilong Kong as a settlement whs the natural consequence. The proximity of our colony to the seat of trote give encouragement tomerchants to maintain their depots and residences in the island, inducing the Chinese dealers to visit them there for the purchase of im ports. For the introduction of these into the interior, exceptional facilitics were afforded by the nunierous branclies of the Canton river, through which merchandise, and especially opium, can be elaudestinely conveyed, ned the parment of customs duties at Canton avoided. Under thesecircumstances Ilong Kong grew rapidly, at the expense of Canton; and when tranquillity was restored, it became apparent, after a year or two, that the great mercontile houses need no longer make the latter phace their head quarters. The number of forcign residents has dwinlled year by year in proportion to the growtin of Hong Kong, whinst the introduction of powerful river steamers built in the United States, and making the voyage between Canton and Hong Kong daily in less than six hours, has rendered it still more easy for the Chinese dealers to visit the colony and supply their want: from the importers there in the cheapest and most
expeditious m Intion in the the prineipal rrom Canton, asisistants emp silk; but a lar trade has pass agents, whilst t very rapidy to or tliroight the agericies, thus protrance of the onee drew to th of the culire out of inte:communi the extended us the vast intlux of worli, are rapid! to a level vith mative as well uniform distributi cntailed the evils unsettled markets, of periodical failur
Perlapas at no the trade of Chin by a few weallthy Chinese native age
marts of marts of Europe, as Singapore.
Thisdiversion of must be steadily bor upon the diminishei and of exports and farther on. This din present the actual fall so much as the tran business done to Ch annuasly publistied latter, respecting whic accessible. At the of is not the case, as the outward commerce in rrade within the cog tablishments ; but at cation with Hong Ko much merchandise is plying regularly betw mports or exports by purely native tariff, a the forcign Inspectora retrus of trade are de The administration China demands a brief on imports and exports. transit of merchandisise, one of the recornnised s and have usually been court fasourites, farmin lucrative conditions. pail annually by the at Canton was fixed (267,0004,) per annum were usually above 1,0 pursuled at this and ot stant bargaining betwe the merchant, and a cortuption was usually existed, but was seldom This demoralising syste tho proved, naturally, wase equally injurious to and to the higher class An accidental circun Shanghai by rebels in it the Chinese Collectorat
expeditious manner. In consequence of this revolution in the method of conducting trade, many of the princlpal firms have withilrawu altogether from Canton, whilst others are still represented by assistants employed for the purchase of tea and silk; but a large and increasing proportion of the trade has passed into the hands of commission agents, whilst the Chinese thems lyes are learning very rapidly to do business on their own account, or througt the medium of the foreign commission agencies, thus progressively curtailing the importance of those few celebrated houses which once drew to themselves all but a fractional part of the emire outward and inward trade. Rapidity of intercommunication, the employment of steam, the extendel use of the English language, and the vast influx of competitors from all parts of the world, are rapidly reducing the power of enpital to a level with that of energy and enterprise, mutive as well as foreign; but with the more uniform distribution of the advantages of trade are entniled the evils of commercial insecurity and unsettled markets, with the attendant calamities of periodical failure and panics.

Perhsps at no ilistant time, instead of having the trade of China to a great extent engrossed by it few wealthy British houses, we may have Chineso native agencies in the varions commercial marts of Europe, as we already see them flourishing in Australia and California, in Java and Singrapore.
Ihisdiversion of trade from Europeans to Chinese must be steadily borne in mind in any reflections upon the diminished returns of customs revenue and of exports and imports which will be shown farther on. This diminution does not really represent the actual falling off in the amount of trade so much as the transfer of a largo portion of the business done to Chinese hands. The statisties annually published have no reference to the latter, respecting which little or no information is accessible. At the other open ports, indeed, this is not the case, as the necessity of carrying on all outward commerce in foreign bottoms brings the trude within the cognisance of the Customs establishments ; but at Canton the river communication with Hong Kong is so casy and safe, that much merchandise is carried by native junks plying regularly between the two places, and the imports or exports by which pay duty under a purely native tariff, apart from the jurisdiction of the foreign Inspectorate of Customs whence the teturns of trate are derived.
The administration of the Maritime Customs of China demands a brief explanation here. Duties on imports and exports, as well as on the internal transit of merchandise, have been for 1,500 years vie ol' the recognised sources of revenue in China, and have usually been made productive of protit to court favourites, farming the income under highly lucrative conditions. The revenue required to be paid annually by the Superintendent of Customs at Canton was fixed in 1800 at 800.000 tacls $(267,000 l$.) per annum, but the actual receipts were usually above $1,000,000$ taels. The system pursued at this and other ports was one of constant bargaining between the Custom-house and the merchant, and a well-understond system of corruption was usually at work. A nominal tariff existed, but was seldom the rule for levying duty. This demoralising system was profitable to many, nho proved, naturally, its warm supporters, but was equally injurious to the Chinese Government and to the ligher class of merchants.
An accilental circumatance (the capture of Shanghai by rebels in 1853) led to the placing of the Chinese Collectorate of Customs at that port
in the kands of a commission of three Eurnpeans, appointel by the Consuls of Great Britain, France, and the United States. The honesty and regulurity with which business was transacted under them commended the services of foreigners to the notice of the Chinese authorities, by whom the system was continuel, with the cacit consent of the Cabinet of Peking, even after the expulsion of the rebels.

A few years later, a clause of the Treaty of Tien-tsin placed the employment of foreigoers in the Customs department on a recognised footing. The systen was soon extended to all the open ports, with beneticial results. At Canton (as elsewhere) a European Commissioner is atationed, with a staff of clerks, tide-waiters \&c., by whom the entire working of the tariff is conducted, with the exception of money payments. These remain entirely in the hands of the Clinese. The papers ol all vessels entering port are deposited with the Consul of the nation to which they lelong, and report is then made to the Custom-house, which completes the entry of the vessel. The master or consignee obtains from the Custom-louse his permit to load or lischarge cargo, and, on payment into the Chinese Customs' Bank of all duties and tomnage-dues, a clearanec (called the Grand Chop) is issued under the seal of the Chinese Superintendent of Customs, on production of which at his Consulate the master receives back his papers and can proceed to sea.

The following statement shows the state of the commerce at Canton down to 1865 :-

| Year | Value of Imports | Value or Exports | Total Value in Mesican dollars |
| :---: | :---: | :---: | :---: |
| 1860 | doliars $18,400,000$ | dollars $16,2(4), 000$ |  |
| $1 \times 61$ | 12,900,000 | 15,400,000 |  |
| 186\% | 10,510,0100 | 17,7in),000 | 4x, 20010 (10) |
| 1863 | 9,560, 100 | 16,(10),000 | $45,500,000$ |
| $1 \times 64$ | $8,160,000$ | 13,61000010 | 21,700,010 |
| 1863 | 7,910,000 | 1.5,500,0<0 | 21,400,000 |

The duties have fallen off proportionately : the total collection for-

| 1860 |  | ,496,000 |  |
| :---: | :---: | :---: | :---: |
| 1861 | * | 1,2331,4M0 |  |
| 1862 | " | 1,089,000 |  |
| 1 M63 | " | 950,000 |  |
| 1864 | " | 727,000 | " |

It is thus slown that the value of the foreign trade of Canton for 1864 was about $\frac{?}{3}$ what it was in 1860, and the amount of duties received is less than $\frac{1}{2}$ of what it was 5 years previously. On the other hand while in 1842 the exports from the United Kingdom to China amountel to 969,3111 ., in 1843 they were $1,456,180 l$., and in 1845 they rose to the then unprecedented amount of $2,394,827$ l. But though they leclined in 1848 to $1,445,9501$., they have since progressively risen till, in 1866, they amounted to, exclnsive of Hong Kong and Macao, $5,008,474 l$., and inclusive of these two ports 7,677,633l. Great as this -nmount may seem, most probably it would, at no distant period, be very much increased but for the difficulty the Chinese experience in making returns; a difficulty which will, however, be now very materially diminisbed.

Although Cunton is situated nearly in the same parallel of latitude as Calcutta, thero is a considerable difference in their temperature; the former being much cooler, and requiring fires turing the winter months. The streets are very narrow, paved with little round stones, and flagged close to the sides of the houses. The front of every house is a shop, and those of particular streets are laid out for the supply of strangers. China-atreet is appropriated to Europeans; and hero the productions of almost every part of the globe are to be found. One of the shopkeepers is always to be found sitting on the counter, writing with a
camel's-hair brush, or calculating with his swanpan, on which instrument a Chinese will perform operations in numbers with ns much celerity as the most expert Europesn arithmetician.

The Chinese, considered as traders, are eminently active, persevering, and intelligent. They are, in fact, a highly commercial people; and the notion that was once very generally entertained, of their being peculiarly characterised by a contempt of commerce and of strangers, is as utterly unfonnded as any notion can possibly be. Business is transacted at Canton with great despatch; and nowhere in the world may cargoes be sold and bought, loaded and unloadell, with more business-like speed and activity.
l'rovisions mat refreshments of all sorts are abundant in Canton, and, in general, of an excellent guality; nor is the price exorbitant. Every description of them, dead and alive, is sold by weight. It is a curious fact that the Chinese make no use of milk, ciiher in its liquid state or in the shape of curds, butter, or cheese. Among the delicacies of a Chinese market are to be seen horse-flesh, doge, cats, hawks, and owls. The country is well supplied with fish from the numerous canals and rivers by which it is interseeted.

The British settlement at Canton is designated the Shamien Site, and is an artificial island constructed in $1860-1$ at an expense of $32 i, 000$ dols., of which one-ifth was defrayed by the French Government, to whom a proportionate allotment of the area was mate.

Steamers of heavy burden can ascend the river to an anchorage immediately facing the Shamien Site; and although the limits of the port of Canton are officially held not to extend above the anchorage of Whampoa, the advantage to trule which is entailed by the loading and discharging of steamers at Canton is so great that a tacit permission is given to the practice. Several large steamers trade regularly between Canton, Shanghai, and Tien-tsin, carrying almost exelusively native merchandise, such as drugs, dried fruits, iron and brass ware, paper (of which large quantities are manufactured near Canton from the macerated hull of the baniboo) \&c. The great varicty of these miscellnneous articles of commerce can best be estimated by a review of the Custom-house returns, in which they are included in virtue of their shipment in British bottoms. - It is rarely, however, that foreign traders are concerned in these shipments. The great ataples of tea and silk, opium and cotton goods, may still be said to occupy almost exelusively the attention of foreign merchants. Continental (chiefly German) houses No, indeed, import some quantities of petty European manufactures, among which watches and fire-arms take the lead; but the importance of this trade is not great. Among the articles of the second elass to be enumerated are matting and fire-crackers (largely shipped to the United States) and drugs. Guano has of late vears been introduced, and has found a ready sale. The price obtained has been on an average about 300 dols. per pienl (133\$ lbs.)

A very consilerable trade in Indian cotton, imported from Bombay by Parsee and Koja traders, for the most pnrt is carried on in ordinary years; but the flow of cotton eastwarls was interrupted during 1862-1864. when this nrticle of merchandise wis for the first time exported from China (principally from Shanghai) to meet the linglish demand consequent upon the war in the United States. Indian cotton is considered by the Chinese inferior to their own staple, but its cheapness causes it to be extensively employed. Hice is
another article very largely imported, as the production in China has never kept pace with the demand. The carrying trade in rice forms one of the principal sources of employment for sailing vessels during the winter months, when tea and other freights are slack. It is brought from Siam, Burmah, Manila, and Saigon, and is usunlly transhipped at Hong Kong on board native junks.

As regards the manner of purchase and snle, it must be borno in mind that imports are seldom brought to Canton by the European merchants, who, as has already been said, prefer attracting the Chinese buyers to Hong Kong. Propositions to establish bonded warehouses at Canton have hitherto been negatived by the Chinese Government, and have also been unfavourably viewed by the residents of Ilong Kong. Exports, however, must be purchased on the spot from the Cbinese brokers. To buyer and seller alike the brokers are as essential in China as in other countries, and by their intervention trade is carried on at Canton with great facility. Tea is brought from the interior by companies of traders, who purchase and prepare it for the market in the producing districts. The owners of a lot or chop of tea (usually 500 to 600 chests) place their merchandise in the hands of a broker, who obtains for them from the native banks an advance of some 75 per cent. of its value, and circulates among the foreisn inerchants samples or 'musters' of its quality. When a purchase is decided upon, the chop is examined by the tea inspector of the firm, but seldom more than one per cent. of the chests is opened. If, as is usually the case, the tea in bulk is caproved of ns 'equal to muster,' it is immediately prepnred for shipment, a guarantee or security chop being usually given by the broker, who thus becomes reonnsible for its good quality throughout until its arrival in lingland and examination by sworn brokers. Silk is similarly examined and guaranteed.
The commercial honesty of the Chinese is remarked upon by all who have dealings with them, but is giving way gradually before the influx of eager foreign competition and the admission of a lower class of natives to participation in international dealings.
Moneys.-The currency at Canton in Eurancan transactions is the Mexican dollar, but the dollar coined at Hong Kong since May 1866 is expected to supersede this gradually. The Chinese have no silver coin, and keep their accounts in taels, mace, candareens, and cash, forming a decimal system, of which only the lowest member is represented by a coin. Weight of silver is, indeed, the basis of their notation in this respect. A tnel or liang equals $1 \frac{1}{3} \mathrm{oz}$. of silver, and is divided into 10 mace (tsien), the mace ints 10 candnreens (fun), and the candareen into 10 li , to which 1 cash in copper should precisely cerrespond. Owing, however, to the decline in the value of the cash, which for nearly half a century lias undergone progressive deprecistion in the mintage, the average value of the tael is 1,400 copper ensh (t'ung-ts'ien). These coins are cast in moulds, with a equare hole occupying the centre, around which, on the obverse, are Chinese characters, denoting the reign, with the words 'Circulating Value,' and on the reverse the name of the mintin Manchu characters.

In large native transactions, pure silver, known as sycee, is the basis of exchange. The silver is cast in ingots, called shoes, from a fancied resemblance in shape; these weigh from $\frac{1}{2}$ a tnel to 100 taels. Silver of the highest standard of purity is produced at the Customs Bank by melting and refining the foreign dollars received in payment of
duties, and is kno sycee. It standa dollar currency of to the respective ities.
Exchange.-The sterling in the boo lint its value vari aecording to the pi dollars in London. portional value may by the multiplier i Spanish clollar be 60 will be $60 \times 1 \cdot 208=$ the thel will be $79 \cdot 7$ n the same proport Fineness of' Gold gold und silver is ex into 100 parts, called
modern practices of 93 touch, it is unde alloy and 93 of pure $m$ The fineness of the these decimal propor English proportions
Suppose gold is $91 \cdot 66$ Suppose goll is $91 \cdot 66$ 11, the standard, and 925 , the touch of ater Gold.-Gold is not merchandise: it is solc mined weight ; the lar
each; and the gold is each; and the gold is it may be only 92 or 92
Weights.-Gold and catty of 16 taels; the $t$ 100 candareens, or 1 , reckened to weigh 120 makes the tael equal to 3.066 grammes.

The principal weights picul, the catty, and ivided into 100 catties,
$\frac{1}{16}$ tael weighs, avolrdupois 100 cathest or 1 catty Jence the picul weitghicut

Long Measure.-That of chih; it is divided int tqual to 0.3713 metres,
The Chinese have nt the of which nave nu hih, of which nearly 10 Clinesc Comunercial Gid
The most important are

Canfon. Tailor's chih, calle Mercer's measure
Peking. Architect's measur
Land Meusure.-Land wacls by the k'ing anc ang $=100$ square paict), is much employed kround; 60 of these 4i now $=1$ English aasurement adopted a $1 p u$ and $2 p u=1$ sq. feet. English = 1 The if contains 180 fa v, ealled engineer's, $n$ thes; therefore the $1 \mathrm{i}=$ y) lis measure a mean dild but European m rided the degree into
(luties, and is known as Hai-Kwan (i. e. Customs') sycce. It stands at a premium as regards the dollar currency of from 3 to 10 per cent. according to the respective abnndance of the two commodities.

Exchange.-The tael nsed to be reckoned at Gs. 8 d . sterling in the books of the East India Company; but its value varies, and is gencrally computed according to the price paid per ounce for Spanish dollars in London. The tables given for this proportional valnemay be calcnlatel in pence sterling, by the multiplier $1 \cdot 208$. Thus, if the price of the Spnnish dollar be 60 d . per oz., the value of the tael will be $60 \times 1 \cdot 208=\cdot \cdot 2 \cdot 48 d$; ; if nt $66 d$., the value of the tael will be 79.728 d . ; and for any other price in the snme proportion.

Fineness of Gold and Silver.-The fineness of gold and silver is expressed by dividing the weight into 100 parts, called toques or touch; similar to the modern prectices of France. Thns, if an ingot be 93 touch, it is understood to contain 7 prits of alloy and 93 of pure metal, making in the whole 100 .
The fineness of the precious metals, expressed in these decimal proportions, may be converted into English proportions by the following analogies :suppose gold is $91 \cdot 66$ tonch, say, as 100:91•66: :12: 11, the standard, and vice versà; and to convert standard silver into touch, say, as 240:222:: 100 : $92 \cdot 5$, the tonch of sterling silver.
Gold.-Gold is not considered as money, but as merchnndise: it is sold in regulnringots of a determined weight; the largest of these weigh 10 tacls each; and the gold is reckoned 9.1 touch, though ic mny be only 92 or 93.

Weights.-Gold and silver are weighed by the catty of 16 taels; the tacl is divided into 10 mace, 100 candareens, or $1,000 \mathrm{cash}$. 100 tacls are reckoned to weigh 120 oz .16 dwt . troy, which makes the tacl equal to 570.8 Engli 3 h grains, or 37.566 grammes.

The principal weights for mereliandise are the picul, the catty, and the tacl; the picul being divided into 100 catties, or 1,600 taels.


1 tret welghs, avoirdupois 100 cattles, or 1 picul $-133 \quad 5 \quad 5 \cdot 333=13.1_{8}^{1} \mathrm{~b}$. lbs .
गence the picul weighs 60.472 kilogrammes, or 162 ibs .0 oz . 8 dwis. ingth. troy
Long Mcasure.-That used in China is the covid of chih; it is divided into 10 inches (ts'un), and is qual to $0 \cdot 3713$ metres, or $14 \cdot 625$ English inches.
The Chinese have numerous variations of the thilh, of which nearly 100 are enumerated in the Chinese Commercial Guide, ed. 1863, page 28.1.
The most importnnt are the following: -

| Canton. | 'Tailor's chih, called pai.fs'icu-chih Mercer's measure lor buying wholesale retalling |  | Inches 14.65: |
| :---: | :---: | :---: | :---: |
|  |  |  | 11.721 |
|  |  |  | 14.37 |
|  | Architect's measure |  |  |
| Peking. | Land surveyot's rule |  | 12. |

Land Measurc.-Land is mensurel in large ariels by the $k$ 'ing and wou. At Canton, the xing $=100$ square pai-ts'ien-chih $(=149 \cdot 756 \mathrm{sq}$. (ti), is much employed in measuring small plots fround; 60 of these $=1 \mathrm{mow}$, at which rate mis mow $=1$ English nere. The standarl of nasurement ndopted at the British Cousulnte, sed on official enquiries, is as follows: 66 inches $=1 p u$, nud $2 p u=1$ chang (or 10 chih). Hence Whil sq. feet English = 1 square mou.
The li contains 180 fathouns, each 10 fect-the wt, called engineer's, mensuring $12 \cdot 65$ English ches; therefore the $\mathrm{l}_{\mathrm{i}}=1,897 \frac{\mathrm{~h}}{2}$ linglish feet; and Cit lis measure a mean degree of the meridinn arly; but European missionaries in Chima have wided the dergree into 200 lis, each li making Wh linglish fect; which gives the degree $69 \cdot 160$ folish miles, or $11 \cdot 131$ Freuch myrinnètres.

Measures of Capacity.-Thirteen divisions of a decinnl scale are enumerated by the Chinese, but only four are in actual use. These are the ko, shing, half shivg, and tow. Tho tow measures usually about, $1 \frac{1}{2}$ gnllon, contairing 10 shing.

The following tables, extracted irom the Chinese Comarercial Guid, will be found useful :-
Equivalents of Cilinese Weigits etc. in Englisil ditto.
Table for converting Chinese Money Weight into English Troy Weight.

| taels | oz. dwts. | Fra. | mace | ox. dwts | grs. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1410 | 12) 16 | 13 | 8 | 019 | $7 \times N 74$ |
| 50 | fit) S | 0 | 7 | 016 | $21.8 \times 8$ |
| 25 | 314 | 0 | 6 | 011 | 11.404 |
| 21 | 4819 | $20 \cdot 16$ | 5 | 312 | 1.420 |
| 23 | 27 13 | 16.38 | 4 | 0 ) | $15 \cdot 936$ |
| 22 | 2611 | 12.48 | 3 | 07 | $5 \cdot 959$ |
| ${ }^{21}$ | 257 | 3.64 | ${ }^{2}$ | 04 | $19 \cdot 968$ |
| 19 | $\begin{array}{ll}24 & 3 \\ 24 & 19\end{array}$ | 480 0.96 | 1 or 10 |  |  |
| 18 | 2011 | 10.96 21.12 | ${ }_{9}^{\text {candar. }}$ | $\begin{array}{ll} 0 & 2 \\ 0 & 2 \end{array}$ | $\underset{4.1856}{9.984}$ |
| 17 | \% 10 | 17.28 | 8 | 01 | $22 \cdot 38$ i2 |
| 16 | 196 | 13.41 | 7 | 01 | 16.5888 |
| 15 | 18. | 9.69 | 6 | 01 | 10•3901 |
| 14 | 1619 | $5 \cdot 76$ | 5 | 0 O | 4.9920 |
| 13 | 151.1 | 1.92 | 4 | 00 | 2.319 .36 |
| 12 | 149 | 9\%.08 | 3 | 0 0 | 17.3934 |
| 11 | 13. | 18.24 | 2 | 0 0 | 11:3968 |
| 10 | 191 | $1.1-40$ | 1 | 0 O | 4.7984 |
| 9 | 1017 | $10^{3} 56$ | cash |  |  |
|  |  | 6.74 | 9 | 0 0 | 5.21856 |
| 7 | 8 | $2 \cdot 88$ | 8 | 00 | 463874 |
| 6 | 74 | 2.304 | 7 | 00 | 4.05888 |
| 5 | 610 | $19 \cdot 20$ | 6. | 0 0 | 3.47901 |
| 4 | 416 | 15.36 | 5 | 0 0 | $2 \cdot 69920$ |
| 3 | 312 | 11.52 | 4 | 0 0 | $2 \cdot 31936$ |
| 2 | 28 | $7 \cdot 68$ | 3 | 00 | $2 \cdot 73954$ |
| 1 | 14 | $3 \cdot 81$ | 4 | () 0 | 1.15964 |
| $\underset{y}{\text { mace }}$ | 1 | 17•856 | 1 | 00 | 0.57984 |

## Formula for reducing Chinese, English, and Indian

 Wights.One pound troy is equal to taels 9.933 nearly. One pond avoirdupois is equal to $\frac{3}{4}$ catty, or 12 tls.
One hundred weight is equal to 84 catties.
Nincty catties seda at Macao are equal to 1 picul balanca.
One ton is equal to 16 piculs 80 cattics.
One ton is equal to 27.222 Indian maunds, or nenrly $27 \frac{1}{4}$ mamils.

One Indian mannd is $82 \frac{2}{7} \mathrm{lbs}$, avoirdupois exactly.

One maund or 100 lbs . troy is equal to 993446 trels.

One tola is equal to 3.221 taels,
One Bengal factory maund is equal to 56 catties.
One Bengal bazaar maund is equal to $61 \cdot 6$ cattics.
To convert taels into pounds troy.-Divide by 10 , and to the quotient add 2 -3rds of 1 per cent.
To convert piculs into pounds avoirdupois.-Add a third to the number of cattics.
'To convert ponnds avoirlupois into piculs.Subtract a quarter, and divide by 100 .
To convert hundred weights into piculs.Multiply by 84 catties, ant divite by 100.
To convert lengal factory mnunds into piculs.Multiply by 56 , and divide by 100 .
To convert piculs into hundrea weights.Multiply by 100 , nnd divide by 8.1 ; or if minute exactness is not required, add $1-5$ th, and from the result dednct 8 per mil.
To convert piculs into Bengal factory maunds,Multiply by 100 , and divide by 56 ; or if minute accuracy is not required, add $\frac{3}{7}$, and 2 per cent. upon the result.
Th convert Bengal bazaar maundsinto pieuls.Multipi: by 616 , and divide by 1,000 .

To convert piculs into lBengal bazaar manunds.Multiply by 1,000 and divide by 616 ; or if minute accuracy is not required, add $62 \frac{1}{3}$ per cent.

To convert Indian weights into avoirdupois weights.-1. Multiply the weight in seers by 12 , and divide by 35 ; the result will be the weight in
pounds avoir. Or 2. Multiply the weight in maunds by 36, and divide by 49; the result will be the weights in pounds avoir.

Chinese, Indian, and English large Weights compared.


- My this weight China sugar is sold at llombay.
t Hy this weight Nalwa opium is sold at Damaun and in the aterior of ladia.
$\ddagger$ Dy this welight cotton is sotd at Bombay.
To convert avoirdupois weight into Indian weights.-1. Multiply the weight in pounds avoir. by 35 , and divile by 72 ; the result will be the weight in scers. Or 2. . Multiply the weight in ewts. by 49, and divide by 36 ; the result will be the weight in maunds.

The following table shows to the nearest farthing the charge upon each lb. at the different rates of freight, ullowing, as a fair average, 7 bales of 103 lbs . each to 1 ton of 50 cubic feet; and from this table the cost may be computed for nny rate of freight.


The emigration of Chinese Coolies to the Britigh West Indies has been successfully carried on through an official agency since 1859. From the 22nd January, 1860, to 31st Mareh, 1866, 19 vesscls were despatched, carrying in all 6,329 emigranta to Demerara and Trinidad. Down to 1866 the emigration from Canton was carried on under regulations arranged by the British Consul and Chinese authorities, but on the 5th of Mareh, 1866, a convention was signed nt Peking by the British and French Ministers and the Prince of Kung, regulating the emigration of Chinese from all parts of the Empire.
One of the objects of this convention is to enable labourers to be obtaincl under the lirench flag for Cuba and Pent.
For particulars respecting customs' regulations, pilotage, docks \&c. sce Winampon.

## Canton. River Steamer Regulations,

Import Manifest.-On entering port, masters of river steamers must have their import manifests in readiness to hand to the customs' officer, who will board the vessel on arrival. For cargo to be discharged at Whampoa, a separate manifest will be required, to be handed to the customs' officer at that place.

The customs must in all cases be furnished with import manifest before any cargo can be discharged.

Landing of Cargo.-Censignces are net required to make application to the customs for permission
to remove consignments from the steamers, but all goods imported in such vessels must on being diacharged be taken for examination to the customs' jetty.

Shipment of Cargo.-All exports for shipment by river steamers must be sent to the customs' jetty for examination, on which a permit to ship will be granted.

Export Manifest.-Manifest of eargoes exported must be handed to the customs on the return trip of the steamers.

Landing or Shipment of Cargo en route.- Biver steamers must not land or ship eargo at any other place in the river than Canton and Whampor. Any breach of these regulations respecting the shipment or discharge of goods exposes such goods to seizure and confiscation.

Office Hours.-The Custom-house is open for the transaction of business from 10 A.M. to $4 \mathrm{P} . \mathrm{M}$., and the River Steamer Office from sunrise to sunset, Sundays and holidays excepted.
All applications regarding customs busincss should be addressed to the 'Commissioner of Customs.'

Offiee of Maritime Customs, Canton.

## Canton and Whampoa. Custom-house Regulations.

Ship's Papers.-Masters mast deposit their ship's papers and manifest with their consul (if they have no consul, with the customs) within 48 hours alter entering the port.

Import Manifest.-The import manifest must contain a true account of the nature of the cargo on board, ai $: 1$ must be handed to the customs before any application to break bulk can be attended to.

Applications to land Cargo.-The import manifest having been received and ship's papers duly lodged with the consul or the customs, permits to land goods will be granted, on the receipt of applications specifying the number of packages, with their marks, weight, quantity, and such like particulars.

Applications to Ship Cargo.-Before shipment of goods, permits to ship must in like manner be obtained.

Exclusion of Cargo.-Cargo for which a permit has been issued, but which cannot be received on board, must be brought to the Custom-house jetty for examination before being relanded.

Export Manifcst, -When $n$ vessel has received on bonrd the whole of her outward cargo, the customa must be furnished with an export manifest.

Payment of Duties,-After examination of goods, consignees or shippers will be supplied with a memo., for which early application should be made, of the duties payable.
They may then pay in the amount to the Ilai Kwan Bank or Receiving Office, when they will be furniahed with a duty receipt in Chinese, which they must bring to the customs.
Import dutiea are due upon the landing of the goods, and export dutics on their shipment. Amendment in respect of weight or value must be made within 24 hours after the landing or shipment of the goods.
Customs' CVearance.-On application being made for the customs' clearance, if the customs are satisfied that the import and cxport manifests are correct, and that all dues and dutics have been paid, the clearance will be issucd.
Transhipment.-In all cases of transhipment, application must be inade for a tranship permil Goods triushipped before receipt of such permit are liable io confiscation.

Goods conveyed Buats,-Cargo boat to Whampoa for sh examination to the can be but on board poa their permits $n$


Foreign Merchants.American, French, Dut nish, and Portugnese, Mahommedan British
French, and Dutch French, and Dutch $h$
recognised by the Im same privileges have b to all foreiguers that 11
English. English.

Rates of Commission November 1831, and Comunerce, March $18:$

[^13] barnos, lirds nexts, diamo 8. On asles of sll' other goods
3. Un returns, if in koods
3. Os returns, if in freasure, bn 1. Of raw, silt heing retu 2. Of manulac
3. Of all other poods silk
6. On inspecting teas, whether
2. On sise, sn addilitionsl pharciase, or shared
2. On sale, purcinase, or shipipe
d. On drawing, Faie, or ner not involving responsitiat durner
9. On drawing, ssle, or ncgotia gunranteed by the agent ns sind nos covered hy adtequs
10. On purchasing tills, of eftict 1. in nils, of the apent, of othery it. On negotiating loans or pertro in on puaranteemg bills, bonds 3. On puats without eing sates when cances incrudling respo H. On puarant
n. On puaranteeing both salew
B. On biflis of e
tested

1. On all adra of credit for merc whither the poonts stery fur or mint, and wherts s are con is not charget
On onderling kood ment of coatracts, wheter On derived
ardeods, reasure ar cods mithdrawn or sent voods canslgned for sent On prucuring freight, or adse

Goods conveyed to and from Whampoa in Cargo ing Custom-house, for countersignature; in like Buats.-Cargo boats conveying goods from Canton to Whampoa for shipment there, must be taken for examination to the customs' jetty before the goods can be put on board the ship. On arrival at Whampoa their permits must be exhibited at the float-
manner, the permits of cargo boats conveying goods to Canton from ships at. Whampoa must be countersigned at the Whampoa floating Customhouse, and on arrival at Canton they must repair to the customs' jetty fer examination.

Account of the Average Weights and Measurements of the Principal Goods.


Foreign Merchants.-These consist of British, Imerican, French, Dutch, Danish, Swedish, Spanish, and Portuguese, with Parsee and Indian Mahommedan British subjects. The Americans, French, and Dutch have each consular agents recognised by the Imperial Government. The same privileges have been, or are to be, conceded to all foreiguers that have been granted to the English.

Rates of Conamission in Chinu, agreed upon in
November 1831, and revised by the Chamber of
Commerce, March 1838.

1. On all sales of oppiuni, coiton, cnchlneal, camphor burros, birds' nexty, diamonds, and other pre-
On sales of all other vooly and houses
On returna, if in koots
4in returnn, if in reasure, builion, or hilts
Oa purchases, not being returns for goods sold:
2. Of manufactured sulk:
3. Of ail other koois
4. On inluecing teas, whether for returnsor othe.
uise, ant addititional charke of - -
On ne, purchame, or alipment of builion
Not druwing, pale, or nesotiation of bills, when
throer in :
On druwing, sule, or ncgotiation of tiills, when
puaranted by the agent an drawer ue evdorser,
puaranteci by ted hakent an drawer ur endorser:
5. On furch maing hills, or efthcting remittance hy
6. Un nulg, on the ayent or otherwine

i\%. On pararanteelig bury, boinds, or other engage-
1s.On kuuranteeing saler when expecially required
without including responilibility fur remit-
On Ruaranteeing boih salew and remittance of
is. on bills of exchange, returned noted, or pro-

i:. On all 1 dvances of muminy fur purposess of truile Fhrther the yoursis are consigned to the apent
 On onier ing koodx or muperintending the fulfi-
ment of coatract, where no otuer cortunision mis derived wardis withdrawn or sent to auction, and fir goods conufined for additional delivery to othera prucuring freight, or advertising as agents for
owners or commanders, on the amount of freight, whelher the same pases through the 21. On receividx inward freight
7. On ships' disbursementis
8. On chartering shipa for other parties
9. ingurance insurance, or writing orders far
10. Settling ins
11. petocuring return of premium
12. Debte, where a proces is
13. Collectiny houser cent.; and if recorered
14. Acting for he rent
15. executors or adminimitratory
16. The manatermen of the entates of others, on the
17. All cach receipth, not serving for the purelase of
18. siliroffing.
19. Alianyhipping roods punctualiy jiquidated, the
agent to hare the option of eharging a seconic the charge does not occur twice in the same
$\mathrm{Al}^{\text {year }}$ the option of the azent, on the amount ale".
bited or credired within the year, includiniz
interest, and exceptink only iteins on which a
conumision of 5 per cent. has been charyed -
N.D.-'t his charge not to be applied to piyting over a buintee due on an account mate up to a particular period, unless where such laslance is willidrawn withoutt reasunabite matice.
Purt charges are fiyed under the new treaty at 4 mace per ton for vessels of mure than 150 tons burden, and at 1 mace per toa on

The Act 6 \& 7 Vie
The Act 0 a Vict. c. 80 authorises the superintenclent of the trade of her Majesty's subjects in China, being at the same time governor of Hong Kong, to issue, with the advice of the lerislative council of the island, laws and ordinances for the government of British subjects in Clina, or within 100 miles of the same. Laws and ordinances so issued are to be laid before Parliament.
Thade of United Kingdom etc. witit Ciuna.
Value of the Exports from British India to China in the Fifteen Years 1853-65.

|  | \% |  | 880 |
| :---: | :---: | :---: | :---: |
| 1853. | 7,651,815 | 1560. | - 10,1*8.416 |
| 1851. | 7, +24,73 | 1 Mii | - 11,459,966 |
| 1855. | - 6,6,3,3,959 | 1862- | - 11,4ti7,449 |
| 1856. | - 6,46i2, 0 O | 186.7. | - 12,147,347 |
| 18.57. | - 8,016,4K1 | 18 ti4. |  |
| 1858. | - y,50), 0 (18 | 1865. | - 10,8i4,654 |
| [859. | 11, $\mathrm{S14.961}$ |  |  |

This account inclutles Jaian for the last year.

Account of the Quantities and Values of the Principal Articles imported into the United Kingdom from China, inc. Hong Kong, in cach of the 5 Years ending with 1 rữ.


Account of' the Quantities and Values of the Principal Articles of British Produce and Mfunufactur exported from the United Kingdom to China, including Hong Komg, in cach of the 5 Yeurs endin with 1866.

| Principal Articles | Quantities |  |  |  |  | Declared Real Vatur |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1862 | 1863 | 1861 | 1865 | 1866 | 1862 | 1863 | 1864 | 1865 | 1866 |
|  |  |  |  |  |  | $\boldsymbol{E}$ | $\mathcal{L}$ | $\mathcal{L}$ | 2 | $\boldsymbol{1}$ |
| Apparel and ha* | - | - |  | - | - | 21,308 | 58,250 | 26,385 | 12,577 |  |
| Arms end ammu. |  |  |  |  |  |  | 69, 273 | 39,397 | 121,438 |  |
| nition - - brik. | 5,074 | 10,335 | 5,713 | 3,790 | 4,618 | 23,226 20,465 | 69,273 44,285 | 39,397 43,234 | 21,438 | 31, 6,5 |
| Coals, cinders, and | 180 369 | 107,984 |  |  |  | 59,588 |  |  |  |  |
| culm - - tons | 180,369 939,966 | 107,284 13,949 | 79,368 168,249 | -54,039 | 51,761 237,800 | 59,588 $\mathbf{3 0 , 7 3 5}$ | 33,279 | 35,102 | 30,377 24,762 | 34,58 |
| Cottons, entered by the yard - yards |  | 30,7 70,941 | 50,907,813 |  |  |  |  |  |  |  |
| Che gard $\begin{aligned} & \text { Cottols, entred at mal. } \\ & \text { value }\end{aligned}$ | $60,618,421$ <br> - | (3,710,94 | $\left\lvert\, \begin{gathered}50,901,38 \\ -\end{gathered}\right.$ | $\left\lvert\, \begin{gathered}\text { an, } \\ \\ -\end{gathered}\right.$ | $11,900,987$ - | 4,237 | 78,162 4,072 |  | 1,061,102 838 |  |
| Hardwares and cutlery, unenu- |  |  |  |  |  |  |  |  |  |  |
| ${ }_{\text {murated }}{ }^{\text {cwis. }}$ | 1,669 | 1,121 | 4,0,6 | 1,580 | 887 | 9,858 | 22,954 | 18,972 | 8,472 |  |
| unwrought ${ }_{\text {l }}$ - tons | 6,235 | 11,579 | 10,625 | 7,904 | 3,620 | 62,32.7 | 332,058 | 118,057 | 69,101 |  |
| Lead and shot - | 4,2.50 | 7,610 | 3, 619 | 1,211 | 2,326 | -91,439 | 162,191 | 78,310 11,399 |  |  |
| Provisions, unemit- | - | - | - | - | - | 1, 320 |  |  | - 5 5,576 |  |
| marated ${ }^{\text {mod }}$ | $\rightarrow$ | - | - | - | - | 0,62! | 24,035 | 13,147 | 6,334 |  |
| by tha yard - yards | 4,966,53, | 8,482,8.6. | 13,613,351 | 16,245,721 | 20,306,251 | 490,248 | 732,611 | 1,018,228 | 1,303,518 | 38 |
| Woollens, entered at palur - val. | - | - | - | - | $\rightarrow$ | 4,501 | 8,4,48 | 4,131 | 1,210 |  |
| Alf other articien - " | - | - | - | - | - | 21, 2101 | 321,310 | 297,153 | 114,562 | 124. |
| Total | - | - | - | 二 | - | 2,074,118 | 2,416,705 | 3,092,61 | 3,4il3,595 | 5.9906, |

Quantities and $V$


Quantities of Black and


Quantities and Value of the Priucipal aud other Articles Imported at the Port of Canton in each of the Years 1862－64．


Quantitics and Value of the Articles（exclusive of Treasure）Exported from the Port of Canton in each of the Years 1862－64．

| Articles | 1862 |  | 1863 |  | 1364 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantites | Value | Quanilten | Value | Quanities | Value |
|  |  | ${ }_{6,17015}^{\text {dels．}}$ | 18，037，591 | ${ }_{\text {4，doin }}^{\text {di3，}}$ |  | ${ }_{2,371,92.5}$ |
| Tea，green ：$\quad$ ： | 6，309，702 | 1， $6.689,191$ | 6，419，880 | $1,547 \times 112$ | 3， 016,738 | 2，374， |
|  | 6，091 | 2，528，067 | 5，4088 | 2， $2123,4,4.51$ | 2，733， | 1，154， 5193 |
|  | 3，915 | 3，1，926 | 3．194 | 3i， | 3，400 | 3 39.1806 |
| $\begin{gathered}\text { refuse } \\ \text { cursons }\end{gathered} \quad: \quad: \quad: " \#$ | ${ }^{744}$ | cisizi4 | －695 | 31.307 | －771 | 31，696 |
|  | 38，775 | 275，491 | － | 二 | 二 |  |
| chinese cargaes ic．，chlefly of the const |  | $\rightarrow$ |  | 45，339 | 833 | 220，08s |
| Chad earrylng trade in foreljn botoms | － | 6，239，029 | － | －，548，884 | － | 4，975，27．5 |
| Total－$\underbrace{\text { dols }} \boldsymbol{i}$ | ニ | $\begin{gathered} 17,742.591 \\ 4,060,746 \end{gathered}$ | ＝ | $\begin{gathered} 16,09,3,069 \\ 3,462,0.097 \end{gathered}$ | － | $\begin{aligned} & 9,81,311 \\ & 2,561,4214 \end{aligned}$ |

a Nate of Ezchange，4x．\％d．
† 48．91d．
$\ddagger 48.91 \mathrm{~d}$ ．

Qumatities of Black and Grcen Teas Exported to various Countries from the Port of Canton in each of the Years 1862－6．4．

| Countrles to which Exported | 1862 |  |  | 1863 |  |  | 1861 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Black | Green | Total | Hlack | Green | Total | Black | Green | Total |
|  | ths． | Its． | lbs． | lbs． | lins． | lbs． | lbs． | lbs． | lbs． |
| dutratia | 22，604，599 | 3，139，566 | 25，711，16．5 | 14，713，519 | 3，048，053 | 17，561，552 | 9，234，065 | 1，423，311 | 10，707，410 |
| llombay | ＊1，650，266 | 976，5：7 | 2，627， 13 | ＊1，511，266 | 1，216，262 | 2，760，528 | 857，77s | 379，360 | 1，237，1：88 |
| $\left.\begin{array}{l}\text { United States } \\ \text { Qouth Amurica }\end{array}\right\}$ | 622，366 | 1，431，063 | \％，453，449 | 243，209 | 1，338，309 | 1，561，517 | 490，791 | 871，037 | 1，361，448 |
| Other conntries－ | 711，501 | 3.57 .496 | 1，068，997 | 1，606，598 | 787，216 | 2，393，814 | 360， 351 | 292，977 | 613.528 |
| Trotal | 4，2，589，3，38 | 6，314， 212 | 31，491，034 | 18，4157，591 | 6， 119,820 | 24，477，411 | 10，913，186 | 3，046，738 | 15，949，924 |

[^14]Number and Tonnage of Vessels of various Nations entered at the Port of Canton in 1862－64．

| Sationalits of Vessels | 1562 |  | 1863 |  | 186.1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Ver- sela | Tons | Ves． sets | Tons | $\begin{array}{\|l\|} \hline \text { Ves- } \\ \text { sels } \\ \hline \end{array}$ | Tons |
| Britioh | 108 | 58，390 | 96 | 37，425 | 99 | 50，762 |
| Hiver steamers and lorchas | 118 |  | 167 |  | 12 | 8，3．52 |
| American－ | 48 | 59，784 | 47 | 19，565 | 9 | 7.783 |
| Hivre steamers | 390 | 120，555 | $4 \mathrm{NT1}$ | 172，2688 | 617 | 250，901 |
| Other countries | 39 | 16，265 | 97 | 29，${ }^{\text {（4，}}$ | 111 | 31，894 |
| Total | 725 | ［ $\overline{25,116}$ | 167 | 300,540 | W47 | 354.749 |

Quantities of the different Kiuds of Silk Exported from the Port of Canton in each of the Years 1862－64．

| Description of Silk | 1862 | 1863 | 1864 |
| :---: | :---: | :---: | :---: |
|  | ${ }_{\text {libs．}}$ | $1 \mathrm{bs}$. | 1 lis ． |
| Thaw | 7946661 16,932 |  | 363,735 16,769 |
| Coarse | 691，212 | 3 31010.564 | 4，59，333 |
| 1Refuse Cocoons | 105．948 | 92，568 | 104，643 |
| ${ }^{\text {Cocoona }}$ Total | $\frac{2,274}{1,618,010}$ | － |  |

From this table it will be seen that the silk
trale is declining. The export of tea fell from $\mathbf{2 6 3 , 0 0 0}$ piculs in 1860 to 109,742 picula in 1865.

## Consular F'ees.



In matters of voluntary jurisdiction, the following fees are claimable :-
Noting printest, with certified mopy If needed
Order of survey, with llo.
$\begin{array}{ccc}x & 2 & d \\ 0 & \vdots \\ \vdots & \vdots \\ 1 & 0 \\ 1 & 0 & 0\end{array}$
If bryond ato worta, firt each additional $100^{\circ}$
Prepraring and attesting bottomry or arblitration
Prelaging and attesting bottomry or artultra
bond
Atting
Ateendaice at shipwreck out of consular office

Attending valuation of koods under 2001
Do. If alove, for ench day's attendance
Do. If above, for each day's attendance
Attending sale of pooila under yiof.
Do. If alvoe of har each day'r atuendanfe
Certifeste of due landing of goods from Unitex Kingilom
Bil of
Vite oflth
Yt.e or pinstyor' Mrenake went of property if do.
Rexibter lon ordocumetit,
If enceelling law words, for every 100 additional
Every rertifed copy of document mot lefore
menti ned worth, for each ion
Administering oath and attesting slgnnture, if
Arquired.
$\begin{array}{lll}1 & 0 & 0 \\ 0 & 3 & 0\end{array}$

Aterimg alknture : $\quad: \quad$ :
Annexing nffirial seal to any doruinent not
No fee to be taken for custody of or endorsement on ahip's articles and papers deposited with the consul in accordance with 17 \& 18 Vict. c. 104 s. 279.

Where the feo is fixed in preceding tables for any particular act, no additional fee to be alemanded for siguature, attestation, or annexing seal of office.
'The above fees, if not paid in English money, are to be calculated at the current rate of exchantre.

The payment of our consuls by fees is much, and we believe justly, objected to at Canton. It is a bad practice anywhere, and especially so in Chino.

A Chinese ship or junk is seldom the property of tue individual. Sometimes 40,50 , or even 100 different merchants purchase a vessel, and divide her into as many different compartments as there are partners; so that each knows his own particular part in the ship, which he is at liberty to fit up and sccure as he pleases. The bulk-hcads, by which these divisions are formed, consist of stont planks, so well caulked ns to be completely watertight. A ship thus formed may atrike on a rock and yet sustain no serions injory; a leak springing in one division of the hold will not be attended with any damage to articles placed in another; and from her firmness she is qualified to resist a more than orlinary shock. A coasiderable loss of stowage is, of course, sustained; but the Chinese exports generally contain a considerable value in small bulk. It is only the very largest class of junks that have so many owners; but oven in the smallest class the number is very considerable.

Population of China.-For some remarks on the
conflicting accounts and theoriea that have been put forth with respect to the populntion of this empire, the reader is referred to the Geographical Dictinnary, art. 'China.'

CANVAS (Fr. toile dे voile; Ger. segeltuch; Ital. cancvazza, loda; Russ. parussnoo polotno, parussiun; Span. Iona). Unblesched cluth of hemp or tlax, chicfly nsed for sails for shipping. Masters of ahips used to be required to make entry of all foreign-mado aails and cordage, not being standing or running rigging, in use on board their respective shipe, under a penslty of 1001. But thin and all other restrictions and regulstions in regari to foreign canvas are now repealed. It had been the practice for a considerable period to grant bounties on the exportation of canvas or sail cloth: these, however, finally ceased en the lst of January, 1832. By an Act passed in the reign of Geo. II. new sails were ordered to be atamped with the maker's name and place of abode; but this regulation was repealed by the 10 Geo. IV. c. 43 s. 9.
"It is usually made in pieces or "bolts" from 24 to 30 inches wide, and 38 to 40 yaris long. A bolt of navy canvas (always of the best quality) is about 40 yards long. Each bolt of canvas is numbereit, to show its quality, and bolts 39 ysards long and 24 inches broad ought to weigh, No. 1 quality, $46 \mathrm{lbs}$. ; No. 2, 43 lbs ; No. 3, $40 \mathrm{lbs} . ;$ No. 4, 36 lbs. ; No. 5, 33 lbs ; No. 6, 30 lbs.; No. 7, 27 lbs ; No. 8, 25 lbs.; No. 9,23 lbs.; and No. $10,21 \mathrm{lbs}$. The two last. are uncommon.' (Young's Nautical Dictionary.)

Prices of Sail-cloth paid by Trinity Mouse.


The price fixed for the value of imports of sails and snil-cloth in 1866 was 1 s . per square yard.

CAOUTCIIOUC (Ger. fellerharz; Dotch, riastick gom; Fr. caoutchouc; Ital. gomma eles'ica; Span. nle resina elastica). 'Caontchouc, ${ }^{\text {wima }}$ elastic, or India-rubber, are the general names for a substance now so well known, familiar, and important, that it seems matter for surprise that the latter half of the preceding century should have passed away before it was made known to Eurupe by memoirs real to a learned body: for the remainder of the century its extraordinary property of clasticity nod the grotesque objects made by the Indians cansed it to be met with in the cabinets of the curions; its general knowledge and use was contined to erasing marks of black lead pencil from paper, nad in this country it received the common name of lead-eater.' (Ure's Dictionary, by Hint.)
The chief source of the 'India rubber' of commerce is the juice of several kinds of siphonia, and especially the Siphonia elastica of Central and South America. The largest quantity of caoutchouc is imported from Pará in Brazil.

Caoutchouc comes either in large flat pieces, or monlded on a framework of clay, in the shape of a bottle. The latter are formed by concreting successive layers of fresh juice on a clay mould. In order to facilitate the drying of these layers, the mass is exposed to smoke, which gi- es the substance a black colour. When it is not so treated, the mass is a yellowish white. It is said that acils, and especislly alum, cause a more rapid coagulation, and that ammonia retards the process.
The properties of cnoutchonc were first made known by Bouguer and La Condamine, who had been sent to Peru, by the Aendemy of Sciences in Paris, in order to measure a meridional arc in

1736. describ The choue s

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Capparis $\left.\begin{array}{l}\text { g } \\ \text { out of the }\end{array}\right]$
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pers are imp
parts of the
in France.
Majorea, ame
In 1866, 200.
at 8,750!. I
their import
and was repe
CAPE-TO
tory in South
about 32 miles
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it gives its $n$
21 E, , and rema
160 ,
it, in their poss
tish in 1795.
Treaty of Ami
the British in
crossing each ot
being watered $b$
with oaks. Th aecordins to the
about a third w
to the Geograph
defended by a
Table Bay is cap
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cial station. At
during the prevn!
Table Bay is perfe
and abundance of
the climnte, narabl
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Port Instructions merchant vessels in
le pointed out to th
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a merchant vessel
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"xtrememergency,
done so as early as $p$
2. Should it be tho ressel to dischintree or siderable quantity of pinted ont to him a.
1730. The tree producing th
described by Aublet in 1768. The following are the imp chouc slince 1851 :-


These figures indicate the increase lin the use of
this valuable material In a repre material.
given in the by Messrs. Neumann \& Co., and price of rubber is stated to be $2 s$ March 186.i, and the 100 per cent. higher than its price in 2 hd. per 1 b ., or CAPERS (Fr: capres; it price in 1855. pers ; Ital. cappari; Span. alenparra; Dittel, kapperazil ; Lat. capparis). The pickled ; ludses, kaCapparis spinosa, a low shrub, gened buds of the out of the joints of old shrub, generally growing roeks, in most of the warm parts of the fissures of pers are imported into Great Britain Europe. Caparts of the Mediterranean - the best from Toulon Majorca, aud Some small salt capers come froni Majorca, and a few flat ones from about coms In $1866,209,0 \mathrm{di} 7 \mathrm{lbs}$ capers were imported, valuec at 8,750 !. In 1853 the duty of $6 \frac{1}{10} f$. per valued 1 lb . on their importation was reduced to $\frac{10}{12} \mathrm{~h}$ d. per lb . on and was repealed in 1860 .
CAPE-TOIVN. The capital of the British terri-
ory in South Alrica, about 32 miles north from the botom of Table 13ay, and on the western side of the territory Good IIopy, it gives its name; lat. $30^{\circ} 5_{5}^{\prime}$ 56ti" S ., lon which $1 \mathrm{~K}^{\circ}$ ${ }^{21} 1^{\prime} \mathrm{E}$. The town was founded by the Dutch 180 1650, and remained, with the territory subjech in it, in their possession till it wns taken by the llriTreaty of Amiens ; restored to the Duteh by the the British in 1800, it was finnlly captured by 1815. The strects are laid finally ceded to us in crossing each other at right angles; manght lines, being watered by canals, aud plant many of chem with oaks. The population planted on cach side according to the Cape Almanac, to 22.543 , of whom, about a third were blacks, and in 22.543 , of whom to the Gengraphical Disks, and in 1850 fis necording defended by a castle of considera. The town is Table Bay is capable of contaninideralule strength. ships; but it is exposed to the nny number of Hich, during the nionths of the westerly winds, gust, throw in a heave swell-? July, and Audistressing accidents. This, in fact, is of many drawback upon Cape-Town, whict, is tha great respects is most admirably fitted for in all other cial station. At the proper seasor a commerduring the previlence of the eason, however, or Table Bay is perfectly of the easterly monsoon, and abundance of provisions while the cheapuess the climate, and nivere all iss, the healthiness of peculiarly desirable resting-place for shender it a to or from India, China, Australin for ships bound Port Instructions, -Art Astralin \&c.
merchant vessels ins Table Bay; In the nrrival of be pointed out to the masters theroper berth will captain when he boardsasters thereof by the port a merchant vessel shall shift his no master of lermission from the port enptain unless in without extreme emergeney, when enptnint unless in case of dene so ss early as possible at the Port-Oflec.
?. Should it be the 2. Should it be the intention of art-Offlee. ressel to discharge or receive on boaril anter of a
siderable siderable quantity of merchandise, a berth any conpinted out to hime as close to the jetty will be

## CAPE-TOWN

landing-place
a
the safety of the vessel
other ciriomstances will admit; the vessel and will then moor with two bower and the master open hawse to tha NN1:., takingespecial care, in so mooring, not to overlay the nincliors of care, in so ahip, or in any way to the anchors of any other foul berth. Shlps and vessels vessel near him a Buy for wacer and refreshments touching in Triblo at ungle anchor in the outer an alone may ride this cuie it is particularly reat nnchorage; but in out 80 or 90 fathoms, if they ride by a ded to veer as the linbility of starting or fouline thain cable, or breaking the chain, will fouling the anchor, lessened; and if riding, will thereby be greatly run out a atream or good a rope or coir cable, to ship: and in both enses the othe, to steady the should bo kept in perfect readiness to bower ancluor the vessel is properly moorediness te let fo. When or well secured with moored wlth bower anchors and with good cables a bower and stream anchor, master will then take huoys, and buoy ropes, tho by the bearings of 2 late exact place of the slip, of the water; and shonld acmarks, and the depth the veasel may drift from this situsion by whicl her anchors, a good bearing and fing situntion, or lose must betaken at the time, and the depth of water notifled in writinfy to the bort the same must bo ticularly recommended that captain. It is parpuug ns possible, to counteract vessels be kept ns periodical winds, which at times the effects of the siderable violence. Cape Colony, ex
Town on the west to the as it does from Capethe east, is of very the Keiskamma Liver on every variety of soil, frum extent, and contains to the widest mountain, the ichest level land cven the nppearance of vand tracia destitute of fluctuates between the vegetation. The clinate drought. On the whole, its adrmes of rain mand advantages seem to be pretty advantages and disand the prospects which pretty equaliy balanced, trious emigrant, if not very alluring to the indusnot discournging. Population,-Ac
the populatien of the Cape to the official returus, ed to 496,381 , of whom Colony in 1866 amemut
Produce,-Large quantities of corn colonred. good deacription nre produce of corn of a very neighbourhood of Cape-Town, and the immediate if the colony; but age-Town, and in other parts Dutch law of succession, which crippled by the man's property equally amonich, by dividing a ders the aecumulation of cang his children, hinnthe formation of proper farming in masses, nud (Thornson's Travels in Southern establishments. Natal is the prineipal market Africa, p. 324.) Caje, and ellorts are beingse for the corn of the harbour. The exports of wool made to improve its astonishing rapidity bar wool have increased with in 1833, to $1,754,757 \mathrm{lbs}$, in 18 risen from $113,077 \mathrm{lhs}$. J6s. in 1858, and in 1865 in to 843 , to above $16,000,000$ when exported at $1,6815051,006,24 \mathrm{l} \mathrm{lbs}$., valued most importmint article sent from is now by far the native breed of sheep is very inferior: its. The the worth nothing, and it is inferior: its fleece the size of the tuil, which sometiancs wble only for But tine-wcolled Wpanisl2 merinos weighs 20 lbs . English shoep succeed remartorinos, Saxon and wool fetches a high price. Tho $\begin{gathered}\text { well, and their }\end{gathered}$ Albany is especinlly price. The eastern district of Large quantities of wine for sheep.
brandy, are produced at the nind of what is enlled exception of Constantin the cape; but, with the The effect of allowint the they are very inferior. wines into the United Kingedompertation of Carpe low duty is, not to occasion their n comparatively. tion, but to canse them to be cmiployed us a conn-
venient means of adulterating others; so that comatry. Picee gools and teak timber are importel besidides being lajurious to the revenue, such redac- from Indin, tea from China, mugar from India, the tion of duty promotes frandulent practices, and detracts from the comforts of the public.

Considerable quantities of hilles, אkina, and homs are exported. They are priacipally brought from Alona Bay, on the eastern side of the colony; and the trade has inereaved vety fast during the lant 15 years, Aloes are an important proluct and wool, butter, beef, ivory, argol, and varims other articles are among the exports. The latter also include dried fish, whale and senl ofl de., the Cape fisheries being of considerable value. Copper ore is also become an important article of export.
The imports of the Cape consist of woollens, cottons, hardware, furniture, haberdashery, paper, books, and portions of must articles used in this Marritias de.
Trude, -The traile between the colonists and the indepentent natives la sulijected to various restraints, of which it is not always very enay to discover the policy. The ande of gronpowder nam tlrenrms to the nativea has been prohibited; in regulation which might lave been a judicions one batil they aut been ablo to obtaln them from any one else. The Americans have, however, traleil with the enstern const, and have liberally aupplied the matives with these and varions other articles ; so that by keeping up the regulation in question we merely exclute ourselves from participating in what might be an advantageour trude. Since we have taken possession of Natal, this intercourse may perhaps have been stoppect.
Account of the Quantitics and Vilues of Domestic Products and Manufactures exported from the United Kingdom to the Cape Colony in each of the 5 Years ending with 1860.



But we shou we supposed th greater portion Cape-'I'own. $C$ the W. side o arbour, being of the colony, ar of wool, is bec rate, its expor hose of CapeBritish Kafirari the relative imp lowing table importance of $t$
Statement showi
Vessels that e Ports of Cape

Ports
ape Town
Monsei Hay
Simeo, 'Jown

Toial
Coavime Cape Town Port hemufart Nonel liny i'ort Elizateth:
Total coust wibe
Total

Aecount of the Quantities and Values of the Principal Articles, the Produce of the Colony, exported thence to the United Kingdom in each of the b Years ending with 1866.

| I'rincipal and other Articien | Quantitien |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1364 | 1363 | 1958 | 1865 | 1866 |
| Aloen : $\quad$ : $\quad: \quad$ Jbew | 221015 | 410,715 | 474.763 | 731,778 | 791,594 |
|  | 14.4611 | 37,197 | 49,1940 | mi, 6 in | 401,21.3 |
| Sopper ore . . . tons | 2,960 | 3,153 | $4{ }^{381}$ | 4,046 | 4.4.34 |
| Collon, raw - rwt. | 6, 5 ,16 | 341044 | 1,707 | 1.111 | 4,415 |
| Vasthern, estrich - $\quad$ Ibs. | N, \% wi, | 11,419 | 15,017 | 17, ${ }^{189}$ | 17,995 |
| Ilides, not tanneti - | 12,181 | 13,161 | 14,4.3 | 12,019 | 12,030 |
| Jornt, hornipa, ani jieces of tims | 63 | 66 | 64 | 87 | 66 |
| Indygo - rwter |  |  |  |  | 3311 |
|  | - 11 | 39 40 | 151 151 | 88 | 164 |
| Petroleum not rough nor in the " | - | - | - | - | 637 |
| $\begin{aligned} & \text { Hice, not rough nor in the } \\ & \text { huak o in the huak } \\ & \text { cwis. } \end{aligned}$ | $\begin{array}{r} 695 \\ 197 \end{array}$ | 8.439 | - 01 | 11,270 2,971 | $\begin{array}{r} 24048 \\ 1,775 \end{array}$ |
|  | 32.3, 991 | 2 ${ }^{24,994}$ | 1890762 | 366,471 4,143 | $\begin{gathered} 30,611 \\ 5 ; 5 \\ 5 ; 525 \end{gathered}$ |
|  | 643,956 | 518.741 | 351,4715 | 980, 368 | 764, 9115 |
| Sugar, unrefinel, cwts. | 1,139 | 17.511 | S4, 514 | S4,7.7.6 | 31,41: |
| Treth, plephanto : - the | 1,194 | 2,4.88 | 1,110 | 225,719 | ${ }_{485}$ |
| Traseco, manufaetured Wine |  | 105,169 |  | $225,7.18$ 99.018 .8 | 23,6865 |
| Wine Wool, sheep and lambs: |  | 20,168,617 | 10, $580,29,05$ | 49,260,343 | 29, $\begin{array}{r}2,49,686 \\ 29000\end{array}$ |
| All other articles - Total T alue |  |  |  |  | - |
| Total | - | - | - | - | - |
| Computed Heal Value |  |  |  |  |  |
|  | 1862 | 146.3 | 1461 | 1865 | 1866 |
|  |  | $\mathcal{L}$ |  |  |  |
| Alces : : $\quad$ thus. |  | 8, $8,9.9$ | 9,429 | 12,865 | 12,413 |
| Arrowroot : $\quad: \quad$ athe | 2,671 | 1.usu | 1,3107 |  | 12, <. ${ }^{\text {] }}$ |
| Conper ore: - tont | 74,5919 | 910, x 81 | 111,379 | 98,658 | 73,578 |
| Colter, raw - ewts. | 35,4.46 | 2960,178 | 12,137 | ${ }^{8,107}$ | 29, $814 \%$ |
| Feathers, ontrich * - 170 ch | 41,5,38 | 118.918 |  | 114,yts | 105,973 |
| Ifdes, not tanned - cwiv. | 21,43 | 87,149 | 31,tios | 83,300 | 2., 1.450 |
| llorns, horntips, and plecet of tons born | 2,176 | 2,613 | 1.570 | 2,090 | 1,871 |
| Imors | -117 |  | 1,306 |  | 7,636 |
| Oit, train or hlutiver eid mater tuna | 417 | 3, \%\% | 111,620 | $\begin{array}{r}4,793 \\ \hline 714\end{array}$ | 7,911 |
| Petroleum en " | - | - |  | - | 9,424 |
| Kice, nut yough nor in the husk | 375 | 3.828 | - | 7,153 | 13.573 |
| rough or in the husk - grs. | \% 3.98 | 41,295, | 31,\%s\% | 6,3,392 | 2,495 |
| Skini, poat, undremed : no. | 35,419 | 11,485 | 1, 713 | 6,1)is | - 3 , 675 |
|  | 63,6ing | 36, 1115 | 6.3,561 | 8v, 873 | 79,486 |
| Nugar, unretined - ewits. | 1 dis. | 21,282 | 76.711 |  | 32,561 |
| 'Teeth, eleplbanis' - "in | 27,193 | 62,371 | 33.418 | 24, 420 | 19,789 |
| Tobacce, manufactured : Iba. |  | 10,610 | 2,744 | 9,017 | 2,011 |
|  | 1,151, 118 | 1,413,152 | 1,124,793 | 1,837,483 | 2,179,509 |
| Woul, sheep and lamis* sil other articles | 1, 89,609 | 45,067 | \%2,061 | 40,yys | 4.5,141) |
|  | 1,317,851 | 1,919, ${ }^{\text {4 }}$, 3 | 1,975.473 | \%, 818.48 \% | 2,719,3\%. |

But we should fall into the greatest error if we supposed that either the whole or even the greater portion of this produce was shipped from Cape-l'own. On the contrary, Port Elizabeth, on the W, side of Algoa Bay, with an excellent liarbour, being situated in the most fertile distriet of the colony, and the most suitable for the growth of wool, is become the centre of a considerable trate, its exports in some years laving exceeded those of Cape-'lown. The recent annexation of British Kufiraria, however, will no doubt increase the relative importance of Cape-Town. The following table shows the comparative commercial impurtance of the places referred to :-
Stotement showing the Number and Tonnage of the
Vessels that entered cach of the undermentioned
Ports of Cape Colony in 1863-65.

| Perts | Entered |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1863 |  | 1861 |  | 1865 |  |
|  | Vescela | Tons | Vessela | Tons | Vemela | 1'ona |
|  | 391 | 1:7,873 | 592 | 177,041 | 333 | 151, 8117 |
| luort lleaufort - | - | 1, $\mathrm{BiH}_{1}$ | -10 | 1,n33 | 4 8 | $y+3$ 768 |
| Mosel llay : | ${ }^{8} 8$ |  | 10 | 26, $\begin{array}{r}1,83 \\ 26,943\end{array}$ | 4 | 768 27.1994 |
| Puit Eitameth: | 3ns | 31,334 | qus | 67,977 | 174 | 71,153 |
| Port Alfred | - | - | - |  | 1 | 1.59 |
| Total | 1, 79 | z, $x, 7 \times 9$ | 659 | 87.5, 945 | $\ldots$ | 254,931 |
| Coantwise: |  |  |  |  |  |  |
|  | 119 | 11,914 | 210 | 87,535 | 195 | 29.755 |
| jort lieamfurt | 14 | 9,814 |  |  | 15 | 843117 |
| Mosel llay | cy | S.475 | 55 | 4,24\% | 39 | 6,147 |
| sumunts duwn | 19 | 3,967 | 19 | 3,917 | 31 | 4,377 |
| Port Elirabeth | \% | 17,573. | . 6 | 13, M17 7 | 77 | 2:,533 |
| Total roustwise | \%HS | 4 1.717 | 3.50 | 54,531 | 517 | 66.924 |
| Tatal | 914 | 797.516 | 989 | 3xw, 5.56 | 902 | 3yl, xis |

In the 5 years 1862-6 we exported to the Cape foreign and colonial produce and mamfactures of the values of $113,315 l$., $102,424 l$., $108,825 l$., 57,3601 ., and 60,9891 .
Custom-house Regulations, Duties, Fees ETC.
On Admission of a Ship to Eintry, observe-

1. 'The ship's register must be lodged in the Custom-house until the vessel clear again for sen. 2. The manifest of the cargo on board for this place must be deposited there.
2. The cockets of cargoes shipped from any place in Great Britain or Ireland fur this place must also be deposited there.

From the endorsement of such cockets an extract is to be made, which will show the contents of the different packages on board, and facilitate the making out of the entries.
4. In making out the declarntions, the value by invoice of the different commodities must be giren by the importer, in order to enable the Custom-house to estimnte the duties payable, and to send in to Government, annually, the required statement of the total duties received upon the scveral articles iniported.

In the clearing of a Ship outwards, observe-

1. The master must produce a certificate from the harbour-master that the tonnage duties of the port have been paid.
2. The export manifest must be examined with the permits granted, in order to ascertain whether packages have been shipped without a permit.
3. Export declarations must be sent in lyy the sevoral shippers of the quality and value of goods or protuco shipped by them, in order to ascertain the amount of the exports of the colony.
4. When Cape wine is shipped for exportation to England, affidavit of the particular clescription of such wine must bo delivered, and a certificate granted, by the collector or comptroller of customs, to the master, of his having received such affidavit.
5. Manifests, in triplicate, of such goods as are shipped from the Cape for Great Britain, must ho delivered signed and sworn to by the master, before the collector or comptroller.

The original of which is to be returned to the master to accompany the cargo.
The duplicate to be forwarded, by the first conveyance sailing subsequently to the vessel containing the original, to the commissioners of customs in England or Scotland respectively, as the case may happen.
And the triplicate, written on or covered with a stamp, to remain ins an otlice copy.
N.13.-Ships taking in eargoes for other parts of the world are reguired to deliver only origisal and duplicate manifests.
6. When whale cil or whale bone is shipped from the Cape for England, the proprietor of the whale tishery is to make onth before the collector or comptroller that the same were bona tide the produce of fish, or erentures living in the sen, aetually taken and caught wholly by her Majesty's subjects usually residing in this colony; and the collector or comptraller is to grant a certificate uncler his hand and seal to the inaster, testifying that such oath hatly been made before him.
7. When salted seat skins are shipped from the Cape for England, the shipper is to make oath before the collector or comptroller that the same are rally and bona fide the skins of seals taken and caught on the eonsts appertaining to the Cape of Good Hope, wholly by her Majesty's suljects usually residing in this colony; nud that all the salt used in the curing or preserving of the sume was not made in, or exported from, (ireat Britnin or Ireland; and the collector or comptroller is to grant a certiticate to the master accordingly.
8. The original manifest, and a copy thereof, of ships touching at the Cape of Good Ilope, with cargocs from the eastward for England, to he lelivered and sworn to by the master before the collector or comptroller. The ariginal to be returned to the master, and the copy forwarded from the Custom-house to the commissioner of customs.
9. If any part of suelı cargo sliall be diseharged at the Cape of Good Hope, the collector or comptroller is to endorse upon the manifest the part of the cargo so discharged, and verify the same.

A Table of Duties of Customs payable on Goods, Wares, ard Merchandise imported into the Colony of the Cape of Good Hope, per Act I. 1855.

| troods |  |  | Duty |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ale or heer, viz.:- |  |  | 1 | 4. | d. |
| in hottlex. | . | - mal. | i) | 1) |  |
| nut in botties |  | - pal. | $1)$ | $1)$ | 2 |
| Cheese - |  | - cwt. | 1 | 10 | 0 |
| Cinnamon or cassia |  | - th. | $1)$ | 0 | 3 |
| Clotes | - | - Ib. | 0 | 1 | 4 |
| Cottie | - | cwt. | 0 | 12 | 6 |
| Flour, wheaten | - | Lar. of 196 lbs. | 0 | 3 | 0 |
| Fruits, dejed, vz. 1currants, raisinc, or figh | - | cwi. | 0 | 0 | 0 |
| Ginger, viz,:- |  |  |  |  |  |
| dy | - | - 11. | 0 | 0 | 1 |
| preserved or chaw haw |  | - 11. | 0 | 0 | 1 |
| Sunpowdie | - | - 11. | 0 | $1)$ | ${ }^{6}$ |
| liuns, or gun-harrel | - | - har. | 1 | 0 | ${ }^{1}$ |
| 3 lace |  | - Ib. | 11 | 0 | 9 |
| Mest, salted or cured |  | - ewt. | " |  | 0 |
| Nuthers | - | - 1ts | 1 | 1 | 6 |
| Pelyum |  | - Cw ¢ . | 1 | b.) | 0 |
| 1 l + (ols, or pistol harrels |  | - ench | 0 | 11 | 0 |
|  |  |  | 0 | 4 | 0 |
| Spisits if all serts, not caceeding the sirength or prool by tykeo's hydrometar, and no in proportion for any |  |  |  |  |  |
| kieater strengil . | - | - . pal. | , | 3 | 0 |



Foreign reprints of books, originally publiehed in the United Kingdom, anc there protected by copyright, may now (Act Col. Parl. No. 4, 18:44) be imported here on paying an ad valorem duty of 20 per cent. on tho bona tide value of such reprints.

Free.
Animals, living.
Books and music printed.
Bottles of common glass, imported full of spirits, wine, beer, or ale.
Bullion or coin.
Coals, coke, or patent fucl.
Diamonds.
Guano.
Ice.
Maps or charts.
Pictures.
Provisions or stores of every description, imported or supplied for the use of her Majesty's land or sea forces, when the customs duties shall not have been paid thereon.
Seeds, bulbs, or plants.
Specimens illustrative of natural listory.
Wine, imported or taken oat of bond for the use of military ofheers serving on full pay in this eolony or in British Kaffraria, and also for the use of officers of her Majesty's navy serving on boarrl any of her Majesty's ships : subject, however, to such regulations as the governor shall think fit to make; and provided that if any such wines shall be subsequently sold in this colony, except for the nse or consumption of any of her Majesty's military or naval oflicers serving as aforesuid, the same sliall be furlcited, and be linble to seizure accordingly.
All artieles of naval or militiry uniform or appointments imported by officers stationed in this colony, or Britisll Kaffraria, for their own use. Custom House Fiees.-All fiees abolished by Ordinance No. 6 of 1805.
(Rucen's Warehouse Rent.-A certain sum per week is charged upon goods, in proportion to their bulk and value.
Commission.-The following rates of commission are charged und allowed, namely :-
 schillings, and stivers.

The Cor
Treasury
Revenue
of Cape 275,5591 .
the same
651,5151 .
Banks \& have been Cape of $\mathbf{G}$ with a pa African $\mathrm{Be}_{2}$ with a pai Bank, esto 1847; and banks trat allow inte notes. Jo formed for and for oth

Weights
of in the pound of $\mathbf{A}$ 50 lbs. down which is ret

107 achepels= $\$ 2$
nearly.
being somewhal ,

The Commissariat department grant bills on the Treasury at a premium of $1 / \frac{2}{}$ per cent.
Revenue and Expenditure.-In 1865 the revenue of Cope Colony amounted to $499,812 l$., of which 275,5591 . was derived from the Customs. During the same year the expenditure amounted to $651,515 l$.
Bunks \&c.-Five joint-stock banking companies have been established in Cape Town, viz. the Cape of Good Hope Bank, established in 1837, with a paid up capital of $70,000 l_{\text {. }}$; the South African Bank, established in the following year, with a paid-up capital of $60,000 l$. ; the Colonial Jank, established in 1844 ; the Union Bank in 1847; and the Commercial Bank in 1854. These banks transact ordinary banking business, and allow interest on deposits, but the tirst only issues notes. Joint-stock companies have also been formed for conductiag the business of insurance and for other purposes.
Weights and Measures.-The weights made use of in the Cape are derived from the standard pound of Amsterdam ; and those assized are from 50 lbs. down to 1 loot, or the 32 nd part of a pound, which is regarded as unity.

> Liquid Measure. 16 flasks $=1$ anker 4 ankers 4 aams limger

## Corn Measure.

10 achepels $=1$ muid
107 schepets=S2 Winch. bushels, or 4 chepels $=3$ Imp. busheis, very nearly.
The muld of wheat weighs, at an a
being fomewhat over 106 lbs . Enghish.

| Cloth and Long Measure. |  |
| :--- | :--- |
| 12 Rhynland inches $=1$ Mhynland foot |  |
| 27 dito | 1 Dutch ell |
| 141 dito | dquare foot |
| 141 square fiet | 1 rood |
| 600 roods | 1 norgen |

Colonial Weights and Measures compared with those of England.

## Weights.

100 lha . Duch =nearly 109 Ibs. Engtish avoirdupois


Wine or Liquid Measure.

| 1 flask | $=0.6$ old gallon, or 4.946 Imperial gallons |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 1 anker | 9.1 | $\boldsymbol{}$ |  | n |
| 1 aum | 38 | " | 313 | " |
| 1 leaguer | 152 | " | 126.6 | " |
| 1 plpe | 110 | " | 91.6 | " |

Saldanha Bay, in lat. $33^{\circ} 6^{\prime}$ S., long. $17^{\circ} 58^{\prime}$ $15^{\prime \prime}$ E., being 16$\}$ leagues North of Cape-Town, is one of the best and most commodious harbours in the world. It is perfectly safe at all seasons.

Br,ides the Cape Almanac for 1865, one of the best of that class of publications, and the other authorities referred to, we have derived part of the above details from the Geographical Dictionary, the napers of the Board of Trade \&c.
CAPITAL. In Political Economy, comprises those portions of the produce ol industry that may be directly employed either to support human beings or to assist in production. (Principles of Political Economy, 5th ed. 1. 47. .) But in commeree, and as applied to individuals, capital is understood to mean the sum of money which n merchant, banker, or trader adventures in any undertaking, or which he contributes to the common stoek of a partnership. It signifies likewise the fund of a trading company or corporation; in which aense the word stock is generally udded to it, Thus we say the capital stock of the Bank \&c.

The profit derived from any undertaking is estimated by the rate which it bears to the capital that was employed.

CAPSICUM. [Perper.]
CaRAT. [Coins ; Diamonds; Weights and Meabures. $]$
CARAVAN. An organised company of merehants, or pilgrim. 1 , or both, who associate together in many parts of Asia and Africa, that they may travel with greater security through deserts and other places infested with robbers, or where the road is naturally clangerous. The word is derived from the Persian hervan, or cârvân, a trader or dealer. (Shaw's Travels in the Levant, p. 9, 4 to ed.)
Every caravan is under the command of a chief or aga (caravan-bachi), who has frequently under him such a number of troops or forees as is deemed sufficient for its defence. When it is practicable, they encamp near wells or rivulets, and observe a regular diseipline. Camels are used as a means of conveyance, almost uuiformly, in preference to the horse or any other a.imal, on aceount of their wonderful patience of fatigue, eating little, and subsisting 3 or 4 days or more without water. There are generally more camels in a caravan than men. [Cimel.]

The commercial intercourse of Eastern and African nations has been principally carried on, from the remotest period, by means of caravans. During antiquity the products of India and China were conveyed either from Suez to Rhinoculura, or from Bussorah, near the head of the Persian Gulf, by the Euphrates, to Babylon, and thence by Palmyra, in the Syrian desert, to the ports of Phoenieia on the Mediterranean, where they were exchanged for the Eurupean productions in demand in the East. Sometimes, however, caravans set out directly from China, and, occupying about 250 days in the journey, arrived on the shores of the Levant, after traversing the whole extent of Asia. (Gibbon, vol. vii. p. 93.) The formation of caravans is, in fact, the only way in which it has ever been possible to carry on any considerable internal commerce in Asia or Africa. The Governments that have grown up in those continents have seldom been able, and seldomer indeed have they attempted, to render travelling practicable or safe for individuals. The wandering tribes of Arabs have always infested the immense deserts by which they are intersected; and those only who are sufficiently powerful to protect themselves, or sufficiently rich to purchase an exemption from the predatory attacks of these freebooters, can expect to pass through territories subject to their incursions without being exposed to the risk of robbery and murder.

Since the establishment of the Mohammedan faith, religious motives, conspiring with those of a less exalted character, have tended to auginent tho intercourse between different parts of the Fastern world, and to increase the number and magnitude of the caravans. Mohammed enjoined all his followers to visit, once in their lifetime, the Canba, or square building in the temple of Mecea, the immemorial object of veneration amougst his countrymen; and in order to preserve continually upon their minds a sense of obligation to perform this duty, he directed that, in all the multiplied nets of devotion which his religion prescribes, true believers should always turn their faces towards that holy place. In obedience to this precept large caravans of pilgrims used to assemble annually in every country where the Mohammedan faith is established; anil though, owing either to a diminution of religious zeal, or the inereasing difticulties to be encountered in the journey, the number of pilgrims has of late
vears deelined greatly, it is still very considerable. Few, however, of the pilgrims are actuated only by devotional feelings. Commercial ideas and objects mingle with those of religion; and it redounds to the eredit of Mohammed that he granted permissiou to trade during the pilgrimage to Mecca, providing at tho same time for the temporal as well as the lasting interests of his votaries. 'It shall be no crime in you if ye seck an increase from your I ard by trading during the pilgrimage.' (Sale's Koran, e. ii. p. 36, ed. 1764.)
The numerons camels of each caravan are loaded with those commodities of every country which are of easiest carriage and readiest sale. 'The holy city is crowded during the month of Dhalhajja, corresponding to the latter part of June and the leginning of July, not only with zealous devotees, but with opulent merchants. A fair or market is held in Mecea and its vicinity on the 12 days that the pilgrims are allowed to remain in that city, which used to be one of the best frequented in the world, aud continues to be well attelded.
'Few pilgrims.' says Burcklaardt, 'except the mendicants, arrive without bringing some productions of their respective comntries for sale; and this remark is applicable as well to the merehants, with whom commereial pursuits are the main object, as to those who are aetuated by religious zeal; for, to the latter, the profits derived from selling a few artieles at Mecca diminish, in some degree, the heavy expenses of the journey. The Moggrebyns (pilgrims from Morocco and the north coast of Africa) bring their red bomets and woollen cloaks; the European Turks, shoes and slippers, hardwaie, embroidered stuffs, sweetmeats, amber, trinkets of European manufacture, knit silk purses \&e.; the Turks of Anatolia bring carpets, silks, and Angora shawls; the Persians, Cashmere shawls and large silk handkerchiefs; the Afghans, tooth-brushes, ealled Mesouak Kattary, made of the spongy boughs of a tree growing in Bokhara, beads of a yellow soapstone, and plain coarse shawls manufactured in their own country; the Indians, the numerous produetions of their rieh and extensive region; the people of Yemen, snakes for the Persian pipes, sandals and varions other works in lenther; and the Africans bring various articles adapted to the slave-trade. The pilgrims are, however, often disappointed in their expectations of gain; want of money makes them hastily sell their little adventures at the public auctions, and often obliges them to aecept very low prices.' (Travels in Arabia, vol, ii. p. 21.)
The two principal earavans which yearly rendezvous at Mecea are those of Damascus and Cairo. The first is composed of pilgrims from Europe and Western Asia, the second of Mohammedans from all parts of Africa.
The Syrian earavan is said by Burckhardt to be very well regulated. It is always accompanied by the pacha of Damascus, or ono of his principal officers, who gives the signal for encamping and starting by firing a musket. On the route, a tronp of horsemen ride in the front, and anotices in the rear to bring up the stragglers. The different parties of pilgrims, distinguished by their provinces or towns, keep close together. At night torehes are lighted, and the daily distanco is. usually performed between three o'elock in the afternoon and an hour or two after sunrise on the following day. The Bedouins or Arabs, who carry provisions for the troops, travel by day only, and in advance of tho caravans, the encampment of which they pass in the morning, and are overtaken in turn and passed by the caravan on the following night, at their own resting place. The jonrney with these Dedouins is less fatiguiag than with
the great body of the caravan, as a regular night's rest is obtained; but their bad character deters most pilgrims from joining them.

At every watering place on tho route is a small castle and a large tank, at which the camels water. The eastles are garrisoned by a few persons, who remain the whole year to guard the provisions deposited therc. It is at these watering-places, which belong to the Bedouins, that the sheikhs of the tribo meet the caravan, and reecive the aceustomed tribute for allowing it to pass. Water is plentifnl on the route; the stations are nowhero more distant than 11 or 12 hours' mareh; and in winter, pools of rain-water are frequently fonnd. Those pilgrims who can travel with a litter, or on commodions camel-saddles, may sleep at night, and perform the journcy with little inconvenience; but of those whom poverty, or the desire of speedily aequiring a large sum of money, induces to follow the caravan on foot, or to bire themselves as servants, many die on the road from fatigue. (Travels in Arabia, vol. ii. pp. 3-9.)
The caravan which sets out from Cairo for Mecca is not geacrally so large as that of Damaseus, and its ronte along the shores of the Red Sen is more dangerous and fatiguing. But many of the African and Egyptian merehants and pilgrims sail from Sucz, Cosseir, and other ports on the western shore of the Red Sea, for Ijjidda, whenee the journey to Mecca is short and easy.
The Persian caravan for Mecea sets out from Bagdad; but many of the Persian pilgrims are now in the habit of embarking at Bussorah, and coming to Djidda by sea.
Caravans from Bagdad and Bussorah proceed to Aleppo, Damascus, and Diarbeker, laden with all sorts of Indian, Arabian, and Persian commodities; and large quantities of European goods, principally of English eottons, imported at Bussorah, are now distributed throughout all the eastern parts of the Turkish empire by the same means. The intercourse carried on in this way is, indeed, every day becoming of more importance.
The commerce carried on by caravans, in the iaterior of Africa, is widely extended and of considerable valuc. Besides the great earavan which proceeds from Nubia to Cairo, and is joined by Mohammedan pilgrims from every part of Africa, there are caravans which have no object but commerce, which set out from Fez, Algiers, Tunis, Tripoi, sud other states on the sea-cosst, and penetrate far into the interior. Some of them take as many as 50 days to reach the place of their destination; and as their rate of travelling may be estimated at from 181 to 22 miles a day, as they are heavy or light, the extent of their journeys may easily be computed. As both the time of their outset and their route are known, they are met by the people of the countries through which they travel, who trade with them. Indian goods of every kind torm a considerable article in this traffic; in exchange for whicll, the elief commodity the inhabitants have to give is slaves.
Three distinct caravans are employed in bringing slaves and other commodities from Contral Aírica to Cairo. One of them comes direct trom Mourzouk, the capital of Fezzan, across the Libyan desert; another from Senaar; and the third from Darfur. They do not arrive at stated periods, but atter a greater or less interval, accorting to the success they have liad in proeuring slaves, ivory, gold dust, drugs, and such other articles as are fitted for the Epyptian markets. The Mourzouk caravan is said to be under the best regulations. It is generally about 50 days on its passage, and seldom consists of less than 100,
or of more tha from Senaar ar very irregular, in Egypt for 2 the occupation Mohammed Ali, Egypt has beco regular. The n Egypt by these one cime, to abou of a caravan from important event; attention of the w kind of era. (Bro p. 78.) A carava if it has 2,000 cam the Moorish pilgri Souakin and Mass Arabia, and then Burck hardt states who arrive in the spectable character Central Africa.
Caravans are dist Camels loaded witl heary caravan; lit applied to designate a moderate load, or 1 The safety of a ca the conduct of the Nicbuhr says that w and honest, and the language, and is a method of travelling desert is rarely either But it is not unusual realise considerable su of coaducting caravan licyed in the East thi order to indemnify the arrange with the Arab of the caravans, and sh It all events, a leader or the situation, ever nast impose proportior ussociation. Henee the aravans is, to attach o in aetive and experien masiderable property e Tith ordinary precauti rifing. It would be ca tiang like proper arrang neat, to render travell n all the great rot
Xiebuhr, Voyage en $A$ imst. 1780.)
Soparticular formali nation of a caravan. eriods are mostly uad aent, by whom the leac therally speaking, s form a company an cual in whose name the leader, unless $h$ bis place. When sociate together in the appoint officers to wises may arise during if details with respe watern Part of the Unive T-243; Robertson's via, note 54 ; Recs's Whout whieh is copied wht's Travels in ard of Tuld's Travels in Arabia Turkey and its Reso
or of more than 300, travellers. The caravans from Scnaar and Darfur used formerly to be very irregular, and were sometimes not seen in E.gypt for 2 or 3 years together; but since the occupation of the former by the troops of Nohammed Ali, the intercourse between it and Egypt has become comparatively frequent and regular. The number of slaves imported into Egypt by these caravans was said to amount, nt one ime, to about 10,000 n-year. The departure of a caravan trom Darfur is looked upon as a most important event; it engages for a while the attention of the whole conntry, and even forms a kind of era. (Browne's Trave's in Africa, 2nd ed. p. 78.) A caravan from Darfur is consideted large if it has 2,000 camels and 1,000 slaves. Many of the Moorish pilgrims to Mecea cross the sea from Souakin and Massouah to the opposite ceast of Arabia, and then travel by land to Mecea; and Burckhardt states that of all the poor pilgrims who arrive in the Healjaz, none bear a more respectable character for industry than those from Central Africa.
Caravans are distinguished into heavy and light. Camels loaded with fron 500 to 600 lbs . form a heavy earavan; light caravans being the term applied to designate those formed of camels under a moderate load, or perhaps only half ioaded.
The safety of a caravan depends materially on the conduct of the caravan-bachi, or lender. Xiebuhr says that when the latter is intelligent and honest, and the traveller understands tho lancuare, and is accustomed to the Orisntal method of travelling, an excursion through the desert is rarely either disagrecable or dangcrous. But it is not unusual for the Turkish pachas to realise considerable sums by selling tho privilege of conducting caravans; and it is generally believed in the East that leaders so appointed, in order to indemnify themselves, not unfrequently arrange with the Arabian sheikhs as to the attack of the caravans, and share with them in the booty! It all events, a leader who has paid a largo sum for the situation, even if he should be honest, must impose proportionally heavy charges on the Esociation. Hence the best way in travelling with aravans is, to attach oneself to one conducted by an activo and experienced merchant, who has a ensiderable property embarked in the expedition. With ordinary precaution, the danger is then very trifing. It would be casy, indeed, were there any thing like proper arrangements made by Government, to render travelling by caravans, at least on all the great routes, abundantly securc. Siebuhr, Voyage on Arabic, tome ii. p. 194, ed. limst. 1780.)
Noparticular formalities are reypuired in the formation of a caravan. Those that start at fised eriods are mostly under the control of Governbent, by whom the leaders are appos ted. But, zeneally speaking, any dealer is it liberty form a company and make one. The indifilual in whose name it is raised is ec sidered Is the leader, unless he appoint some one else a lis place. When a number of merchunts sociate together in the design, hey eleet a chicf, oil appoint officers to decide whatever contro*sies may arise during the journcy. (For fiurere details with respect to caravans, see the Hxdern Part of the Universal History, vol. xiv. pp. 11-243; Robertson's Disquisition on Ancicnt rdia, note 54 ; Rees's Cyelopadia, art. 'Caravan,' sto of which is copied from Robertson, though thou a single word of acknowledgment; Burckwh's Travels in Arabia, vol. ii. passim ; Uryuhart Thurkey and its Resources, pp. 137, 151 ; VamT's's Travels in Bokhara; \& C .)
(ALRAVANSERA. A large public building or inn appropriated for the reception and lodirment of the caravaus. Though serving in licu of inns, there is this radical difference between themthat, generally speaking, the traveller finds nothing in a caravansera for the use either of himselt or his cattle. He must carry all his provisions and nccessaries with him. They are chielly built in dry, barren, desert places, and are mostly furmished with water brought from a great distance and at a vast expense. A well of water is, indeed, indispensable to a caravansera. Caravauseras are also numerous in cities, where they serve not only as inns, bat as shops, warchouses, and even exchanges.

CARAWAY-SEED (Fr. carvi, cumin des prés; Ger. keummel, brodkummel ; Ital. carvi ; Span. alearavea). A small seed, of an oblong and slender figure, pointed at both ends, and thickest in the middle. It is the produco of a bicnnial plant (Curun earui), Nat. Order Unibellifera, with a tuper root like a parsnip, but much smaller. It should be chosen large, new, of a good colour, not dusty, and of a strong, agrecable smell. It is principally used by confectioners, and is extensively cultivated in several parts of Essex. The Russian liqueur kummel derives its flavour from the caraway seel.
This plant is a native of southern Europe, but it has been naturalised in most countries, growing wild as well as being cultivated: The root improved by culture is edible, and is used for food in northern Europe. In 1866, 13,793 ewts. were imported into England, almost entirely from Holland, and were valued at $11.15 s$ s. $4 d$. per ewt.
CARBON, BISULPHIDE OF. (Dictionary of Manufactures.)
CARBONATE. [Diamond.]
CARBUNCLE (Ger. karfunkel; Fr. escarboukle; Ital. carbonchio ; Span. carbunculo; Lat. carbunculus). A precious stone of the garnet kind, of a very rimh glowing blood-red colour, highly estecmed by the ancients. The term carbuncle among jewellers is applied to such garnets as aro cut en cabochon, i.e., with a flat base, and a smooth convex top. If they are pure, of large size, and are free from spots, they arc, says Mr. Emanuel, occisionally worth as much as 200.
CAKD (Fr. cardes; Ger. kardiatschen, karden, wollkratzen ; Ital. cardi; Russ. bardit; Span. cardas). An instrument, or comb, for arranging or sorting the hairs of wool, cotton \&c. Carls are cither fastencel to a flat piece of wood, and wrought by the hand; or to a cylinder, and wrought by ma hinery; or are made to move over 2 cylinders. The spikes with which carding cloth is armed range from fine wire, used to hackle delicate tissuce, to strong wire, employed to dress coir \&e. The machinery by which carding cloth is manufactured is very elaborate.
CARDAMOMS (Fr. cardamomes; Ger. karlamom ; Ital. cardamomi ; Span. kardanomas; IIind. gujarati elachi ; Arab. ebil ; Chinese, peh-tau-kau). This spice, the name of which is derived from the Greeks, has been imported from the East into Europe uninterruptedly for many centuries. It was known to our forefathers under the name of grains, or grains of Paradise, and was the cheapest of the Oriental spices introduced by the Italian merchants into mediaval Europe. (Regers's Agriculture and Prices in Enqland, vol. i. p. (609.)
The spice is the seed of various kinds of Scitaminex, as the Elettaria major, Amomum cardamomum, Amomum ungnstifolium, Amomum grana Paradisi, and especially Eletturia cardamomum. The first of these, according to Dr. Percira, is the produce of Ceylon. The pod contains numerous angular, rug-
ged, yellowish-red seeds, which have a peculiarly fragrant odour. The second, which is identified with the " $\mu \mu \mu \mu \nu$ of Dioscorides, and is the 'round carlamom' of commerce, growe in Sumatra, Java, anil other East Indian islands. The capsules, rather smaller than a cherry, contain a number of cunciform seeds. Sometimes the capsules are sent into the market in their native clusters, and then form the Amomum racemosum, or amome à grappes of the French. This kind is chiefly sent to the south of France. The third or Java cardamom is of very inferior quality. The fourth is obtaincil from Madagnscar, where it grows in marshy ground. The tifth, known also as Guinea grains, grains of Paradise, or Mnleguetta pepper, are obtained from western Africa, are strongly hot and peppery. are of a ruund or ovate form, often angular and cunciform, rough, brown externally, and white within. They have but a feeble aromatic odour. Similar seeds have been sent from Trinidad, and nre probably to be procured from other West Indian islands. They are chictly used in veterinary practice, and to gi ve a factitious strength to beer and spirits. The various plants, in short, called Scitaminea have a wide gengraphical range within the tropics.
The true cardamom of pharmacy is the last named. The fruit is a three-celled capsule, contnining many seeds.
The plant is a native of the Malabar mountains. When the forests and undergrowth are removed, it springs up everywhere spontancously. It yields fruit at the end of the fourth, and conti nues to bear for many years. The ripe capsules are colIceted, dried over a gentle tire, and then rubbed by the hands from the foot-stalk and calyx. They contain numerous small nagular, irregular, rough, brown seeds. The seeds are about 74 per cent. in weight.

According to Percia, three varicties are distinguished in British commeree-shorts, longlongs, and short-longs-the distinctions being founded on the shape of the capsules.
It is said, and with obvious probability, that the purchase of the seed collected by the natives is made a Government monopoly, the agents sent to collect the produce putting a fixed price on the article, and selling it to the merchants at enhanced rates. Such a custom is very general in the East, num ought assuredly to be put an end to.
Cardamoms are used in cookery as an ingredicnt in curries, and largely in medicine. The consumption of this article is very considerable among Eastern nations. They should be kept whole, as they lose their virtues in powder. These virtues depend on a peculiur volatile oil, which when extractel, though air be carefully excluded, loses its peculiar odour and taste. (Wood and Bache's Dispensatory.)
CARDS or PLAYING CARDS (Dutch, kaarten, speelkarden; Fr. cartes a jouer; Ger, knrten, spiel knrten; Ital. carte da giuoco; Russ. kartu; Span, carras, nnipes; Swed. kort). The only thing necessary to be noticed in this place with respeet to cards is the regulations as to their manufacture, sule, and the payment of the duty.
It was regulated by the 9 Geo. İV. c. 18 , that an amuual license duty of 5s. shali be paid by every maker of playing eards and dice. The duty on every pack of cards wns 1s., and was to be specilicd on the ace of spades. Cards were not to be made in any part of Great Britsin except the metropolis, nor in Ireland except in Dublin and Cork, umler a penalty of 1001 . Cards are to be enelosed in wrappers, with such marks ns the Commissiuners of Stamps may appoint. Before license can be had, bond must be given to the amount of

500t. for the payment of the duties \&c. Selling or exposing to sale any pack of cards not duly stamped, subjected a licensel maker to a penalty of 501., and any one else to a penalty of 101. Any person having in his possession, or using, or permitting to be used, any pack of eards not duly stsmpel, to forfcit 51 . Second-liand cards may be sold ly any person, if sold without the wrapper of a liccused maker; and in packs contrining not more than 52 cr.rds, including an act of spades duly stamped, and eaclosed in a wrapper with the words 'Sccond-laand Cards' printed or written in distinct characters on the outside; penalty for selling second-hand cards in any other manner, 201.
The former duty of 1 s. per pack on cards produced, in 1861, the sum of $13,63 \pi I$.; showing that 272,740 packs had been disposed of. But in 1862 the stamp duty was reduced to $3 \boldsymbol{d}$. a pack. At the same time the license of cardmakers was ruised, in case the maker also sold them, from 5s, to 11 . Dealers only previous to the Act of 1862 exempt from license pay 2s. 6d. Since the change the produce of the stamp duty has been very uniform, being a little less on the average than 9,000 l., the license duty yielding 1,0401 . in 1866-7. The customs duty on foreign playing cards is 3 s .9 d . per dozen packs.
CARMLN, of the city of London, are constituted a fellowship by aet of common council. The rates which they are allowed to charge, and the regulations by which they are to be guided, are settled at the quarter sessions. In other respects they are subjected to the rule of the president and governurs of Christ's Hospital, to whom the owner of every cart pays an annual litense duty of 17 s .4 d .

Carmen are to help to load and unload their carts; and if any carman exacts more than the reguinr rates, upon due proof, beforo the Lord Mayor or any two magistrates, he shall suffer imprisonment for the space of 21 days.
If any person shall refuse to pay auy carman his hire, aecording to the regular rates, upon complaint made, the president of Christ's Hospital, or a justice of the peace, may compel payment.
Merchants or other persons may cloose what cart they please, except such as stand for wharfwork, tackle-work, crane-work, at shops and merchants' houses, which are to be taken in turn; and every carman stunding with his empty cart next to any goeds to be loaded shall, upon the first demand, load the same for the accustomed rates; and if any person shall cause a carman to attend at his house, shop, warehouse, or cellar, with his loaded cart, the carman being willing to heip to unload the same, he shall pay the carman after the rate of $12 d$. for every hour after the first halt hour for his attendance.
Every licensed carman is to have a piece of briss fixed upon lis cart, upon which is to be engraven a certain number; which number, together with the carman's name, is registered in a register kept at Christ's IIospital; so that, in case of any misbelaviour, the party offended, by taking notice of the number of the cart, may search for it in the register, and the name will be found.
Carmen not conforming to these rules, or working without a numbered piece of brass fixed on the cart, may be suspended from their employment.
Carmes: riding upon the shafts of their carts, or sitting within them, not having some person on foot to guide the horses, shnll forfcit 10 s.
CARMINE (Ger. karmin; Dutch, karmyn; Fr. earmine ; Ital. carminio ; Lat. carminium). A powder of a very beautiful red colour, bordering upon purple, and used by painters in ninininture. It is a succies of lake, and is formed of fincly pulverised
cochineal.
been consi
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CARNEI
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seed in the
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of the Legi hannisbrodb robe ; Ital. c carob tree and all the almost the 0 a sweet, nut article of hu They are pri southern co Asiatic Turk for cattle an used to a sr paration of al of Cyprus $\mathbf{a r}$ devoted to tb sale of carobs ment monops years since t In 1852, 27, island; and 7, 087 tons, of wild in Cypru in the district trees sre found and other sour
CARPET,
tapyten, vloer Spnn. alfombr alcatifas; Rus: and Turkish c England, carpe Kilderminster, cester, Worces land, at Glasgo nt $\Lambda \times m i n s t e r$ anything, infer In 1866 there carpets and dr Kingdom, valu ous and instru \&c. in connecti Mr. Digby Wy Parliament 180 CARRLAGE
GARRIEISS.
carry goods fro Proprietors o owners of ships ferrymen \&c. a The master of a sengers for hire undertake to ca is liable for bot! master-General ceptation of the liabilities.

1. Duties and are bound to $r$ persons for a r proper care of $t$ them safely, anc they were recei may arise from mies) ; or, in de tion to the owne goods may have that might have Ilence a carric the goods, or the

## CARNELIAN

## CARRIERS

cochincal. It is high priced, but its value has been considerably affected by the discovery of aniline colours.

## CARNELIAN. [Agate.]

CAROB BEANS or LOCUST BEANS. The seed in the pods of the carob tree, the Ceratonia siliqua, St. John's bread; one of the Natural Orier of the Leguminosce. (Syn. Ger. karobbnum, Johannisbrodbaum; Span. algarrobo; Port. algarrobe; Ital. carrubio, caruba; Arab. klaroob.) The carob tree grows in southern Europe, in Asia, and all the Mediterranean coasts. At Malta it is almost the only tree that grows. The pods contain a sweet, nutritious pulp, and are used as a comnion article of human food where the tree is a native. They are principally used, however, in most of the southern countrics of Etrope, and in Egypt and Assatic Turkey, as a nutritious and fattening food for cattle and horses. They are at present also used to a small extent in England in the preparation of artificial food for cattle. In the island of Cyprus great attention has of late years been devoted to the cultivation of the carob tree. The sale of carobs in that. island was formerly a Government monopoly, but since its abolition about 40 years since the production has largely increased. In $1852,27,000 \mathrm{cwt}$. were exported from the islaod; and in 1864 the export had increased to 7,087 tons, of the value of 31,5001 . The tree grows wild in Cyprus, but is more particulnrly abundant in the districts of Limassol and Kerinca : the finest trees are found at Lefcara. (From Consular Reports and other sources.)
CARPET, CARPETS (Ger. teppiche; Dutch, tapyten, vloer-tapyten; Fr. tapis; Ital. tnppeti; Span. alfombras, alcatifns, tapices; Port, tapetes, alcatifas; Russ, kowru, kilimi). Indian, Persian, and Turkish carpets are the most estecmed. In England, carpets are principally mnnufnctured at Kitderminster, Durham, Halifax, Wilton, Cirencester, Worcester, Axminster \&cc. ; and in Scotland, at Glasgow and Kilmarnock. Those made at Axminster are believed to be very little, if anything, inferior to those of Persia and Turkey. In 1866 there were exported $7,600,511$ yards of carpets and druggets, the produce of the United Kingdom, valued at $1,217,682 l$. (For much curious and instructive matter on carpets, t.1pestry \&c. in connection with the Paris Exhibition, see Mr. Digby Wyatt's Rcport, in vol. ii., presented to Parliament 1868.)

CARRIAGES. [Coaches.]
CARRIERS. Persons undertaking for hire to carry goods from one place to another.

Proprietors of carts and waggons, masters and owucrs of ships, hoymen, lightermen, bargemen, ferrymen \&c. are denominated common carriers. The master of a stage coach who only carries passengers for hire is not liable for goods; but if he undertake to carry goods and passengers, then he is liable for both as a common carricr. The Post-master-Genernl is not a carrier in the common aceeptstion of the term, nor is he subjected to his liabilities.

1. Duties and Liabilities of Carriers.-Carriers are bound to receive and carry the goods of all persons for a reasonable hire or rewnrd; to take proper care of them in their passage; to deliver them safely, and in the same condition as when they were received (excepting only such losses as may arise from the act of God or the queen's encmies) ; or, in default thereof, to make compensation to the owner for whatever loss or damage the goods may have received while in their custody, that might have been prevented.
Hence a carrier is liable, though he be robbed of the goods, or they be taken from lim by irresistible
force; and though this may seem a hard rule, yet it is the only one that could be safely adoptcd; for if a carrier were not liable for losses unless it could be shown that he had conducted himself dishoneatly or negligently, a door would be opened for every species of fraul and collusion, inasmuch as it would be impossible in most cases to ascertain whether the facts were such as the carrier represented. On the same principle a carrier has been held accountable for goods accidentally consumed by fire while in his warehouse. In delivering the opinion of the Court of King's Bench on a case of this sort, Lord Mansfield said-'A carrier, by the nature of his contract, obliges himself to use all due care and diligence, and is answerable for any neglect. But there is something more imposed upon him by custom, that is, by the common lnw. $A$ common carrier is in the nature of an insurer. All the cases show him to be so. This makes him liable for everything except the act of God and the king's encmies; that is, even for inevitable accidents, with those exceptions. The question, then, is, What is the act of God? I consider it to be laid down in opposition to the act of man; such as lightning, storms, tempests, and the like, which could not happen by any heman intervention. To prevent litigation and collusion, the law presumes negligence except in those circumstances. An armed force, though ever so great and irresistible, does not excuse ; the reason is, for fear it mny give room for collusion, which can never happen with respect to the act of God. We all, thercfore, are of opinion that there should be judgment for the plaintiff:' (Forward v. Pittard, 1 T. R. 27.)

A carrier is not obliged to have a new carriage for every journey: it is sufficient if he provide one thnt, without auy extraordinary accident, may be fniriy presumed capable of performing the journey.

A carrier may be discharged from his liability by any fraud or concealment on the part of the individual employing him, or of the bailor; as if the latter represent a parcel as containing things of little or no value, when in fact it contains things of great value. But when the carrier has not given a notice limiting his responsibility, and when he puts no questions with respect to the parcel to the bnilor, the latter need not say anything with respect to it; and though the bailor should represent the thing delivered to the carrier as of no value, yet, if the latter know it to be otherwise, lie will be responsible in the event of its being lost or damaged. If the bailor deliver goods imperfectly packed, and the carrier does not perceive it, he is not liable in the event of a loss occurring; but if the defect in the package were such that the carrier could not but perceive it, he would be liable. On this principle a carrier was made to answer for the loss of a greyhound that had been improperly secured when given to him.

A carrier mny refuse to admit goods into his warehouse at an unseasonable time, or before he is ready to take his journey; but he cannot refuse to do the ordinary duties incumbent on a person in his situation.

It is felony if a carrier open a parcel and take goods out of it with intent to steal then ; and it has been decided that if goods be delivered to a carrier to be carried to a specified place, nnd he carry them to a different place, and dispose of them for his own profit, he is guilty of felony; but the embezzlement of goods by a carrier without a felonious taking mercly exposes to a civil netion.
No carricr, waggonman, carman, or wninman, witl their respective carriages, shall travel on Sundays, under a penalty of 20s. (3 Cli. I. c. 1.)
A carrier is alwnys, unless there be an express agreement to the contrary, entitled to a reward for
his caro and tronble. In some cases his reward is regulated by the Legislature, and in others by a specinistipulation between the parties; but though there be no legislative provision or express agreement, he cannot claim more than a reasonable compensation.
2. Limitation of Responsibility.-Until the Act of 1830 a currier might, by express stipulation, giving publie notice to that effect, discharge his liability from all losses by robbery, accilent, or otherwiso (except those which aroso from misfeasance and gross negligence, from whieh no stipulation or notico could exempt him), and provided the notice did not contravene the express conditions of an Aet of I'arliament.

Notices generally bore that tho carrier would not be responsible for more than a certain sum (usually 5 l.) on any one parcel, the value of which had not been deelared and paid for accordingly ; so that a person aware of this notice, entering a box worth 1,0001 . withont declaring its value, or entering it as being worth 2001 ., would, should it be lost, have got in the first case only 5 ., and in the latter only 2001 ., unless lo could have shown that the carrier had acted fraudulently or with gross negligence. Hut, to avail himself of this defence, the carrier was bound to show that the bailor or his servant was acquainted with the notice at the time of delivering, the goods. No particular manner of giving notice was required. It might. be done by express cemmanication, by fixing it up in a conspicnous place in the carrier's office, by insertion in the public papers or Gazette, by the cireulation of handbills de.; it being in all cases a question for the jury to decide whether the bailor was really acquainted with the notice of the limitation; since, if bo were not, ho was entitled to recover, whatever efforts the carrier may have made to plibiish it. 'Thus, a notice stuck up in a carrier's warchouse, where goods were delivered, was of no avail against parties who could not read; neither was it of any avail against those who could read, and who had seen it, unless they had aetually read it. On this principle it was held that a notice in a newspaper is not sufficient, even when it was proved that the bailor read the newspaper, unless it could also be proved that he han read the notice itself.

These attempts to limit responsibility gave rise to a great deal of litigation and nncertainty; and to obviate the inconveniences thence arising, the important statute 1 Wm IV. c. 68 was passed. l'his Act declares that carriers by land shall not be liable for the loss of eertain articles specified in the Act, when their value exceeds 101 , unless the nuture ruul ralue of such articles be stated at the time of their delivery to the carrier, and an increased elarge paid or agreed to be paid upen the sime. It is further declared that no publication of any notices by carriers shall have power to limit their responsibility at common law for all other articles except those specified in the let. But as the Aet is of great importance, we subjoin it.

From and after the passing of this Act, no mailcontractor, stage-coach proprictor, or other common carrier by land for liire, shall be liable for the loss of or injury to any article or articles or property of the deseription following, viz. gold or silver coin of this realm or of any foreign state, or any gold or silver in a manufactured or unmantufactured state, or any precious stones, jewellery, watches, clocks, or timenicces of any description, trinkets, bills, notes of the Governor and Company of the Banks of England, Scotland, and Ireland respectively, or of any other bank in Great Britain or Ireland, orders, notes, or securities for payment
of money, Figlish or foreign stamps, maps, writings, title-deeds, paintings, engravings, pictures, gold or silver plate or plated artieles, glasn, china, silks in a manufnctured or unmanufactured state, and whether wrought up or not wronght up with other materials, furs, or lace, or any of them, contained in any parcel or packago which sluall have been delivered, either to be carried for hire or to accompany the person of any passenger in any mail or stage coach or other public eonveyance, when the value of such article or articles or property aforesaid centained in such parcel or package shall exceed the sum of 101 ., unless at the time of the delivery thereof at the ollice, warehouse, or receiving house of such mail contractor \&c. the value and naturo of such article or articles or property shall have been declared by the person or persons sending or delivering the same, and sneh increased charge as hercinafter mentionel, or an engagement to pay tho same, be accepted hy the person receiving such pareel or package, (See. 1.)
When any parcel or package containing any of the articles above specifted shall be so delivered, and its value and contents declared as aforesaid, and such valuo shall exceed the sum of 101 , it shall be lawful for such mail contractors, stage coach proprictors, and other common carriers to demand and receive an incrensed rate of charce, to be notitiel by some notice, affixed in legible characters in some public and conspicuous part of the effice, warchouse, or other receiving house. where such parcels or packages are received ly them for the purpese of conveyance, stating the increased rates of charge required to be paid over and above the ordinary rate of carriage, as a compensation for the greater risk and care to be taken for the safe conveyance of such valuable articles; and all persons sending or clelivering parcels or packages containing such valuablo articles as aforesaid at such oflice shall be bound by such notice, without further proof of tho same having come to their knowledge. (Sec. 2.)

Provided always, that when the value shalt have been so declared, and the increased rate of chargo paid, or an engagement to pay the same shall have been acceptel as hereinbefore inentioned, the person receiving such inereased rate of charge or aceepting such agreement shall, if required, sign a receipt for the package or parcel, aeknowledging the same to havo been insured, which receipt shall not be liable to any stamp dnty; and it sneh receipt shall not be given when required, or such notice as aforesaid shall not have been affixed, the mail contractor, stage coach proprietor, or other common carrier as aforesaid, shall not have or bo entitled to any benefit or advantage under this Act, but shall be liable and responsible as at tho common law, and be liable to refind the increased rate of charge. (Sec. 3.)

And be it enacted, that from and after the 1st day of' September 1830, no publie notice or declaration heretofore made or hereafter to be made shall be deemed or construed to limit or in any wise afleet the liability at common law of any such mail contractors, stage eoach proprietors, or other public common carriers as aforesaid, for or in respect of any articles or goods to be carried and conveyed by them; but that all and every such mail contractors, stago coach proprictors, and other common earriers as aforesaid shall, from and alter the said 1st day of September, be liable, as at the common law, to answer for the loss of any injury [so in the Act] to any articles and goods in respect whereof they may not be entitled to the benefit of this Act, any public notice or declaration by them made and given contrary thereto, or in
anywise lim (See. 4.) And be it of this Aet, honse, which mail contrac other such ed parcels to bo deemed and warchonse, or coach proprie that any one stage coach pr bo liable to be names only; a to recover dam
paekage, or pe joining any mail, stage coac land for lire as
Provided alw nothing in this construed to ann contract betweer proprictor, or co ies, for the conv: (Sec. 6.)
lrovided also, Where any parcel livered at any su tents leclared as of charges been $p$ shall have been titled to rccover or damare shall such increased cl andlition to the va
(Sec. 7.) (Sec. 7.)
Provided also, a nothing in this $A$ any mail contract other common car answer for loss or whatsoever, arising coachman, guard, servant in his or th such coachman, gu vant, from liabilit sionerl by his or the contluct. (Sec. 8.)
Provided also, a such mail contract other common earr cluded as to the va age by the value so be or they shall in from the party suin jury, proof of the a the ordinary legal contractors, stage er mon carriers, as afo damages only as sh not execeding the do increased charges a: And be it further be brought against the defendant or de into court. (See. 14 It will be observe rithstanding this felomious aets of the feasance or gross ne however, to lay doy circumstances whi Differing as they question, when rai But it has been deci
anywise limiting such liability, notwithstanding. (Scc. 4.)

And be it further enacted, that for the purposes of this Aet, every oflice, warchouse, or receiving hotase, which shatl be used or appointed by any mail contractor, or stage coach proprictor, or other such common carrier, for the receiving of parcels to be conveyed as aforesaid, shall be deemed and taken to be the recciving honse, warehouse, or otllee of such mail contractor, stage coneh proprictor, or other common carrier; and that any one or more of such mail contractors, stage coach proprictors, or common carriers, shall bo liable to be sued by lis, her, or their name or names only; and that no action or suit commenced to recover damages for loss or injury to any parcel, package, or person, shall abate for the want of joining any co-proprictor or co-partner in such mail, stage coach, or other public conveyance by land for hire as aforesaid. (Sce. 5.)

Provided always, and be it further enacted, that nothing in this Act contained shall extend or be construed to annul or in anywise affect any special contract between such mail contractor, stage eoach proprictor, or common carricr, and any other parties, for the conveyance of goods and merchandises. (Scc. 6.)

Irovided also, and be it further enacted, that where any parcel or package shall have been delivered at any such office, and the value and contents declared as aforesaid, and the increased rate of charges been paid, and such parcels or packages shall have been lost 0 - clamaged, the party entitled to recover damag is in respect of such loss or damage shall also te entitled to recover back sach inercased charges so paid as aforesaid, in addition to the value of such parcel or package. (Scc. 7.)

Provided also, and be it further enacted, that nothing in this Act shall be deemed to protect any mail contractor, stage coach proprictor, or other common carrier for hire, from liability to answer for loss or injury to any goods or articles whatsoever, arising from the felonious acts of any coachman, guard, book-keeper, porter, or other scrvant in his or their employ, nor to protect any such coachman, guard, book-keeper, or other servant, from liability for any loss or injury occasioned by his or their oun personal neglect or misconduct. (Sec. 8.)
lrovided also, and be it further enacted, that such mail contractors, stage coach proprietors, or other common carriers for hire, shall not be concluded as to the value of any such parcel or package by the value so declared as aforesaid, but that he or they shall in all cases be entitled to require, from the party suing in respect of any loss or intjury, proof of the actual value of the contents by the ordinary legal evidence; and that the mail contractors, stage conch proprictors, or other common carriers, as aforesaid, shall be liable to such damages only as shall be so proved as aforesaid, not exceeding the declared value, together with the increased charges as before mentioned. (Sec. 9.)
And be it further enacted, that in all actions to be lurought against any such mail contractors \&c., the defendant or defendants may pay the moncy into court. (Sec. 10.)
It will be observed that carriers continue, notwithstanding this Act, liable, as betore, for the felonious acts of their servants, and their own misfeasance or gross negligence. It is not possible, however, to lay down any general rulo as to the cirenmstances which constitute this offence. Differing as they do in almost every case, the question, when raised, must de left to a jury. But it has been decided, that the misdelivery of a
parcel, or its non-delivery within a reasonable time, is a misfcasance that camnot be defeated by any notice on the part of the carricr limiting his responsibility. In like manner, the scolling of a parcel by a different coach from that directed by the bailor, the removing it from one carriage to another, are misfeasances. Where a pareel is directed to a person at a particular place, and the carrier, knowing such person, delivers the parcel to another who represents himself as the consignee, such delivery is gross negligence. Leaving parcels in a coach or cart unprotected in the street is also gross negligence.

At common law, there is no distinction between carriage performed by sea or land; but by the 7 Geo. 11. c. 15, and 2tG Geo. IlI. c. 86, correete and amendel by the 53 (Geo. III. c. 159 , it is enacted that ship owners are not to be liable for any loss or clamage happening to goods on board through the fraud or negleet of the master, without their knowledge or privity, further than the value of the vessel and the freight accruing during the voyage. [Owners.]
3. Comneneement and Termination of Liability,A carrier's liability commences from the time the goods are actually delivered to him in tho character of carrier. A delivery to a carrier's servant is a delivery to himself, and he will be responsible. The delivery of goods in an inn yard or warehouse, at which other carricrs put up, is not a delivery so as to charge a carrier, unless a special notice be given him of their having been so delivered, or some previous intimation to that effect.
A carrier's liability ceases when he vests the property committed to his charge in the hands of the consignee or his agents by actual delivery; or when the property is resumed by the consignor, in pursuance of his right of stopping it in transitu. It is in all cases the duty of the carrier to deliver the goods. The leaving goods at an inn is not a sufficient delivery. The rule in such cases, in deciding upon the carrier's liability, is to consider whether anything remains to be done by the carrier as such; and if nothing remains to be done, his liability ceases, and conversely.
A carrier has a lien upon goods for his hire. Even if the goods be stolen, the rightful owner is not to have them withont paying the carriage.
In order to obviate any risks which might be incurred on the part of the public in consequence of the aetual monopoly possessed by railway and canal companies, whose interests are now generally united, the Railway and Canal Traflic Aet was passed in 1854 ( 17 \& 18 Vict. c. 31 ), at dinter alia provided: That every railway and canal ecanpany shalt be liable for the loss of or any injury done to any horses, cattle, and other animals, or to any niticles, goods, or thiugs in the receiving, forwarding; or delivering thereof, occasioned by the neglect or default of such company or its servants, notwithstanding any notice, condition, or dectaration made or given by such company contrary thereto or in anywise limiting such liability-cvery such notice, condition, or declaration being hereby declared to be null and yoid ; provided always, that nothing herein contained shall be construed to prevent the sail companies from making such conditions with respect to the receiving, forwarding, or delivering of any of the said animals, articles, and goods or things as shall be adjudged by court or judge before whom any questiou relating thereto shall be heard, to be just and reasomable. It then provides that the maximum value of a horse shall be $50 l$., of eattle $1 \bar{j} i$., of shecp or pigs per head 2l., unless a previous derlaration should be made of higher value, in which case the company may demand a reasonable per centage in ad-
dition to cover the extra risk : proof of the value to lie on the claimant. It then provides that no special contract between such company and any other parties respecting the receiving, forwarding, or delivering of any animals, articles, goods, or things as aforesaid, shall be binding upon or affeet any auch party unless the same be signed by him or by the person delivering such animals, articles, goods, and things respectively for carriage.

The following interpretation was put ty ChiefJustice Jervis on this clause, which is confessedly obscure: 'The fair meaning of this section, as it seems to me, is this: the first l, ranch of it declares that all notices, conditions, and declarations madc and given by the company shall be null and void in so far as they go to release the company from liability for loss or injury to goods sc. in the receiving, forwarding, and delivering thereof, occasioned by the neglect or default of the company or its servants. But then it goes on to provide, in the next branch, that this shall not prevent the company from making such conditions, which shall be adjudged by the court or judge before whom any question relating thereto ahall be tried, to be just and reasonable ; and further, though just and reasonable, such condition or special contract shall not be binding unless signed by the person sending or delivering the goods. The result seems to be this: a general notice is void; but the company may make special contracts wi:h their customers, provided they are just and reasonable, and signed; and whereas the monopoly created by railWhy companies compels the public to employ them in the conveyance of their goods, the Legislature have thought fit to impose the further security that the court shall see that the condition or special contract is just and ressonable.' The Court of Exchequer took a different view, and held that the first part of the Act applies only to notices, conditions, and declarations by the company; and that the partles were, by a special contract signed by the person sending the goods, at liberty to make whatever arrangements they pleased; and where there was such a signed and special contract, the question of reasonableness and unreasonableness of its terms did not arise. Ulimately the Court of Exchequer Chamber overruled this decision of the court below, and adopted and confirmed Chief Justice Jervis's construction. (Smith's Mercantile Law, ed. 1865, p. 290.)
For further details as to this subject sce Jeremy On the Law of Carriers, passim; Chitty's Commercial Law, vol. iii. pp. 369-386 ; nnd Smith's Mercantilc Law. There are some excellent observations with respect to it in Sir William Jones's Eissay on the Law of Bailments. (For an account of the regulations as to the eonveyance of passengers in stage coaches, ace Concheb, Stage.)
CARRO'' (Dancus carota, Linn.) (Fr. carotte; Ger. gemeinc mahre, gelle rube; Ital. carota; Span. zanahorin). A biennial plant, a native of Britain. Though long known as a garden plant, its introduction into agriculture has been comparatively recent. The uses of the carrot in domestic economy are well known. It is extensively cultivated in Suffolk, whence large quantities are sent to the Loadon market. Horses are remarkably fond of carrota. In 1866, 426 cwt . of carrot seed were imported into the United Kingdom.

CARTS. Every cart \&c. for the carringe of anything to and from any place, where the streets are paved, within the bills of mortality, shall contain 6 inches in the felly. No person shall drive any cart, waggen \&c. within 5 miles of the General Post Office, unless the name, surname, and place of abode of the owner be painted in conspicuous letters, at least 1 inch in height, on the
right or off slde thereof, under a penalty of 51. Any person may seize and detain any cart, waggon \&c, without such mark, ( $1 \& 2 \mathrm{Wm}$. IV. c. 22.)

CASCARILLA. [BAnk.]
CASII. In Commerce, the ready money, bills, drafts, bonds, and all immediately negotinble paper in an indivilual's possession. [Canton.]

CASII ACCOUN'T. In Book-keeping, an account to which nothing but cash is carricd on the one hand, and from which all the disbursements of the concern are drawn on the other. The balance is the cash in hand. When the credit side more than balances the debit or disbursement side, the account is said to bo in cash; when the contrary, to be out of cash.

Cash Account. In Banking, the name given to the necount of the advances made by a banker in Scotland to an individual who has given security for their repayment. [BANks (Scotch).]

CASHEW NU'TS (Ger. akajunusse, Westindische anskarden; Duteh, catajoeneoten; Fr. noix d'acajou; Ital. acaju; Span, nueces d'acaju; l'ort. nozes d'acaju). The produce of the Anacardium orcidentale, a native of the West Indian Islands and tropical America. They are externally of a greyish or brownish colour, of the shape of a kidney, somewhat convex on the one side, and thepressed on the other. The shell is very hard; and the kernel, which is sweet and of a very fins Havour, is covered with a thin film. Between this and the shel! is lodged a thick, blackish, inflammable oil, of such a caustic nature in the fresh nuts, that if the lips chance to touch it, blisters immediately follow. The kernels are used ia cooking, and in the preparation of chocolate.

CASPIAN SEA. [Taganiog.]
CASSIA. There are 4 species of cassia in the market, viz. Cassia lignea or Cassia Bark; Cassia fistula; Cassia Buds; and Cassia Senna.

1. Cassia lignea, or Cussia Bark (Fr. casse; Ger. cassia ; Port. cassia lenhosa; Arab. selcekeh; Hind. tuj ; Malay, kayu-legi). The bark of a tree (Laurus cassia, Linn.) growing in Sumatra, Borneo, the Maldbar coast, Philippine Islands \&c.; but chietly in the provinces of Quantong and Kingsi, in China, which furnish the greatest part of the cassia met with in the European markets. The tree grows to the height of 50 or 60 feet, with large, spreading, horizontal branches. The bark resembles that of cinnamon in appearance, smell, and taste, and is very often substituted for it; but it may be readily distinguished; it is thicker in substance, less quilled, breaks shorter, and is more pungent. It should be chosen in thin pieces; the best being that which approaches nearest to cimamon in flavour: that which is small and broken should be rejected. A good deal of the cassia in the Indian markets is brought from Borneo, Sumatra, and Ceylon. Malabar cassia is thicl.er and darker coloured than that of China, and more subject to foul packing : eneh bundle should ive separately inspected. (Ainslic's Materi. Indica; Milburn's Orient. Com. ; \&c.)
2. Cassia Buds, the dried fruit or berry of the tree (Laurus cassia) which yields the bark deacribed in the previous article. They bear some resemblance to a clove, but are smaller, and, when fresh, have a rich einnamon flavour. They should be chosen round, fresh, and free from sralk or dirt. Cassia buds are the produce of China. (Milburn's Orient. Com. ; Anglo-Chinese Kalendar; and Parl. Paper No. 257, Sess. 1843.)
3. Cassia fistula (Fr. casse; Ger. rhonkasie; Ital. polpa di cassia; Lat. cassiæ pulpa; Arab. khyar sheber) is a tree which grows in the East and West Indies, and Egypt (Cassia fistula, Linn.).

The fruit is a thlekness of length. Thos principally fror and cases; but East Indies, a smaller smooth of the pulp. 8,747 exported. 4. Cassia Sen The duties ot 1b. They are I In 1866 the ir $78,048 \mathrm{lbs}$. and buds are worth per ewt. The $i$ were $349,449 \mathrm{lb}$ 5l. 4s. 7d. per 4l. 18s. 6al. Of ported from IIoll

CASTOR (Er. toreunt; Duteb, b Ital. castoro; S the beaver. In $t$ mal are found fo on each side: in tained a softish, substance, which,
dry and brittle, dry and brittle, a castor. It has a smell, not unlike
subacrid taste. subacrid taste. T
is obtained in an is obtained in an
years it has been found in the shol The goodness of $\mathbf{c}$ sible qualitica: th inodorous, oily, as to be sometimes co some gummy and with castor; but In 1866 the impor 1,1221 ; the exports CASTOR OIL ( sohl; Ital. olio "li is obtained from the or Palma Christi, a tropical countries, Spain \&c. The oj cither by boiling th them to the action
thourh the largest though the largest cured by the first more apt to becom by expression, whic cess now most com pressed castor oil is but the best leaves a in the throat after it and heavier than transparent, and eo strsw coluur. That the seeds has a brot when they become colour to a reddish nauscous taste. It i in the materia medic Dispensatory.)
The duty of 1 s .3 d repealed in 1845 . In to 23,037 cwt., nnd th
Ca'TECHU (Fr. cutt ; Mal. gambir). Wood of the Acacia prodnces it is a small growing abundantly i empire. It is said to

## CASTOR

The fruit is a woody, dark brown pod, about the thickness of the thumb, and nearly 2 feet in length. Those brought to this country come principally from the West Inclies, packed in casks and cases ; but a superior kind is brought from the East lndies, and is ensily distinguished by its smaller smooth pod, and by the greater blackness of the pulp. In $1866,14,321 \mathrm{lbs}$. were imported, 8,747 exported. (British Pharmacopœia, 1867.)
4. Cassia Senna. [Senva.]

Tho duties on eassia were $1 \frac{1}{20} d$. and $3 \frac{9}{20} d$. per lb. They are now repealed.

In 1866 the imports of eassia buls amounted to $78,048 \mathrm{lbs}$. and the exports to $22,88 \mathrm{l}$ lbs. Cassia buds are worth in the London market ubout 91 . per ewt. The imports of Cassia lignea in 1866 were $349,449 \mathrm{lbs}$., and its price from 41.15 s , to 51. 4s. 7d. per ewt.; that from China being 41. 18s. Gd. Of Cassia vera $115,782 \mathrm{lbs}$. were imported from Holland.

CASTOR (Fr. castoreum; Ger. bibergeil, kastoreunt; Dutch, beevergeil; Russ. babrowaja struja; Ital. castoro; Span. castoreo). The produce of the beaver. In the inguinal region of this animal are found four bags, a large and a small one on each side: in the two large ones there is contained a softish, greyish yellow, or light brown sabstance, which, on exposure to the air, becomes dry and brittle, and of a brown colour. This is castor. It has a heavy but somewhat aromatic smell, not unlike musk; and a bitter, nauseous, and sabacrid taste. The best eomes from Russia, and is obtained in autumn and winter, but of late years it has been very scarce; and all that is now found in the shops is the produce of Canala. The goodness of castor is determined by its sensible qualities: that which is black is insipid, inodorous, oily, and unfit for use. It is said to be sometinies counterfeited by a mixture of some gummy and resinous substances flavoured with eastor; but the fraud is easily detected. In 1866 the imports were $4,989 \mathrm{lbs}$., valued at $1,122 l$. ; the exports 3,696 lbs.

CASTOR OLL (Fr. huile du ricin ; Ger. rizinusohl ; Ital. olio di ricino; Span. aceite de ricino) is obtained from the seeds of the Ricinus communis, or Palma Christi, an annual plant found in most tropical countrics, and in Grecee, the south of Spain \&c. The oil is separated from the seeds cither by boiling them in water or by subjecting them to the action of the press. It is said that though the largest quantity of oil may be procured by the first method, it is less sweet, and more apt to become rancid, than that procured by expression, which in consequence is the process now most eommonly followed. Good expressed castor oil is ncarly inodorous and insipid, but the best leaves a slight sensation of acrimony in the throat after it is swallowed. It is thicker and heavier than the fat oils, being viscid, transpareat, and colourless, or of a very pale strsw colour. That which is obtained by boiling the seeds has a brownish hue; and both kinds, when they become rancid, thicken, deepen in colour to a reddish brown, and acquire a hot, nsuscous taste. It is very extensively employed in the materia medica as a eathartic. (Thomson's Dispensatory.)
The daty of $1 \mathrm{~s}, 3 \mathrm{~d}$. per cwt. on castor oil was repealed in 1845 . In 1866 the imports amounted to $23,037 \mathrm{cwt}$., and the exports to $6,103 \mathrm{cwt}$.
CA'TECHU (Fr. caehou; Ger. kaschu; ILind. cutt ; Mal. gambir). An extract prepared from the wood of the Acacia Catechu. The ueaciu which prolnces it is a small tree about 12 feet in height, growing abondantly in II indostan and the l3urmese empire. It is said to be also common in Jamalea.

The wond of the tree abounds in astringent matter which is extracted by boiling and inspissating the product. Before its source was discovered it was supposed to be a kind of earth. Hence its commercial name, terra juponica. After it was found to bo of vegetahle origin, it was taken to be an extract of the betel nut; but the real nature of the drug was first determined by Mr. Kerr, of the llengal Civil ILospital, an eye-witness of the manufacture. Catechu, or terra japonica, is also called cutch by the English traders, who lave derived this name from the IIindostance cutt.

Catechu has several uses. It has long been employed as an astringent melicine, being the most powerful of the kind. It is consumed in large quantities by the natives of tropical Asia, who mix the substance with a small quantity of lime and aromatic drugs, and wrapping it in the leaf of the piper betel, use it as a masticatory. It is used for this purpose in Franee, mado into small pills or lozenges.
But its most important economical use is as a dye and tanning drag. It owes these properties to the large amount of tannic acid it contains, amounting occasionally to more than half the weight of the oubstance. It is said that a pound of eatechu has as much tanning power as seven or eight pounds of oak bark.
Catechu is derived from many countries and in various forms. The following have been enumerated: 1. Cuke catechu, in quantities weighing from a few ounces to 2 pounds. This is resinous in its fracture, and bears marks of laving been inspissated in saucers or similar flat vessels. 2. l'egu eatechu, imported in masses of large size, sometimes nearly a hundred weight. I'his is of excellent quality, compact, dark brown in colour, and resinous in character. 3. Bengal entechu, in quadrangular cukes, about 2 to 3 inehes in length and breadth, and similar in eharacter to those mentioned above; and 4. A eatochu in bulls, the quality of which is generally inferior.
As the plants prodneing eatechu are so widely distributed, the cost of the article depends in great degree upon the cost of labour and carriage. The quantities sent to Europe are increasing. The price of eatechu varies at the Eastern ports from 10s. to $15 s$, the cwt. (Wood and Bache. United States Dispensutory, from which excellent and exhanstive work the above has been chietly compiled.)

CAT'S EYE. A mineral of beautifat appearance. Its colours are grey, green, brown, red, of various shades. Its internul lustre is shining, its fracture imperfectly conchondal, and it is translucent. It has derived its name from a peculinr play of light, arising from white fibres interspersed. The French call the appearance chatoyant. A mong jewellers this gem is also known by the names of cut's eyc, chr;soberyl, and cymophane. It is found in Ceylon, Brazil, Moravia, the Ural Mountains (where a beautiful variety is known as Alexandrite), and in the United States. Gooll eat's eyes, aecording to Mr. Emanuel, are worth from $100 \ell$. to 3001 ., and are becoming more valuable than formerly. It scratches quartz, is easily broken, and resists the blow-pipe. It is set by the jewellers as a precious stone.
CAT SKINS. The skin or fur of the cat is used for a variety of purposes, but is principally dyed and sold as false sable. It appears from cvidenco tuken before a Committee of the Ilonse of Cummons (1859) that it is a common practice in London to decoy the animal and kill it for the sake of its skin. The fur of the wild cat is, however, far more valuable than that of the domestic cat. 'The
wild cat skins imported into this country are bronght almost whelly from the territories of the Hudson's Bay Company. The animal from which they are taken is a good deal larger than the Figlish wild eat, and is sometimes called the houp cervier, or Canadian lynx. It is very ceasragcous. At an average about 30,000 cat skins are amually imported, of which more that a half are retained for liome consumption.

CAITTLE. A collective term applied to designate all those quadrupeds that are used either as food for mas or in tilling the ground. By neat or horned cuttle is meant the two species included muter the names of the $0 \times($ Bos ) and the buffalo (Bubulus) ; but as the latter is harilly known in this country, it is the former only that we have here in view.
The raising and feediag of cattle, and the preparation of the various products which they yield, have formed, in all ceuntries emerged from the savage state, an important branch of industry.

It would be quite inconsistent with the oljects and limits of this work to enter into any details with respect to the different breeds of cattle ruised in this or other countrics. They are exceedingly various. In Great Britain they have been vastly improved, in the weight of carcase, the quality of the beef, and the abumdance of the milk, by the extraordinary attention that has been fiven to the selection and crossing of the best breeds, necording to the objects in view. This sort of improvement began about the middle of last century, or rather later, and was excited and very much forwarded by the skill and enterprise of two individnals-Mr. Bakewell of Dishley, and Mr. Culley of Northumberland. The success by whieh their efforts were attended ronsed a spirit of emulation in others; nul the rapid growth of commerce and manufactures since 1760 having occasioned a corresponding increase in the demand for butchers meat, improved systems of breeding, and improved breeds, have been very generally introdiced.
But the improvement in the size and condition of cattle has not been alene owing to the circumstances now mentioned. Much of it is certainly to be ascribed to the grent improvement that has been made in their teeding. The introduction and universal extension of the turnip and elover cultivation has had, in this respect, a most astonishing inthence, and has wonderfully increased the food of eattle, and consequently the suppiy of butchers' meat.
It was stated in the First Report of the Select Committee of the Honse of Commons on Waste Lands (printed in 1795 ), that cattle and sheep hat, at an average, increased in size and weight about a fourth part since 1732; but there are strong grounds for supposing that the increase had been mush more considerable than is represented by the committec.

The nverage price of oxen, during part of the thirteenth and the whole of the fourteenth centuries, as exhilbited in Mr. lingers's work On Agriculture and Prices in Eugland, 1259-1400, was
 averages have been derived from many thomsand entries, and indicate that the oxen were on the whole intended to be used as meat, since the price is considerably in excess of that at which cows were sold, and that no general attempt was made to improve the herd, since bulls were cheaper than oxen.

The average weight of an ox in the year 1547, if we can rely on a victualling bill of the navy, preserved in the Publie Record Otlice, and containing the weights of 40 oxen, was 4 ewts. It is
possible that the herd may have improved during the century and a half which follow on the peried comprised in the work referred to. (Agriculture and Prices in England, vol. i. p. 53.)
According to an estimate of Dr. Daveliant in 1710, the average weight of the nett carcase of black cattle was only 370 lbs., of ealves 50 lbs., and of sheep only 28 lbs. ; but according to Sir F M. Fiden (History of the Poor, vol, iii. Appendix p. 88) and Mr. Middleton (Agriculture of Middlesex, 2mi ed. p. 541), the average nett weight of the carcase of bullocks killed in London might be taken, about the end of the last or tho beginning of this century, at 800 lbs , ealves at 140 lbs. , shec. ${ }^{2}$ at 80 lbs ., and lambs at 50 lbs .
Consumption of Butchers' Meat in Iondon.-The number of head of cattle, sheep, and lambs sold in Smithticlel market, each year from 1732 to 1852 , hats been as follows:-

| Vear | Catile | Sheep | Year | Cattle | Sheep |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1732 | 76,210 | 511,400 | 1793 | 116,818 | 728,440 |
| 1733 | 80,169 | 515,1130 | 1794 | 110,448 | 719,180 |
| 17.34 | 7K, 810 | S66i,910 | 1795 | 151, 012 | 715,610 |
| 1733 | 83,894 | 840, 978 | 1796 | 117,152 | 755,840 |
| 1736 | 87,606 | 587,4*0 | 1797 | 108,377 | 693,510 |
| 1737 | 89,862 | 607439 | 1799 | 107,470 | 753, 010 |
| 1738 | 87,110 | 3 $\times 9,170$ | 1749 | 12\%, ${ }^{1} \times 6$ | 4.3,100 |
| 17.99 | 86,787 | 364,980 | 1810 | 12.5, 173 | \$42,210 |
| 1740 | 84, 810 |  | 18111 | 131,546 | 760,560 |
| 1711 | 77,711 | 536.180 | 1502 | 126,349 | 74.3,474 |
| 1712 | 79,601 | 31.5 ,2511 | $2 \times 143$ | 17,5,51 | 747,430 |
| 1713 | 76,475 | 463, 120 | 1814 | 113,019 | 903, 910 |
| 1741 | 76,618 | 490,6\% | 1803 | 125,013 | 912.110 |
| 174 | 74,188 | Sti3,900 | 1 mag | 12017,250 | Hix.s70 |
| 1746 | 71,582 | 620,790 | 1807 | 131,326 | 021,030 |
| 1717 | 71,1591 | 681.781 | 18188 | $111,0.12$ | 1,015,240 |
| 1718 | $67.6 \times 1$ | 610,060 | 1809 | 137,fiot | 94.9280 |
| 1719 | 72,7,16 | 661,20 | 1810 | 132,1.55 | 16, 2,750 |
| 1750 | 70,7665 | 0.6,310 | 251 | 145, 112 | 9 $96.6,463$ |
| 1751 | 69,589 | $6.31,890$ | 1812 | 153, ${ }^{\text {a }}$ [1] | $9: 5,3,1,30$ |
| $17 \%$ | 73,709 | 614, 100 | $1 \times 13$ | 138,770 | K91,20 |
|  | 75,259 | 644,410 | 1814 | 1,3,0,171 | 880,080 |
| ! | 70,437 | $6.31,380$ | 1815 | 121,914 | $9602,8+11$ |
|  | 74,2\%1 | 617,5013 | 1816 | 120,439 | 964.56 |
| 13.96 | 77,257 | 6:4,710 | 1815 | 129,488 | 1,044,760 |
| 1757 | N2, 6id | 551,960 | 1818 | 138,017 | - 96, ${ }^{\text {a }}$, 21050 |
| $175 \%$ | 81,2.54 | 5.50,930 | 1819 | 113,226 | 919.960 |
| 1759 | K6,4.99 | 582,2f0 | 1880 | 172,933 | 017,999 |
| 1760 | K4, 591 | 644,210 | 1821 | 129,12. | 1,111, 2 20 |
| 176 | 84.314 | 666,010 | $18 \% 2$ | 1420043 |  |
| 1758 | 142.831 | 77\%,160 | 152.3 | 119.58 | 1,261,947 |
| 1763 | 80, 5.51 | 6.53, 10 |  | 16,3,615 | 1, $23.30,243$ |
| 1761 | 75,168 | 554,360 | $18 \% 5$ | 156,945 | 1, $1.30,3140$ |
| 1765 | 81.630 | 5.37 .000 | 1826 | 143.460 | 1,200, \%31 |
| 1769 | 75, ${ }^{3} 34$ | 671,790 | 1527 | $13 \mathrm{Sm,763}$ | 1,33\%,169 |
| 1767 | 77,324 | 571,050 | 1528 | 147,618 | 1,298,160 |
| 1763 | 79,660 | 642ti, 170 | 1823 | 154,313 | 1,210,019 |
| 1769 | W2,131 | 612,910 | 18.50 | 159,907 | 1,287,076 |
| 1770 | 86,990 | 619,090 | 18.31 | 115,168 | 1,150,019 |
| 1771 | 9,3,573 | 631, 660 | 18.32 | 16it, 241 | 1,361, 1607 |
| $177 \%$ | 89.03 | 514.510 | $1 \times 33$ | 152,1493 | 3,1167,420 |
| 17.3 | 90,133 | 6199, 511 | 1831 | 362,145 | 1,250,314 |
| 1771 | 90,119 | 588, 690 | 18.35 | 170,32\% | 1,3.21,513 |
| 1775 | 93,5x1 | 623,950 | 1836 | 161,3,1 | 1, 219,510 |
| $17 \%$ | 9x.37\% | 671, 100 | 18.37 | 1\%3, 137 | 1,3820,610 |
| 1777 | 93,714 97 | 714,876 655 | 1838 18.39 |  | $1,413,4010$ $1,360,250$ |
| $17 \% 8$ 1789 | 97,360 | 655,40 | 18.39 $1 \times 14$ | 180,7816 177,497 |  |
| 1780) | 102,38.3 | 716, 830 | $1 \times 11$ | 166,9t\% | - 110,4 |
| 1781 | 102513 | 743,336 | 1812 | 17.5,317 | 1,1,5x, 9401 |
| $17 \times 2$ | 109.176 | 724.970 | 1843 | 175.133 | 1,51,760 |
| 1783 | 101,810 | 701,610 | 18.4 | 146.191 | 1,6m, 1,30 |
| 174 | 68,143 | $6 \mathrm{tb}_{2} 110$ | 1815 | 192,180 | 1,41, ${ }^{1818}$ |
| $17 \times 5$ | 99,047 | 611,170 | 1846 | [94,575 | 1, $518.4 \%$ |
| 1784 | 92,270 | 66.5960 | 1317 | 280.868 | 1,438,250 |
| $17 \times 7$ | 91.916 | $66 \mathrm{~B}, 570$ | 1848 | 498,14.3 | 1,3,3,7\% |
| 1788 | 92, $\times 27$ | 679,100 | 18.19 | 22.7,5in | 1,514,190 |
| $17 \times 9$ | 93,269 | 693.700 | ${ }^{18.50}$ | 2 29.714 | 1,555,200 |
| $17 \%$ | 103,701 | 749,6640 | 1 Nat | 213,511 | 1,377,4,311 |
| 1791 | 101,164 | 710,360 | 185\% | 456,915 | 1,575,340 |
| 1592 | 107,318 | 7 (1),439 |  |  |  |

The number of fatted calves, exclusive of sucklers, of which no account is taken, sold annually in Smithtield from 18:11 to 1852 inclusive, was as fol-lows:-

| Date |  | Number | Date |  | Number |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1821 | - | - 21,364 | 1837 | - | - 17,i16 |
| 182\% | - | - 21.25.3 | 28.38 |  | - 18,6.53 |
| 1983 | - | - 2\%,75? | 18.39 | - | - 14,145 |
| 1×21 | - | - 21,949 | 1840 | - | - 17,131 |
| 182.5 | - | - 20,958 | 1811 | - | - 1:,010 |
| 18:G | - | - 42,1 I8 | 1848 | - | - 19,644 |
| 1827 | - | - 20,789 | 1813 | - | - 19,113 |
| 1828 | - | - 20,432 | 18.11 | - | - 19, 14.3 |
| 1829 | - | - 20,879 | 1815 | - | - 18,734 |
| 1830 | - | - 20,300 | 1816 | - | - 19,461 |
| [15.51 | - | - - | $1 \times 47$ | - | - 25,:32 |
| 14.32 | - | - 19,542 | In.13 | * | - 24,706 |
| [83] | - | - 18.371 | 1815 | - | - 26,429 |
| $1 \times 34$ | - | - 19,721 | 1850 | * | - 50,278 |
| 283.5 | - | - 20,852 | $1 \times 51$ |  | - 3.1,473 |
| 1836 | - | - 18,900 | 18.52 | - | - 36,047 |

The contrac at Cirecnwich below:-

|  |  |
| :---: | :---: |
|  |  |
|  |  |

But it should b 1860, the quallt been 'prine.' (1868) consists beef of buttecks

We suspect, practical men of assigued by Sir the cattle sold when their est excess ; but the in the breeding of the empire average size; now, we linve b the mark. In We shall take the lls.s. ; nad supposi to be nearly right knew the respect to estimate the $t$ furnished for Lor clusive of hogs a not, however, dist is known that th as 3 to 1 ; so that weight of the shee

A verage Number of S mimals nold in smith. years ending llec. 31 , 1852

213,411 catite namlu
53,192 calves and Total -
This quantity, e . Gd., would cost 7 , 0,902,384l.
But exclusive o perly so called, a chuding the head is used as fool.
A part of the cat the towns in the $v$ many cattle are m laughtered for th arcount is taken. the latter quantity supposing that the the above quantit regarded as formint meat required for however, of the of pits, suckling cals hacon, hams, ands a distance. The qu account are very $l_{n}$ troluction of steam cattle and sheep at distaut parts of the are sent up for sale have no means of on such a subject,

The contract prices of butehers' ment per ewt. at Greenwich Ilonpital, since 1730, have been as below:-


But it should be remarked that sinee January 1, 1 $\times 10$, the quality of the meat contracted for has been' 'prime.' 'The mitton for the hospital now (1868) consists entirely of legs and loins, and the becf ot buttocks and thick tlanks free from bone.
We suspect, from what we have heard from practical men of grent experience, that the weights assigned by Sir F. M. Eiden and Mr. Middleton to the cattle sold in Smithtield were, at the time when their estimato was framed, decidedly in excess; but the great improvements since made in the breeding and feeding of cattle in all parts of the enpire have materially increased their average size; so that the above weights are now, we have been well assured, not fur from the mark. In order to bo within bounds, we shall take the nett weight of the eattle at 750 lus.; and supposing this and the other estimates to be nearly right, we should be able, provided we knew the respective numbers of sheep and lambs, to estimate the total quantity of butchers' meat furnished for London by Smithfield market, exclusive of hogs and pigs. Sheep and lambs are not, however, distinguished in the returus; but it is known that the former are to the latter nearly as 3 to 1; so that we may estimate the average weight of the sheep and lambs at about 70 lbs.

| I verage Number of I nimbals sold in smidhhed in earch of the 3 sears ending 1lec. 31, 1852 | Girnse Weight | Oflit | Neft Weisht | Hutchers' Meat |
| :---: | :---: | :---: | :---: | :---: |
| 213,411 cathe | $\underset{1,000}{\text { libs. }}$ | $\begin{aligned} & 1148 \\ & 2.50 \end{aligned}$ | $\begin{aligned} & \mathrm{lbs}_{7} \mathrm{in} \\ & \hline \end{aligned}$ | $152,5588,250$ |
| 1.569, F20 sheep and lambis | 919) | 40 |  | 109,N66,100 |
| 33,192 calves | 175 | 35 | $1 \%$ | (1ith, $4 \times 0$ |
| Total - |  |  |  | 297,011,530 |

This quantity, estimated at the average price of Gid., would cost $7,426,7881$. ; at $8 d$. it would cost 0,902,384l.
But exclusive of the above, or of the beff properly so ealled, a large portion of the offa, including the head and tongue, heart, tripe, fat de., is used as food.
A part of the eattle sold in London go to supply the towns in the vienity; but, on the other hand, many cattle are sold in the miljoining towns, and slatightered for the use of London, of which no arcount is takell. We have reason to thizk that the latter quantity rather exceeds the former; but, supposing that they mutually balance cacl other, the above quantity of $297,07 \mathrm{I}, 530 \mathrm{lbs}$. may be regarded as forming the annual supply of butchers' meat required for London (in 18503) ; exclusive, however, of the offal used as food, and of hogs, piss, suckling calves de., and exclusive also of hacon, hams. and salted provisions brought from a distance. The quantities thus omitted from the accunt are very large incleed; and since the introduction of steam navigation great numbers of rattle and sheep are killed in Scotland and other distant parts of the empire, the carcases of which are sent up for sale in the London market. We have no means of forming any correct conclusion on such a suhject, but we are inelined to think that the carcases so sent up, added to the oftal
used as foorl, and the logn killed in town, may lie eonsilered as fully equivalent to the butehers' meat used in the rictualling of ahips. On this hypothesis there will remain $297,071,530 \mathrm{lbs}$ of bitehers' meat for the supply of the metropolis, which, tak lug the population (for 1853) at $\$, 400,000$, gives $12: 17 \mathrm{lbs}$, for the consumption of every individual, exclusive of bacon, hans, and salted provislons, and also of poultry. If the population of the metropolis be tuken at $3,000,000$, the quantity reguired, on the preewling calculation, will be 371,121,590 Jbs.

This, though not nearly so great as has heen sometimes represented, is, we believe, a larger consumption of animal food than takes place any where clse by the same namber of individuals. Mr. Middleton (Agriculture of Middlesex, p. 613) estimates the consumption of mimal food in Lomlon, exclusive of tish und poultry, at gist lis. a-year for every individual! And he further estimates the total average anmmal expense ineurred by each inhabitont of the metropolis, for all sorts of animal food, at 8 l . 8s. According to M Chabrol, the consumption of butchers' meat in Paris amounts to between 85 lus. and 86 llm . for each individual. At Ilrussels the consumption is a lit tle greater, being supposed to average $89 \mathrm{hl}_{\mathrm{s}}$. each individual; being rather more than 3 los. above the mean of laris, and $3 \cdot \frac{1}{7} \mathrm{lbs}$, under the menn of London.

There were 342,398 caftle, 40,207 calves, $1.6 \% 1,40 \%$ sheep, and 30,803 pigs brought into the Metropolitan Cattle Market in 1865.

In estimating the weights of the animals killed in country towns, a lower standard must be adopted than that taken for London; first, because the largest and tinest eattle are brought to the metropolis; and sccondly, because a very large proportion of the calves killed in comitry towns are sucklers, which are exeluded from the London accomnts. Neither is the consumption so great in country towns as in the metropolis; and supposing the consumption in the latter to be at the rate of 123 lbs. per imlividaal, it does not probably exceed 100 lis. per do. in Manchester, (ilasgow, Liverpool, and other great provincial towns. In I851 there were slanghtered in Glasgow 29,569 oxen, 4,443 calves, 123,188 sheep and lambs, and j, 157 pirs. And this statement taken in connection with the fact that very large quantities of fresh and salted meat are imported into Glasgow, and that, so late as 1760, the slaughter ot bullocks for the supply of the publie market was unknown in that eity, sets the wonderful improvement that las taken place in the food of the seoteh people in the most striking point of view. I'reviously to 1780 it was customary in Glasgow, Edinlurgh, and the principal Scotch towns, for families to purchase in November what would now be reckoned a small halffed cow or ox, the salted carcase of which was the only butchers' meat they tasted throughont the year. In the smaller towns and country districts this practice prevailed till the present century; but it is now everywhere abandoned. We believe, indeed, that there has never becn, in any country, a more rapid increase in the guantity, or a freater improvement in the quality, of the food brought to market, than has taken place in Ncotlandssince 1770 . In so far as respeets butchers' meat, this has been oceasioned partly by the growing numbers and opulence of all classes, and partly by the vast increase in the food of cattle consequent on the introduction of green crops, and of an improved system of cultivation. Bread.]

The introduction of steam mavigation, and the improved means of communication by railroads
and otherwise, have already had, and will no doubt contline to have, a material influence over the supply of butchers' meat. ()wing to the difleculty and expenae of their conveyance, cattle could not formerly be conveniently fattened nt any very convilerable distance from the great markets; but nteam navigntion has gone fur to remove this difliculty. Instead of aclling thelr cattle, lean or half-fed, to the Norfolk graxiers, by whom they were fattened for the London inarket, the producers, in various districts of scotland, now fatten them at home, either sending the live animnls or the carcaaes by ateam to London, Liverpool de. This practice is indirectly as well as directly ndvantageous to the farmer, inasmuch as it enables him to turn his green crops to better account, and to raise larger supplies of manure. The same practice is also extending ln Ireland; and will, no doubt, spread itself over every part of the country where feeding can be carried on, that has the required facility of transport.

Exclusive of the cattle raisel in Great Britain, we import considerable supplies of beef and of live cattle from Ircland.

Aecount of the Number of Couss and Oren, and of the Quantities of Beof, imported. into Gireat Brituin from Ireland in the undermentioned Years.

|  | Year | Cowambl oxen | Ifeef |
| :---: | :---: | :---: | :---: |
| 1801 | - | 31, 70 | $\begin{aligned} & \text { barrelu } \\ & A_{n}!111 \end{aligned}$ |
| I811.3 | - | 21,462 | Ns. 319 |
| 1810 | - | 41,543 | 71,6163 |
| 2815 | - | 33,4109 | 601, 117 |
| 1820 182.5 | - | 79,111 68.519 | 34ts91 |

In 1825 the trade between Great lbritain and Ireland was placed on the footing of a coasting trade, so that there are no means of continuing this necount to a later date from official returns. But the following statement collected by the Customs from non-officinl sources lins been continued from 1860 to 1866 from the valunble Statistics of Ircland, pablished in Mr. Thom's Almanac for 1868:-

Imports of Cattle, Sheep, and Surine from Ireland into Great Britain during cach of the undermentioned Years ending with 1866.

| Yeat | Ozen, bulls, and cows | Calves | Sheep and lambs | Swine |
| :---: | :---: | :---: | :---: | :---: |
| $1 \times 16$ | 186.14. | 6,36.3 | 2.39, 2.57 | 480, 117 |
| 1847 | 1819,96\% | 9,994 | 321,173 | 106,407 |
| 1914 | 196,042 | 7,1486 | 2 $25.54,682$ | 110,597 |
| $1 \times 19$ | 211, 811 | 9,431 | 211,461 | 6m, ins, |
| 18.511 | 181,616 | 4,162 | 176.913 | 109.170 |
| 18.11 | 14.3,-60 | 8,111 | 151,5117 | 136.162 |
| 1 \|ris | 255,687 | 31,943 | 119,701 | 364,912 |
| $1 \times 61$ | 331,304 | - 1,3680 | 417,1:6 | 354,149 |
| $1 \times 62$ | 540,151 | 11,468 | S.30.651 | 36.1,631 |
| 1816 | 399,264 | 42,38T | 317,232 | 357,938 |
| 1861 | 340,210 | 19,1037 | 3710,781 | Sis, 548 |
| 156.5 | 2.32,6542 | 11,1142 | 3.32, 4.51 | 545,1.54 |
| 1866 | 364, 881 | 31,3.50 | 398, $\mathbf{H}^{46}$ | 301,2z |

The average annual value of the total imports for the last seven years being $7,279,3761$.

Number of Head of Cattle in Great Britain.-It would, on many accounts, be very desirable to liave an aceurate estimate of the number and value of the stock of cattle in Great Britain, and of the proportion annually killed and made use of; but owing to the little attention that has been paid to such subjects in this country, where most branches of statistical knowledge are at a low chb, there are no means of arriving at any conclasions that can be depended upon. The following details may not, however, be unaeceptable.
Arthur Young has given, hoth in his Eiastern and Northern Tour, estimates of the number and value of the different descriptions of stock in

England. The greatest discrepancy, unaccompanied by a single explanatory sentence, exista between them; but there can be $n 0$ donbt that the followlig estimate (Eastern Tour, vol. iv, p. 456), though, perhaps, rather under the mark, is intlinitely nearer the truth than the other, which is about twice as great :-

Number of drausht callin
nnws
fatting catile
young cattle

Now, taking this number at the round anm of 3,000,000, and ndding a half to it for the increase since $17 \% 0$, and $1,500,000$ for the number of enttlo in Scotland, wa shall have $6,000,000$ as the total head of cattle of all sorts in Great Britain. The common estinate is, that nbout a fourth part of the entire stock is annually slaughtered; which, nilopting the foregoing statement, gives 1,500,000 head for the supply of the kingdom; a result which all that we had heard down to 1850 lnclined us to think was not far from the mark.
But in 1866 an enumeration of the cattle, sheep, and pigs was taken for England, Walea, and Scotland. The number in Ircland bas been stated for some years past. This census gives $4,78 \overline{5}, 846$ as the total number of cattle in fireat Britain. Of these, $3,307,054$ were returned for Einglnad, 541,401 for Wales, 837,411 for Scotland. In Ireland the cattle were $3,433,414$; those in the Isle of Man and the Channel Islanils 37,700: making a total of $8,316,960$ for the United Kingdom.
The eattle renred and held in the United Kingdom is considerably less than that held on an average in forcign countries. We subjoin a table of the popalntion and number of cattle in several of these countries according to the latest returns, the commtries being arranged according to the number of their population.

| Countrles | llate of return of live stuck | Population | l'atte |
| :---: | :---: | :---: | :---: |
| Russia | 18.59-63 | 71,139,394 | 2. $3,411,14(1)$ |
| France | $1 \mathrm{K6t}$ | 37,548,513 | 14,197,38i1 |
| Auntria | $1 \times 63$ | 36,267,649 | 11,19\%,116 |
| Uniced States | 1868 | 31,143,040 | 16,9] $16.17 \%$ |
| ${ }^{\text {l }}$ 'riteel Kingiom | 14685 1962 | $49,074,982$ $18,491,220$ | $4,316,960$ $5,6,31,500$ |
| Spein | 186s | 15,65n,5.11 | \%,911, w3 |
| lavaria | 1 146. | 4, 1117 , 110 | 3,185, N/4 |
| Dielgium | $1{ }^{1 \times 36}$ | 4.1290, 161 | 1,237,619 |
| Sweden | 1860 | 3,8.99,-48 | 1,916,63 |
| Holland | 1894 | 3,61N,139 | 1,31.3,847 |
| Sazong | 1861 | 2,225,410 | $6.3 \times, 463)$ |
| Jhanover | 1461 | 1,4810,170 | 989.179 |
| Wurtemberk | 1861 | 1,720,704 | 953,1iy |
| lenmark | 1861 | 1,662,731 | 1,14, ${ }^{\text {a }}$ |
| Haden | 1461 | 1,429.199 | 621,146 |
| 1 evre | 1868 | 835,315 | 316,6.53 |
| Holxsein | 1861 | 561,811 | $22^{2 / 43}, 372$ |
| Mecrienburg Schwerin | 1857 | 399,238 | 261, 4.37 |
| Nassau <br> Cchleswla | 1861 1861 | 464,311 421,186 |  |
| Oideriburg:- | 1854 | 8i!!1,637 | 219,4.8 |

These figures will show how much less is the proportion of cattle to hearl of population in the United Kingdom than is to be found in some other communitics.

Importation of Cattle.-Previously to 18.12 the importation of horned cattle, sheep, hogs, and other animals used as food was strictly prohibited; but this prohulition was then withlrawn, and the importation of the animals in question permitted on paying a duty of 20 s a head on oxen and bulls, 15s, oll cows, 3s. on shecp, 5s. on hogs \&c. This certainly was one of the boldest and most important inroads ever made on the prohibitive system, and reflected the greatest credit on the administration of Sir Robert Peel. It was supposed at the time that this change would lead to a very heavy fall in the prices of all sorts of stock, a supposition which was in some degree renlised
hy the panle wh no good founda thia we caleavo thly Dictionary the prohibition.
The home proc by the change during the preval 1846 Sir IR. P'ee cattlo trado by The result has be lean stock, the fi profltable business

Account showing

Oxen, bulls, cows, and c
Sheep and lambas

According to th Animals (July 16, chief sources of cat ars Spain, Portuge Schleswig, Denmar is also supplied fror Scotch ports, and England. Importai ports only, these $h$ Customs authorities tically a measure of for foreign cattlo are Hull, Newcastle, Lei 'attle, Glasgow, Sil pol, and 13ristol. carried to Liverpool
The following are the House of Comm pointed to enquire in home and forcigntra
Transit.-The scain grood condition. exceptions, specially have divisions for windsails or other and in some cases sho The cattle, however, appear to suffer fron of air when the vessel or are waiting for the as at Newenstle, IIu. the cattle cannot be tide.
The animals carried tied with their heads though the best mot heads to the centre, afforls greater facilit and for good ventilati brought over loose.
There is no rule res hard, but with the the Irish and Breme appear to be overcrow
It is in evidence arises to cattle from 1 , drovers, and that cat Spain arrive in a be itrland.
In the voyage fro allowed space to lie pressed food, and wate mals are packed clos
by the panle which it occasloned. But there was imported ars rarely in condition for the buteher, no good foundation for such anticipations; and this we endeavoured to show, in the edition of this Dictiouary published soon after the repeal of the prohilition.

The home producer was not affected adversely by the chango-Indeed no real change occurred thring the provalence of these dutios. Henco in 1846 Sir 13. Feel completed his reform in tho cattle trade by admitting animals duty free. The result has been a consideralle importation of lean stock, the fattening of which has been the profitable business of farmers and graziers. Cattle fir the corinement and haridaips of a sea voyace tell severely upon lean atock, and would luvolve a serious loss on beasts shipped In prime condition.
A temporary check, however, was given to the importation of foreign cattle by the late preva. lence of the cattle plague. In the period from June 24, 1865 to Novomber $10,18166,198,481$ cattle in Engiand were attacked, of which but 31,589 recovered, white 38,443 healthy beasts were slaughtered to provent the spread of the disense. (Miscellaneous Statistics, p. 323.)

Account showing the Number and Declared Real Valus of the Foreign Cattle, Sheep S.c. Imported into the United Kingdom in 1805-67 (Statistical Abstract, 1868).

| Osen, bulls, cowt, and calven sheep and lamba <br> Total | 1863 |  | 1885 |  | 1961 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Value | Number | $V$ alua | Number | Value |
|  | $\begin{aligned} & 283,271 \\ & 914,170 \end{aligned}$ | $\begin{gathered} 8 \\ 4,401,482 \\ 1,7 \times 7,9 \times 6 \end{gathered}$ | $\begin{aligned} & 837,739 \\ & 700,4 \times 10 \end{aligned}$ | $\begin{gathered} 4,092,941 \\ 1,41,512 \end{gathered}$ | $\begin{aligned} & 177.948 \\ & .610,3: 6 \end{aligned}$ | $\begin{gathered} k, 0.1 .310 \\ 015,6 i f i \\ \hline \end{gathered}$ |
|  | - | 8,189,364 | $\bigcirc$ | 5,597,2538 | ¢ | 3.989 .971 |

According to the last Report on the Trade in Animals (July 16, 1866, Parl, Paper No. 427), the chlef sources of cattle imports into Great Britain are Spain, Portugal, France, Belgium, Holland, Schleswig, Denmark, and Swedeu. The market is also supplied fromi Orkney and Shetland to the Scotch ports, and from Scotland and Ireland to England. Importations are permitted to certain ports only, these having been approved by tho Customs authorities, the regulation being practically a measuro of quarantine. The chief ports for foreign cattle are Liverpool, London, IIarwich, Ifull, Newcastle, Leith, and Granton; and for Irish rattle, Glasgow, Silloth, Morecambe Bay, Liverpool, and Iristol. Scoteh cattlo are generally carried to Liverpool and London.
The following are extracts from the Report of the llouse of Commons' Committee of 1866 appointed to enquire into tho manner in which the home and foreigntrade in animals is conducted:-
Transit.-The sea-borno cattlo arrive generally in good condition. The vessels are, with some exceptions, specially fitted up for the purpose, and have divisions for every four or six animals, windsaila or other means to secure veutilation, and in some cases shelter for tho cattle on deck. The cattle, however, in well-ventilated vessels appear to suffier from the want of a free current of air when the vessels are coming np the Thames or are waiting for the tide to discharge their cargo, as at Newcastle, Ilull, Bristol, and Leith, where the cattle camot be landed nt all states of the tide.
Tho animals carried between deeks are usually tied with their heuds to the sides of the vessel, though the best mode is to tie them with their heads to the centre, beenuse this latter method affords greater facility for feeding and watering, and for good ventilation; the Irish store cattle are brought over loose.
There is no rule respecting the numbers put on bonrd, but with the exception of some cases in the Jrish and Bremen trade, the vessels do not appear to be overerowiled.
It is in evidence that in Ireland much injury arises to cattle from bad treatment received from drovers, and that cattle landel from Oporto and Spain arrive in a better state than those from Ircland.
la the voyage from Oporto, each animal is allowed space to die down, and is fed with compressed food, and watered; in other cases the animals are packed close to one another, so as to
prevent their lyiog or being shaken down, and sometimes are neither fed nor watered until landed.
Tho animals are chiefly made to walk on and off board, and the practice of slinging is nearly abandoned.
It has always been the practice to cleanse the ships, more or less, after each voyage, and recently disinfectants have been used.
On the railways cattlo are often overcrowded and badly treated, especially in Ireland, and are carried for 36 to 48 hours without being fed or watered.

It is bad for the cattle and troublesome to untruck them, while there is some difficulty in watering them while in a truck-a dificulty, however, which is not insuperable.

A journey, whether by sea or rail, causes enttlo to deteriorate in value, and makes them feverish, and tends to produce, if it does not actually cause, the foot and mouth disease. These evils are very much increased if cattlo aro ill-treated or not properly watered.

Since the recent Orders in Council, the cattle trucks appear to have been properly eleansed as far as is possible. Possibly the floors might be constructed so as to admit of a more thorough cleansing than is at present practicable.
The Committee is of opinion that it should be made imperative upon all ralway companies or steamboat proprictors who are engaged in the carriage of auimals, to thoroughly clennse and disinfect the trucks, steamboats, and pens used by them after every joumey or voyage; and that provision should be made under tiovernment superintendence for the proper ventilation of ald vessels employed in carrying cattlo by sea; and also that yimilar provision should bo made with respect to the vessels employed in carrying cattle from Ircland and Scotland.

The laws relating to cruelty to animals might be often enforced with advantage in tho case of both vessels and railways.

Home Trade.-ll London and other large towns conld be supplied entirely with meat killed in the country, a grent deal of the traffic in cattle, and consequently a great deal of the chance of spreading infectious diseases, would be avoided.

London and other large towns can, except in hot weather, be supplied, to a great extent, with dead ineat from a distance; and frequently countrykilled meat, though not so gond looking, is better and keeps longer than town-killed ment.

At present, the cost of sending carcases by rail is larger than that of sending live eattle; but, with proper arrangements, the cost of carriage might be diminished.

If animals are slanghtered in districts which ure thialy peopled, there is great difficulty in disposing of the offal, which does not bear the expense of carriage. It would be a loss to the farmer in such distriets to be obliged to send his cattle to distant markets, dead instead of alive, and to the poor of London and large towns, who are great consumers of offal, and who would he deprived of it if those places were supplied by clead meat only.
The trade generaily object to a dead-meat system; they say that the supply is wery irregular, and that prices are only kept from violent fluctuations by the live-meat market.
Mureover, while admitting that the general demand is tolerably uniform, they say that their indi;idual demand varies-that they can only meet this irregularity by buying cattle and keeping them alive in their own lairs to slaughter when required.

Many butchers and contractors who supply the suburbs of Londen are dependent for their meat on the metropolitan markets. If they could only obain dead meat at these markets, it would be impossible to supply meat in as good a condition as they do at present.

The Committec is of opinion that it is not possible at present to dispense with a live-meat market in the metropolis and wther large towns.
Both in Jondon and in the provincial towns, butchers of the suburths or neighbouring places have been in the habit of purchasing eattle in the live markets; and removing them to their own premises, and keeping them there until reguired for slaughter. These persons have suffered great inconvenience and extra expense by the recent jrohibition of such removal, by the Orders in Council made in cunsequence of the eattle plaguc.
There does not seem to be any general desire permanently to restrain the general home traffic in eattle, but the Committee recommend that the Met ropolitan Market should be contined to animals intended for immediate slanghter; and that all animals exhibited therein should be branded, and not allowed to be exhibited for sale in any other market, but should be slaughtered within 10 days, and that, subject to this regulatiou, the animals might be moved so as to allow butehers to take them to their own places and slanghter them.

The Committec does not recommend that any permanent restrictions, other than those above suggested, shouid be placed on the home traffic in cattle. That they are of opinion that the wilful exposure for sale in a public market of animals suffering from infections disorders, such as rinderpest, sheep pox, plesro-pheumonia, or glanders, or the knowingly driving such animals upon the public highways, or conveyiug them upon railway or boat, should be rendered an olfence punishable in a summary manner ; and, if necessary, a Bill to effect this shotd be introduced into Parliament.

The great inconvenience of cattle driving in the strects of London and other towns arises partly from cattle being driven to the live-meat markets and partly from cattle leing driven from those markets to private slaughter-houses.

The live markets are not ualiealtly in themselves, nor are slaughter-house $\because$ irojerly kept, thourfly they usually attract se, eral trades which, in crowded localities, are injurious to pubiic health.

The private slaughter-houses are occupied by two classes, carcase butchers and retail butchers. The carcase butchers kill animals for the purpose of selling them wholesale in the dead-meat market. This slaughtering conld be carried on at a public slaughter-house aljoining the live market as well as at private slanghter-houses; and if this were done, the number of eattle driven through the strects would be very mueh reduced, and the noxions trades which are connceted with them wonld be removed.

The slaughter-houses of the retail butchers stand on a different footing. 'Their abotition would cause great hardship to many butchers who have slaughter-houses aljoining their slops, and can slanghter animals as they require them under their own superintendence.
For the public interest it would le advisable as far as practicable to arlopt a system of public slaughter-houses, and in all cases slaughterhonses should be placed under regulations and proper inspection, as is the caso at present in some of the provincial towns; and this Committee is of opinion that power should be given by a reneris' Act to local authorities to acquire land for the erection of slanghter-houses, and to make regulations respecting them.
That the system of inspection at present existing in the City of London should be extended to the whole metropolitan district, although no entirely satisfactory inspection of meat can be earried out until all meat is killed in specified public slaughter-houses.
Foreign Trade.-The importation of foreism cattle is very important, for, as the honse supply of eattle is reduced, the importation tends to keep down the price of meat, and it appears impossible to supply dead meat from foreign ports, to aly but a very small extent.
The int roduction of disease is, to a great extent, prevental by the system of inspection, which makes importers careful to send sound animals. The inspection is at present carried out eflectually, though the accommodation at some wharves is deficient.
Diseased animals are slanghtered, but the rest of the cargo is sold, except in cases of rinderpet, when the whole cargo is slaughtered. Store stock affecterl with foot and month clisease are, in sume cases, detained until cured.

Inspectors cannot discover undeveloped seeds of disease in an animal, and therefore, with the view of preventing the importation of disease from abroad, many nersons are desirous of placing store cattle in quarantine, and of maintaining the present rerulation as fo slaughtering fat cattle at the port of discharge within four days from their arrival.

The eompulsory slaughter of all foreigu cattle at the port of discharge, under the recent Orders in Council, has prevented the impoitation of any store cattle or sheep (which was an increasing trade), much to the detriment of the Seoteln farmers, who have been unable to stock theit lands, and has diminishe the importation of fat cattle, a trade which would otherwise have increasel.

The temporary inconvelience of insuflicient accommodation for slaughtering at the wharves could no doubt be removed, but the evil of causing a large amount of additional slangrtering iularge towns, as Liverpool and Jlull, is more diflicult to deal with.

Compulsory slaughter at a port, like compulsory slaughter at a market, is more expensive to the butcher, hampers the trade, and will diminisl the importation, and raise the price to the eonsumer.
The Committee recommends that all inported
fat cattle sh Einglishl fat c What the country, in w cattle plague and to prchibi mals therefro tion shall on that animals : any inarket, entry within $f$

Besides the the port of dise might be a sep London close stuck might b market, or on $t$
The plan wo ing Infection fr politan market, of driving catel wall to Copenh brought back to It is oljected nearly all the bu that ihe separati kets wonld be i competition, and while by giving it would increase minfair advantage Although to so purchase foreign, cattle, yet there a suparation of the men from one or $t$
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The objections it tine are the expens
and the deteriorati quarantine, while it catch the discase quarantined. A quar a tax ou importation lacion altogether, w price to the purchas It is alleged on th would cladly pay an
have a kind of warr have a kind of warr auimal; but it ma quarautine furnishes mimal is free from The only disease to be at all reasonab Where countries h only frec from rinder the exportation of cat tries, there seems to for cattle exported fr
fat cattle should be subject to the same rule as English fat cattle when exposed in a market.

That the lrivy Council shall declare any eonntry, in which they have reason to believo the cattle plague is existing, to be an infected country, and to prohibit the importation altogether of animals therefrom, or to declare that such importation shall only take place at certain ports, and that animals so imported shall not be taken into any market, but be slaughtered at the port of entry within four days of their being landed.

Besides the general question of slaughtering at the port of discharge, it was suggestel that there mightit be a separate market for foreign fat stock in London close to the wharves, and that foreign stuek might be excluded from the metropolitan market, or on the banks of the Thames,

The plan would prevent the chance of introducing lutection from foreign cattle into the metropolitan market, and would stop the inconvenience of driving cattle through the strects from Blackwall to Copentagen Fields, many of which are brought back to Whitechapel.

It is objected to by several inspectors, and by nearly all the butchers and salesmen, who alteged that the separation of the home and forcign markets would bo inconvenient, would deerease the comnetition, and tend to diminish the importation ; while by giving additional trouble to the butchers it would increase the price, and woutd 'give an unfair advantage to owners of Engtish stock.'

Although to some extent one class of butchers purchase foreign, and another class Euclish fiat cattle, yet there are many who purchase both. The separation of the markets would exclude these men from one or the other market.

Sueh a separation of the two markets seems therefore undesirable. The evil of the catte driving in the strects might be much diminished if the cattle were landed lower down the river than at present, and brought up by rait, while this course would also bring the cattle in better condition, and allow of better accommodation at the wharves.
The chance of infection will also be much diminished if the metronolitan market be made exclusively a fat meat market, as in that case all the cattle would be, accorting to our previous recommendations, killed within 10 days,

It seems desirable, where practicable, in large towns to separate the fat and store cattle markets.
Anysystem of quarantine will require extensive accommodation at the port ot arrival, and in some cases (as Liverpool and London) there will be great diffienlty in providing this.
The ohjections urged to tuy system of quarantine are the expense, the interference with trade, and the deterioration of the animal during the yuarantine, while it is raid that the animal might tatch the discase from the place where it is quarantined. A quarantine would, no doubt, aet as a tax on importation, and if it did not stop importacion altogether, would diminish it, and raise the price to the purchaser.
It is alleged on the other hand that a piurehaser would gladly pay an increased price, as he would bave a kind of warranty of the sommeness of the animal; but it may ire doubted whether the quarautine furnishes an adequate security that the animal is free from disease.
The only disease for which quarantine appears to be at alt reasonable is the rinderpest.
Where countries like Spain or Demmark are not only free from rinderpest, but are not a channel for the exportation of eattle from infected inland countries, there seens to be no reason for a quarantine for cattle exported from theni.

The Committee is of opinion that a permanent tlepartment of the Comncil Otlice should be appointed to keep up eommunications with the Board of Customs and her Majesty's consuls abroad, in order to have accurate accounts as to the existence or otherwise of the cattle plague, upon whose recommendation the Council could, if they thought fit, order a quarantine, or impose such restrictions upon the trade in animals as circumstances might appear to them to justify.
Laws as to Cattle.-No salesman, broker, or factor, employed in buying cattle for others, shall buy for himself in London, or within the bills of mortality, on penalty of doublo the value of the rattle bought and sotd. ( 31 Geo. II. c. 40.)
Cattle not to be driven on Sunday, on penalty of 20 s . ( 3 Cl . I. c. 1.)

Any person unlawfully and maliciously killing, wounding, or maiming auy cattle shall be guilty of felony, aud, upon conviction, may be transported, at the diseretion of the court, beyond seas for life, or for any term not less than 7 years, or be imprisoned for any term not exceeding 4 years, and kept to hard labour ; and, if a male, may be once, twiec, s thrice publicly or privately whipped, if the cunst shall think fit so to order. ( 7 \& \& lieo. IV. c. 30.)

Persons wantonly and cruelly abusing, beatiug, or ill-treating cattle may, upon being convieted before a justice of such oflenee, be fined in any sum not exceeding $5 \%$, and not below 10 s ; ; and npon non-payment of tine may be cominitted to the thouse of correction for any time not exceeding 3 months.

Complaint must be made within 10 days after the offence. Justices are instrueted to order compensation to he made, not exceeding 20 s ., to persons vexatiously complained against. (3 Geo. IV. c. 71.$)$

CAVIAR or CAVIARE (Fr. caviar, cavial ; Ger, kaviar; Ital. caviario, caviale; Span. caviario; Russ. ikra; Lat. caviarium). A substance prepared in Russia, consisting of the salted rocs of large fish. The best, which is made of the roe of the sturgeon, appears to consist entirely of the eggs, and does not easily become ietid. It is packed in small casks or kegs; the interior sort being in the form of dry cakes. Caviar is highly esteemed in Kinssia, and considerable quantities are exported to other countries. It is principally made of the roe of the sturgeon caught in the Wolga, in the neighbourhood of Astrachan, as many as 30,000 barrels of caviar haviug been exported from that city in a single scason, in I866, 128 ewts. of caviar were importel into Great Britain, valued at $2,313 l$, (Geog. Dict. art. ' Astrachan.')

CAYENNE PEPPER or GUINEA PEPPER. [PLPilin.]

CEDAR (Ger. zeder; Duteh, ceder; Fr. cedre; Ital. and Span. cedro; Russ. kedr ; Lat. cedrus). The cedar of Lebanon, or great cedar (linus cedrus) of the Old Testament. It grows to a very great size. The timber is resinous, has a peculiar and powerful odour, a slightly bitter taste, a rich yellowish brown colour, and is not subject to the worm. Its durability is very great; and it was on this account (propter aternitatem, Vitruvius, lib. ii. sec. 9) employed in the construction of temples and other public buildings, in the formation of the statues of the gods, and as tablets for writing upon. In the time of Vitruvius cedars were principally produced in Crete, Africa, and some parts of Syria. (Loc, eit.) Very few are now found on Lebanon; but some of thuse that still remain aro of inmmense bulk, and in the bighest preservation.

Celar exceeds the oak in toughness, but is very inferior to it in streagth and stituness. Some very fine cedars have been produced in England.

There are several other kinds of timber chat are usually called cedar: thus a species of cypress is ealled white cedar in America; and the cedar used by the Japunese for building bridges, ships, houses \&c. is a kind of eypress, which Thunberg describes as a beautifol wood, that lasts long without decay. The Juniperus oxyccalrus is a native of Spain, the south of Frnice, and the Levant; it is usually called the brown-berried cedar. The Bermudiun cedar (Juniperus Bermudima), a native of the Bermuda and Bnhama islants, is another species that produces valuable timber for many purposes, such is internal joiners, work, furniture, and the like. The red cednr, so well known from its being used in making black lead pencils, is prodnced by the Virginian cedar (Juniperus Virginiana), a native of North America, the West India islnnds, and Japan. The tree seldom exceeds 45 feet in height. The wood is very durable, and, like the cedar of Lebanon, is not attacked by worms. It is employed in various ways, but principally in the manafacture of drawers, wardrobes \&e., and as s. cover to pencils. The internal sood is of a dark red culour, and has a very strong odour. It is of a nearly uniform texture, brittic, and light. ('Tredgold's Principles of Carpentry; Library of Ent rtaining Knoulcder, Teqetable Substances; Rees's Cycloprediu; \&c.)
The duties on ceitar. which produced only a triffing sum, were repealed in 18.15 . A duty of 1s, per ton was, however, imposel on cedar in 1860, but the importation has been 11 e since March, 1866. The imports in 1866 were 5,647 tons, valued at 59,2241 . The use of cedar in pencil making bas been superseded to a considerable extent by other and cheaper woods.

CEMEN'T. Atother name for hylraulic mortar, i. e. mortar which solidifies under water, and thereupon becomes impermenble to it. These cements always contain nlumina nud silica, and the rationale of their action is the formation of a hydrated silicate of lime, alumina, and ocrasionally nagnesia. The sources of hydraulic lime are- 1. The septarise of the oolite and London clay, foumd on the coasts of Kent, the Isles of Sheppey and Thanet, Yorkshire, Somerset, nud the Isle of Wight, ns well as in many continental conntries. 2. The blae lins cement stones found in South Wales, Somerset, Lyme Regis, and Nottinghamshire. 3. The isle of Pordand eements of similar character may also be made artificinlly by the ealcination of lime with silica and similar compounds. (Uro's Dietionary.)
The value of I British cement exported in 1866 was $280,9161$. , about the average of the former 3 yenrs.

CERTIFIC: TES, in the Customs. Certificates of origin were requirel in respeet of all goods which are entitled to any exemption from or remission of duty, or other peculiar advantage, on their being imported. They were required, for example, in the case of sugar and spirits from the British possessions in America and the Mauritius, of sugar from places within the limits of the East India Company's charter, of wine from the Cape of Good llope de. The clauses with respect to them were embodied in the Customs Consolidation Act. [Impontation ani] Exiouration.] The statute enacted that the Commissioners of the Trensury may by order under their hands declare that a certificate of production shall be required upon the exportation of any goods from any hritish possession nbroad or other place, or upon the importation of such goods into the United Kingdom, and frame such regula-

CHAMBER OF COMMERCE
tions respecting sueh certificates and goods as they may think tit; and if any goods in respect of which such certilicates are required be imported without such certificate, they shall be deemed to be forcign goods and liable to any duty attaching to them as such; and such orders of the Treasury shall be published in the London and Dublin Gszettes three times at least within three months from the date thercof respectively. (Sec. 78.)

The following elauses relate to the importation of goorls from the Channel Islands :-

Goods of Guernsey, Jersey \&c.-Any goods of the growth of the Channel lslnnds, and any goods manufactured in the said islands from materials of the growth of the said islands, or from materials not subject to duty in the United Kiagdom, or from materinls upon which the duty hns been paid in the United Kingdom, and upon which no I Irawback has subsequeatly been granted, may be imported into the United Kiagdom from the said islands respectively without payment of any duty, and such goodsshall not be deemed to be included in any charge of duties imposed by any Act on the importation of goods generally from parts beyond the seas; but such goods shall be charged with any propertion of such duties as shall fairly countervail any duties of excise payable on the like goods the produce or manufncture of the part of the Unite! Kingdom into which they shall be imported, or payable upon any of tho materials from which such goods are manufnetured; and all goods manufactured in any of the said islands from any other materials than he materials aforcsaid shall be declared and taken to be forcign goods. (Sec. 82.)

Master to dcliver Certificate of Produce.-Before any groods e! - ll se entered as being the proluce of the said . ands (if any benetit attach to suca distinction), the master of the ship importing the same shall deliver to the collector or comptroller of cusioms a certiucate from the governor, lien-tenant-governor, or commander-in-chief of the island whence such goods were imported, that preol had beco made in manner required by law that such goods were of the protuce of such island, stating the quantity and quality of the goods, and the number and denomination of the packages containing the same. (Sec. 83.) These regulations are now repealed.

CIIAIN. In Surveying, a measure of length, composed of a eertain number of links made of iron wire, serving to take the distance between two or more places. Gunter's chain contains 100 such lirks, each measuring $7 \frac{92}{100}$ inches, conscquently equal to 66 feet, or 4 poles.
Cllain Cableg. [Anchors and Cahees.]
ClIALDRON. A dry English measure. 36 coal builiels make a chaldron, and 21 chaldrons a score. The coal hushel is $19 \frac{1}{2}$ inches wide from the outsidn, and 8 inches deep. It contains $2217 \cdot 6$ cubic inches; but when heaped, $2815^{\circ} \mathrm{o}$, making the chaldron $5 \times 65$ cubic fect. There are 12 sacks of cual in a chaldron; and if 5 chaldrons be purchased st the same time, the scller must deliver 63 steks: the 3 sacks additional are called the ingrain. Hlut coals are now sold in London, and almost everywhere else, by the ton of 20 cwt. avoirdupois. The Neweastle chaldron of coals is 53 cwt., and is exactly double the london chaldron. [Coas.]

CHAMBLR OV COMMERCE. An assembly of merchnuts and traders, where affairs relating to trade are trented of. There are several establishments of this sort in most of the chief cities in France ; and in this country chambers of this kind have heen erected for various purposes.
Cinamier of Assurance, in frahec, denotes a society of merchants and others for carrying oa
the business o fies a court assurance are
CILAMPAC cclebrated of $t$ Cllanks conch shells divers in the site Jaffinapat water ; and at places. Large found. Chank important as a in extensive de are sawn into worn as ornam by the IIindoo biried with the persons. Thos tish, are called The white chan the beach by str consistency, is $n$ The value of the A chank openin the right-hande sonetimes to sel pers. (Bell's $C$
communications.)
The fishery of
The fishery of Government, wh 3,0001 , to $4,000 l$. fishery, partly fri of the contiguous in the supply of e of the banks fell sad this smaller a license to dive $f$ to dig np the dead of Manaar. Under have wisely aband without being of view, obstructed ants on the shore ble Report of Sir on Ceylon, present
CHARCOAL Ital. carbone; Spai of carbon-diamo charcoal. The ori determined; the la most important kin Black, vegetable c
Vegetable chare and admitting as ble during the proc trees are piled in with turf, a few ho the pile, at which then ignited from slowly till sinoke c tures are then close cool. This metho very ancient, and country for centur body of Rufus in bumer, and his de
tion up to the clos tion up to the clos quantities of chare tillation of wood in ture of pyroligucous is an impure varic used in the manufa the young branches and more vascula which contains mo tre-being selected
the business of insurance ; but in Holland it signifies a court of justice where causes relating to assurance are tried.

CIIAMISGNE. One of the most esteemed and celebrated of the French wines. [Wine.]

CHANKS or CIIANK SHELLS. Common conch shells (Voluta Pyrum) are tished up by divers in the Gulf of Mannar, on the coast opposite Jaffnapatam, in Ceylon, in about 2 fnthoms water ; and at I'rnvancore, Tuticoreen, nnd other places. Large fossil beds of clunks have also been found. Cbanks are of a spiral form. They are important as an article of trade in India, being in extensive demand all over the country. They are sawn into narrow rings or bracelets, and are worn as ornaments on the arms, legs, tingers \&c. by the Hlindoo women: many of them are also buried with the bodies of opulent and distinguished persons. Those which, from being taken with the tish, are called green chanks, are most in demand. The white chank, which is tho shell thrown upon the beach by strong tides, having lost its gloss and consistency, is not worth the freight up to Calcutta. The value of the green chank depends upon its size. A chank opening to the right, called in Calcutta the right-handed chank, is so highly prized as s netimes to sell for 400 , or 500 , or even $1,000 \mathrm{ru}-$ pees. (Bell's Commerce of Bengal; and Private communications.)
The fishery of chanks used to be monopolised by Government, who formerly let the banks for from 3,0001 . to 4,0001 . a-year. But of late years the fishery; partly from the poaching of the tishermen of the contiguous coasts, nud partly from a decrease in the supply of chanks, declined so that the rental of the banks fell off to from 300l. to 400l. a-year ; snd this smaller sum was not paid, as formerly, for a license to dive for live chanks, but for permission to dig up the dead shells along the shore of the Gulf of Manasr. Under these circumstances Government have wisely abandoned the chank monopoly, which, without being of nny value in a tinancial point of view, obstructed the employment of the inhabitants on the shores of the Gulf. (See the valuable Report of Sir J. E. 'lennent, p. 55 of Papers on Ceylon, presented to Parliament in 1848.)

CHARCOAL (Fr. charbon ; Ger. kohlenstoffe; Ital. carbone; Span. carbon). There are three forms of carbon-diamond, graphite or plumbago, and charcoal. The origin of the first two has not been determined; the latter is an nrtificial product. The most imnortant kinds of artiticial carbon are LampвıAck, vegetable charcoal, and animal charcoal.

Vegetable charconl is prepared by igniting wood and admitting as small a quantity of air as possible during the process of combustion. Branches of trees are piled in a conical shape, and are covered with turf, a few holes being left at the bottom of the pile, at which air is almitted. The pile is then ignited from below, and suffered to burn slowly till smoke ceases to be evolved. The apertures are then closed, and the charcoal suffered to cool. This method of manufacturing charconl is very ancient, and has been practised in this country for centuries. The man who foumd the boly of lufus in the New Forest was a chareoal burner, and his descendants followed the oecupation up to the close of the last century. Large quantities of charcoal are also produced by the distillation of wood in close vessels, in the manufucture of pyroligneous acid and wood naplitha. Coke is an impure variety of charcoal. The elarconl used in the manufacture of gunpowder is made of the young branches of various plants, the lighter and more vascular parts-exce ting the bark, which contains more salts than the rest of the treo-being selected. These woods are charred in
iron vessels at high temperatures, and the product reduced to an impalpable powder.
The economical uses of wood charcoal are considerable. It has powerful disiufectant and decolorising properties, nud arrests putrefaction in animal and vegetable substances. These qualities appear to depend on its extraordinnry power of absorbing gases, particularly those w ich are the result of putrefaction. Thus 1 volume of charconl will absorb 90 volumes of ammoniaeal gas, and 55 volumes of sulphuretted hydrogen, giving off theso products on being heated. Ilenco charred cask are the safest vessels for water to be used in by sea voyagers, and piles charred at the end are much more able to resist rot than uncharred wood. Disagreeable odours are eliminated by charcoal. It also absorbs colours. Hence its power of bleaching water, and its familiar use as a tilter. Its properties are most notable in proportion to its lightness, which varies greatly with its origin, since its specific gravity when solidified is $3 \cdot 5$ while some kinds of porons charcoal are as low as $\cdot 44$.
Animal charcoal is obtained by submitting certain animal substances, generally bones, to a red heat, the vessel containing the material being elosed. The product when obtained from bones is called bone black, or ivory black.

The extraordinary decolorising power of animal charcoal does not depend on the mere faet that the substance is carbonised, but on the minuteness to which the division of particles is carricd. This division in the case of ordinary bone black is effeeted by the phosphate nad carbonate of lime contained in the product, which being intimately blended with the eharcoal, though only in a state of mechanical combination, render the surface of the charcoal, in which the decolorising power cousists, more extended. By far the most power ful form in which animal charcoal can be obtained is from the ignition of dried blood, hair albumen, and similar animal substanses, with curbonate of potassa, and washing the product. Such a kind of charcoal, when compared with the decolorising power of ordinary bone black, the latter being taken as mity, exercises twenty times as mnch power in decolorising sugar, and fifty times as much in producing the same effect on a solution of indligo. If, however, the substance combined with the charcoal undergoes fusion, ned so permanently conts the suriace of the charcoal, the product is worthless.
Animal charcoal has great value in the art of the sugar retiner, in that of the dyer, and in various departments of economical chemistry.

CIIARLESTON. A city and sea-port of the United States, in South Carolina, in 'at. $32^{\circ} \cdot 16^{\prime} 33^{\prime \prime}$ N ., long. $79^{\circ} 49^{\prime} \mathrm{W}$. Population in 1860, 51,200 , including the suburbs of Neck \&c. beyond the limits of the city.
The situation of Charleston is not unlike that of New York, being built on a point of land between the Ashley and Dooper rivers, at their point of contluence. The exports principally consist of cotton and rice (particularly the former), which are the staple products of the state. There are a few other articles exported, such as naval stores, hams, bacon \&c., but their value is inconstderabte. All the cotton sent from South Carolina to forcign countries is shipped at Charleston. In the year ending August 31, 1857, the shipments of cotton to forcign countries amounted to 229,185 bales; the shipments of cotton coastwise during the same vear were estimated at 169,348 bales. But during and since the civil war which elosed in 1865 the state of her trade has been abnormal. The imports from

## CHARTERPARTY

foreign countries principally consist of cottons, woollens, linens and silks, hardware, iron and steel, coffe, sugar, tea, wine, spices \&e. The greater part of the imports do not, however, come from abroad, but from the Northern and Middle States. The former supply her with tisl, shoes, and a! sorts of coarse hannfactured goods for the use of the slave population; while the latter supply her with wheat, flour \&e. The largest portion of the imports of forcign produco is also brought at second-hand from New York, which oceupies the snine rank in the Union that Liverpool and London do in Great Britain. In South Carolina the dollar is worth $4 s .8 \mathrm{l}$. eurreney, so that 11 . sterling $=11$. 0 s. 83 I, eurreney. Weights and Measures same as in England. [New Yonk.]

Port.-Charleston Ifurbour is spacious and convenient; but the entrance to it is ineommoded by a range of sandbanks, stretching from Sullivan's Island on the north to loully Island on the south, about 2 of leagues. There are several channels through these banks, but only three (the middle or direet channel, the ship channel, and Lawtord channel between the latter and the mainland) that ought to be attempted by ships of considerable burden. The entrance to the ship channel is in lat. $3: 0^{\circ} 10^{\prime}$. The deptl of water on the shalloweat part of the bar at ebb tide is 12 feet, and at flood from 17 to 18 feet; whilst the depth in the middle chamel at low water does not exeeed 9 feet, and in Lawford channd it does net exceed 10 or 11 feet. There are two lights on Morris Island, lat. $32^{\circ} 41^{\prime} 56^{\prime \prime}$ N., Jong. $79^{\circ} 52^{\prime} 29^{\prime \prime} \mathrm{W}$., and on the west of the Ship channel. There are two lights on the east end of Charleston Battery, and two in Charleston harbonr. But the lighthouse system of this, like that of the otber harbours in the Southern states, has been deranged by the late war. After getting into the channel, which is marked by the breakers and buoys on each side, the proper course for a slip to stecer is to bring the lighthouse to bear NW. by W., and stand slirect for it till you get within the banks, when the course is N. by W. But it is unnecessary to enter into further details on these points, as all ships entering Charleston harbour are bound, provided they are hailed by a licensed pilot ofl' the bar, to pay him full pilotage fees, whether they accept his services or not. In point of fact, however, they are nlways aceepted: for the shifting of the sands, the influeneo of the tides dec. render the entrance so dithicult to those not perfectly familiar with it, that even the packet ships that sail regularly to and from New York uniformly heave-to without the bar for a pilot.
Ships usually moor alongside quays or wharves, where they are in perfeet safety.
Shipping Charges.-The charges of a public nature paid by ships entering this port differ but little in amount on a nativo and a foreign ship. On a vessel supposed to be of 300 tons burden, mitering, unloading, taking on board a mixed cargo and elearing out, they would be as under:-
Fee on mity at the Cuctom hoiser shorceor's fee, on a forfitn ship d.tto, on a natse ship 1' ubonr master's fue -
Fees on clearance at when required
of a natlve s.oi)
Pilotage inwards and a foretis ship Flotage inwards and ottwards supposing


The difference in the fees on the clearance at the custom-house of a native and a foreign ship is owing to the former being obliged to give certain touds which are not required of the latter.

The greater or smaller tonnage of the ship makes no difference on any of the above charges except that of pilotage, which is in proportion to her dranght of water, and is the same whether for a foreign or a native ship.

Harhour fees are $1 \frac{1}{2}$ cent per ton, according to the tonnago in the yessel's register or papers, on all vessels of the United States, and upon all foreign vessels entering upon the same terms as vessels of the United States, payable every voyage, excepting steamboats and packets, and other vessels performing regular unccessive voyages from Nortl Carolina and Georgia, whieh vessels pay 1 per cent. per ton, once in every quarter. liees to be paid at the harbour-master's othiee 48 hours after arrival. All other foreizn vessels not entering upon the same terms as vessels of tho United States pay double, or 3 cents per ton. All vessels owncl in the State of South Carolina, and stcadily plying or trading within the limits of the same, are exempted from the above fees. (See Mr. Fdwards's excellent British Shipmaster's Guide, Longmans, 1866.)

Rates of Commission. -'The rates of commission or factorage usually charged and allowed at Charleston on transaeting diflerent sorts of business are as follows, viz-
For selling domestic produce, $2 \frac{1}{2}$ per cent.
For selling foreign merchandise, 5 per cent.
For guarantecing cither of these sales, $2 \frac{1}{4}$ per cent, additional is commonly allowed.
For purchasing with funds in hand, or drawing domestic bills for reimbursement, $2 \frac{1}{2}$ per cent. For purchasing goods and trawing foreign bilk for reimbursement, 5 per cent. is charged.
For the sale of real or personal estate, the regular charge is 5 per cent. ; but where the property to be sold is of any considerable value, the parties in general enter into an agreement beforehand, mid a much lower rate of commission is allowed.
CllALT'(Ger. seekarten; 1)utch, zeekarten; Fr. ca ces marines; lal. carte marine; $S_{p a n}$, and Port. cartes de marear). I'his term is properly' applied to a projection of some part of the sar, as the term Map is to a portion of the land; wherefore charts are sometimes denominated "IIydrographical Maps.' Tney are (listinguished into several kinds, as plane, globular, and Mercator charts.

CIIARTEPPARTY The name given to a contraet in writing, between the owner or master of is ship and the freighter, by which the former lires or lets the ship, or a part of the ship, under certain specified conditions, for the conveynnce of the goods of the freighter to some particular phace or places. Generally, howeser, a charterparty is it contract for the use of the whole ship: it is in commercial law what an indenture is at common law.

No precise form of words or set of stipulations is requisite in a charterparty. The forms subjoined to this article are those most commonly in use; but these may, and, be leed, in many cases must, be varied, to suit the views and intentions of the partics.

A charterparty is seldom under seal ; for generaily a printed or written inst rument is signed by the parties, calles a memoranduon of a charterparty; and this, if a formal charterparty be not afterwards executed, is binding. The stainp in either case is the same.

Charterparties, when ships are let or hired at the piare of the owners' residnnee; are generally
 shig, is in a foreign,$\ldots$, , chartertuy neeesbarily be exeeuterl by ti maste", arturn merchant or his agent, unless ila owaces hat:
an agent in sucl net for them in A charterpart when he is in a the ship's empl cuinstances whi or when it is m cumstances whie or implied assen the latter. But, no direct action strument itself signed and seale thorise the maste to enier into th tinetly axpressed only as agent.

When a ship is several persons, cuted by each, o action for non-pel party be not exp partics, but runs dented witnesseth with consent of A the ship to freigh ment contains cov A and B ; in this aetion upon the c with thein; but m cannot be sued upo proper form.
The general rul struction of this, ments, is, that thei agreeable to the re conformable to the of the particular relates.

The charterparty of the ship; and by of 1681 it is requi Molloy (bk, ii. ch. i by the ton, and found the payment shall and if a ship be fr abouts, the addition author) is commonl less; but it is novi ' register measuremg
The usual covenar whrthy, and in a cond the owners to prepra to commence and fu the charterparty con wher of tho vesse bound, as a carrier, to be tit to perform th le should give notid from losses occasione hts vessel, unless s want of ordinary if his ship were not In ali maritime the utmost consequ thelay, the object or last; and therefore, of the time appointe the other may seek bring an action to $r$ sustained.
The nlanner in wh cargo is, for the m custom and usage of it, unless there be an charterparty with res ever, the owner is bo
an agent in such port, having proper authority to act for them in such matters.

A charterparty made by the master in his name, when lie is in a foreign port in the usual course of the ship's employment, and, therefore, under circumstances which do not afford evidenco of fraud; or when it is made by him at home, under circumstances which afford evidence of the expressed or implied assent of tho owners; is binding upon the latter. But, according to the law of England, no direct action can be maintained upon the instrument itself against tho owners, unless it be signed and sealed by them, or unless they authorise the master (or agent, as the case may be) to enier into the contract, and unless it be distinetly expressed in the charterparty that he nets only as agent.
When a ship is chartered by several owners to several persons, the charterparty should be executed by each, or they will not be lisiole to an action for non-performance. But if the charterparty be not expressed to be made between the partics, but runs thus-'This charterparty indented witnesseth, that C , master of the ship W , with consent of $A$ and $B$, the owners thereof, lets the ship to freight to E and F,' and the instrument contains covenants by F and F to and with $\Lambda$ and $B$; in this case $A$ and $B$ may bring an action upon the covenants expressed to be made with thein; but unless they seal tho deed, they cannot be sued upon it. This, therefore, is a very proper form.
The general rule of law alopted in the construction of this, as of other mercantile instruaents, is, that the interpretation should be liberal, arrecable to the real intention of the parties, nnd conformable to the usage of trade in general, and of the particular trade to which the contract relates.

The charterparty usmally expresses the burden of the ship; and by the frmous Fiench Ordinance of 1681 it is required to do so. According to Molloy (bk. ii. ch, iv. s. 8), if a ship be freighted by the ton, and found of less burden than expressed, the payment shall be caly for the real burden; and if a ship be freighted for 200 tons, or thereabouts, the addition of thereabouts (says the same author) is commonly reduced to five tons more or less; but it is now usual to say so many tons 'recrister measurement.'

The usual covenant, that the ship shall be seaworthy, andin a condition to carry the goods. binds the owners to prepare and complete every thing to conmence nind fultil the voyage, But though the charterparty contained no such covenant, tho nwner of the vessel would be, at common law, bound, asa carrier, to take care that the ship should be fit to perform the voyare; aud even though he should give notice, limiting lis responsibility from losses occasioned to any cargo put on board his vessel, unless such loss should arise from want of ordinary care \&e., he would be liable if his $\mathrm{s}^{\mathrm{h}} \mathrm{ip}$ ) were not seaworthy. [SEawonthy.]
In ali maritime transactions expedition is of the utmost consequence; for even by a sloort delay, the object or season of a voyage may be lost; and therefore, if either party be not ready by the time appointed for the loathing of the ship, the other may seek another ship or eargo, and bring an netion to recover the damages he, has sustained.
The manner in which the owner is to lade the cargo is, for the most part, regulated by the custum and usage of the place where he is to lnde it, unless there be any express stipulation in the charterparty with respect to it. Genernily, how ever, the owner is bound to arrange the diflerent
articles of the cargo in the most proper manner, and to tako the greatest caro of them. If a cask be accidentally staved in letting it down into the hoil of the ship, the master must answer for tho loss.

If the owner covenants to load a full and completo cargo, the master must take as much on board as he can lo with safety, and without injury to the vessel.
The master must not take on bonrd any contraband goots, whereby the ship or cargo may bo liable to forfeiture and detention; nor must ho tako on board any fals. or colourable papers ; but he must take and keep on board all the papers and documents required for the protection and manifestation of the ship and cargo by the law of the countries from and to which the ship is bound, by the law of nations in genernl, or by any treaties between particular states.
If the master receive gools at the quay or beach, or send his boat for them, his responsibility commences with the receipt in the port of London. With respect to goods intended to be sent coastwise, it has been hell that the responsibility of the wharfinger ceases by the delivery of them to the mate of the vessel upon the wharf. As soon as le receives the goods, the master must provide adequate means for their protection and security ; for even if the crew be overpowered by a superior foree, and the goods taken while the ship is in a port or river within the country, the master and owners are liable for the loss, though they may have committed neither fraud nor fault. 'This may seem a harsh rule; but it is necessary, to pnt down attempts at collusive or fraudulent combinations.
The master must, according to the terms of the charterparty, commence the voyage without delay, as soon as the weather is fivourable, but not otherwise.

The conrts of law have recently given some important decisions on the subject of delay, and other contingencies arising from local customs.
Thus there is a custom at Neweastle that coal should be loaded by turns. In $n$ case in which the cargo was to be coke, and an action was bronght for delay, the Court of Common Meas held that there slould be evidence allegel that the custom extended to coke.

Again, it was held that, a custom prevailing at Liverpool, by which 3 months' interest or discount might be deducted from freights payable under bills of lading on goods comiug from New Orleans, and a shipowner demanding a full freight, the Court of Queen's Bench held that the custom was not renupnant to the written coutract.

Agan, when it was agreed by the charterparty that the ship'should load with alt possible despateh in the customary manner a full and complete cargo of coke, to be loaded in regular turn,' it was held that evidence was not admissible to show that, according to a custom at the port of lading under a contrict so framed, the shipowner was bound (provided reasonable despatch was usel) to wait his turn, according to a list kept by a coke manufacturer, who was not named in the contract, but whose name wns mentioned at the time when it was entered into. The court held that such evilence wonld be inconsistent with the terms of the charterparty. (Mande and Pollock, p. 233.)

Several important decisions have been made, subsequent to the liussian war, on the fulfilment of the terms of a charterparty after a declaration of war, and an afreemcat, made, previous to this declaration, to sail to a port which, by the fact of war being deelarel, became hostile. In the case of lixposit ' $v$. Bowen it was decided by the Court of

Queen's Bench that the plea alleged was not sufficient, for that the contract might have been performed either by purchasing a cargo before notice of declaration or from a British subject at Odessa. But the Court of Exchequer Chamber, on appeal, reversed this decision, on the ground that a shipment of cargo from an enemy's port was, primâ facie, illegal, and therefore that the contract was dissolved, (Maude and Pollock, p. 247.)

For the effects of blockade on contracts of affreightment, see Contradand and NeutraITY.
Sometimes it is covenanted and agreed upon between the parties, that a specified number of days shall be allowed for loading and unloading, and that it sliall bo lawful for the freighter to detnin the vessel a further specified time, on payment of a daily sum as Demurrage. If the vessel be detained beyond both periods, the freighter is liable to an action on the contract. The rate of demurrage mentioned in the charterparty will, in general, be the measure of the clamages to be paid; but it is not the absolute or necessary measure; more or less may be paýable, as justice may require, regard being had to the expense and loss incurred by the owner. When the time is thus expressly ascertained and limited by the terms of the contract, the freighter is liable to an action for damages if the thing be not done within the time, although this may not be attribut able to any fault or omission on his part; for he has engrged that it shall be tone. (Abbott On the Law of Shipping, part iii. c. 1.)

If there has been any uadertaking or warranty to sail with convoy, the vessel must repair to the place of rendezrous for that purpose; and if the master neglect to proceed with convoy, he will be answerable for all losses that may arise from the want of it.

The owners or master should sail with the ship for the piace of her destination with all due dilifence, and by the usual or shortest course, unless in cases of convoy, which the master must follow as far as possible. Sometimes the conrse is pointed out in the charterparty. A deriation from the nsunl course mny be justified for the purpose of repairs, or for avoiding an enemy or the perils of the sens, as well as by the sickness of the master or mariners, and the mutiny of the crew.

By an exception in the charterparty, not to be liable for injuries nrising from the act of (iod and the queen's enemies, the owner or master is not responsible for any injury arising from the sea or the winds, unless it was in his power to prevent it, or it was occasiened by his imprudence or gross neglect. 'The question,' said Lord Mansfield, in an action brought by the East India Company, ' is, whether the owners are to pay for the damage occasioned by the storm, the act of God; and this mast be determined by the intention of the parties. and the nature of the contract. It is a charter of freight. The owners let their ships to hire, and there never was an idea that they insure the cargo against the perils of the sea. What are the obligations of the owners which arise out of the tuir construction of the charterparty? Why, that they shall be liable for damages incurred by their own fault, or that of their servants, as from defects in the ship, or improper stowage \&c. If they were liable for damages occasioned by storms, they would become insurers.' 'The Ilouse of Lords contirmed this doctrine by deciding (May 20, 1788) that the owner is not liable to make satisfaction for damage done to goods by storm.

The expression perils of the sea is held to cover the following losses :-A 'Joss by pirates,' "accidental collision,' 'the swell of the tide in a
dry harbour,' 'the wilful but 10 barrstrous act of the crew in throwing balla soverboard,' and a stranding reuderel necessary by luakage produce! by the carcless loading of the ca-go.
But on the other hand it was not held to include losses caused by the injury of worms at sea, by another vessel firing into the ship by miatake, or injury to goods by rats. Losses when a vessel has been under repair on the beach, or by alteration in the banks of a mavigable river due to matural causes, or by the rising and failing of a vessel witk the tide while inoored in haxbour, are not losemes by sea perils.

In one case when tho defeadants agreed the (xamvey some boxes of gold-dust from the Ptwicic acress the Isthmus of Pansma to Londen, ned provided against robbers, dangers of moads, of what soever nature or kind, the court helid that robioms did not protect the defendants from liability for then loss of one of the boxes atolen from a railway truel between Southampton and London, for that robber meant robber by force, and danger of reade must be that arising from the condition of roadis, e.g. the overturning of carriages.
The charterer of a ship may lade it everher with his own goods, or, if he have not sufficiment, may take in the goods of other persons, or (if avat prevented by a clanse that that effect in the sharterparty) he may whollse underlet the ship to unother. (Frr further details, see thbontt On the Law of Siopping, part iii. c. 1; Chitty's Commereial Lave, vol. iii, e 9 \&c.; and the articles Bill of Laping; Fielgut, Master, de.)

Forms of Charterparties.-The following is one of the most usual forms of a charterparty:-
'This charterparty, indented, made \&c. between A B, \&c mariner, master, and owner of the gool ship or vessel, callied \&c. now riding at anchor \&c. of the burden of 200 tons, or thereabouts, of the one part, and C D of \&c. merchant of the other part, witnesseth, that the said A B, for the consideration hercinafter mentioned, hath grantel and to freight letten, and by these presents doth grant and to freight let, unto the said CD, his executors, administrators, and assigns, the whole tonnage of the hold, stern-shects, and half-ieck of the said ship or vessel, called dc. from the purt of Londom to $\& \mathrm{c}$, in a voyage to be made by the said AB with the snid ship, in manner hereinafter mentioned. (that is to say,) to sail with the first fair wind and weather that shall happen after \&c. next, from the port of London with the gronts and merchandise of the said C D, his factors or assigns, on beard, to de. aforesnid (the act of God, the queen"s enemies, fire, and all and cvery other daugers and accidents of the seas, rivers, and navigation, of whatever nature and kind, in so far as ships are linble thereto, during the said voynge, always exsepted), and there unlade and make discharge of the said goods and merchandises; and also shall there take into and on board the said ship again the goods and merchandises of the said C D, his factors or assigns, and shalt then return to the port of London with the said goods, in the space of \&c. limited for the end of the said voyage. In consideration whereof, the said C 1), for himself, his executors and administrators, doth covenant, promise, and grant, to and with the said A B, his exceutors, administrators, or assigns, by these presents, that the said C D, his executory, administrators factors, or assigns, shall and will well and truly jot, or cause to be pahl, unto the said A B, his executors, administrators, or assigus, for the freight of the said ship and goods, the sum of de. (or so much per ton), within twenty-one days after the said ship arrived, and gonds returned, and discharged at the port of London
aforesaid, for also shall and shall be by d factors or avsig and every dey, the said A $1 s$ : ndministrators, to and with $t$ ministrators, an the said ship or of London to ta or before \&c. ne for himself, his within 10 days be thas ready, said ship, tiopr also, on arrival days to have his said ship. to retur said $A \quad I B$, for ministrators, doth and with the sai tmotors, and assig now is, and at all he, to the best en his exceuters an and their own prs things made and l apparelled, furnish mell and mariners s and govern the sa nigging, boats, tac provision, nnd appu for the said men a
ship during the voy
The great variety different voyages ar mif diversity in char of which the follow example of the more struments :-
'It is this day mu B. Kann, owner of th the Mermaid, Willis measurement of 472 the river Thames, an firm of Messers. Thom of Mauritius, mercha tight, staunch, and s for the voyage, shall sail and proceed to convicts out to New troops, merchandise, mentioned port of Ca at Madras on her w owner's account, or so safely get, and there aill merchants at Ca carto of rice, or any o darterer engages to same to l'ort Louis, deliver the same free there $a$ fill and compl ot other lawfinl merchi aage, which tho char exceeding what she arty orer and aboy Tsions, and furniture therewitls proceed to 1 . ds she may safely get being paid ftelght, yiz. qqual to the uctunl guai that may be shipped $3 / 12 s, 6 d$ per ton of 2 notshould the ressel de port of London than th goods, actually slipped
aforesaid, for the end of the said voyage; and also shall und will pay for demurrage (if any shall be by default of him, the said C D, his factors or ansigns) the sum of \&e. per day, daily, and every dey, as the same shall grow due. And the snid A 15, for himself, his exccutors and administrators, (loth covenant, promise, and grant, to and with the said C D, his executors, administrators, and assigns, by these presents, that the saill ship or vessel shall he ready at the port of London to take in goods by the said C D, on or before \&e. next coming. And the said C D, for himseif, his \&c. doth covenant and promise. within 10 days after the said ship or vessel shall lee thus ready, to hnve his goods on board the said ship, to proceed in the snid voyage; and Also, on arrival of the said ship \&c. within \&c. davs to have his goods ready to put on board the snid ship. to return on the said voyage. And the aid A IB, for himself, his executors and administrators, doth further covennnt and grant, to and with the said C D, his executors, ndministrators, and assigns, that the said ship or vessel now is, and at all times during the voyage shall be, to the best endeavours of him, the said A 13 , his executors and administrators, and at his and their own proper costs and charges, in as things made andl lept stiff, staunch, strong, wellapparelled, furnished, and provided, as well with men and mariners sutficient and able to sail, guide, and grovern the said slip, as with all manner of risging, boats, tackle, and apparel, furniture, pruvision, and appurtenances, fitting and necessary for the said men and mariners, and for the said ship duriug the voyage aforesaid. In witness de.'
The great varicty of circumstances under which different voyages are made produce a correspondinct diversity in charlerparties. 'The charterparty of which the following is a copy affords a goed example of the more complex species of these an-stmments:-

- It is this day mutually agreed between Mr. T B. Kann, owner of the good ship or vessel called the Mermaid, William Henniker master, of the measurement of 472 tons, or thereabouts, now in the river Thames, and Mr. David 'Ihomson, of the firm of' Messrs. Thomson, Passmore, and Thomson, of Mauritius, merchants, that the said ship, being tight, staunch, and strong, and every way fitted for the voyage, shall, with all convenient speed, sail and proceed to Calcntta, with leave to take conviets out to New South Wules, and from thence troops, merchandise, or passengers, to the aforenentioned port of Calcutta, with leave to touch at Madras on her way thither, if required on owner's account, or so near thereunto as she may sately get, and there load, from the factors of the sail merchants at Calcutta, a full and complete cargo of rice, or any other lawful goods which the charterer engages to ship, and proceed with the same to Port Louis, in the lsle of France, and deliver the same free of freight; afterwards load there a full and complete cargo of sugar in bags, of other lawtinl merchandise of as favourable tonnage, which the charterer engages to ship, not exceeding what slo can reasonably stow and arry orer mul above her tackle, apparel, pronasions, and furniture; and, belag so loaded, shall therewith proceed to London, or so near therewito as she may safely get, and deliver tho sume on being paid freight, viz, for such quanllty of sugar equal to the netual quantity of rice, or of her goods, that may be shippel at Calentta, at the rate of 3. 12s. 6 d. per tan of 20 ewt. nett, shipped there; andshould the vessel deliver more nett sugar in the port of London than the quantity of rice, or other goods, actually shipped in Calcitta, the owners to
be pail on the excess at the regular current rate of freight for sugar which other vessels, loading at the same time at Port Louis, receive; the tonnago of the rice, wheat, or grain, to be reckoned at 20 cwt . nett per ton; that of other goods at the nsual meas rement (the act of God, the quen's enemies, fire, and nll and every other dangers and accidents of the seas, rivers, and navigntion, of whatever nature and kind soever, during the said voyage, always excepted). The freight to bo paid on unloading and right delivery of the cargo, as is customary in the port of Loudon. Ninety running days are to be allowed the said merchant (if the ship is not sooner despatehed) for loading the ship at Calcutta, discharging the cargo at Port Lonis, and loading the cargo there; the said lay days to commence on the vessel being ready to receive cargo, the master giving notice in writing of the same at Calcntta, and to continue during the loading there; and from the time of her utrival at l'ort Louis, and being ready to discharge, till the final loading at that port, and to be diseharged in the port of London with all possible despateln; and 20 dnys on demurrage over and above the said laying days at $12 l$. per day. Penalty for non-performance of this agreement, 4,0006 The cargo to be brought to and taken from ailongside at the expense and risk of the merchants. The necessary cash for the disbursements of the vessel at Calcutta, not exceeding 30.0l., to be advanced by the charterer's agents; they taking the master's drafts on the owner for the same, at the regular current rate of exchange, and at three months' sight ; and if the said bills be not regularly accepted and paid when due, the same to be deducted from the freight payable by this charterparty. The vessel to be disbursed at I'ort Lovis by the chartering ngents; sum not to exceed 3001 ., free of conmmission; and the amount to be dedncted from the freight at the final settleavent at the port of Loudon. Captain not to ship goods without consent. In the event of the ship baing prevented, by damage or any other cause, reaching the Manritius on or before the 1st day of January, 1843, the charterer or his agents shall be at liberty to employ the vessel for one or two voyages to Calcutta, at the rate of $2 l$. per ton of rice, or other goods, delivered at Mauritius. Ififty running days, to load and discharge, to be allowed on each royage; it being understood that tho charterer or his agents shall load the ship, ns before agreed, either nt the end of the first or second voyage, as the case may be. The freight on the intermediate voyages (if any) to be paid on delivery of the cargo, in cash, or by bills on London at usance, at the option of the master. The vessel to be addressed, both at Calcutta and Isle of Frauce, to the agents of the charterer. In witness whereof, the said parties have hereunto set their hands and seals, at London, the ind day of December, 18.11 .'

Stamp Duties on Charterparties.-By the 55 Geo. 1II. c. 184, charterparties were made liable to a duty of 11. 15s. In case the document contained more than 2,160 words, every entiro quantity of 1,080 words above the lirst 1,080 was liable to a further stamp duty of 17.5 s .

But by 5 \& 6 Vict. c. 79 these dulles were repunled, and in place it was enacted that every ehurterparly, or urrecment or contract for the clarter of any ship, and every memorandum, letier, or other writing between the captain, sumster, or owner of anty slip and any $n^{+1}$ a persons for or relating to flie freight or er aveyance of any moneys, goods, or elfecis on board any ship, intist be stamped with \& 5y, sfamp. Hy 28 at 29 Vict. c. 96 , the divig wif furthe findiceif from
bs, to $6 d$. The stamp may be impressed, without the payment of any penalty, within 14 days after the charterparty bears date, and has been executed by the party who first executed it. Within a inothth from this time the stamp may be obtained on payment of a penalty of $10 l$.: beyoud this period it cannot be affixed at all.

CLIAY OH CHOY ROOT. The roots of a small biennial, rarely triemial, plant, the Oldenlandia umbellata, Nat. Order Rubiacca, growing spontaneonsly in light, dry, sandy ground near the sea; and extensively cultivated, especially on the coast of Coromandel. The cultivated roots are very slender, and from 1 to 2 feet in length, with a few lateral fibres; hut the wild are shorter, and supposed to yield one fourth part more of colouring inatter, and of a better quality. The root gives a yellow colour to cold, a reddish to hot water, which becomes bright red by alkalis. The basis of the dye is alizarine. The roots are employed to dye the durable reds for which the Indian cotton yarn and chintzes have been long famous, and which can only be equalled by the Turkey red.
Chay root forms a considerable article of export from Ceylon. Only a particular set of people are allowed to dig it. It nsed to be all bought up by ( dovermment, who paid the diggers a tixed price of 75 or 80 rix-dollars a candy, and sold it for exportation at about 175 rix-dollars. (Ibertolacei's Ceylon, p. 270.)

This root has been imported into liurope, but with no success. Dr. Bancroft suspects it may be injured by the long voyage; but lie adds, that it can produce no effect which may not be more cheaply produced from madder. It is a very bulky article, and is consequently burdened with a very heavy freight. (Permanent Colours, vol. ii. pp. 282-303.)

CHECKS, CILEQUES, or DRAFTS. Orders addressed to some person, generally a banaker, directing him to par the sum specitied in the check to the person named in it, or bearer on demand. The following is the usual form :-
E100.
Pandon, 10th November, 1853.
Pay A. Bs $q$, or bearer, One Mhendred Pounds on account of
C. $I$.

## Messrs. Glyn, Mills, rud Co.

In point of furm, checks nearly resemble bills of exchange. They are assignable by delivery only, and are payable instantly on presentment, without any days of grace being allowed. But by the custom of Lonton, a banker has until if of the afternoon of the day on which a check is presented for payment, to return it; so that where a check was returned before 5, with a memorandum of 'cancelled by mistake' written under it, it was held a refusal to pay. If a check upon a banker be lodged with another banker, a presentment by the latter at the clearing-house is suthicient. Checks are usually taken conditionally as cash; for unless an express stipulation be made to the contrary, if they be presented in due time and not paid, they are not a payment. It is diflicult to define wbit is the due or reasonable time within which checks, notes, or bills should te presented. A man, as Lord Ellenborongh has observed, is not obliged to neglect all other business that he may immediately present them: nevertheless it is the safest plan to present them without any avoidable delay; and if received in the place where jayable, they had better be presented that day, or next at furthest. If a eheck be not presented within a reasonable time, the party on whom it is drawn will be justified in refusing to pay it; and
the holder will lose his recourse upon the drawer. (Clitty On Commercial Lau, vol. ili. p. 591: Woolrych On Commercial Lan', ch. iii, s. 2 de.)

In consequence of the alteration of the law effectell by the $16 \& 17$ Vict. c. 59 , checks were for a time of two sorts, viz. those on unstamped or plain paper, and those on paper impressed with a perny stamp.

1. In plain checks the place of issue and the date of issue had to be correctly stated, and to be drawn upon bankers having their place of business within 15 miles of the locality where the cheeks are issued; and not payable to order, but to bearer.
2. Chiecks on stamped paper enjoyed sundry privileges. Thus it was not necessary to atlix the date or the place of their issue; they might bo drawn upon any one, whether banker or not: they might be issued at any distance from the place where they were to be paid; and they might be payahle either to bearer or to order. If made paynble to order, it was essential that they 'purnort to be indorsed' by the payee; but the party on whom they were drawn, provided he was a banker, was not boand to enquire whether such indorsement was genuinc. By 2 I Vict. c. 20 the staup duty is extended to all checks.
If the party on whom a stamped check payable to order is clrawn be not a banker, his responsibilities are not affected by the lato Acts, and we apprehend that to make himself secure he should be satistied, before paying the elocek, of the anthenticity of the signatare of the payee.

The system of drawing checks on a balance hell by a banker is almost peculiar to our monetary system. The practice commenced about a century ago, when the london bankers adopted it in place of issuing their own notes. It is only, however, within the last twenty years that the use of the check-buok has become almost universal, not only with traders, but with professional men, and even those who have lixed incomes, though of small amount. The exchange of cheeks [Clearina LIouse] has greatly aided the gencral adoption of the banking and cheek system.
To the economist and the merchant the check system presents nome striking phenomena. It has infinitely facilitated business transactions; but it has also had a remarkable effect on the metallic and paper currency, econcmising the former, and contracting the latier, even under the circumstances of an incredible increase of home and foreign commerce.

In consequence of questions having arisen as to the legal effect of crossing a cheque, the 21 d 22 Vict. c. 79 provides that $n$ cheque crossed with the name of a banker should be paid only to that banker; and if erossed with the words 'and Company, or any abbreviation thereof, then only to some banker. [Banks.]

CHEESE (Ger. käse; Dutel, kaas; Fr. fromage; Ital. formaggio, cacio; Span.queso; liuss. sur; Lat caseus). The curd of the milk separated from the whey, or pressed or hardened. It has been used as nn article of food from the carliest ages; wast quantities of it are consumed in Great Britain, and in most countries of Europe.
There is an immense variety of cheeses, the qualities of which depend principally on the richness and flavour of the milk of which they are made, and partly on the way in which they are prepared. Linghand is I articularly celebrated for theabundanceand excellence of its cheese. Cheshire and Cloucestershire are, in this respect, two of its most famous connties: the cheese produced in the former has been estimated at 14,000 tons ayear. There are two kinds of Gloncester cheese, double and single; the lirst is made of the milk
and eream, the half the crenm. denthe generall single, or Berkel ont of fashion, $n$ chrese is also Which borders Wiltalime. The Chreshire cheese tiloncestershire c lation from the ec cheese, somewha at Chedelar in So pale or coloured, a the largest price. stilto! is made the villages roun reckoned sulficien be two years old; dreayed, blue, and made at Leigh, in male in Eagland, name, either from quality, are the somilam cheeses. chrees, of a pecul where they are m Bith, York, and Bue hur their ercam chee and lanbury in Oxt fur these cheeses; made in it, very larg ti) London and Birn distinguished for its Ecofliand is not ee Dust is ealled Dunlo lyshire, where it w biminp cheeses gener end; amd are, in mo t Derbyshire, except Cheeses made to resen extensively produced Large quantitios of duced in IIolland. heear, which is rechon wifrochloric acid is fistead of remet. Tl rriserves it from mi called from I'arma in purel, is merely a ski is rich tlavour to the 1 alnog the Po, where limmesan cheese is kel a cere carried to man
months ofd. Swisa monthes ofd. Swiss cl saminated Girayere, f sirayere checeses are of Winmed milk, and are chlerally weigh from Beked for exportatios dueceses cach.
Accordinger to Mr. Ma produce of checse from and is from 3 to 4 cwt . Weiglit of the butter. Shitistical Account of 'B momuted, previonsly ts but in that year the de a briti.h possession was in 813 the duties were ls, tid. per ciwt. respectiv forts and from Irritish the duty on eheese fro rurther reduced to $2 s$, Go rbelly abolished in 185
and cream, the latter of the milk depriver of ahont fall' the cream. 'Ihey nre of varions sizes: the dowile generally run from 30 to diths., and the single, or Berkeley, which are, however, fast going out of fashion, average 16 lbs. $\Lambda$ great deal of cherese is also mate in thint part of Shropshire which borders upon Cheshire, and in North Wiltshire. The former goes ualer the name of Cheshire cheese; the latter was, till lately, called tinncestershire cheese : now it receives its appellition from the county where it is male. A strong cheso, somewhat resembling l'armesan, is made at Chefllar in Somersetshire. This sort is either pale or coloured, and being much in favour brings the largest price. The celebrated rich cheeso called stilton is made in Leicestershire, principally in the villages round Melton Mowbray, It is not reckonel suthiciently mellow for cutting unless it lue two years old; and is not saleable unless it be weryed, blue, and moist. A rich cheese is also mate at Leigh, in Lancashire. The other cheeses made in Enchland, which have aequired a peenliar mame, either from the quantity made or from the guality, are the Derbyshire, Cottonhan, and southam cheeses. I'he hast two are new milk cherese, of a peculiarly tine thavour: the places where they are made are in Cambridgeshire. Bath, York, and Buckinghamshire are remarkable lur their cream cheeses. The county of Warwick, and Wanbury in Oxtordshire, are also remarkable fir these cheeses; the former for the quantity made in it, very large supplies being sent from it to London and lirmingham. Banbury cheese is listinguished for its richness.
Ecotland is not celebrated for its checse; the bot is called Dunlop cheese, from a parish in lyr:life, where it was originally manufactured. Whulop cheeses generally weigh from 20 to 60 lbs . carlı; and are, in most respects, similar to those of Derbyshite, except that the latter are smaller. theeses mate to resemble those of Dunlop are now extensively produced in other parts of Scotland.
larce quimetities of rery good cheese are produced in llolland. In the manufacture of Gouda Weerf, which is reckoned the best made in Jlolland, hilromfloric acid is used in curdling the molk distead of rennet. This renlers it pungent, and arsers it from mires. Darmesan cheese, so callad from l'arma in Italy, where it is manufictured, is merely a shim-milh cheese, which owes is rich tlavour to the fine herbage of the meadows alng the Po, where the cows feed. The best barmesan checse is kept for 3 or 4 years, and none is ever carried to market till it be at least six muthis old. Swiss cheese, particularly that detominated Gruyire, from the bailiwick of that nime in the canton of liriburg, is very celebrated. lingere cheeses are made of skimmed or partially thimed milk, and are flavourcd with herbs. They sentrally weigh from 40 to 60 lbs cach, and are packed for exportation in casks containing 10 diveres each.
Acordingr to Mr. Marshall, the average yearly poduce of cheese from the milk of a cow in England is from 3 to 4 cwt ., or more than double the weight of the butter. (For further details, see Sudistical Account of British Eunpire, i. 501, 3rd ed.) The duty on all deseriptions of foreign cheese mbuntel, previonsly to 18.52 , to 10 s . $6 \mathrm{c} l$. per ewt.; tht in that year the duty on checse imported from a british possession was reduced to 2 s . bd. per ewt. lu 1813 the duties were fixed at 5 s . per cowt. nud ls. did. per cwt. respectively on clieese from fureign parts and from lritish possessions. And in 18 in the duty on cheese from a foreign comntry was further reluced to 2ss. 6it, per cwt. 'The duty was whully abolished in 1859.

In 1860, 872,312 ewts. of cheeso wero imported into the United Kingdom, of the value of $2,801,5791$. Of this vast nmount, 415,221 ewts, came from tho North Atlantic ports of the United States, and 426,559 ewts, from 1 olland. The average valuo of American cheeso was $3 l$. tis. 8ol. per ewt.; of Huteli S. 1s.9d. In 1867 the imports had swelled

CllElililis. The fruit of a tree (Prumus Cerasus, Limm.) too well known to require any description.
'They derive their name from Cerasus, a eity of lontus, whence the tree was brought tyy lacollus, about half a century betore the Christian ara. It soon after spread into most parts of Europe, ant is supposed to have been carried to Britain abont a century after it came to Rome. The principal supplies of cherries for the London market are bronght from the cherry orchards in Kent and Herts. The wood of the cherry is close, takes a tine polish, and is not liable to split. (liees's Cyclopediu; Loudon's Encyclopadia of Agrisulture; de.)

CIIESTNUT, A forest tree (Fugus castanca) growing abmalantly in most parts of the southern countries of Europe. It was at one time very common in England, and is still frepuently met with. It is long lived, grows to an immense size, and is very ormamental. The wood is hard and eompact: when yonng, it is tough and flexible; but when old, it is brittle, and often shaky. The chestmut contains only a very small proportion of sap-wood; and helice the wood of young trees is found to be superior to even the oak in durability. It is doubtful whether the ruof of Westminster IIall be of oak or eliestmut; the two wools being, when old, very tike each other, and having been furmerly used nlmost indifferently in the construction of buildings. A good deal of chestrut has heen planted within the last fifty years. (Tredgold's Principles of' Curpentry.)

CIIESTNU'T'S. Castanco vesca, Nat. Order Cory/acca (Fr. châtaignes ; Ger. kastanien; Ital. eastague; Span. castanas; Russ, knsclitanil: I'ol. kasztang). The fruit of the chestaut tree. Chestnuts grow in this comentry, but are very inferiur both in size and perfection to those imported from the South of Europe. In some parts of the Continent they are frequently used as a substitute for bread, and form a large proportion of the food of the inhabitants. This is particularly the case in the Limousin, in Corsica, and several districts of Spain and Italy. The inlabitants of the ldmousin are said to prepare then in a peculiar mamer, which deprive them of their astringent and bitter properties. Chestnuts imported from Spain and Italy are trequently kilu-drict, to prevent their germination on the passage. In this country they are principally served up roasted at desserts.

The chestnat is very widely disseminated, being a native of all temperate regions of Europe, Asia, and America, but not ol any part of Africa.

The chestnut contains a large quantity of stareh, a peculiar sugar, and $n$ small quantity of gluten, so small that the flour cannot be fermented. In France, where the ehestnut is of great economical importance, the large chestnat is known by the name of marron. These sorts are chietly grown in the hills of Vivarais, Forez, and Dauphiné, but being generally sold in Lyons, are called marrons de Lyon. The best chestnuts come from the neighbourhood of lérigord. There are from ten to twelve varieties of the edible chestnut.

The duty of $2 s$. a bushel on ehestunts, repealed in 1845 , produced in 1842, 3,435l. 3s. nett, showing that the consumption must have amounted to

31,351 bushels. In $18 \mathrm{Ct} ;, 67,70 . \mathrm{f}$ bushels were imported, chietly from France. The imports were valued at 27,2991 .

CHETWLER' or TSCHE'TWERT. A mensure of corn in Russia, equal to $5 \cdot 77$ Imperinl bushels; henee 100 chet werts $=72.12$ Imperimi quarters,

CIIICA RED. A colouring matter analogous to indigo, obtained from the leuves of the lifinonia Chicn, a tree fouml in Central America. It is used by the natives as a dye, and has been imported into this and other conntries, under the namo of Crnjurit.

CHICORY or SLCCOHY. The will endive, or Cichorium Intybus of Limmens. Natural Orier Synanthesea (Span, achicorin; Fr, chicorée; Ger. zichorien, wngwart; Ital. cicorin). This plant is said to be origimally a wative of China, and to have been introduced into Furope at the middle of the sixteentil ceutury. It is now found growing wild on calcareous soils in England, and in most countries of durupe. In its uatural state the stem rises from 1 to 3 feet highl, but when cultivated it shoots to the height of $\overline{0}$ or 6 feet. The root, which runs deep into the ground, is white, tleshy, and yields a milky juice. In (iermany, the Netherlamds, and Frimee, chicory has long been extensively cultivated for the sake of its root, which is used as a substitute for'collee. When prepared on a large scale, the roots are partially dried, and sold to the manufacturers of the artiele, who wash them, cut them in pieces, kiln-try them, and grind them between fluted rollers into a powder, which is packel up in papers containing from 2 oz to 3 or 4 los. The powiter has a striking resemblanes to dark groumd collee, and a strong odour of liguorice.

Chicory contains a large quantity of sugar, from 24 to 35 per cent. in the dry root. When it is kiln-ldried, and partially charred, a portion of this sugar is converted into caramel, and it is to the protuction of this substance that the peculiar properties of roasted clicory nre due. The admixture of chicory with cotlee may be detected in varions ways: 1 . by the presence of sugar ; 2 , by the large quantity of silica contnited int its ash; 3. by the red colour of its ash, due to the presence of iron; 4. by the fact that it gives a colour to cold water, in consequence of the earamel produced by ronsting; 5 . its structure may be detected under the micruscope.
Chicory is destitute of the peculiar properties of collee, those, namely, which render the latter exhilarating and restorntive. It givea only bitterness and colour to the infusion. Hence, as it is a cheap product, and wns not till lately subject to an excise duty, it is largely employed as a means for adulterating coffec.

If chicory be sold under its own proper mame, there can be no fair objection to its culture, or to its being exempted from taxation; but if it be fraudulently sold under the name of colfee, which in truth and reality is the very purpose to which it has been applied, and used ns a substitute for and a means of nilulterating the latter, then there can be no question that justice to the coffec-growers and to the public requires that this abuse should be prevented, or that chicory should be suljected to the same duty ns collee. And yet, singular ns it may appenr, the fraudulent substitution of chicory for coffee was in effect legalised by a Treasury minute of Augnst 4, 1810; and though much objected to, this minute was not rescinded till 1852 , when a now minute was issued, prohibiting the sale of coffee mixed with chicory, but allowing coffee dealers to sell the latter in parcels marked as such. But thongh a great improvement on the previous practice, this arrangement
was said not to realise all the advantages that were expected; and after a gothl deal of further enquiry and discussion a fresh minute was issued on Febriary 25, 1853, permitting the sale of chicory mixed with coffee, provided the parcels containing such eompound be labelled ' Mixtuitw of Coffere ans) Chicunty.' And notwithatanding the objections that have been taken to this minute, we do not well see what more cau be required. It is illegal to sell eoffee mixed with chicory without giving intimation that such is the case; but it parties aware of the circumstance prefer the mixture to pure enflee, it is merely an allinir of taste, to the gratitheation of which, what ever we may think of it, there can be no good otsjeetion.
In 1860 a small exeise cluty was levied on ebicory. This was gradually increased to $11.4 s .3 d$. the cwt., or to nearly the same rate ns the customs daty on coffee. But the produce of the excise tax on chicory in the year ending March 31, 186t, was only 13,2731 . Foreign chicory when raw or kilndried pays 12.6 s , $6 \boldsymbol{d}$, the ewt., while ronsted carries the snme duty as roasted coffee, viz. 4d. the pound. In 1866 our imports of chicory were 103,763 ewts., raw or kiln-dried, of the value of 41,7631 .

CIIINA GRASS. The tibre of a species of nettle. A valuable Report by Mr. Abbot, United States Consul at Bradford, states that prepared China grass makes an excellent material for admixture with long staple woollen textiles, particularly for those requiring a stiff, strong, and cool texture, combined with a glossy silk nupearance. The lieport, which is of some length, is to be found in the United States Commercial Relations with Foreign Countries for the Fear ended September 1865.
CIINA ROOT (Gir. chinawurzel; Dutch, chinawortel; Fr. squine, esquine; Span. raiz china, cocolmeca; Arab. rhubsinie). The root of a species of climber (Smihtx China, Linn.). It comes from the West Indies as well as from China; but that from the latter is best. It is oblong and thick-jointed, full of irregular knots, of a brownish colour on the outside, and a pale red within; while new it will snap short, and look glittering within; if old, the duat fies from it when broken, and it is light and kecky, it should be chosen large, sound, heavy, and of a pale red colour internnlly. It is of no value if the worm be in it. It is used for the rame purposes as Sahsaipabidia.
CIIINA WARL: [I'ORCELAIN.]
Chin-kIANG, [Time Theaty Puhts of China and Jaidan.
ClIINTS or CHNTZ (Fr. indiennes; Ger. zitze; Ital. indiane; Russ. siz; Span. chites, zaraza). Fine printed calico, tirst manufactured in the East Indies, but now largely manufactured in biarope, particularly in Great Britain. [Cabico.]

ClII' HATS. [HATs.]
CHOCKIN(i. [Dunnage.]
CHOCOLATE (Dutch, chocolnde ; Fr. chocolat; Ger. schokolate ; Ital. cioccolata; I'ort. chocolate; IRuss. schokolad; Span. ehocolate). A kind of cake or confection, prepared principnlly from the cocoa nut. The nuts are tirst roasted fike coffe; and being next reduced to powder and mixed with water, the paste is put into tin moulds of the desired shape, in which it speedily hardens, being, when taken out and wrapped in paper, tit for the market. Besides cocoa the Spanish use vanilla, sugar, maize \&c. in tho preparation of chocolate. This article, though celebrated for its nutritious qualities, is but little used in Great Britain; a circumstance which is probably, in
wome considerable deg
regulations to which importation used, ind though this prohibitio the duties on it are upon cocoa, we manufat is required tior ourcemst is saill to be very lat and Castlle sonp. (Fid p. 36.t. ed. 1N19.) In from France) 1 at, 9 行 9 colate, valued at 10,9 were entered fur consi per Ib. amounting to 1 ,
'Alike ensy to convey it contains a large is atimulating particles in been said with truth, and shea butter assist 1 la the New World, e malze have rentered a lands of the Andes and (Ilumbolit's P'ers. Star. CHMIS'TLANIA. TH ated at the bottom of a ti of Agperhuns; in lat. is lophlation in ix60, $1 \mathrm{H}, 2$ which entered the port.
was alsont 142,000 , whi was aljout 142,000, whi from it. Christiania is open sea: the grulf is in fal its uavigation sum sutliciently deep fior the or 7 fathous water close pulsory on all ships to the funsith of the bay. considerable. The prine and thenla, which are la ['nited Kiughom; flass, and nuils, bones, smult: and pickled fish, one of Norway, is prineipally The reals of Cliristiania highest estimation; a ellence of the timber, at the sap-wood and other way ; and not, as M supposed, of the skilfuls aw mills were cormerly quantity only, and the makc onth that it was Truvels in the North of' p. 28.) This absurd reg Consul-Genern] Crowe, it temarks, 'that the Nor
silly decreased of lite silly decreased of litte juticious and culpable undoubtedly has materi staple capital of the coun netrictions on industry than in Sweden. Int 1 hactured goods are atmi and are very gencrally cipal articles of import a adil hardware ; maching otton goods; coals, bi corn is sometimes exten: Cuvtoms Regulations.ressel has got to her mo deliver to the coilector ship and cargo, or presen fir having such ryort anee of a ship broker, loreign ressels cannot en making this general rep lobe exlibited, and pay ather dues inward is to b
nome considerable derree, ascribable to the liseal regulations to which it has been subjoceted. Ita importation used, indeed, to be prohilnted; and though this prohibition no longer exists, yet, ad the duties on it are promertionally heavier than uon cocoa, we wannfacture at home almost all that is required tior our consumption. Diritislı chocolate is said to be very largely molulterated with ftour and Castilo soap. (F'alwerds's Hext Indies, vol, ii. 1, 164. mel, 1819.) In $1 \times 8 t i 6$ we imported (ehtefly
 colate, valued at 10,9741 , of wheh $171,227 \mathrm{lbs}$, were antered for consumption: the duty at $2 d$. fer 1b, amounting to 1,d27l. [Cocona.]
'Alike easy to convey and employ as an aliment, it contains a large quantity of nutritive and stimulating particles in a small compass. It has heen said with trith, that in Africa, rice, gum, and shea butter assist man in crossinf the deserts. In the New World, chocolate and the thour of maizo have renclered accessible to him the tablelands of the Andes and vast uninhabited forestes. (thmbuhtt's P'res. Nar. vol. iv. p. 23.4. Jing. $t$ rans.)
CllRISTLANIA. The eapital of Norway, situsted at the bottom of a fiord or culf, in the province
 Lopntation in $1 \times 60,14,212$. The average tonnge which entered the port in the three years $1 \times 62-1$ was about 142,000 , while about 130,0100 eleared from it. Christiania is about 60 miles from the upen sea: the gulf is in some places very marrow, and its mavigation somewhat ditlicult; but it is sulliciently deep for the largest vessels, having 6 of 7 lathoms water close to the guny, it is compulsory on all ships to take a jilot on board at the month of the bay. The trate of the town is considerable. The principal exports are timber and deals, which are largely imported into the L'nited Kingdom; flass, particularly bottles; iron and mails, bones, smalte, oak bark \&e. Sulted and piekled fish, one of the staple products of Norway, is prineipally exported from Burgen. The deals of Christiania have always been in the hirhest estimation; a consequence of the exeflence of the timber, and of the care with which the sap-wood and other defeetive parts are colt way; and not, as Mr. Coxe seems to have splosed, of the skilful sawing of the plank. 'The aw mills were cormerly lieensed to eut a certain quantity only, and the proprictors were bound to hake oath that it was not exceeded. (Coxe's Trucels in the North of Europe, 5th edit. vol. iv. p. d8.) This absurd regulation no longer exists. Consul-Gencral Crowe, in his Report of Feb. 18tis, remarks, 'that the Norwegian timber has seninly decreased of late years, owing to the injulicious and culpable sustem of felling, which undoubtedly has materially reduced this hitherto staple eapital of the country:' 'There are far fewer restrictions on industry and commeree in Norway than in Sweden. In the former, llritish mannfactured goods are admitted on moderate dutics, and are very gencrally made use of. The prinmpal articles of inport are colonial produce; iron and hardware; machinery; woollen, linen, and cotton goods; coals, butter, wine, brandy \&e.; won is sometimes extensively imported.
Customs Regulations.-Within 2.4 hours after a resel has got to ber moorings, the master should deliver to the coilector his general report as to ship and cargo, or present the reguisite documents for havine such ryort made out with the assistance of a ship, broler, whose services masters of loriga vessols cannot entirely dispense with. On making this general report, the measuring bill is to be exhibited, and payment of the tonnage and ther dues inward is to be made. If the ship have
not been previounly measured in Norway, and is, consequently, not provided with a Norweginn measuring lifl, whe is to be measured, to ascertain her barilen in Norwegian commereial lasts, for the calculation of the tomage duty.

The general report having been made, the Custom-luase oflicers in charge of the vessel are furnivhed with the books for delivery, and the disehta so of the eargo commences unler their inapection; and the consignees may make their special rejuris moder their responibibility and stguature. If they are without jrecelse information as to the rontents of any or all of the packuges or bales to their address, these haled or packages may, at their request, be apernd in the presence of the wllfers before report is made. It a consigne omits availing limself of this permission, his pretemding thereafter that more or other goods than he had ordered, or been advised of, lave been sent to his adilress, will not bu attended to. In the reports or entries is to be stated whether it is intended to pay the duties furthwith, whethre the goods are intended for exportation, or whelher they are to he laneled.
I'rior to commencing loaling outwards, the mastor is to give verbal notice of his intention at the Cinstom-house. If he have no Nurwegriat mensuring bill, the vessel is to be mensured This being dome, the shipper or shippers of the mitward-bonnd cargo nre each of them to make their specinl entris's as to the quality, weight, and measure of the goonls thoy mean to load. A eopy of such ontrics is to be leposited at the Customhomse, and the loading rommences mater the control of the officers. This applies to all mixed cargoes; but if the outwarl-bound cargo consist exclusively of wool, the shipher or shippers are only to notify that they intend loading wood, without sjecifying gunntity, measure \&c., as the export duty on wood is charded aceording to the burden of the vessel. When the mater elears ontwards, he produces the proper docmanents for showing the burden of his vessel, and to what port she belongs, and he is then, on proper application being made, provided with a pilot, who takes his vessel to sea.

W'arehousing,-lu Norwas, foods hronght from abroad may be bonded or warehoused, with a view to their being again exported at some fature period. Geods entered for home consumjition mas. also be bonded for a certain period, in order to facilitate the payment of the duties.

The former is called transit ophay, i.e. depositing or warehousing froods for exportation, subject to transit duties only. The latter is called credit oplag, i. e. warchousing or bonding on credit.

1. Transit Oplag.-Under this system, goods from abroad may be warchoused for exportation free of import duty, paying on exportation a transit duty, which, in most cases, is $\frac{1}{10}$ of what they would pay if entered fur home consumption. If the goods nee deposited in the Custom-honse warehouses, they lie free of rent or ducs during 1.4 days ; and if in private warehouses, under the key anil seat of the Customs during 6 months. If they remain long, via, beyond 14 days in the one, and beyond 6 months in the other case, the, pay rent or ducs equal to of of the transit dity per month; which, after the lapse of 3 months, as regards goods in the Custom-house warehouses, is jucreased to $\ddagger$ of the transit duty per mouth.
2. Credit Oplag.-This system allows most goods imported from abroad to be placed in the owner's or importer's own warehouses, ander his own lock, free of duty, for a given time, on his reporting to the Customs, every 3 months, how much he has


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sold, otherwise consumed, or exported, and then piying the duty on such amount; the Customhouse officers, who are bound quarterly to examine the goods, convincing themselves by ocular demonstration that no more is missing than the quantity reported to have been taken away.
This credit on the duties in no case to exceed 2 years from the time the goods were imported.
By way of security for payment of the duties on which the credit is granted, Government reser:e to themselves-

1. I'riority of mortgage on all the goods in question.
2. Priority, or lirst right, in the property, goots, and effects of every description belonging to the trader availing himself of this cretit, in as far as such property is not previously legally mortgaged.
3. Liberty for the Custom-liouse oflicers, when and as often as they shali deem it expedient, between the stated quarterly inspection, to look over the stock on hand, with a view of ascertaining
whether there remains sufficient value for the duties; and if they see reason to doubt this, full right, in default of other satisfactory security beins ollcred, to seize the stock, and to sell the whole, or as much as shall cover the duties.
4. In case of death or failure of the party, an equal right to sell forthwith the whole of his stock at public auction, and to retain as much of the proceeds as shall cover the duties; and in case of deficiency, an established claim for the remainder on the estate of the deceased or bankrupt, as the case may be.
In charging the duties, no allowance is made for waste or tamage in the warehouses.
The warehouse rent charged on goods bonded under the transit system in the Custom-house warchouses is as fullows:-

On a quarter of wheat, for the first 3 months On a ton nf raw sugar, for the first $\overline{5}$ month Afterwards


- $01 \cdot 1056$

0
$-11 \cdot 539$
-11106

Account of the Quantities and Values of the Principal Artieles of British and 1rish Produce ant Manufacture exported from the United Kingdom to Norway, in eaeh of the Five Years ending with 1866.


Account of the Quantities and Vulues of the Principa! Articles imported into the United Kingdom from Norvay in each of the Five Years ending with 1866.


T'e these exports of produce from the United the species dollar weighs 448.38 English grs., an I Kingdom there should be alded, of foreign and colonial produce, colfee, raw cotton, wool, hides, tobacco, tea \&c., the nggregate value of which in 1566 was 265,5112 , making the value of the total exports $1,119,859 l$. Of our imports from Norway the most important are timber, about two-thirds of the whole, fish, oats, iron and copper ore, oil, and ice. The tride in ice is of growing importance. It will be seen from the acconnt that our totol mports ore valucd for 1866 at $1,611,359)$. The valuc of our imports from Sweden and Norway iu 1867 was $6,477,8654$.
For the eod and herring fisheries of Norway see Cons, lierming. Considerable quantities of salmon are sent per steumer from Christiansand to llull and London, and shark fishing is now found to be 1 profitable employment in Norway.
Moacy, Weights, and Measures,-In Norway there are no gold coins. The principal silver coin, called a specics dollar, is divided into 120 skillings. There are, also, half specics, or 60 -skilling pieces; $\frac{1}{5}$ species, or 24 -skilling pieces; $\frac{1}{15}$ specics, or -skilling picecs; and what is denominated ski] jemynt, or small change, i.e. 4 and 2 skilling pieces. The species dollar contains $390 \cdot 58$ English grs, pure silver, and is consequently worth $4 s, 6 \frac{1}{2} d$. sterling, the par of exchange being 4 species dollar. $12 \frac{3}{17}$ skill. $=1 l$. All Norway coins, except the its divisions in proportion. Small clange coins are alloyed with three times their weight of copper. There are I and 2 skilling picces of copper.

Weights and Measurts same as at Copeninagens.
Shipping Charges.-The various charges of a publ: nature payable by a ship of about 300 tons burden, entering the port of Christiania with a mixed cargo on board, unloading there, taking on board another cargo, and clearing out, are as follows:-

## 1. Charges Inu'ards,

Pilotage from Finder, at the mouth of Christlania

# £. 

A. d

Pilotage from Farder, at the mouth of Christian
liay, where all ships must rake a pitut on Loard
Dill of heallh, assuning that the rrew, inclurd 22 the mager, concints of 11 persons
Tonnage lues and light money:
$:$ Brokert fees and light money:-

## 2. Charges Outwards.


$\begin{array}{rrr}0 \\ -16 & 16 \\ -1 & 5 & 4\end{array}$
N.B.-There is no difference between the charges on native ships in Norwegian ports, and privilege. foreign ships, i.c. the ships of countries having reciprocity treaties with Norway; nor in
the duties on goods imported by native ships and such privileged foreign ships. Great Britain is a privileged country.

The shipping of Norway has deelined considerably of late years; a proof, if any such were wantingr, of the groundlessness of the clamours kept up in this country as to the supposed pernicious influcnce of reciprocity treaties un our shipping.

We borrow from Consul-General Crowe's Report of Feb. 1868 the following
Review of the Aggregate Amount of Iupprts into and Exports from Norucay during 1866, with the Official Estimute of their Melative Value, reduced to British Steriug, with the Amount of Duties collected.


Banking,-'lhere are no private banking establishments in Norway; but there is a publie bank, having its prineipal oflice at Drontheim, with branches at Christiania, Mergen, and Christiansand. It was estabtished by a compulsory assessment in 1816. Its capital consists of $2,000,000$ species dollars, in transferable shares, divided anongst those who were foreed to contribute to its formation. These shares are now at n premiam of 30 per cent. Its managers are appointed by, and are accountable to, the Storthing or Norwegian Parliament. It issues notes for $100,50,10$, and so low as I species dollar. These notes should be payable in specie on demand; but they are at a diseount of 35 per cent., and are paid by the bank at that rate. It discounts bills at 2 and 8 months' date at 6 per cent. per annum; advanees money on inortgage at 4 per cent.; and transacts the ordinary banking business of individuals. It does not allow interest on deposits.

Credit-Goods aro sold partly for ready money and partly on eredit, but prineipally the former.

Commission \&c. - The number of brokers in C'liristrania is limited to 4. Cumnissicn on the sale of goods, 2 per cent., or, del credere included, B per cent. Brokerage is fixed by law at $\frac{5}{i}$ per cent., which, in practice, is paid by the sellers.
Insurancc.-All houses situated in Norwegian market towns must be insured in the General lnsurance Company at Christiania, which is guaranteed by the state. The premium is moderate, being, on buildings situated in towns, $\frac{f}{4}$, and on those situated in the country $\frac{1}{6}$ per eent. Sometimes, hewever, when vary destructive fires oceur, it is raised.
Provisions fec.-Christiania is not a favoureble place for careening and repairing ships: but
supplies of beef, bread, water, and other sea stores may be liad as cheap or cheaper than in any other port of Norway. The distance, however, of the city from the sea is too great to allow of its being visited by ships desirous merely of vietualling. (We havo derived these drtails from varions sources, but principally from Consular Returns.)

Timber, - A standard Christiania deal is 11 feet long, $1 \frac{1}{4}$ ineh thick, and 0 inches broad; and 51.2 such deals make a load.

Freight of deals from Norway to England is calculated at the rate of single deals, the standard measure of which for Christian:a and all the southern ports of Norway, except I)ram (a small town on the Drammen, about 20 miles SW. of Christiania), is 1 I feet long, and $1 \frac{1}{4}$ inch in thickness. $A$ single deal from $\operatorname{Dram}$ is reckoned 10 feet long, and $1 \frac{1}{2}$ ineh thick.

Buttens.-Three battens make 2 deals, retaining their own length and thickness. Half deals are only counted as deal ends if they ron under 6 feet; but if they run 6 or 7 feet long, then 2 lialf deals are counted a deal, retaining their own thickness.

Euds of Deals.-Four ends of deals, although 5 feet long, make but a deal 11 feet long, retainiug their thickness, which the owners and eaptains of ships think unreasonable; but as the freighters of ships seddom wish to have this assortment, whieh commonly run from 3 to 5 fect, and are taken on board as stowage, consequently for the advantage of the ship and not the freighter, the ship ought to bear the burden.
Euds of Battens, ealled Laruich Palings,-No less than 6 ought to be counted a single deal, 11 feet long and $1 \frac{1}{4}$ inch thick.

P'ale-bourds, when they have their proper length, are 7 feet long; 3 pale-boards are counted a single deal.
Staves for hogsheads take up much room; in eonsequence of which more than 10 camot be computed a single deal.

The width of deal is never noticed in the calculation of freight : a good deal ought to run 9 inches within the sap, which not a twentisth part of a cargo does at present; but, though some may be above 9 inches wide, many are only 8 , therefore one must make up for the other.

Tïnber or Ifcwn Goods cannot be exaetly computed according to the contents in deals, becanse it eannot be stowed in a ship in the same maner as deals: the freight is, therefore, agreed for by the lump, or according to the number of deals which the vessel may have taken on board un a former occasion.

One lundred deals $=120$.
A ton $=40$ solid feet of timber, eut to a square. One lond of balk, or timber, $=50$ solid fect.
Two loads of timber are reckoned for 150 deals.
The several bills of lading contain together an exact account of the cargo which the eajtain has received on board his ship, consequently binding him to deliver according to their contents: when, therelore, the deals are mentioned as usual 9 and 10 feet, and 11 and 12 feet, ho cannot insist on more freight than half of the length, according to its description.

One thousand Norway standard deals are reckoned equal to a keel of coals, which is 21 tous.

Botesprits pay duty as masts; capravens are above 12 and under 18 inehes in circumference at the middle, and withont bark. Clapboard is exported in whole picees and unquartercd. Deals from Germany puss as Norway deals; spruce deals are upwards of 20 feet in length; deals from Norway, above $\bar{i}$ feet long, are counted as whole deals; above 5 feet, and not above 7 feet in length,
are accounte
as one whole
The dilfere staadard bein
ought to be times lapper and Dram ha Christiamia the others for which runs ve year. (Rorda Reports ; de.) Cliromiu covered by Va
ish white colo ish white colo affected by any cal ralue, but anec as dyes al
CHUNAM.
The best, obtai employed in the
it is said, ite inj
CLDEL or aptelwein; Ital. The juice of apl produce of the pressed and ferr in 1828 , to 37,22 a barrel, slows broupht to charg barrels, exclusiv manufaetured. amounted to abo The duty was re haps the total p now be estimate barrels.
The manufactu branch of industs provinces of Nor Artois. It is mn wirter apples, wl by the time at wh the diflerent quali them. Cider is Canata and the $U$
Guod cider con spirit. Cider is so with the object of is exceedingly inj poison. Common lior the manufactur CIGARS. [To CINNABAR vermilioen; Fr. ci cinabrio; liuss. ki cianabrium).

1. Native Cinnal heary and brillian
chiefly in quicksily clieny in quieksil|
of that metal. Tl Ielaunds is said to that of $A$ imaden, ; also abumdant in' th of Chinan. The be: cellour, brilliant, a matter. Only 24 cy at 33cle, were e impo 2. Artifieial Cimu cury and 1 of sulpt a mortar, the merct the whole assumes formerly calledi mineral is heated $\mathbf{r}$ proper vessel be plat
thiined of a fine tained of a fine red
mertl y
are accounted as laalf deals, and two of them pass as one whole deal.

The diflerence between the Christiania and Dran staadard being nearly $\frac{1}{11}$, the freights to Dram ought to be varied proportionally. It has sometimes happened that ships both for Chrictiania and Dram have been in company, and those for Christiania have got up, loaded, and sailed, before the others for Dram have got over Dramstroom, which runs very strong down in the spring of the year. (Rordansz' Europeun Commerce; Consular Reports; \&e.)

CHROMIUM. This metal, which was discovered by Vauquelin in 1797 , is brittle, of a greyish white colour, and very hard. It is searcely affected by any acids. The metal has no eeonomicul value, but its salts are of the greatest importance as dyes and colours.
CIIUNAM. The name given in India to lime. The best, obtained by the calcination of shells, is employed in the compositiou of Betes., to prevent, it is said, its injuring the stomach.
CIDEL or CYDER (Fr. eidre; (Ger. zider, apfelwein; Ital. cidro; Russ. sidor; Span. sidra). The juice of apples expressed and fermented. The produce of the duty on cider and perry (the expressed and fermented juice of pears) amounted, in 1828 , to $37,220 l$; which, as the duty was 10 s . a barrel, shows that the fuantity produced and bronght to charge must have amounted to 71,440 barrels, exelusive of what might be clandestiuely manufactured. The perry is supposed to have amounted to about a fourth part of this quantity. 'lhe duty was repealed in 1830. [Applis.] lerhaps the total produce of cider and perry may now be estimated at from 100,000 to 110,000 barrels.
The manufacture of cider is alsn an important branch of industry in France, especially in the provinces of Normandy, Brittany, Picardy, and Artois. It is made from sumner, autumn, and wioter apples, which are not only distinguished by the time at which they reach maturity, but by the diflerent guality of the beverage produced from them. Cider is also largely manufactured in Canaia and the United States.
Good eider contains about 6 per cent. of proof spirit. Cider is sometimes adulterated with lead, with the objeet of masking tartuess. This practice is exceedingly injurious, as lead is a dangerous poison. Common cider is also extensively used for the manufacture of spurious wine.
CigARS. [Tonacco.]
CINNABAR (Ger. zinnober; Dutch, cinaber, vemilioen; Fr. cinnibre; Ital. cinabro; Span. cinabrio; liuss. kinowar; Clinese, chú shá; Lat. cinnabrium).

1. Native Cinnabar.-A mineral substance, red, heavy. and brilliant. It is found in various places, chiefly in quicksilver mines, being one of the ores of that metal. The cinnabar of the Philippine Islands is said to be of the highest colour; but that of Almaden, in Spain, is the richest. It is also abundant in the central and western provinces of China. The best native cinnabar is of a high colour, brilliant, and free from earthy or stony matter. Only 24 ewts. of native cinnabar, valued at 336 ., were imported in 1866.
2. Artificial Cinnabur.-When 2 parts of mercury and 1 of sulphur are triturated together in a mortar, the mereury gradually clisappears, and the whole assumes the form of a black powter, furmerly called Ethiops mineral. When this mineral is heated red lot, it sublines; and if a proper vessel be placed to receive it, a cake is obtained of a fine red colour. This cake was formerly ealled cinnabar; and, when reduced to a tine
powder, is well known in commerce under the wame of vermilion. Cimabar, the ordinary ore of mereury, has been found in enormous quantities

The production of cinnabar is considerably faeilitated if the sulphur be previously melted. The pigment is prepared on a large seate in Holland, the sulphur being melted in a cast-iron vessel, and the mercury being finely divided, and also purified, by being squeezed through the pores of a chamois leather bag. As soon as the substances have combined, sublimation is allowed to begin. The larger the quantity of materials, the richer is the tint of the product. It is important also that both the sulphur and the mercury should be as pure as possible.

Inormous quantities of cinuabar are used in China. lied is the colour of rejoicing with the Chinese, and vermilion is therefore used in documents \&c.

CINNAMON (Dutch, kancel: Fr. cannelle; Ger. ziumet, kanehl ; Ital. canella; Lat. cimamomnm, canclia; lort. canella; Span. cancla; Pers, and IInd. darchinie; Arab. darsini ; Malay, kaimanis; Gr. Kivapov; Chinese, júu kwci; Cingalese, karundu: Tamil, karua pattay). The imner bark of the cinnamon tree (Laurus cinnimomum), Nat. Order Lauracea, a native of Cerlon, where it grows in great abundance, Cochin China, and perhaps of some other countries. It is brooght home in bags or bales weighing $92 \frac{1}{2}$ lbs. each; and, in stowing it, black pepper is mixed with the bales to preserve the cinnanion. The best cinnamon is thin and rather pliable: it onght to be about the substance of royal paper, or somewhat thicker; is of a light yellowish brown colour, approachingr nearly to that of Venctian gold; it is smooth and shiniug; fractures splintery; has an agreeable, warm, aromatic flavour, and a mild, sweetish taste; when chewed, the pieces become soft, and seem to melt in the mouth; it is not so pungent but that it may be borne on the tongue without pain, and is not succeeded by any after tuste. Whatever is hard, thick as a half-crown piece, dark-coloured or brown, or so hot that it eannot be borne, should be rejected. I'articular care should be taken that it be not false packed, or mixed with cinnamon of an inferior sort. (Milbum's Orient. Comm.; British Pharmacopoia, 1867; Marshall's Essay, quoted below.)
The cilunamon of Cochin Chine grows in the dry sandy districts lying N. W. of the town of Faifoe, between $15^{\circ}$ and $16^{\circ} \mathrm{N}$. lat. IL is preterred in China to the cimanon of Ceylon: the ammal imports into Canton and other ports vary from 250,000 to $300,000 \mathrm{lbs}$. There are no fewer than 10 varieties of this species in the market. It is not cured, like that of Ceylon, by frecing it from the epidermis. (Crawfurd's Embassy to Siam \&c. p. 475.)

Besides the produce of the inmer bark of the Laurus cinnumomum, the bark of the root affords a volatile oil which is similar in flavour to oil of cinnamon, but has also a camphorous pungency. Another kind of oil is distilled from the leaves. The cinnamon-lenf oil of eommerce is of two kinds; one fatiy and probably procured from the fruit, the other volatile and similar in taste and odour to of of cloves or oil of pimento.
The principal cinnamon gardens of Ceylon are near Colombo. The seeds are planted so that the shrub should grow in elumps or clusters. The shoots whieh are decorticated are generally from I to 3 inches in diameter. The tiner and thimer tho lark, the more valuable is the product. The cinmmon harvest lasts from May to October.
Cinnamon is obtained from Cliina, the Malabar
coast, Manilla, Java, Cayenne, the Leeward
Islauds, and the Isle of Frimec. The produce of China is called Cassia.
C'innamon Monopoly.-Down to 1833 the cultiv?tion of cimamon in Ceylon was restricted to a few garlens in the neighbiourlood of Colombo; the production and sale of the article being wholly mouopolised by Government. Upon the transference of the island from the East Indin Company to the King's Govermment, the former agreed to pay ; $; 0,000$. a-year for 400,000 lbs. or $4,3+2 \frac{1}{3}$ bales of cimamon; it being stipulated that if the quantity collected exceeded this amount, the surphus was to be burned! (Sce an article by H. Marshall, lesq., Staff Surgeon to the Forces in Ceylon, in Thomson's Ananals of l'hilosophy, vol. x. p. 356.). But this agreement was alterwards broken off; and the cimnamon was sent to England by Government, and sold on its account at quarterly sales. The nett revenue derived from the cinmamon monopoly in $18: 31$ is said to have amounted to 127,961l. As the monopoly could not be enfored except by contining the culture of cimamon to certain districts, it necessarity led to the most oppressive interferences with the rights of individuals, to the creation of numberless imaginary effences, and the multiplication ot punishments, forming a heavy drawback upon the prosperity of the island. $\lambda$ sense of these disadrantages led at length to the abolition of the monopoly system in 1833, when we ceased to be amenable to the charge of upholding, without improving, the worst part of the Duteh poliey, anel restored to the natives their right to cultivate cimamon anywhere and in any way they think tit.
Duties on Cinnamon.--Unluckily, however, the abolition of the old monopoly system was accompanied by the imposition of the exorbitant duty of 3s. per lb. on all cimamon exported, without ilistinction of quality, reduced in 1837 to 2 s . 6 d . on the 1st and 2nd yualities, and 2 s . on the 3rd or lowest quality, and in 1811 to $2 s$ s. on all qualities. We took the liberty to amimairert as follows on this system in a former edition of this work:'The natural eost of cimanmon does not, we believe. exceed $6 d$. or 8 el. per 1 ll . ; but taking it at 1 s , the duty is no less than 200 per cent.! So enormons a tax, by contining the export of ciumamon within the narrowest limits, will go far to deprive the islaud of the alvantages it would otherwise derive from the repeal of the monopoly, and will be, in all respects, most injurious. It is contended, in vindication of this oppressive tax, that Ceylon having a natural monopoly of cinnamon, it is sound policy to burden it with the highest duty it will bear, nis the largest revenue is thus obtained at the least expense to the islnnd. But, in aldition to the cinuamon produced in Cochin China, and which it is more than probable will speedily tind its way to the European nuarkets, the extent to which eassia lignea is substituted for cimmmon shows that the monopoly possessed by Ceylon is of trifling importance. And though it were otherwise, though enssia limnea did not exist, and cinnamon were to be found :aowhere but in Ceylon, we should not the less object to so exorbitant an export duty. So long as it is maintained, it will confine within the narrowest limits what might otherwise become na important brauch of industry, and a copious source of wealth to the island.
'Under the old system, the produce of cinnamon in Ceylon amounted to about $500,000 \mathrm{lbs}$; nnd it is not at all probable that the exports will materially inerease under the new system; but had the duty varied from nbout $6 d$. per lb , on the hest, to 3 fl . or Ad. on the inferior sorts, we have little doubt, now that the culture is free, that the exports
would, at no very distant period. have amounted to $1,000,000 \mathrm{lbs}$. It is the high price of cinna-mon-a price not caused by its searcity or the difficulty of its proluction, but by the oppressive monopolies and duties to which it has been sub-jected-that has made it he regarded as a luxury attainable only by the rich.
'Should the exports of cinnamon from Ceylon under the new plan amount to $500,000 \mathrm{lbs}$. a-year, Government will receive from it an annual rerenne of 50,0001 ; nud supposing them to amount to $600,000 \mathrm{lbs}$. , the revenue will be 60,0001 . And to secure the inmediate payment of this trifling sum, every ulterior consideration of prolit nad alvantage has been sacriticed. It is, however, pretty clear that this short-sighted rapacity will be, in the end, no less injurious to the revenue than to the industry and trade of the island. Were cimamon allowed to be exported for a few years inder a low luty, or till such time as the tnste for it was fully diffused throughout this and other cometrics, it might then be ensy, by gradually raising the duty to obtnin from it, without materially checking the consumption, a large revenue : at least two or three times more than it will cver produce under the present plan.

Suppose that we had hal the power effectually to monopolise the inventions by which Sir Richaril Arkwright and others have so prodigiously facilitated the spiunine of cotton, what would have been thought of the policy of those who should have proposed laying a duty on exported cotton equmbalent to the peenliar advantages we enjoved in their production? Had this been done, we shonld have got a monepoly value for our exports of cotton; but instead of amourting, as at present, to $30,000,000$, a-year, they would not, under such a plan, have amounted to 200,0001 ; and insteal of allording sulbsistence for some $1,300,000$ or 1,400,000 individuals, the cotton manufacture would not have supported 50,000 ! And yet this is the mischievous nustrum-for it would be an abuse of terms to call it a prineiple-on which we have proceeded to regulate the export of the stuple product of Ceylon.'

Experience has more than coufirmed the truth of these stntements. lustead of increasing, as they certainly would have done but for the exorbitancy of the duty, the exports of cimamon declined even below their amount during the monopoly. Notwithstanding the reduction of the duty in 1841 to 2 s. per lh., the exports in that year amounted to only 323,461 lbs., producing a revenne of $33,1111!$ ! This result was brought about, as we anticipated, partly by the high duty and its consequent high price restricting the demand for cimamon; partly by the duty operating as a bounty to introduce the culture of the plant into other places; and partly and principally by its encouraging the use of cassia lignea and other substitutes in the place of the genuine article.
'It does not,' says Mr. Cook (formerly of the irm of 'Trueman and Cook, brokers), 'almit of a dotbt, that unless the export duty of 2 s . per 1 lb . payable on the shipment of cinnamon at Ceylon be removel, the trale must speedily be amnihilated. From 1798 to 1825 the cultivation was known in no other part of the world, and notwithstanding the impolicy even then of such an exorbitant charge, the trade was comparatively little affected; but in 1825 a successful attempt was made ia Java by an experienced planter from Ceylon, and the shipments from that island, which, having sinee been anmually increasing, were estimated (1912) nt $117,000 \mathrm{lbs}$ at least, on which is leviel a duty, on the value, of 4 per cent. only. The culture has also extended itself to Guiana and the West

Indies; and received fro it can be st and that a confidently there being China, Mnla doubtless ere produce be in charges. It namon cann withstand tl countries; an inderstoon b trade would a manin in its pre lon cimamon, tluences, woul European mar lignea as a su will no cionbt e the cinamon as 160,000 ., or whereas in lc $47,000 \mathrm{l}$. only, a even this miel so that the lev. proved as injur to the prosperit
Such conclus garded, and in 1 was reduced to too high; and culture of the pl Javn and elsewl hecome so habiti tutes, that the $($ eulty maintnin were wholly rep to $4 d$. in 18.48 , abolished in 180 enough to intlict The exports hat very matnrially; deteriorated, aid coarser and interi quantities expor their value is less has not inereased This brief notic cinnamon affords ample of the ris duties on the ex substitutes may 1 elsewhere. Had of cimanom in 18 aside, it is all roukd have bcen present, and that portant as well as inlustry.
The imports of Cinited Kingdom

| 1815 | - | 6,21, 8 , |
| :---: | :---: | :---: |
| 1, $0^{3}$ |  | 685, 23.3 |
| $1 \times 16$ | : | 69, |
| $1 \times 3$ | - | - $6 \times 3 i, x i$ |
| rot |  | - 73\%,94 |

The years mark weight from other are incousiderable. mon from all quar in the last three ye

Indies; and, judging from a small parcel lately received from Jamaica, there can be no question it can be successfully produced in that quarter, and that a supply may at no distant period conlidently be expected from thenee, the daty there being only $2 \frac{1}{2}$ per cent. From Cochin China, Malabar dee large guantities will also doubtless ere long tind their way to deurope, their produce buiner comparatively free from tiscal charges. It is ther-fore evident that Ceylon einnamon eannot, under existing circumstances, withstand the competition of that of other countries; and if the merits of the question were understood by the Government, this interesting trade would assuredly be no longer suffered to remain in its present anomalons state. Indeed, Ceylon cinnamon, independently of other adverse influenees, would be very soon driven ont of the European markets by the increased use of eassia lignea as a substitute. The question of revenue will no doubt ergage the attention of Government, thecinnamon duty having yielded in 1833 as much as $160,000 \%$, or about half the revenue of the island; whereas in 1841 the governor estimated it at $47,000 l$ only, and it is toubtful if it will realise even this much-(in fact it only realised $33,111 l$.); so that the levying an impost so oppressive has proved as injurions to the collection of revenue as to the prosperity of the trade.'

Such conelusive statements could not be disregarded, and in 1814 the export duty on cimnamon was reduced to 1 s . But even this was a great deal too high; and it soon became evident that the culture of the plant had taken such tirm root in Java and elsewhere, and that the public taste had become so habituated to cassia and other substitutes, that the Cevon planters would with dithiculty maintain their gronnd, even if the duty were wholly repealed. And after being reduced to 4 d . in 1818 , ant to $2 d$. in 1853 , it was finally abolished in 1860 . But it liad continued lonir enough to intlict irreparable injury on the trade. The exports have, indeed, increased, thongh not yery matrially; but the quality of the spice nas deteriorated, and now principally consists of the coarser and interior varicties; so that, though the quantities exported nre greater than formerly, their value is less. The consumption of the spice has not inereased in the United Kingdom.
This brief notice of the legislation in regard to cimnamon affords an instructive and striking example of the risk attending the imposition of duties on the exportation of articles for which substitutes may be found, or that may be raised elsewhere. Had no duty been laid on the export of cinnamon in 1833, when the monopoly was set aside, it is all but certain that its production vould have been incomparably greater than at present, and that it would have formed an important as well as interesting branch of Cingalese industry.

The imports of cinnamon from Ceylon into the luited Kingrom have been:-


The years marked thus * include a few pounds weight from other places than Ceylon, but they are inconsiderable. The total imports of cinnamon from all quarters into the United Kinglom in the last three years were as follow:-

| 1865 | - | - | - | His. $886,-31$ |
| :---: | :---: | :---: | :---: | :---: |
| Intil | - | - | - |  |
| 1867 | - | - | - | 859,0.2. |

The duty on cinnamon from a British possession,
after being constant from 18.10 at 33 d . per 1 h ., was reduced in 1853 to $2 d$, per 1 b . The anmual entries for cunsumption sinee the repeal of the ilnty in 1860 are not known. The average value of Cingalese cinnamon in 1866 was is. $93 / d$. per lb . In the article Cotombo we have given an accomit of the exports of cinnanon from Ceylon since $\{x 10$, and, for ample details on this subject, see Sir James Emerson 'Cement's excellent work on Ceylon.

CIXQUE POLISS. These are ancient trading towns, lying on the coast of Kent and Sussex, which were selected, from their proximity to France and early superiority in navigation, to assist in protecting tho realm against invasion, and vested with certain brivileges by royal charter.
'The ports so privileged, as we at present aceount kem , are Dover, Sandwich, Romney, liastings, Hythe, and the two ancient towns of Winchelsen and Kye; although the two latter places appear to lave been originally only members. The services which they were appointed to perform were cither honorary, vi\% assisting at the coromation and sending menbers to larliament; or auxiliary to the defence of the realm, as furnishing a certain supply of vessels and scamen, on being summoned to that service by the king's writ.
'In process of time the Cinque l'orts grew so powerful, and by the possession of it warlike fleet su audacions, that they nade piratical exeursions in thetiance of all public faith; on some occasions they made war, and formed confederacies ns separate, independent states. It seems, however, that these irregularities were soon suppressed when the Govermment was strong, and sutliciently contident to exert its powers. No long as the mode of raising a navy by contributions from different towns contimied, the Cinque Ports afforded an ample supply; but since that time their privileges have been preserved, though their separate or peculiar serviees have been dispensed with. Their charters are traced to the time of Edward the Confessor: they were contirmed by the Conqueror and by subsequent monarchs. William the Conqueror considering Dover Castle the key ol Enghand, gave the charge of the adjacent coast, with the shipping belongring to it, to the eonstable of Dover Castle, with the title of Warden of the Cinque Ports-an otlice resembling that of the Count of the Saxon coast (Comes littoris Saxonici) on the decline of the Roman power in this island. The lord warden has the authority of Admiral in the Cinque Ports and their dependencies, with power to hold a court of admiralty; he has authority to hold courts both of law and equity ; is the general returning offieer of all the portsparliamentary writs being directed to him, on which he issucs his precepts; and, in many respects, he was vested with powers similar to those possest ed by the heads of counties palatine. At present the efficient authority, charge, or patronage of the lord warden is not very great ; the situation is, however, considered very honourable, and the salary is $3,000 l$. He has under him a lieutenant and some subordinate officers; und there are captains at Deal, Walmer, and Sandgate Castles, Areheliff Fort, and Moats Bulwark.
'There is an exelusive jurisuliction in the Cinque l'orts (before the mayor and jurats of the ports), into which exclusive juriscliction the king's ordinary writ does not run; that is, the court cannot direct their process immediately to tho sherift, as in other eases. In the Cinque Ports, the process is directed to the governor of Dover Castle, his deputy or lieutenant. A writ of error lies from the mayor and jurats of each port to the lord warten of the Cimque Ports, in his court of Shepway, and from the court of Shepway to the

King's Bench; n memorial of superiority reserved to the Crown at the original creation of the franchise; and prerogntivo writs, as those of habeas corpus, prolitition, certiorari, and mandamus, may issue, for the same reason, to all these exempt jurisdictions, because the privilege that the king's writ runs not, must be intended between party and party, and there can be no such privilege against the king.' (Chitty's Commercial Law, vol. ii. p. 12 ; Knocker's Grand Court of Shepuay, \&c., London, 1862.) The peenliar juristiction of the Cinque l'orts was much moditied by 18 \& 19 Vict. c. 48 , and other Aets, and the salary of the lord warden las leen abolished.

CITRON (Ger. sucende; Danish, sukkat; Ital. confetti di cedro; Span. acitron verde; Fr. citronat verd). An agrecable fruit, resembling a lemonin eolour, smell, and taste. It is the Citrus medica of botanists, and is probably a mere variety of lemon. It is much larger than the lemon, of an ovoid shape, and with a very thick rind. The juice too is less acid than that of the lemon and lime. The cuticle of the rind is full of vesicles containing an essential oil, on which the flavour of the rind depends. The Citrus medica is a native of Asia, and was probably imported from Persia or Media, in the second century of enr era. - It is now cultivated in warm elimates throughout the world. The candied riml is imported from Madeira, of the finest quality

CIVET' (Ger. zibeth; Dutch, civet; Fr. civette; Ital. zibetto; Span. algalia). A perfume derived from two animals - the Virerru civetta of $\boldsymbol{A}$ 'rica, and the Viverra zibetha of the East Indies. The substance is secreted in certain glands situated in the perincum of the animal. In order to obtain greater supplies, the civet cat has been domesticated, and the substance, the quantity of which may be increased by irritating the sac in which it is secreted, is collected.

Civet was once used as a medicine, but now solely as a perfume. Its odour is very strong, and even offensive when it is smelt in bulk or near; but when diluted and at a distance, it is considered to be very agrecable. When genuine it is worth 30 s . or $4 \dot{\mathrm{~s}}$ s an ounce.
CIVI'TA VECCHIA. A fortified sea-port town of the lapal dominions, on the Mediterranean, lat. $4204^{\prime} 38^{\prime \prime}$ N., long. I $1^{\circ} 4.1^{\prime} 52^{\prime \prime}$ E. Population about 12,000 .
Harbour. - The port of Civita Vecchia is artificial, and is formed by three large moles. Two of them projecting from the main land, inelined one to the north and the other to the south, form the sides of the harbour; while a third mole, or breakwater, constructed opposite to the gap between the other two, serves to protect the harbour from the heavy sea that would otherwise be thrown in by the westerly males. There are 3 lights in this port: one, which revolves every 40 seconds, on Antemuzale, the S. end of the l3reakwater; a second on Bicchiese Mole; a third on the Lazaretto Mole. Vessels may enter cither by the south or north end of the outer mole, but the southern channel is the deepest, having from 8 to 6 and 4 fathoms. Ships may anchor within the port in from 16 to 18 feet water; or between it and the onter mole, where the water is deeper. Within the port are a lock and an arsenal.
Historical Notice.-This harbour, which is by far the best on the western side of the l'apal dominions, owes its origin to the Emperor Trajan, and affords the most unequivocal proof, not of his power mercly, but of his sagacity and desire to promote the interests of commerce and navigation. There is in one of Pliny's lietters (lib). vi. epist. 31) a clear and interesting account of this great

## CIVITA VECCHIA

work, which has obviously been planned and constructed with equal skill and judgment. The outer mole was mostly formed, precisely like the breakwater at Ilymouth, by sinking immense blocks of stone into the sea, which becamo fixed and consolidated by their own weight, till by degrees it was raised above the waves. Originally it was called Trajanus Portus, and it is to be regretted that it did not always bear the name of its illustrious founder. But in the latter ages of the Roman empire it was called Centum Cellar, und in modern times Civita Vecchia. (Cellarii Notitia Orbis Antiqua, i. p. 73.1.)

Money.-Accounts are kept Lere, and throughont the I'ipnal States, in crowns or scuali. called sendi Romani and scudi moneta. 1 seudo $=10$ paoli, and 1 paolo $=10$ bajocehi. The scudo contains $40:$ grains of Euglish standard silver, and is, consequently, worth $4 s .4 d$. sterling. l'nyments above 5 scudi are made in cedole, or schedules, a specie's of bank notes; but these not being payable in specic on demand, are uniformly at a discount.

Weights.-'The libra or pound of 12 onci, or 6,192 grani, contains 5,234 English grains. Ilence, $1(6)$ Roman pounds $=74,771$ lbs. avoirdupois $=90,868$ lbs. tro $=33,906$ kilogrammes $=70,008$ lbs. of Hamburg. There are three different cantaros or quintnls; viz. of 100,160 , and 250 lbs. The migliajo $=1,000 \mathrm{lbs}$.

Measures. - I'he Roman foot $=11.72$ Eing. in.; the cumaa $=78 \cdot 3 \cdot 4$ Eng. in.; the canna used by builders $=87.96$ ling. in.; the barrel of wine $=$ 12,841 imp. gals., and the barrel of oil $=12.64$ imp. gals. ; the soma of oil $=\mathbf{3 6} \cdot 13 \mathrm{imp}$. do. ; the rubbio of corn $=8.143$ inp. hhls. (Ketly's Cambist; Nelkenbrecher, Manuel Universel.)

Imports and Exports.-Though the wealth and population of the country round Civitn Vecchia be much fallen off in modern times compared with antiquity, it still continues to be the entrepot of Rome, with which it is connected by a railway, and eugrosses almost the entire trade of the l'apial dominions on the side of the Mediterranean. The imports consist principally of cotton stutls and yarn; woollens, silks, and lineus; iron und hardware; coffec, sugar, cocoa, and other colonial products; salt and salted fish, coal, wines, jewellery; glass and carthenware de. The exports consist of staves and timber, corn, wool, cheese, potash, pumice-stone: alum from Tolfn, in the vicinity. cream of tartar, rags \&c. The total value of the imports may be reckoned at from 700,0000 l. to 800,0001.: inasmuch, however, as a considerable portion of these nre on account of the strangers resident in Rome, the exports are by no meaus so great, and do not, indeed, exceed from 250,0001 . to 350,000 . Marseilles and Genoa have the largest share of the foreign trade of Civita Veechia, and next to them Eugland.

In addition to the ordinary sailing-vessels which frequent the port, it is now regularly visited by steam-packets from Malta, Marseilles, Genoa, Naples \&c. by which from 10,000 to 12,000 phissengers are annually conveyed on their way to and from Rome.

In 1866 the value of the exports of domestic produce from the United Kiugdom (rbictly coal and iron) to the Papal dominions amounted to $15,293 l$., and in 1867 to $15,313 l$. Our imports trom the Papal dominions amounted to $5,491 l$. in 1866, and to $5,162 l$. in 1867.

In 1864, 2,028 vessels, of 331,890 tons, entered, and 1,906 vessels, of 336,569 tons, cleared, the port of Civita Vecchia.

Duties.-Civita Vecchia is a free port; i.e. a port into which produce may be imported, and either consumed or re-exportel, free of duty.

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CLARET

## England to

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Quarantine regulations are strictly enforced; no vessel with a toul bill of health being permitted to enter any of the l'apal ports. (Annuaire du Commerce Maritime, tom. ii. p. 366, \&c.)

CLARET, A name of ancient origin, given in England to the red wines of Bordeaux. [Bondesux; Wine.]

CLEARING. In 1775 the London, or rather the 'City,' bankers established the 'Clearinghouse.' This is a house to whieh ench banker who deals with it is in the habit of dnily sending a clerk, who carries with him the various bills and checks in the possession of his house that are drawn upon other bankers; the practice formerly being to exchange them for the bills and checks in tho possession of those others that were drawn upon his constituents, and to pay the balance, on the one side or the other, in cash or bank of England notes. By this means the bankers comected with the clearing-house were euabled to settle transactions to the extent of several millions a day, by the employment of not more, at an average, than from 200,000 , to $500,000 \mathrm{l}$. in cash or Bank of England notes.

Latterly, however, the arrangements connected with the clearing-house have been so much simplitied and improved, that neither notes nor coins are nny longer required in settling the largest transnctions. The clearing-house itself, and the various banking firms and joint-stock companies connected with it, have accounts at the Bank of Englant; and the balances that were formerly settled by a money payment are now settled by transfers from one account to another. The cconomy of money in the adjustment of large transactions, occasioned by this and other contrivances, accounts for the fact that the proportion of notes of $20 l$. and upwards issued by the Bank has considerably declined of late years, while that of 5l. and $10 l$. notes, which are used in ordinary dealings, has been materially increased.

Originally the convenience of the clearing was permitted to the private bankers only, but after a lapse of time the private banks gave way, and admitted the joint-stock banks to share its advantages. Latterly, too, the clearing system has heen extended to the country banks, through their London correspondents. These difficulties arose as to the atmission of these country establishments:The adoption of the system was likely to involve some inconvenience to the London bankers in the loss of time and additional trouble which the concession would involve. Then, again, it was impossible to grant the convenience, in case the country bank deducted, as they sometimes did, a small commission or percentage on checks drawn on their own house. And lastly, it was not always easy to accommodate the system to that rule of law which requires the person in whose favour a check is drawn to present it as early as possible for payment. The Post-office obviated to a great extent the last ditficulty, and ultimately a plan proposed by Sir John Lubbock was accepted, and put into operation. (For the details of this plan, see the Journal of the Statistical Society, September 1865.)
There is another service, that of railways, to which the advantages of a clearing are obvious. Hailways have often runuing powers over each other's lines; and even if they have no legal power to use any neighbouring or adjeining line, which may join their own, they constantly tind it to be a convenience to the public, and therefore an ndvantage to themselves, to issue through tickets which will enable the purchaser to complete his joamey without being put to tho pains of procuring a second, or even several tickets; or
again to run their carringes on a neighbouring line, or receive carriages belonging to another company on their railrond; or lastly, to convey parcels through without a fresh booking and additional entries. But in order to balance their accounts rendily, it is necessary to have a speedy settlement of these: hence they have established a Reilucay Ciearing, the form of which is analogous to that established now nearly a hundred years by the London bankers.

CLEARING-IIOUSLE. The place where the operation termed clearing is carried on.

CLOCK, CLOCKS (Ger. uhren, grosse uhren, wiandunrlie ; Dutch, nuren, uurwerken, horologien; Fr. horloges; Ital. orologri, oriuoli ; Span, relojes; Russ. tschasii). A kind of maehine, put in motion by a gravitating body, and so constructed as to livide, measure, and indiente the successive portions of time with very great accuracy. Nost clocks mark the hour by striking or chiming. It is a highly useful instrument, and is exteusively employed for domestic and philosophical purposes. Clocks are made of nu entless variety of materials and models, so as to suit the different uses to which they are to be applied, and the different tastes of their purchasers. 'I'heir price consequently varies from a few shillings to more than 100l. The Germans and Dutch are particularly celebrated for their skill in the manufacture of wooden clocks; while the Englishl, French, and Genevese, especially the former, have carried the art of making metallic clocks, so as to keep timo with the greatest precision, to a high legree of perfection.

The history of the invention, introduction, and successive improvements in the manufncture of clocks has been carefully investigated by somo very learned and indastrious antiquaries (see Beckmann's History of Inventions, vol. i. pp, 419462, Eng. ed. ; and lees's Cyclopadia) ; but, notwithstanding these researches, the subject is still involved in considerable obscurity. It seems, however, that the middle of the fourteenth century may be regarded as the epoch when clocks, having weights suspended as a moving power, and a regulator, began to be introduced. The period when, and the individual by whom, the pendulum was tirst applied to clockwork, have been subjects of much contention. Galileo and Huygens have disputed the honour of the discovery. 'But whoever may have been the inventor, it is certain that the invention never flourished till it came into the hands of Huygens, who insists that if ever Galileo thought of such a thing, he never brought it to any degree of perfection. The first pendulum clock made in lingland was in the year 1662, by one Fromantel, a Dutchman.' (Hutton's Mathematical Dictionary.)
The clock manufacture is of considerable importanee and value. It is carried on to a great extent in London.
Previously to 1842 an ad valorem duty of 25 per cent., which was then reduced to 10 per cent., was laid on all clocks when imported. In 1853 the duty was further reduced, and placed on a new footing. It was repealed in 1860 . We subjoin

An Account of the Numbers and Values of the Clocks Imported in 1866, specifying the Coustries whence they came.


On the other hand in 1 N6ti we exported $5,7 / 4$ clucks, other than Britisli, valued at 5,5I8l., besides British clock and watel movements of the value of 15,8181 .

Clockmakers are obliged to engrave upon the dial-plate of all clocks made by them their names and the place of their residence. It is illegal to import except in transit, and sutyect to such regulations as the Treasury may direct, clocks and watches of any metal impressed with any mark or stamp appearing to be or to represent any legal British assay mark or stamp, or purporting by any mark or appearance to be of the manutacture of the United Kingdom. ( 16 \& 17 Vict. c. 107 s. 4.4.)

It is said, however, net to be an uncommon practice among the less reputable portion of the trade to engrave their names and 'I,ondon' on foreign clocks and watches, and to sell them to the public as English work. The fraud may be detected by referring to any respectable watchmaker.

By a Treasury order of Sept. 4, 1828, clocks and watches for private use, thougl not marked in the manner now specified, may be admitted on payment of the duty, on the parties making atidavit of their entire ignorance of the law in question.

Persons hired by, or in the employment of, clock and watchmakers, who shall irnuilulently embezzle, secrete, sell \&.c. any metal, material, or precious stone, with which they may happen to be intrusted, shall, upon trial and conviction before a justice of the peace, forfeit $20 l$. for the first offence; and for the second, and every subsequent offence, they shall forfeit 40t; and, in default of payment, they are to be committed to the house of correc. tion. ( 27 Geo. II. c. 7 s. 1.) [Watchi.]

CLOTH. [Linen; Wool; \&c.]
CLOVER (Ger, klee; Dutch, klaver ; Fr. trefile, luzerne; Ital, trifoglio; Span. trebol; Russ, trilistnik; Lat. trifolium). A very important species of grass. Some of the species incultivation are annual, others bienuial or triennial, and others perennial, The seed used formerly to be principally imported from llolland, but that which is raised in this country is now said to be of a superior quality. (Loudon's Encyclopadia of Agriculture.) Culture for seed is, however, very precarious, and of uncertain profit.
We have been for a lengthened period in the habit of importing considerable quantities of clover seed; and there can be little doubt, despite the improvement of the home produce, that the imports would have lieen much greater but for the heavy duty of 20 s. a cwt. with which foreign clover seed was formerly loaded. Such duty had the mischievous effect of tempting farmers to use seed of inferior quality, and fell with peenliar severity on Scotland and those parts of the country which grow no seed. We are, therefore, glad to have to state that after being reduced to 10 s . a cwt. in 1842, and to 5 s . per do. in 1846, the duty was finally repealed in 1853 . In 1866 we imported $226,014 \mathrm{cwt}$. clover seed, valued at 726,0041., of which nearly a half came from France, while our exports anounted to only $4,493 \mathrm{cwt}$. The price varied from $3 l .3 s$. to $31.7 s$. $6 d$. per cwt., that of France being $3 / .5 \mathrm{~s}$. In 1867 the inports were 150,968 cwts., valued at $503,669 l$.

CLOVES (Ger. näglein, gevarznelken; Dan. nelliker, krudenelliker; Dutch, kruidnagelen; Pol. gozilrik; Fr, clous de girotle, girofles; Ital. chiovi di garofana, garofani, garoffoli; Span. clavos de especia, clavillos; Port. craros da India, craros girofes; Russ. © wosdika; Arab. kerentul; Malay, chankee; Chinese, ting hiang tsz' ting liang).

The fruit, or rather cup, of the unonened tlowers of the clove-tree, or Caryophyllus aromaticus, Nat. Order Myrfarea. It is not known when this spice was introduced into liuropean markets. In the middle ages, loowever, it was brought by the Venctians and (ienoese by the route over the highlands of Armenia, ly that from Bagelal to Lycia, and by the Red Sia mid the Nile. It was by far the costlicst of Eastern spicus. In $1: 329$ the fellows of Merton College, Osfurd, bought cloves at the rate of 11. 1s. 4d. per 1b. (troy) in money of the time; that is, at not less than 12l. $12 s$. in modern value. In 1719 cloves were purchased at $12 s$, per 1 b .

The clove-tree is a native of the Moluceas. Though its natural ranice was limited, it grew abumlantly in all the islands; but the Dutch, for reasons given below, succeeded in extirpating the phant in all the islands except Amboyna ant Ternate. A Frencliman, however, one loirie, the governor of Mauritius and Bourbon, contrived to export several trees to the islands under his Goverument : thence they have spread to Cayenne and the West Indies, to Brazil, to Sumatra, and Zanzibar.

They were first introduced into the islands of Zanzibar and Pemba about 1830 from the Mauritius: they throve, and the cultivation has now almost entirely superseded that of sugar and rice, formerly the chief products of those islands. The average crop of Zanzibar cloves is about 200,000 faras/ahs: or abont $7,000,000 \mathrm{Jbs}$. , valued a. about $85,000 l$. Owing to the increased production, the price has fallen about 70 per cent. within a few years. In Culonel Pelly's lieport for 1860 , published in 1863 , the value of the cloves exported from Zanzibar is stated as $55,6661$. , the guantity having been $4,860,100 \mathrm{lhs}$. Export duties are not charged on the cloves slipped from Zanzibar.

Cloves are shaped like a nail; whence the name, from the French clou, nail; abont 6 lines long, plump and heavy. They are imported from the Butch settlements; the best in chests, and an inferior kind in bags. The best variety of the Amboyna cloves is smaller and blacker than the other varieties, very scarce, and, as n mark of pre-cminence, is termed the Royal clove. Good cloves have a strong, fragrant, aromatic odour ; and a hot, acrid, aromatic taste, whieh is very permanent. They should be chosen large sized, perfect in all parts; the colour should be a dark brown, nlmost approaching to black; ama, when handled, should leave an oily moisture upon the fingers. Good cloves are sometimes adulterated by mixing them with those from which oil has been drawn; but these are weaker than the rest, and of a paler colour; and whenever they look shriyelled, having lost the knob at the top, and are light and broken, with but little smell or taste, they should be rejected. As cloves readily absorb moisture, it is not uncommon, when a guantity is ordered, to keep them beside a vessel of water, by which means a considerable addlition is made to their weight. Cloves contain a very large amount of volatile oil, the quantity being nearly 20 per cent. They are also, it is said, very rich in tannin. Livery portion of the tree is aromatic, and has been subjected to distillation ; but under existing circumstances the supply of this artide, once so scarce and precious, is abundant. The use of cloves in cookery is familiar to every one. but they enter also largely into perfumery, and are used in the Plarmacepocias of this country and the United States. (Thomson's Dispensatory; Milburn's Oriental Commerce; British Fharmaсорсіа, 1867.)
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Policy of the Jutch as to the Trate in ChomesFrom the exputsion of the dinglish from Amboyna in $16: 3$, the Juteh hawe, a few short intervals maly excepted, eujoyed the exclusive possession af the Moluceas, or Clove lslands. In their conduct as to the clove trate they exhibited a degree of short-sighted rapacity which has been, we believe, shlom equalled even in the ammals of monopuly. 'the ohject of the Duteh East India Compain was not to eneonarage the growth and trade of cloves, but to cmaine louth within the marrowest limits. They preferred deriving a large protit trum a stunted and petty trade, to a moderate protit from a trade that might lave afforded employment for a very large amount of enpital; and to prevent their narrow and selfish projects from being connteracted by the operations of the natives, they subjected them to the most revolting tyramy. 'That they might,' says Mr. Crawfurd, 'regulate and control production and price just as they thought proper, the clove-trees were extirpated everywhere but in Amboyna, the seat of their power; and the surrounding princes were bribed by annual stipends to lengue with them for the destruction of their subjects property and birthright. This plan was begum about the year 1551. The contracts are still in force, and an ammal flect visits the surromiding islands to suppress the growth of eloves, which in their native country spring up with a luxuriance which these measures of satanic rigour, and of sacrilege towards bountiful nature, can scarce repress. By the plan on which the clove trade is now conducted-a plan carried into effect through so much initpuity and bloodshed-the country of spices is rendered a netty farm, of which the naturalowners are reduced to the worst condition of predial slavery; and the great monopoliser and oppressor is that Government whose duty it should have been to insure fredom and affort protection. Iuman ingenuity could hardly devise a plan more destractive of industry, more hostile to the growth of pmblic wealth, or injurious to morals, than this system framed in a barbarous age : and it reflects disgrace upon the eharacter of a civilised people to persevere in it.
' It is curious to remark how the monopolisers, in carrying the details of this system into effect, at once imposs upon the natives and cleceive themselves. The nominal price paid to the natives is actually above the natural price of the commolity, but they are clecated in the details. The cultivator brings his produce to the public stures, where it is subjected nt once to a deduction of one-fifth for payment of the snlaries of the civil and military oflicers. The price of the remainder is fixed nt the rate of $9 \cdot 6$ Spanish dollars the pieul: but before payment is made, another deduction of one-fifth is male; one-half of which if for the chiefs or rajas, and the other for the native elders, who are overseers of the forced calture. The real price, thercfore, paid to the tower is 8 Spanish tollars per picul, or $3 \frac{1}{4} d$. per b. avoirlupois, instead of $1 \frac{159}{100}$ Spanish dollars fer picul, or ${ }^{2} d$., which is pretended to be ziven.
-When cloves have been sold on the spot, the rice usually exacted lias been about 64 Spanish dullars the picul, or 8 times the price paid to the cultivator. The average price in Holland, prefinusly to the war of the French revalution, was bout 6 s. per lb., or $177 \frac{78}{100}$ Spanish dollars per ficul, being 2,122 per cent. advance on the real cost fthe commodity in the place of its grow th. When frought rlirect to Englnud, they cost at an averLe 3s. 8 d . the lb., making $108 \frac{84}{100}$ Spanish dollars fre picul, an adyance on the natural export price
of 1,2 㗔 per cent.
(Linstern Archipelugo, vol. iii. pp, 3 к8-340.)
But it would be most untair to the Government and people of Holiand not to mention that this oppressive system has been entirely abolished. As respects the culture of cloves, it is now carried on upon nearly the sume plan that has been adopted in dive in respect to the culture of colle and most other articles, and is not very different from that under which opium is raised in Bengal. A certain extent of had is assigned to each village for the growth of spices; and the prodnce, which the villagers are bound to raise, is delivered to the Government at certain tixed rates. And provided these are reasonable, which we are assured is the case, we ineline to think that this is the best plan that can be pursucd. lf left to follow their own views. it is all but certain that the natives wouk contine their attention to the culture of the few articles necessary for their subsistence, and that the production of spices would be either wholly neglected or prosecuted only to a trifling extent. ('Tenminck, I'ussessions Neerlanduises ituns I' Inde Archipeleqique, iii. pp. 202-241.)

It was supposed for a lengthened period that cloves were a product peculiar. to the Moluccas, and that they could not be raised elsewhere; and this notion seems to have stimulated the Duteh linst India Company to obtain the monopoly of the trade. This notion is, however, far from being so well founded as was at first supposed. It is true that the attempts to cultivate the clove-trec in Surinam have not been very successful, and that in Javir, where its prospects were believed to be highly fivourable, it has not nnswered. This, however, is not the case with the plantations that have been tried in other places. Those, for example, that have been formed in Prince of Wales Island (formerly Pulo Penang) have been singularly successful, and furnish considerable supplies of the tinest cloves. (Thornton's Eitst India Gazetteer, iv. 175.) They are also pretty extensively grown in the Isle de Réunion (ci-devant lsle te llourbon), at Bencoolen, in Sumatra, and other places.

Of 900,057 libs, eloves we imported in 1857, no fewer thum $873,716 \mathrm{lbs}$. are said to have been supplied by the British East Indies ; but of these, considerable quantities were no doubt derived indirectly from the Dutch possessions, and from the Isle de Rémion, the Mauritius \&c.
The Duty on Cloves was considerably reduced in 1819 ; and there was, in consequence, a considerable increase in the consumption of the article, though not nearly so great as it would have been had it been supplied under a more liberal system. It was farther reduced in 18.12 to $6 \frac{3}{10} d$. per lb ., and in 1853 to $2 d$. It was repealed in 1860 . In 1866 we imported $1,213,467 \mathrm{lbs}$., valued at $18,845 /$, and exported $1,441,817 \mathrm{lbs}$. In the London market, in June 1867, the price of cloves varied, Amboyna from $4 \frac{1}{2} d$, to $5 \frac{3}{3} d$. per lb.; Penang and Bencoolen from $9 \frac{1}{2} d$, to 1 s . $0 \frac{1}{2} d$. ; Zanzibar from $3 d$. to $3 \frac{1}{2} d$. per do.
COACIIES. Vehicles for commodious travelling. They have sometimes two, and sometimes four wheels. The body of the coach is generally suspended, by means of springs, upon the framework to which the wheels are attached. They are usually drawn by horses, or impelled by stean. The forms and varieties of coaches are almost innumerable.

1. Historical Notice.-Beekmann has investigated the early history of coaches with lis usun care and learning. It is certain that a species of coaches were used at Rome; but whether they were hung on springs, like those now made use of
is not certain. After the subversion of the lioman power, horseback was almost the only mode of iravelling. About the end of the tifteenth century, however, covered carringes began to be emploved by persons of distinction on great occasions. In $\mathbf{t} 500$ there were at l'aris only three coaches; one of which belonged te the queen; another to the coldirated Dinna of l'oltiers; and the third to n eorpulent, unwieldy noblenan, lene de Laval, lord of lhois-Dnuphin. Coaches werescen for the tirst time, in Spain. in 154t. They hegan to be used in England nbout 1580, and were in common use among the notitity in the beginning of the seventeenth century. (listory of Inventions, vol. i. pp. 111, 127, ling. trans.)
2. Manufueture of Carriages.-This is a departmont of considerable value and importance. 'The best built and handsomest carriages are made in London, where only the trade of a conch currier is carried on; bit the carriages made at Elinburgh and some other places are also very superior. Down to 1825 a daty was laid on all carriages made for sale; aud, supposing that at an average carringes may last for 10 years, an amual supply of from 29,000 to 30,000 new carriages would be required to keep $u$ the stock of those that are now (1866) charged with daty, ex hackney carriages.
3. Duties on Curringes.-These duties have been long imposed, and have tluctnated considerabiy at different periods. The table on page 306 shows the number of four-wheeled and other carriages (exclusive of backney conches) charged with cluties in 1856 and 1866 .
4. Stage Corches, Travelling by.-Owing to the improvement in the breed of horses and the buildiag of carriages, but above all to the extraordinary improvements that were efliected within the last half century in the laying ont, construction, and keepiog of roads, the ordinary rate of travelling by strige coaches, previously to their all but total extinction by railways, was seldom under 9 or 10 mites an hour, stoppages included, and, on some roads, was as much as 11 or 12 . The stages laving been shortened, this speed was not found to be materially more injurious to the horses than the slower rate at which they previously travelled. The surface of the roads being perfectly smooth, and most sharp turns or rapid descents having been got rid of, travelling even at this rate was comparatively safe; and it was surprising, considering the number of conches, how few accidents oceurred. They were occasioned, for the most part, by the misconduct of the drivers, and prinscipally by their endeavouring to make up by inereased speed for timo losi at stoppages, or by their attempting to pass each other. It is, perhaps, needless to add that sinco the opening of raitways between all the principal. places of the country, travelling by stage coaches no longer exists, except in a few remote districts, and has become a matter of history.

Law as to Stage Coaches.-This is chiefly emborlied in the Acts 2 \& 3 Wm . IV. c. 120, and 3 \& 4 Wm. IV. c. 48.
Definition.-A stage coach is any carriage travelling along the road at the rate of 3 miles or more an hour, without regard to form, provided the passengers pay separate fares for their places therein; bat all carriages used wholly on a railway, or impelled by steam, are excepted from this detinition. ( $2 \& 3 \mathrm{Wm} .1 \mathrm{~V}$. c. $120 \mathrm{s.4}$.)

Licenses, Duties \& c.-The license duties imposed by this Aet, and the mileage, or duty on passengers travelling by stage carriages, were repealed in 1853, and the following license duties imposed in their stead, viz.:-

The duty of 1s. 2 d. per mile on every four passengers conveyed by raibay, imposed by the 2 d 3 Wm. IV. c. 129, havink been found to operate unequalty ard oppressively, was repealed in I812 by the 5 is 6 Vict. c. 59. This Act imposed, at the same time, a duty of 5 per cent. on all recelipts from passengers (iestricted by the 7 it 8 Vict. c. $x_{0}$, s. 9 to those paying more than $1 d$. per mile) by railways.

An important alterntion in the excise laws regulating stage carriages was effected in 1863,26 \& 27 Vict. c. 32, which inter alia enacted that the duties then payable for the licenses and stage carriages thereinafter lescribed should be reduced, and in lien of these duties thero should be paid in Great llitain for every original license, to be taken out yearly, to keep a stage carriage to carr: not more than 8 passengers at one time, tho dinty of 10 s , and for every supplementary license for the same carriage, which shall be taken out in any case allowed by law during the period for which such original license was grauted, the duty of $6 d$.
And for every mile which any such stage carriage slall be licensed to travel, the dity of $\frac{1}{2} d$.
l'enalty on carrying more than 8 passengers $10 l$.
Licenses may be granted (at the discretion of the Commissioners of Inland Revenue) for short periods.
For a carrlage with 1 horse,
$\begin{aligned} & 1 \text { horse, } \\ & 2 \text { hnres } \\ & \text { more }\end{aligned}$

- I Ila
more thon 2 horsies ": $\quad \mathbf{1 0}$

If for longer than one day, half the above rates for cach additional day, up to six days.

Stage Corches.-The daties levied on stage coaches by the Act 29 \& 30 Vict. c. 36 are as follow:-
For every mile which any stage carriage shall be licensed to travel in Great Britain, the excise duty of $z d$. In the Eleventh Report of the Commissioners of Inland Revenue it is stated thet the result of the reduction of the duty to fll. was an increase in the mileage in the year ended June 30,1867 , to $34,054,798$, or $1,179,000$ over the return of the previous year; but the mileage duty fell from 130,0851 , to $40,742 l$.
The following are the rates payable for horses \&c. Iet to hire under this Act after July 6, 1866 :-


Excerding 20 horsens ther for each additional
number of 10 horses, and for ony additional
number lext than 10 , ver and above 20, or any
other multiple of 10 hotset, the further addiother muitiple of 10 hotsed, the further adds-
tional duit of In liev of the dutit

Stage carriage licenses expire on the first Sunday of November.

Stage carriage licenses may be taken out for a quarter of a year. Each quarter to be deemed to commence on April 1, July 1, October 1, Jannary 1, and the license payable being one-fourth of the annual sum duc.

Stage ear may lie trans Wrant of stage enrring or with recal or wlth impr each by a pe 28.)

Penally on not the owner outside. Jena it. (Scc. 3ti.)
Certain Carr or Lutygage, vi shall lie niore th ur the bearing distance betwee whecis, shall b? i/. (Sec. 37.) Jufguge on Height, viz. 10 f carriuge trawn b inches from ditt horses. Driver is cominitted lial The clauses in lating to the dist have been repreale which substitutes
Numberof Outs stage carriage wi roof of which shat ches from the froo the ground sliall no the centre of the $t$ riage shall be lied more than 9 passe nut more than 50 if licensed to car than iz passenger: more than 8 of $s$ licensed to earry than 15 passengers, than 11 of such pra to enary more that selurers, shall be it of such passen carry any greater shall be nillowed to passengers outside kers which such carry in the whol creater number of the outside than $j$. mure be carried, in
Driver, Gifeard, conuted as passen reckoned as one pa
No person to sit mure than 1 pers TMalt, i\%, (Sce.
Justices, Road-sı rised to cause sta measured; any pas driver to stop at gate-keeper to me: ant to count the nt sengers. Penalty oa gate-keeper ne or refusing to me $\mathrm{Wm} . \mathrm{iV} . \mathrm{c}^{2} 120 \mathrm{~s}$

Stage carringe licensea during their currency may be transferred by endorsement.

Want of Liirwse \&c.-K ceping, using \&c. nuysiage enrringe without a license, of without plates, or with recnlled platen, or contrar to their licenses. or with improper plates, nro offences punishable earh by a penalty of 201 . ( $2 \times 3 \mathrm{Wm} .1 \mathrm{~V} .84,27$, 28.$)$

I'malty on Drivers of Coaches without I'lates, it not the owner, 10l. ; it the owner, 20l. (Sce. 30.)
t'orging Plates, a misdencanor. (Scc. I2.)
Names of Proprietors \&'ce to be mainted outside, in Iegible and conspicuous characters; the names of the extreme places bet ween whic! such earriage shall be licensed to go ; and also the grent est number of passengers licensed to be carricd inside and outside. I'enalty for neglecting this particular, \%. (Sec, 36.)

Curtain Carriages not to carry Outside Passengers or laggage, viz. those the top or ruof of which whall be more thin 8 fect 9 inches from the frommi, ur the benting of which on the gromal, that is, the distance between the centres of the tracks of the whecis, shall be less than $I$ feet 6 inches, l'enalty, in. (Bec. 37.)
Jungrue on the Koof' not to excred a certuin Height, viz. 10 feet 9 inches from the ground on $n$ earriage drnwi by 4 or more honses; nud 10 feet: $:$ inches from ditto if on a carrigge drawn by 2 or 3 horses, Driver of any carriage where such offence is committed liable in in penaity of $\overline{\mathrm{o}}$, (Sec. 43.)
The clanses in the Aet $2 \& 3$ Win. IV.c. 120 reInting to the distribution of outside pnssengers \&e. have been repealed by the Act $3 \& 4$ Wm. IV.c. 48 , which substitutes the following in their stead:-
N'umber of'Outside I'asvengers \&fc.-Any licensed stare carringe with 4 whecls or more, the top or roof of which shall not be more than 8 feet? inches from the gromil, aud the bearime of which on the ground shall wot be less than 4 feet 6 inches from the centre of the tracks of the wheels, if sith carriage shall be licensed to carry any number not more than 9 paseengers, shall be allowed to carry not more than 5 of such passengers ontside; and if liennsed to carry more than 9 nad not more than 12 passengers, shall be allowed to carry not more than 8 of such passengers ontside; and if licensed to carry more than 12 nud not more than 15 passengers, shall beallowed to carry not more than 11 of such passengers ontside; and if lieensed to carry more than 15 nad not more than 18 passemgers, shall be allowed to carry not more than 12 of such passengers outside; and if licensed to corry any greater number than 18 passengers, shat be allowed to carry not more that 2 additionnl passengers outsite for every 3 additional passengers which such earriage shall be so licensed to carry in the whole; provided that in no case a qrater number of passengers shall be earried on the outside than is anthorised by the lieense. If mure be carrici, itriver to forfeit 5 2. (Sce. 2.)

Driver, Guard, and Chiddren in lap not to be conuted as passengers: 2 children under 7 years reekoned as one passenger, (Sec. 3.)

No person to sit on Laggage on the Roof, nor more than 1 person besides driver on the box. P'enalty in). (Sec. 14.)
Justices, Roud-surneyors, Toll-keepers \&c. authorised to canse stage carringes and lugrage to be measured; any passenger nuthorised to requite the driver to stop at a toll-gate and to require the gate-keeper to measure the carriage and luggage, and to count the number of iuside and outside passengers. Penalty on driver refusing to stop, 51. ; on gnte-keeper neglecting to provide a measure, or refusing to measure and count, $5 l$. (2 \& 3 Wm. İV. c. $120 \mathrm{s}. \mathrm{45}$. )

Conduct of Drivers \& \& $c$ - Drivers mitting the box lefore a proper person shail stand at the head of the hurwes; sueli person leaving the lorses bofore some other person shall be placed in like maniter, or lave the command of the horses, or boefore the driver has resmmed his reat on the box and taken the reins; triver nllowing any passenfer or other yerson to drive for him, or leavilif tha box without may reasomable ocension, or for a longer time than is absolutely necessary; concealing o: :nisplacing plates; guard discharging fire-arms umecessarily ; driver, conductor, or gumrd neglecting to take care of lugrage; asking more than the proper fare; neglecting to account to his employer; or assaultung or using abusive languago to any person having travelled, or about to travel, as a passenger, or to any person accompanying the same; shall in ench and every such case forfeit $5 \%$ (Sec., 47.)

Drumkenuess \& $\cdot \mathbf{c}$-Drivers, conductors, or guards linving the care of any stnge carringe, endangering through intoxicntion, negligence, or wanton and furius driving, the safety of any passenger or other person, or the property of the owner of such carrigge or other person, slintl each person so oflending forfeit 51 . (See, du.)

Ouruers liable for pennlties, when driver or guard is not known or cannot be found. (Sec. 49.)

Mail coaches are mader the regulations of the: lostmaster-Genernl; anul the enactnents in this Ast as to plates, inseriptions, outside passengers, and luggage do not extend to them; but the other regulations as to the conduct of drivers, guards \&c, do apply to them. Mail coaches have only four ontside passengers: one on the box, and three i.mmediately behind the box. No passenger allowed to sit beside the guard. The rate of travelling, the time allowed for stoppages, the quantity of luggage to be carried de, are ull regulated by the Post-master-(ienornal.
Rates of Duty on Carriuges.-These are fixed by the $16 \& 17$ Vict. c. 90 as fullows, viz.:-

Annual Duty fat

For every such earriage with 4 wheels:
Whure the nalue chall be drawn 5.2 or more l.urnes or inules.
horse or mule only
For evt, y rarriage wity lens diameter than 30 wheels;
Whare the same hall wedres: Where the same shall le drawn by 2 or more
pnies ar mules, neather of them esceedugg $1: 3$ handa in helght nil where the same nti where the same
pony or mule only
Frr every carriage wh les 4 wis Fir every carriage on th less than 4 wheels: Where the mime shall be drawn by 2 or more
har es or mules. And where the : harse or mule only
And where the same ahill be dra And where the same shall be drawn by $t$ impy or mule only, not exceeding 13 hands
nul used any sheh carriage shail te kelit for hire
For or hire or every carriage uset hy nny common earricer
pincipally ant bona tite for and in the carrying of poods, wares, or merchandlise, whereby he sh it seek of livelihoox, where wuch earriage shall be orcasionally only esed In conveging passengers for hire, and in onch manner that the wage carrlage duty le payable unilet any license by the Com. missitiners or Inland lievenue :
Where such last-mentioned carriage shatl have 1 wheels wherls

268
168

## Rules for charging the said Dutics.

1. The said duties to be respectively charged for every ceach, Inndan, chariot, chaise. sociable, caravan, curricle, chair, or car, and for evel. other carriage constructed for the like purposes, by
whatever name or anmes the same slinll be called or known, nad upon all such carriages hired by the year or any longer period, and upon all such carringes kept to be let out to hire.
2. Ilae diaty on carriages kept to be let out to hire to he paid by the person keeping the same for such purpose, and to be chazged on the greatest mumber of such carringes which shall have been kipt at any one time, and which shall have been actually lot during the preceding yenr; provided that if a due return thercof shall not be mode by the hirer of nny such cariage, necording to the directions of the Acts in torce, stnting therein the name and place of abode of the person letting the same to hire, such hirer shall be ciargeable with the said duties.

## COAL,

Numbers of Staye and Mackney Carriages.-In the year ending March 31, 1867, 9,099 stare and hackney carriages pnid Excise lieense duty in Great Britain, to the amount of $13,174 l$., the froportion being about 36 in England for 1 in Scotland. The duty, for what reason it is not easy to divinc. does not extend to Ireland. (For nn necount of Ilaceney Concmis, see the term; and Railway Carriages, see liallways.)

In 1866 we exported 798 carriages and carts, valued at 70,6981 ., besides 1,057 railway passenger carringes of the value of $165,711 l$. , and 6.88 railway wnggens and trucks worth $37,8 \cdot 161$.
During the years ended April 5, 1856 and $186: 6$. carringes were charged under Assessed Taxes, aud produced as follows, viz. :-


COAL (Dutch, stemkoolen; Fr. charlon de terre; Ger. steinkohlen; Ital. enrboni fossili; Lat. lithanthrax; Port. carvoes de terra, ou de pedra; Iuss. ugolj, kamennoe; Span, carbones de tierra, carbones de piecira; Swed. stenkol). This lighly important mineral is recognised by mineralogists noder three hends : 1. Lignite, brown or boghead eoal ; 2. Common or Bituminous Coal ; 3. Anthracite. 'The second of these kiuds contains an endless number of varieties.
fignite.-Bovey coal, so called from its being worked at Bovey 'lracey in Devonshire. It is of comparatively little importance, being used chietly for pottery. Some of the varicties of lignite are of eonsiderable value, as the loghend or brown cannel of Scotland, and similar products in Prussia and Austria.

Bituminous coal is the commonest kind. It is very widely listributed in Great Iritnin, being worked from Somerset to Sutherlandshire.

The Somerset and Glouces cer collieries are those of the Forest of Dean and the bristol coal-field. The prodnce of this region in the year $18 t \cdot 1$ was, inclusive of the Devonshire anthracite of Bideford, nearly $2.000,000$ tons. The Bristol coal-field contains about 50 square miles.

South H'ales Field.-This district, which supplied nearly $7,000,000$ tons of coal and anthracite during the year $1 \times 6 \cdot 4$, is of great extent and thickness. It has been computed by S. W. Logan and Sir II. de la Bêche that the thickness of these carboniferous strata is not less than 11,000 to 12,009 feet.

Whropshire.-This contnins the Coalbrook-dule field. The total thickness of the coal is from 16 feet to 55 . Produce in 1864, $1,150,000$ tons.

Stafford and Worcestershire-- ihis coal-field, which has beon described minately by Mr. Beete $\therefore$ akes (see the Birminqham Mardurare Industries), contains a peculiar and important bed of thick coal. The area is about 130 square miles, and the a a of thicis eoal is nbout 30 feet in thickness. The produce of the conl in the two cuunties was 11,459,851 tons in the year 186.t.

Derbyshire and Nottinghamshire.-The produce from the first-named county was in the same year $4,470,750$, that from the latter 796,700 .

Leicestershive and Warwichshire.-The best coal ol this clistriet is that at Ashby de la Zouch.

The proluce of Lecestershire was in the same year 890,600 tons. The Vars, ickshine coal, between Tamworlh and Coventry, suppined 751,000 tons.

Forhshire-This eounty comprises the important collieries of Barnsley, Malifax, Leeds, Bradford, Indelerstichd \&.c. The produce was $8,805,600$ tons.

Lancashire.-The area of this coal-field is about 250 square miles. In certain districts the itisgregnte thickness of the coal strata is 93 fect. It contains the thick and valuable seams of camel coal nt Wigan. The produce was $11,500,000$ tons.
Chrshire.-Produce in 1864, 822.750 tons.
Monmouihshire. - Produce in i80.l, $\leq, 0: 5,500$ tons.

Cumberland.-This district is a narrow region about Whitehaven; the workings in some parts being carried moler the sea. The produce in N (w. was $1,380,795$ tons.

Durham and Nortiamberland. - This is the widest and most important nrea from which coad has been extracted, and that from which it has been longest obtained. The produce in 186.1 was $23,2 \cdot 4,367$ tons.
North Wales.-'This distriet comprises the enat measures of Flintshire and Denbighshire. In 1864 it supplied $1,987,060$ tons.
Scotland. -There are three prineipal coal-hasins in Scotland. 1, that of Ayrshire ; 2, that of Clydesdale ; 3, that of the valley of the Forth. It supplied 12,400,000 tons in 186.1.
Ircland.-Although the Irish supply is at present very small, the island having protuced only 125,000 tons in 1864 , the area over which coal is distributed is ve y large. Anthracite is found in the Leinster and Mmster distriets, bituminous coal in Connaught and Uister.

Anthracite.-This exceedingly important kind of fuel, whicis is a moditication of coal, is exten sively used in blast furnaces, for which it is espe cially fitted, for its great heating power. It contnins very little volatile matter, and the bess varietics have only a slight amount of ash. It fact, it is nearly pure carbsn igniting with som ditliculty, and giving ont intense heat during cons bustion. Its localities in the United Kingdom ar Bideford, the western division of the South Wale
c al-fielis, and consislered to thrown away. anthracite as a f Dirtionary.)
The total coa corcling to Mr. II is 12,800 square $\frac{1}{10}$ of the whole proportion is stil same authority $\frac{2}{81}$ coal-benring strat fium $1 \cdot 22$, in $B$ America also $1 \cdot 20$ Wat it is believed mines is three o durised from all tl
The following o coni in this countr
therefore stands to therefore stands ti
to the editor by hi nent Professar of Oxford:-

- Coal is found an systems of stratavery little, and that bomiferous rocks, jus mountain limestone coal formation, and dbont 29,000 scitare 15,000 feet. In the and the soutbern par and worked in the par stone strata, occasic
stome. In the North stone. In the North Tweed and the Trent, but nowhere abundar scrics.
But in general, in where coal is now ob is from the upper par true conl iormation. miles of mourtain sin las ouly a few square : near Kilkenny and 0 surces of the Shannon castle. Scotland posse. in the British islands, a the basin of the Forth rety rich both in coal a the limestone above, as
s ries below.
'The carboniferous sy: land, Letween the Tween utween 9,000 and 10,0 we exerptions of the lim thire and Yorkshire, coa worted at intervals thro but the really producis Licto square miles, to $w h$ and to oceur or very 1 atern borders, in Durhan and Nottinghamshire, abo guare miles. Of the ot
britsin, the larges; is that su square miles. flintshire, the vale of the anl-ficlets, may be assume mudin. very probablo e. miles.
'Thus we have for a gra
al area actually known al area actually known al ad highly probable extens ring a total of $5,400 \mathrm{squ}$ Conj. urally we may bo
c al-fielr?, and Ireland. Fifty years ago it was considered to be incombustible refuse, and was thrown away. (For parliculars as to the value of anthracite as a fuel for furnace purposes, see Ure's Dirtionary.)
The total coal area of thon British Islands, aceording to Mr. Ilunt, the Kecper of Mining Records, is 12,800 square miles, and therefore amounts to $\frac{1}{1}$ of the whole surface. In the Uuited States the proportion is still higher, being according to the same authority $\frac{2}{0}$ of the whole. In France the roal-bearing strata are $1 \cdot 100$ of the area, in leelgium 1.22, in Bohemia 1-20, in British Noth America also $1 \cdot 20$, in Spain 152, in Prussia $1 \cdot 90$. but it is believed that the produce of the British mines is three or four times as much as that derived from all these countries put together.

The following observations as to the supply of coal in this conntry, and the relation in which it thercfore stands to industry, have been supplied to the editor by his friend Mr. Phillips, the eminent Irofessor of Geolog in the University of Oxtord:-
'Coal is found and work' : in our islands in two systems of strata-the oolitac rocks, which yield very little, and that of small value; and the carbomiferous rocks, justly so named, which include mountain limestone, millstone grit, $^{\text {rit }}$ and proper coal formation, and occupy in the British lses about 29,000 sfiare miles. Tine total thickness of these strata may be taken as not execeding 15,000 feet. In the northern part of England, and the sonthern part of Scotland, coal is found and worked in the midst of the mountain limestone strata, occasioaally with valuable ironstone. In the North of England, between the lweed and the Trent, coal is found and worked, but nowhere abundantly, in the millstone grit series.
'But in general, in all parts of Great Britain where coal is now obtained in large quantity, it is from the upper part, called exceptionally the true coal formation. Ireland, with 16,000 square miles of mourtain 'imestone and millstone grit, has only a few square miles of valuable coal beds, near Kilkenny and Castle Comer, about the vorres of the Shannon, in Tyrone, and at Ballycastle. Scotland possesses the largest coal-field in the British islands, about 1,600 square miles in the basin of the Forth and Clyde. This field is very rich both in coal and irou-is productive in the limestone above, as well as in the sandstone sties below.
'The carboniferous system of the north of Enghand, between the Tweed and the 'Trent, occupies btween 9,000 and 10,000 square miles. With the exceptions of the limestone disiricts of Derbybire and Yorkshire, eoal is found and has been warked at intervals throughout this large tract; but the really produccive tracts do not exceed 1.000 square mites, to which we may add, for coal buown to oceur or very likely to be found on the watern borders, in Durham, Yorkahire, Derbyshire, ond Nottinghanshire, about ( 600 more; in all 2,200 guare miles. Of the other coal-fields of Great britsin, the larges: is that in South Wales, about Sin square miles. The remainder, in Anglesea, Flintskire, the vale of the Severn, and the midland mal-fichls, may be assumed at 400 square miles, or, Dfuding very probable extensions, at 700 square viles.
'Thus we have for a grand total, of productive wal area actually known about 4,500 square miles, whighly probable extensions 900 square miles, aking a totnl of 5,400 square miles.
'Conje : urally we may believe that in Yorkshire, rbyshire, aud Nottinghamshire, under the
plain of Cheshire, between the midland coal-fichls, and in the valleys of the Severn and Avon, as mucl as 600 square miles of eoal will be found worksble. This makes in all 6,000 square miles of available British coal.
'The greatest total thickness of coal in any district of Britain probably ocears in Sonth Waless - 120 fect. In most parts of England it falls below 60 feet. The thickness is not to be assumed as equal over the whole area: in some parts the coal beds are in such condition as to fatits, leptht, and earlier workings as to be quite unworkable. Many of the beds are too thin to ise workable: For these reasons we may take $\frac{2}{3}$ oi the total quantity existing as really attainable.
'Sixty feet of coal existing, our estimate of available thickness is 40 feet, from which $\frac{1}{3}$ must be deducted for old workings and waste. 30 teet remain, which, on the usual calculation of $1,1,00$ toms per acre for each foot in thickuess, gives 30,000 toms per acre $=19,200,000$ tons per squar: mile $=115,200,000,000$, as the toral quantity which accordiag to reasomable estinates can ever be reached in these islands. $\frac{1}{4}$ of this quantity ( 1,500 square miles) has been ulmittell as probable; the remainder may be regaried as certainly available, but at prices contimually groucing higher and higher as the depths of the works continually augment, and as coal beds less in value or more expensive in working come into demand.'

As to foreign coal-fields, Mr. Phillips says:-

- Most of the coal of Europe, excepting our own. lies in tracts of no great extent, at considerable distances from the sea. The valuable coalfield of Belgium contimed across the Nhine to Elberfeld io one of the nearest to shipping. Coal in fact reappears on the same line at Boulogne; but whether there be a continuous deposit from the ricinity of Valenciemes to near this port is not known: if it be so, the depth would probably be found in most parts too great for working. The princinal coal-ficld of France, St. Etienne, is covered with industrial establishments, and is limited to a small areci, viz. 109 square miles.
'The coal-fields of Saarbruck, Silesia, and Bohemia are all of considerable extent; IRussia has several tracts of inferior coal south of Moscow ; Poland a small basin of geod thick coal; Spain some considerable tracts in the Asturias, ant Portugal a small area on the Douro. The whole of these Earopean fields wonld probably be fonmd on strict enquiry not to contain so much coal as the coal-measures of Great Britain.
- In the Black Wea, at IIeraclea, a small quantity of coal is known; in India several pretty larere scattered tracts, some fairly productive. The coal of Borneo is used for steam purpose3, and increased supplies will soon be drawn from New Zealand, Queenzland, and New South Wales. Japan yields much coal, accessible from the sea; China contains coal far inland; Africa has coal on the Zambesi.
' British America has coal in the eastern provinces, especially in Nova Scotia and New Bronswick, the thickest beds bring at Pieton. The United States possess traets of productive conl-measures exceetling those of all the rest of the worid, as at present known. The greatest fields of conl are on the western side of the Appalachian ehain, a thousand miles from the sea; but a small tract of good coal appears on the eastern side of the range, near Richmond. Brazil, lately under examination by Agassiz, contains a large tract of cual in the interior.
' On the whole it appears that Britain, and the
islnnds under the control of Britain, must be looked to for exports of coal "dum stabit fortuna," and that we can never hope to feed onr own furnaces and work our own looms by the aid of fuel from other parts of the world.'

| Fuel |  | Pounds burnt per hour | Duration of trial, hours | Tempera(ure | $\|$Pounds of <br> Water eva. <br> porated <br> from nitiat <br> temperaturu <br> by 1 1b. of <br> coal | Pounds of water at $218^{\circ}$ from 1 lb . of coal | Coal per hnur on 1 sq . foot of grate | Time In seconds of comsuming 1 lb .coal |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Middleria Scolch co.al Anthracite |  | $\begin{aligned} & 81 \cdot 33 \\ & 47.94 \end{aligned}$ | ${ }_{81}^{9}$ | $4.4{ }^{\circ}$ | $\begin{aligned} & 6.66 \\ & 8.73 \end{aligned}$ | $7 \cdot 74$ 10.10 | $10 \cdot 00$ 5.88 | $\begin{aligned} & 41 \cdot 27 \\ & 75 \cdot 09 \end{aligned}$ |

The number of collieries in existence in the year 1866 was 3,188 , as contrasted with 2,397 in 1853. There are twelve inspectors of collieries : one for Northumberland, Cumberland, and the North division of Durham; one South Durham; one Yorkshire ; one Derby, Notts, Warwick, Leicester; one Cheshire, Shropshire, North Staftord; one South Stafford; one North and East Lancashire ; one St. Ilelen's a. . Wigan district in Lancashire, and for North Wales; one South-west of England and South-zast Wales; one Glamorganshire and South-western Wales; one for the Western division of the Scotch field, and one for the Eastern. 'There is no inspector for Ircland.

Origin of Cual. Phenomena of Combustion \&c.Conl beds, or strata, lic among those of gravel, sand, chalk, clay \&c., which form great part of the present surface of the earth, and have been evidently accumulated during remote ages by the agency of 'moving water,' similar to accumulations now in process of formation at the mouths of all great rivers, and in the bottoms of lakes and scas. When these strata had, by long contact and pressure, been solidified into a rocky crust to tie earth, this crust, by subsequent convulsions of nature, of which innumerable other proofs remain, has been in various parts broken and heaved up above the level of the sea, so as to form the greater part of our dry or habitable land; in some places appearing as lofty mountains, in others as extended plains. In many situations the fracture of the crust exhibits the edges of the various distinct strata found in a given thickness of it. When the fracture has the form of a precipitous cliff, these eifges appear one above another, like the edges of piled planks or books; but often also they are met with in horizontal succession along a plain, as the edges of a pile of books laid down upon a table; or they may be seen surrounding hills of granite, which protrude through them. Coal, and other precious minerals, were first discovered at the fractures of the strata above described, and by the continued digging of the strata or veins the vast excavations called mines have been gradually formed. When it was at last discovered that the mineral strata occur every where in nearly the same order or succession, so that the exposure of a portion of one stratum is a good indication of the other strata bcing near, the operations of the miner became of much surer result, and expensive boring through superior strata might be pridently undertaken, even where no specimen of the desired but more deeply buried substance had yet been seen.

Before the discovery of conl-mines, or the invention of cheap means of working them, wood was generally used as fuel; and in many countries where the arts have not much flourished, it continues to be principally employed as such. Coal, however, for many purposes, answers much better than wood; and, in fact, the two, although in nppearance so different, are in their ultimate n... -position very nearly allied. They both have ior

The great value of anthracite coal as a means for supplying heat is illustrated by the following results of Dr. Fyfe's experiments on the comparative powers of Scotch bituminous conl with antlıracite:-
their basis or chief ingredient the substance called by the chemists carlon, and for their chief other ingredient the substance called hydrogen, which, when separated, exists in the form of air or gas. The hydrogen is easily driven away or volatilised from cither coal or wood by heating in a close place; and when it is caught and preserved, it forms the gas now used to light our streets and public buildings. What remains of coal, after being so treated, is the substance called coke; and what remnins of wood, similarly treated, is the substance called charcoal-both being nearly pure carbon, but differing as to the states of compactness. This kindred nature of coal and wood does not surprise when the fact is known that much of our conl is really transformed wood; many coal-mines being evidently the remaius of antediluvian forests, swept together in the course of the terrestrial changes already alluded to, and afterwards solidified to the state now seen. In these mines, the species of the plants or trees which formed them are still quite evident in abundant speciniens, mixed often with tho remnants of tho animals which inliabited the earth at the same time. The extensive peat-mosses now existing on the surface of the earth consist chiefly of vegetable remains in an early stage of the kind of change which terminates in the formation of coal.

A substance which, like coal or wood, cheaply answers the purpose of producing great hent and light is called fuel, and the phenomenon of that production is called combustion. Now, modern discovery has ascertained that, in every instance, combustion is merely an anpearance whicli accompanies sthe mutual action, when very intense, of two substances in the act of forming an intimate or chemical union. Where that ect is less energetic, the heat produced is less intense, and there is no light. Thus, water and sulphuric acid when mixing produce great heat, but no light. Water and quicklime produce still greater heat; sufficient, it is known, to set fire to a ship in which the mixture unfortunately occurs. It is an occurrence of the same kind when heat is evolved from an acid dissolving a metal ; and it is atill of the same kind when a mass of coal or wood in a fire-grate is, with the appearance of combustion, undergoing solution in the oxygen of the atmosphere. In this last case, however, the temperature of the fuel is, by the very intense action, raised so much that the fuel becomes incandescent or luminous; all appearance assumed by every substance, whether burning or not-of a stone, for instance, or piece of metal-when heated beyond the temperature indicated by $800^{\circ}$ of Fahrenheit's thermometer. The inferior degrees of such incandescence are called red heat; the auperior degrees, white heat. The reason why any atrongly heated body throwa out light we cannot yet explain. When a guantity of wood or coal has been burned to ash in a confined portion of air, the whole of the fucl, vanished from view, is held in aolution by the air, as salt is held in water, and is again recoverable
by the art of common fire, fucl being c atmosphere.
it, as is true coke and cha of red-hot st as hydrogen, sumes the forn burning, and i inenndeseence
The two $n$ serves to man the former he ally the durat converts the di whint, for many ind by the lat any climate $w$ effect most im substances whic since the invent hent perform a society. From seived the impo and, as the chea hnving nbundan
As respects $t$ mularly favoured of the comentry thick beds of thi precious to us th precious metals, for coal, since it cngine, is really atmost every pu rected by ingent possession of her Britain, in relati city is to the rur the producer and ducts of art and is
The kinds or di comparative prop and of earthy in While some speci of their weight o fiftieth part. The pleasing in parlou ture of gas. The stone coal, for ins large heaps, or w mable coal: they coal is burned whe not pass through bine with and cons rises, a dense smd hydrogen and carb which form a pitcl abore mentioned tlame, and hence breweries, nad in towns, where sniol foliated or cubical asei' as fitel in pri for smithy forges; open, answers bes wind furnace, as it and ylance conl, for drying grain and m contain less volatild lish or the Scotch; smelting the ore, Heat
The following ned England is taken fr tics for $1866:-$
by the art of the chemist. The phenomenon of common fire, or combustion, then, is merely the fuel being ehemically dissolved in the air of the atmosphere. If the fuel has nothing volntile in it, as is true of pure carbon, and nearly true of coke and chareonl, it burns with the appearance of red-hot stones; but if there be an ingredient, as hydrogen, which, on being heated, readily assumes the form of nir, that ingredient dilntes before burning, and in the act produces the more bulky incandescence enlled tlame.
The two great purposes which combustion serves to man aro to give light and heat. By the former he may be said to lengthen considerably the duration of his natural existence; for he converts the dismal nud almost useless night into what, for many ends, serves him as well as dny ; and by the latter, besides converting winter into any climate which he desires, he is enabled to effect most important mutations in many of the substances which nature offers for his use; and, since the invention of the steanm-engine, he makes heat perform a great prorortion of the work of society. From these consderations may be perseived the importance of having fire at command; and, ins the cheapest means of commanding fire, of having abundance of coal.
As respects the supply of coal, Britain is singularly favoured; a large portion of the shrface of the comstry having under it continuous and thick beds of this valuable mineral-vastly more precious to us than would have been mines of the precious metnls, like those of Peru and Mexico ; for coal, since it has been applied to the steamengine, is really hoarded power, npplicable to nlmost every purpose which human lahour directed by ingenuity can accomplish. It is the passession of her coal-mines which has rendered Britain, in relation to the whole world, what a city is to the rural district which surrounds itthe producer and dispenser of the various products of art and industry.
'The kinds or differences of coal depend on their comparative proportions of carbon and hedrogen, and of earthy impurities totally incombustible. While some species of coal contrin nearly a thitd of their weight of hydrogen, others have not a tiftieth part. The former kinds are flaming conl, pleasing in parlour fires, and fit for the manufacture of gns. The other kinds-some of the Welsh stone conl, for instance-will only burn when in large heaps, or when mixed with more intlammable coal: they have no flame. When flaming conl is burned where a sufficiency of oxygen cannot pass through or enter above the fire, to combine with and consume the hydrogen as fast as it rises, a dense smoke is given out, consisting of hydrgen and carbon combined in the proportions which form a pitchy substance. 'The Welsh coal abore mentioned can as little give out smoke ns tlame, and hence is now much used in great breweries, and in the steam-ingine furnaces of towns, where smoke is a serious nuisance. The folinted or cubical conl, and slate coal, are chiefly uset' as fuel in private houses; the calking coals, fus smithy forges; the slate coal, from its keeping open, answers best for giving great heats in a wind furnace, ns in distillation on a large seale; and glanee conl, found in Staffordshire, is used for dryiur grain and malt. 'The coals of South Wales contain less volatile matter than either the English or the Seotch; and hence, when employed in smelting the ore, preduce a greater quantity of ison.
The following necount of the prodnce of coal in England is taken from Mr. IIunt's Mineral Stutistics for 1866 :-


Table showing the Increase in the Number of Collieries in the 10 Years since 1850.


General Summary of the Quan tities of Coal brought into the London District, Cuastwise, by Inlund Nuvigation, und Railways.

| Year | Coastwise | Inland Navigution | Total |
| :---: | :---: | :---: | :---: |
|  | tons | tuns |  |
| 1831 | - |  | 2,0x1,517 |
| ${ }_{18.36}^{18.56}$ |  |  | 2, $2,99,416$ |
| 18.37 | 2,626,9,97 | 2,324 | 2, $2,640,321$ |
| 18.34 | 2,231,1045 | 1,64.5 | 4,5x2,70 |
| 1 18.99 | 2,64.5,34.1 | 12, 13.3 | 4, 2730.256 |
| 1811 | 2,5ini, $\times 19$ | 22, 2158 | $4,509,0187$ |
| 1841 | 2,9110,144 | 35,591 | $2,919,738$ |
| 1812 | $2,725,210$ | 31,519 | 2, 31,711 |
| 1815 | 2,624,520 | 34,668 | $2,663,2111$ |
| 1811 | 2,190,910 | 7-2,256 | 2,563,166 |
|  |  | Railway and Canal |  |
| 1845 | 3,392,512 | 86,64 ) | 3,161,199 |
| 1816 | 2, $2,241,36,7$ | 35,667 | 2,9,5, 496 |
| 1847 | $3,2310,120$ | 41,297 |  |
| 1818 | 3,411,310 | $611, \times 19$ | S, 4 9,199 |
| $1 \times 19$ | \$, $3.39 .141 ;$ | 41,6111 | 3, $7 \times 11,7 \times 6$ |
| 14.00 | $3,50.5,301$ | 83,579 | 3,6,48,883 |
| 18.51 | 3.23 .51542 | 254,341 | 7, 1991,963 |
| 18.52 | 3,3,4, 424 | 411,917 | 3,74,345 |
| 18.3 | 3,373,256 | 6.53,349 | 4,142, $9 \times 8$ |
| 18.51 | 3, 5193,561 | 977,210 | 4,36,i] |
| ${ }_{1}^{18.55}$ | 3,01ti,869 | $1.161,086$ | 4,177,955 |
| ${ }_{1 \times 57}$ | $3,119,881$ $3,13.159$ | 1,27, ${ }^{1619}$ | 4,366,5,31 |
| 18.58 | 3,26i6,446 | 1,210,645 | 4,777,091 |
| 18.59 | 3,494,170 | 1,2014,132 | 4,5079,2012 |
| $18.6)$ | 3,5,3,177 | 1,497,138 | 3,170, 115 |
| 1861 | 3,6s7, 0142 | 1,661,104, | 5,242,165) |
| 10152 | 3, 112,4142 | 1,524,917 | 4,967,319 |
| 186.3 | 3,335,1;4 | 1,781,713 | 5,115,4.87 |
| 1864 184 18.5 | 3, $3,116,7615$ |  | $5,614,015$ $5,903,241$ |
| ${ }_{1 \times 66}$ | 3, $3,031,68,193$ | $4,741,5 \times 8$ $2,980,073$ | 5,903,271 $6,413,266$ |

The number of persons (all males) engaged in coal-mining was returned in the censuc of 1861

COAL
at 246,613 . It is probable that altuongh within the last five years the produce oddition has has materially increaser of coal-miners, since been made to the number fored for cutting coal machinery is being employed annully greater. to an extent whis howerer, we must add those To, these persons, howerenl trade, the number of who are engaged in the coal ratherity, including whom, according coal-factor

Prequcssize production of coal in Great Britain alone, and of the export from and the consumpt Enited Kingdom, from 1855 to 1866 :-


It will be plain from this table that the consumption of coal has increased within eleven years by nearly one-third. The therree in which coal as a necessary of life, and the depree in wepends our superiority in arts and manufactures a cheap upon our obtaining supplics of a grod deal of upon oure naturally attracted a good heriod when attention to the question as to the period antithe exheustion of the coall-mines ne the subject eipated. Frequent discussions on of a Royal led, at length, to the appointment of a pursuing its Comnissio
enyuries. The test scarcity is price. If the increased The test a limited quantity is felt to so far demand of a lumited quan a check to its fulness, afficet supply as to threaten article incritably rises. The more the price of the article ineritably rises. necessary the commodity is, the more sensitive and undoubted is the demand, the more however, is the market. It in the London district at that the price of coal, in fiected by the consumpleast, has been sensibly affected by the consing Mineral tion. The
Statistics. The presence of con the owner, and it may be of great advantage to tresent prices, which do not the case that even at notable inerease during ae seem to suggest any notwe price has heen kept last thirty-lour years, the colliery proprictors to down by the cancm of the property they possess. realize the bencits this mutive be operative, it Still, even thongh this mat to hide the manifest would not be strecking supply and so of raising admantage of chech may be the facts of the case, prices. Whatever may the owners of coal-mines it is clear that at present the ow will be benelited do not anticipate that they wimi diuantity sent in the future by
to the market. , which will probably be not very At some the, remote, the reach its maximum, and searcity will cond will reach its maxcity will induce a rise in lic felt. Sud with it an ecmomy of the article.
This ceonomy, often a countervailing forco to the

The Prices of $\lambda$

Profits of Coai Sc.-Instead of cenerally speak distinetly the large fortunes and associations these are rare in is a very expens of very uncertai to an inlinite mu no caution can $\varepsilon$ have, it is true, introduction of some mines arc invention of this been entirely ab. which are still from the careles contingencics, stroye: by creep by drowning or workings throu and consequentl great, indeed, i of property, th effect an insura water, or any ot
Mr. huddle Hense of Lords collieries, in th and companies, than might be prosit, accordin, luttery; yet, a employed on be tainly it has no Again, heing as on the Tyue an mate on their 'tecording to t think that by ne at simple intere terest for the ree In addition $t$ siukiug of shaf

The Prices of Newcastle and Sunderlamd Coal in the London Nurket during euch Month of the Fears 1832 to 1866，both inclusive．

| Vear | Jan． |  |  |  | 3arch |  | April |  |  |  | dune |  |  |  | Sept， |  |  |  | Oct． |  | Nov．Dec． |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \ddot{\theta} \\ & 3 \\ & 3 \end{aligned}$ | $\frac{y_{0}^{x}}{4}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{c} \\ & \substack{9 \\ \hline} \end{aligned}$ |  | $\begin{aligned} & \text { O } \\ & 0 \\ & 0 \end{aligned}$ |  | $\begin{aligned} & 0 \\ & 9 \end{aligned}$ | $\begin{aligned} & \text { E } \\ & \text { E } \\ & \pm \end{aligned}$ |  |  | $\begin{aligned} & \text { f } \\ & 0 \\ & 0 \end{aligned}$ |  | $\begin{aligned} & 4 \\ & \mathbf{C} \\ & 4 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \stackrel{\rightharpoonup}{6} \\ & \text { है } \end{aligned}$ | $\begin{aligned} & \text { 券 } \\ & \text { 总 } \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{gathered} \text { c. } \\ \text { 品 } \end{gathered}$ |  | $\begin{aligned} & \text { 葆 } \\ & \text { 空 } \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\frac{\text { 总 }}{\stackrel{y y y y}{3}}$ | ¢ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 |  | 14 | 183 |  |  | 1.3 | ${ }_{23}$ |  | $6{ }^{23} 8$ |  | 21 <br> 18 |  |  | 110 | 170 | 163 | 19 | 126 | 230 |  | 136 |  |  |  |
| 1．31 |  | 0.13 | \％ 20 | 1 |  | 126 | 6483 |  |  | 140 | 2） | 1 | 0 |  | ${ }^{1} 13$ | 146 | 2 | 1 |  | ， | 1 |  |  |  |
| 18.75 |  | 01.5 | 249 | 11 | 226 | 1311 | 11930 | 11 | 24 | 1 | 20 | 119 | 21. | 15 | 216 | 150 | 2 | 16 | 3 | $1{ }^{1}$ | 4 | 17 |  |  |
| 183 |  | 6 15 | ${ }^{23} 6$ | 13 | 4 | 116 | $6 \times 33$ |  | \％ |  | 21 | 5 J | \％ |  | 226 | 15 | 1 | 17 | 276 | $1 \times$ | 27 | 19 | ， |  |
| 14. |  | 618 | 280 | 19 | 770 | 170 | ${ }^{0} 2643$ |  | 23 | 1 | 少 | 6 |  |  |  |  |  |  | 21 |  |  |  |  |  |
| 14.38 |  | $0_{1} 17$ | 280 | 19 | $2 \times 0$ | 186 | 612 |  | 23 | ） | 2.3 | ， | 2.35 |  | 44 | 13 | 2.3 | 16 | 2.59 |  | 260 | 17 | ds | 164 |
| 14. |  | 317 | 246 | 17 | 2．） 0 |  | 68.56 |  |  |  |  |  |  |  | ${ }^{2} 3$ | 10 | 4 | 17 | 219 |  | 250 |  |  |  |
| 1 l 10 |  | 017 | 25 | 16 | 45 | 150 | 9239 | 15 | 2\％ |  | \％1 3 | 1 | 23 | 160 | 23 |  | 4 | 15 | 216 |  | 433 |  | 25 |  |
| 1511 |  | 9.17 | 27 | 17 | 239 | 150 | 024 |  |  |  |  |  |  |  |  |  | 20 | $1+$ | 23.3 |  | 21 |  | 23 6 |  |
| 12 |  | 011 | \％ | 16 | 216 | 140 | 028 |  | 210 | 13 | 43 |  | 213 |  | ［41 | 12 | 21 |  | 22 | 15 | 21 |  | 1 | 3 |
| 1413 |  | 611 | 21 | 130 | 213 | 120 | 021 |  | 206 |  | 6 \％ 9 | 12 | 20 |  | （2） |  | 19 | 12 | 4 |  | 219 | 11 | 206 | 613.3 |
| 1514 |  | 912 | 206 | 6136 | 629 | 126 | 6429 |  | 329 |  | 125 | 1 | 15 | 4 | 23 | 15 |  |  | 4 |  | 216 |  |  |  |
| 1585 |  | 0,16 | 21 | 14 | 216 |  | 6206 |  | $20) 3$ |  | 020 | 12 | ${ }^{14}$ | ${ }^{12}$ | 118 | 3 | 19 | 3 | 19 | 14 | 18 | 11 | 18 | ［1301 |
| 1846 |  | 0.15 | 018 | 6120 | 170 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 0， 7 | 47 | 146 | 213 | 14 | 0.200 |  |  |  | 6189 |  | 6，18 | 114 |  |  |  |  | 24 |  |  | 16 | 2.5 | $11: 30$ |
| 1818 |  | 611 | 623 | 12 E | 180 | 11 | $6{ }^{6} 173$ |  |  | 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $1 \times 1$ |  | 311 | ${ }_{17} 17$ | 106 | 173 | 11 | 0,216 | 18 | 318 | 11 | 016 | 11 | ${ }^{6} 176$ | 614 | 18 | ${ }^{12}$ | ${ }^{6} 18$ | 12 | 121 |  | 193 | 12 |  | 1311 |
| 1450 |  | 614 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11 |  |  |  |  |  |
| 1451 |  | 0＇11 | 616 | 116 | 150 | 11 | 6159 |  | 01.5 |  | 0.14 | 11 | 015 | 11 | 01.5 | 911 | 016 | 11 | 18 |  | 91） 0 | 13 |  |  |
| 4.5 |  | 9，11 | 617 | 611 | 0170 | 5 | 616 |  |  | 11 | 011 | 11 | 016 | 11 | 015 | 611 | 417 |  | $1{ }^{18}$ |  | ，14 |  | 18 | 6136 |
| 153.7 |  | 0.14 | 1） 22 | ¢ 146 | 610 | 15 | 020 （1） | 13 | 6186 | 12 | 9170 | 13 | 318 | 61.3 | 02.3 | 615 | ${ }^{1} 26$ | ＊ | 26 |  |  |  |  |  |
| $1 \times 15$ |  | 11,22 | 6311 | 1190 | 830 | 15 | 620 | 11 | 121 | 16 | 021 | 15 | 021 | 15 | 625 | 015 | ${ }^{0}$ |  | 627 |  |  |  |  |  |
|  |  | 014 | 99 | 60 | ${ }^{2} 80$ | 9 15 | 0 \％ 48 | 15 | 3210 | 15 | $0 \times 16$ | 1.5 | ${ }^{1} 42$ | 11 | $6{ }^{43}$ | 615 |  |  |  |  |  |  |  |  |
| 185 |  | 615 | 619 | 14 b | 186 | 613 | 6196 | 11 | 018 | 13 | 6180 | 15 | $6{ }^{20}$ | 613 | 619 | 0,13 |  |  |  |  |  |  | 19 | 硣 |
| 18.57 |  | 613 | 919 | 12 | 186 | 12 | 200 |  |  |  | 0.17 | 13 | 019 | 13 | 0117 | 013 | 019 | 613 | 683 |  |  |  |  |  |
|  |  | 612 | 019 | 6116 | 6450 | 11 | 6,203 | 12 | 017 | 12 | 0,176 | 11 | 917 | 912 | 6 6 | 118 | ${ }^{6} 18$ | $)^{12}$ | 621 | 12 | 6，\％ | 13 | 519 | 17 |
| 14．39 |  | 312 | 019 | 6116 | 6180 | 11 | 0.186 | 11 |  | 14 | 9196 | 14 | 917 |  | 017 |  |  |  | 620 |  |  |  |  |  |
| 18（i） |  | ${ }^{5} 13$ | 21 | 9130 | 121 | ， 12 | 0286 | 12 | 620 | 12 | 619 | 13 | 019 | 613 | $0{ }^{2} 1$ | 012 | 6 ＊ | 013 | 324 | 13 | 0.4 | 111 | 61 | 15 |
| 13isi |  | 615 | 24 | 140 | 0210 | \％ 11 | 6190 | 14 |  | $1{ }^{12}$ | 310 | 12 | 3200 | 012 | 019 | 312 |  | 012 | 1） 40 |  |  |  |  | 61.3 |
| $1 \times 6$ |  | 312 | 617 | 116 | 6176 | 11 | 0176 | 12 | 0.17 | 11 | ${ }^{16}$ | 11 | 0140 | 011 | ${ }^{6} 18$ | 011 |  | 619 | 019 | 12 |  | 113 | 519 | ${ }^{12}$ ？ |
| 15 |  | 013 | 017 | 126 | 6183 | 11 | 0176 | 611 | 117 | 12 |  | 12 | 3180 | 012 | 318 | 612 |  | 312 | 3 t | 312 |  | 114 | 621 | 0150 |
| 18 |  | G 14 | 020 | 112 | 3196 | 612 | $\mathrm{f}_{6} \mathbf{2} \mathbf{2}$ | 6 | 9,18 | d 14 | 617 | 1.3 | 0.19 |  | 318 |  | $0{ }^{2} 1$ |  |  |  |  |  |  | 16 |
| 15 | 2.3 | 013 | $6 \%$ | 6 | 3226 3170 | ¢ | 918 616 | 13 | 180 | 0 |  | 1 |  |  | 3 |  |  |  | 343 619 | $\begin{gathered} 615 \\ 619 \end{gathered}$ |  |  |  | 0：15 |

Profits of Coal－Mining．Coal－Ouners＇Monopoly fr．－instead of the business of coal－mining being， generally speaking，an advantageons one，it is distinetly the reverse．Sometimes，no doubt， larce fortunes lave been made by individuals and associations engaged in this business；but these are rare instances．The opening of a mine is a very expensive and hazardous operation，and of very uneertain result．Collieries are exposed to an infinite number of aceidents，against which no caution can guard．The chanees of explosion have，it is truc，been a good deal lessened by the introduction of Sir Jtumphry Davy＇s lamp；and some mines are now wrought，that，but for the invention of this admirable instrument，must have been entirely abandoned．But besides explosions， which are still every now and then occurring， frum the earelessness of the workmen and other contingencies，mines are very liable to be de－ stroyed by crecps or by the sinking of the roof，and by ilrowning or the irruption of water from old workings through fissures which camot be seen and consequently cannot be guarded against．So great，indeed，is the hazard attending this sort of property，that it has never been possible to effect an insurance on a conl－work against tire， water，or any other accident．
Mr．Buddle informed the committee of the Hense of Lords，in 1829，that＇although many collicries，in the hands of fortunate individuals and companics，have been，perhaps，making more than might be deemed a reasonable and fair profit，according to their risk，like a prize in a lottery；yet，as a trade，taking the whole capital cmplised on both rivers，he should say that eer－ tainly it has not been so．＇（First Report，p．56．） dyain，being asked，＇What have the coal－owners on the＇ryne and Wear．in your opinion，generally made on their capital employed？＇he replied， ＇According to the best of my knowlelge，I should think that by no means 10 per cent．has been made at simple interest，without allowing any extra in－ terest for the redemption of capital．＇（p．57．）
la addition to the vast expense attending the sinking of shafts，the erection of steam－engines
de．，and the risk of aecitents，the coal，after being brought to the surface，has frequently to be con－ veycd 7 or 8 miles to the place of shipping；and those whose collieries are in that situation have to pay way－leave rents，anounting，in some cases， to 500 l，a－year，for liberty to open a communication， or a railroad，through the properties lying between them and the shore

Much has frequently been said of the monopoly of the coal－owners on the Tyne and the Wear； but we are satistied，after a pretty careful inves－ tigation of the eireumstances，that no such mono－ poly has ever existed；and that the high price of coal in the metropolis is to be ascribed wholly to the various duties and charges that have been laid upon it from the time that it has passed from the hands of the owner to the time that it is lodged in the eellar of the consumer．What means have the coal－owners of obtaining a monopoly price for their coal？They enjoy no exelusive privileges of any sort；they are a numerous borly；and the trade is as open as any other to all eapitalists to engage in．The number of places on the east and west coasts，both of England and Scotland， and the southern parts of Wales，from which coals are exported，render it quite visionary to suppose that any general agreement to keep up prices ean take place amongst the varions coal proprieters； and though such an agreement were entered into， it is impossible it could be maintained．The power of producing coal greatly execeds the present demand；many new mines have been recently opened，and many others would be brought into activity were the price artiticially enhanced．It is true that the coal－owners referred to，having experienced the ruinous effeets of throwing a superabundant quantity of coal upon restricted and already glutted markets，have oecasionally met together；and each having named the price he thinks his coal wilt command，and at which he intends to sell it，they have proceeded jointly to regulate，according te the probable demand， the quantity that each shall raise during any par－ ticular period．By means of this arrangemeut the supply and price of coal have been kept，during the
time it has existed, comparatively steady, Common prudence prompts and justifies such an arrangement; but it also suggests the neeessity of reducing the price of coal to the lowest level that will ufford the eustomary rate of profit. For were the price demanded by the northern coal-owners raised above this level, new mines would be opened in Durham and Northumberland; the imports from the Tees, whence a large supply of excellent conl is at present brought to the London market, would be nugnsented; and fresh eomretitors, from Stransea and other places, would come into the field and undersell them. Government should encourare and promote this fair competition ; but it ought, at the same time, to so equal justice by all the competitors. It is not to lend assistance to, or remove burdens from, one set of adventurers, which it does not lend to or remove from others. It is no part of its duty to say how coals, or nny species of produce, shall be carried to market. It is bound to give every reasonable fncility for the opening of new elanicels or modes of conveyance between all parts of the country; but it would be flaringly unjust to lay a tax on the coals conveyed by a particular channel from whieh those conveyed by other channels werc exempted.

The aggregate eapital employed by the conlowners on the Tyne amounts to about $4,500,0001$., exelusive of the craft in the river : and supposing this estimate to be nearly correct, it will follow, allowing tor the value of the ships, that the total enpital employed in the con tride may be moderately estimated at from 20 to $2 \overline{5}$ millions; an inmense sum to be nlmost wholly at the risk of the owners, without any insurance upon it.

Mistory of the Use of Coal. Duties and Regulations affecting it, particularly in the l'ort of London.-There are $n$ n mines of eoal in either Greece or Italy; and no evjdence has been produced to show that the ancients had learned to avail themselves of this most useful mineral. No evidence has as yet been adduced as to the time at which sea-coal was first employed for economical purposes. The following is from Mr. Rogers's work on Agriculture and Prices in England, vol. i. p. 422: 'Its appearance at 80 distant a place as Dover in 1279, the earliest entry which has come under my observation, suggests that the coastiog traffic in this article mist have been familiar. It was purchased for the use of the castle, nnd must, of eourse, have been burned in a fire-place with ehimney. Again it is used at Walcton and Weston, two places in Suffolk and Hlerts, which formed part of the estate of Roger bigod, the freat Earl of Norfolk. It is found at southampton in 1298. It is quoted in the necounts of Clare Castle and Clarette, prart of the possessions of the Earl of Gloueester. It is bought at Ilexley in lient. and Hoton in lessex. It is found at Westbury in Wilts, probably from the Somersetshire measures. It may be added that among the various traders given in the taxing bill of Colchester, Rot. Parl., vol. i., sea-conl denlers are mentioned at the close of the 13th century.' It occurs in a charter of Henry III., granting license to the burgesses of Neweastle to dig for eoal. In 1281 Neweastle is said to have had a considerable trade in this artiele. About the end of this century, or the begiming of the fourteenth, conls legan to be imported into London, being nt tirst used only by smiths, brewers, dyers, soap-boilers \&e. This innovation was, however, londly complained of. A notion got abroad that the smoke was highly injurions to the public health; and in 1316 Parliament petitioned the king, Edward I., to prohibit the burning of coal, on the ground of its being an intolerable nuisance. Ilis Majesty
issued a proclamation conformably to the prayer of the petition; but it being verylittle attended tos, recourse was had to more vigorons measures; o commissioner of oyer and terminer being issued out, with instruetions to enquire as to all who burued sea-eoal within the city, or parts adjoininer; to punish them for the first oflence by ' peemiary mulets;' and upon a second offence to demolish their furances; and to provide for the strict observance of the proclamation in all timeto come.

Ilut notwithstanding the efforts that were thus made to prohibit the use of coal, and the prcjulice that was long entertained against it, it contiaued progressively to gain gromad. This was partly, no doubt, owing to experience having shown that conl smoke had not the noxious influence ascribed to it, but far more to the superior exeellence of conl as an article of fuel, nud the growing searcity and consequent high price of timber. In the reign of Charles I. the use of coal became universal in London, where it has ever sinee been used to the exclusion of nearly all other artieles of fucl. At the Restoration the quantity imported was supposed to amount to about 200,000 chaldrons. In 1670 the imports hal increased to 270,000 chalIrons. At the Ievolution they amonted to about 300,000 chaldrons, find have since gone on increasing with the growing magnitude and population of the eity; being, in 1750, abont 500,000 chaldrons; in 1800 , nbout 900,000 chaldrons; and in 1866 nbout $600,000,000$ tons. (Campbell's Political Survey of (ireat Britain, vol. ii. p. 30; Edington On the Coal Trade, p. 41; \&c.)

It might have been supposed, considering that conl is, in this country, a prime necessary ot life, and by far the most important of all the instruments of manufacturing industry, that it would lave been exempted from every species of tas, and that every possible facility would have been given for its convevance from the mines to the districts in the south of Finglnad, and other places in want of it. But such has not been the case. The coal trade of Great Britain was, for more than a century nud a half, subjected to the most oppressive regalations. From a very carly period the corperation had undertaken the task of weighing and measuring the coal brought to London, and had been accustomed to charge $8 d$. a ton for their trouble. In 1613 the power to make this charge was confirmed to the city by royal charter, it being at the same time ordered that no coal shonld be mbladen from any vessel till the Lord Mayor had given lenve. The right to charge this sum according to the chaldion of coal has sinee been contirmed to the city by Aet of larliament; and as the labouring meters, notwitlsstanding they have been very well paid, linve received only $\bar{j} d$. out of the 8d., the balance of Bd. per chaldron, which produed about 21,0001 a-year, went to the city treasury.
But besides the above, duties for eivic purnoees have been laid on the conl imported into Louden from the reign of Chorles II, downwards. They were originally imposed is 1667 , ufter the great tire, in orilur to nssist in the rebuilding of ehurches and other public editices; and have ever since been continued, to enable the corporation ty extcute improvements in the city; though it is proballe most of our readers will be inclined to think that few improvements could be so wreat as a reduction in the price of so very important an article as coal.

Exelusive of the corporation duties, a duty payable to Government was lain on all sea-bornc coal in the reic̣n of William IlI., which only ceased in 1831. This duty was at once glaringly uajust
and oppre those par carried b nmonnted to tho co being long to 9s. $4 d$. bs. in 182 not confin the empire Even ther it amounte metropolis amountent to Ircland, while scot empted fro
Besides various tre were requi being made small coal, species of being allow wall, Devon distinctions 1830, aud no lected in Lon priated to los A small su to London fre This conl was dron ; but thi

The regula of coals were if possible, sti impused on th all coals imp viously to 18 to observe the las given ris mathematicin Neweastle, wa that, 'If one (nearly equal a moderitesiz very small, it that the prop) depends nipor counting by The shippers upon the con coal only; an ciple carried, was screened, over gratings. asmuch, howe subsequent st been deliver. interest of er came before into smaller of the retaile increase of m Mr. Brandlin coil-owner, s 1829 thant, in are reduced they would 1 and subjected
The staten the nullity sale ot' coal b these regula being, as th ther would as any disho
mut oppressive: unjust, inasnuch as it fell only on those parts of the empire to which coals hat to be carried by sen; and oppressive, inasmuch as it nmounted to full fifty per cent. upon the price paid to the coal-owner for the coal. This tax, alter being long stationary at 5 s. per chaldron, was ruised to $9 s, 4 d$. during the late war, und was reluced to lis. in 1824. But the inequality of the tax was lut confined to its affecting those parts only of the empire to which coal had to be carried by sea. Even there its pressure was not equal ; for, while it amounted to $6 s$. per chaldron, or 4 s . per ton, in the metropolis and all the south of England, it only amounted to 1 s . $7 \frac{1}{4} \mathrm{~d}$. per ton on coal carried by sen to Ireland, and to 1 s . 8d. on that carried to Wules; while seothand was for many years entirely exempted from the duty.
lesides this striking partiality and injustice, varions troublesome Custom-house regulations were required in consequence of distinctions being made between the duties on large and small coal, between those on coal and culm (a species of coal), and coal and cinders, and of conl being allowed to be jmported duty free into Cornwall, Devon \&c. for the use of the mines. These distinctions were, however, wholly abolished in 1830 , and no duties exist on coal except those collected in London and a few other ports, and appropriated to local purposes.

A small supply of coal was of late yenrs brought to London from Sitaffordshire by cannl navigation. This coal was eharged with a duty of 1 s . per chaldron ; but this is now alvo repealed.
The regulations to which the sule and iclivery of eoals were subjected in the city of London were, if possible, still more objectionable than the dutics imposed on them. Instead of beiner sold by weight, nil coals imported into the Thames were, previonsly to 1831 , soll by measure. It is curious to observe the sort of abuses to which this practice has given rise. It is stated by the celebrated mathematician Dr. Hutton, who, being a native of Neweastle, was well acquainted with the coal trade, that, ' If one coal, measuring exactly a cubic yard (nearly equal to 5 bolls), be broken into pieces of a moderate size, it will measure $7 \frac{1}{2}$ bolls; if broken very small, it will measure 9 bolls; which shows that the proportion of the weight to the measure depends upon the size of the conls; therefore accoming by weight is the most rational method. The shiphers were well aware of this, and insisted upon the coal-owners supplying them with large coal only; and to such an extent was this principle carried, that all coal for the London market was screenerl, as it is technically termed, or passed orer gratings, to separate the smaller pieces. Inasmuch, however, its coals were sold in all their subsequent stages by measure, no sooner had they heen deliver at by the owner than it was for the interest of every one else into whose hands they came before reachinir the consumer, to brenk them into smaller portions. In fact, the profit of many of the retailers in London arose chiefly from the increase of measure by the breakage of coal. And Mr. Brandling, a very intelligent and extensive coal-owner, statell to the Conmons' committee of 18:9 that, in consequence of the breakage, coals are reduced in London to a size inferior to what they would be were they put on board unscreened, and subjected to no additional brenkare.
The statements now made sutliciently evince the nullity of all the regulations enforcing the sale of conl by eorrect mensures; for even though these regulations had been enforced, instend of being, as they usually were, wholly neglecten, they would have been of ulmost no tise ; inasmineh as any dishonest dealer was as able to cheat by
breaking his coals a little smaller than usual, as if he had sold them in deficient measures.
Tho loss occasioned by the useless process of sereening has been very great. The quantity of conl separated by it has amounted in some cases to from 20 to 25 per cent. of the whole; and the greater part of this residne, containing a portiont of the very best coal, js burned on the spot. '1 have known,' says Mr. Buddle, 'at one colliery, is many as from 90 to 100 clandrons $n$ day destruyed. If they were not eonsumed, they would cover the whole surface, and in the burnings of them they are extremely destructive; they destroy the crops a great way round, and we pay large sums for injury done to the crops, and for damage to the groind.' (First L.ords' Report, p. 72.) 'The waste of conl hat been in this way enormons: and the conl-owner has beonobliged to charge a higher price upor the coal sold, in order to indemaify himself for the loss of so great a quantity, nud for the mischief he does to others in burning.
The fact that so monstrous a system should have been persevered in for more than a century sets the power of habit in reconciling us to the most pernicious absurdities in a very striking point of view. Happily, however, the misance was at last abated; the snle of ccal by weight taking away both the temptation to break coal, and the necessity of screening.

The duties of nll sorts that were formerly paid to the corporation of the city of London were commuted in 1830 for a daty of $1 \mathrm{~s}, 1 \mathrm{~d}$. perton, whichpro duced in 185 l a gross revenue of $187,991 l .16 s .434 d$. (Parl. Poper No. 29, Sess. 185̄2.)

Most of the coals for discharging into barges are now brought to the Pool by serew steamers. The cost of the best Wallsend put into barges in the Pool would now (1868) be $19 s .3 d$., made up as under:-


To which must he added charges ineurred for conveyance from the vessel to the cellar of the consumer:-


Steam ships are gradually superseding sailing vessels, as they can earry at a much cheaper rate.
There are many wharves below bridge where vessels unlond alongside, and so save the cost of lighterage and reloading from the barges: but $1:$ different class of ship is required, the freight of which is dearer. The charges by this way would be:-


No doubt, however, the expenses attending the delivery of coal to the consumer might be further, and very materially reduced, were quavs constructed at which ships could lio alongside, and diseharge their cargoes without the intervention of lighters, and without being subject to the
lelays to which they are now e eposed. It apthe consumers in bags might in the great majority of cases be advantageously dispensed with. No wach practice exists in Manchester. Liverpool, (ilnsgow, or other large towns; and, generally speaking, it seems to occasion not only a heavy, hit a perfectly useless, expense. There is a very keen competition in the retail coal trade in Londen, and the individual who deals with a respectable coal merchant may be pretty well assured that he gets his conls at the lowest price at which, as matters now stand, they can be sold.
Eightpence per ton of the lluty of Is. 1d. would have "eased in 186 "2 but for the Aet of 186 I , which continued it in its entirety till 187?. By 26 \& 27 Vict.c. 46 the duty to the extent of 1s. was further continued to $1 \times \$ \mathbf{i}$, , of being mortgared for the Thames Embankment, nuel क for the Iolborn Itill improvements. Again, by 31 Vict. e. 17 it has beon still farther extended to 1889-the $f$ being diverted, however, to freeing certain suburban bristges from toll.
Account exhibiting the Quantitics of the rarions Descriptions of Coal imported into London by Sea in 18.58 , and specifying also the Number of Ships or Cargoes.


During the same year (1858) 1,213,464 tons were imported into London by land, that is, by canals, railways, and common roads.
Statenent showing the Quantities of Coals \&c. brought into the London District, ily Railuwy,
Canul, and by Sea, in 1866 and 1867.

| Hy Railway and Canal. | 15666 tons | $\begin{aligned} & 1.567 \\ & \text { tons } \end{aligned}$ |
| :---: | :---: | :---: |
| Iondon and North-western Kailway | 1,15-9967 |  |
| direat Northern " |  |  |
| I;reat Western $\quad$ " | - 36, 9108 |  |
| (irrat Eastern $\quad$ Midland | - 212,467 |  |
| Mldand $\quad$, | 150 , tita |  |
| South-western ** | 21,078 | 1,315,131 |
| Nouth-eastern " | 9,3, |  |
| Chatham and Dover " | 6,15if |  |
| Pilbury and Southend ", | - 6.3N |  |
| Grand Junction C'anal ", | - 10,176 |  |
| Total | - 2,980,072 |  |
| Ily Sea. | 1866 | 1867 |
| Nicweastle - . | - 1, | 1,512,291 |
| Seaham - | - 112,648 | 82,0182 |
| Sunderland - | 7.11,377 | 79x,346 |
| Middlesbro' - we | - 65, 192 | 56,481 |
| Hartepool and West IIartlepoo! | - 113,468 | 410,481 |
| Blyth - - . | 13,777 | 6,9149 |
| Fcotland | - 24, ${ }^{2}$ 21 | 39,444 |
| Wales | $5.4,304$ | 4), 1501 |
| Vorkhire | 23,375 | 45,98s |
| Duir | 692 |  |
| Small coal | 21,148 | 9,316 |
| Culn - | 596 |  |
| Cinders | 8.7:0 | 9,957 |
| Total | $5.1133,193$ | 3.016,416 |
| Tutal by Rail, Camal, ant Sea | - b,013,263 | 6,329,550 |

Regulatione as to Sale in Loulon.-A seller's ticket is to accompany all coals sold within the city of London and its environs, specifying the species of coal, and the number of sneks and weight of eoal sent. The coals may be either in bugs containing 1 or 2 cwt ., or in bulk. The earman is in all cases bound to carry a weighing machine with the coal, which machine is to be made
conformably to regulation; and, upon being desired, he is to weigh any one saek, or tho whole sacks in his waggon. l'enalty on refusing to weigh, or otherwise obstructing the weighing, 20i.Penalty on non-delivery of ticket to purchaser, 201. In the event of the weight heing deficient, a penalty is imposed of 101 . or 501 . aceording to defieicney. Quantities of less than 560 lls , mny le sold without being weighed. ( $1 \not \& 2 \mathrm{Wm} .1 \overline{\mathrm{~V}}$. c. 76.$)$

To save trouble in collecting the duties that still nttach to coal in the port of Lomlon, the corporation is authorised to compound with the owner or master of any ship or vessel importing coal, for the tonunge upon which the duties are to be paid. $\Lambda$ certitirate of such composition, expressing the mumber of tons of conl, cinders, or culm ngreed to le taken as the eargo of the slip or vessel compounded for, is to be given to the master or owner of the same, auld to be taken as evidence of the quantity on board.
When no composition is entered into, the coal is to be weighed in the presence of an officer of the eustoms at the port of shipment; and the duties are to be paid upon the weight so shipped.
The shipment of coal in the Tyne is regulatel by the Act 5 Geo. IV. e. 72 , commonly called thic Turn Act. The objeet of this Act is to make nll ships engaged in the trade of the Tyne be londed in the order in which they arrive. It prevents any preference being given to particulnt slips, and renders it nearly impossible for any coal-owner to give constant employment to any vessel in the trade which he may wish to employ. In some respects this Act is probably advantageons, but, on the whole, its policy seems very questionable. Why should a coal-owner be prevented from enploying certain ships in preference to others? Under this Act, if more shipss engage in the trade than can be profitably employed in it, the loss produced by detention in port, and waiting for a cargo, instend of falling, ns it naturally would, were the trale fres, on particular ships, and driving them from the business, falls equally on cvery ship employed, and represses the whole trade. There is no regulation of this surt on the Wear.
Duty on Coal conreyed to London by Railuay, Canal \&c.-The 8 \& 9 Viet. c. 101 has imposed the same aities on coals conveyed to the metropolis by rai way, canal, or other inland carringe, that are imnosed on them when conveyed by sea. It has farther enacted that $1 d$. per ton of the produce of such duties shall be accumalated from Deeember 31,1845 , ns a fund for the exceution of improvements within the metropolis.
Duties on Coal when exported.-The question as to the poliey of laying duties on the exportation of coal mainly depends (as the exhaustion of the mines need not be thouglit of) on the fact whether British coal be necessary or of considerable consequence to the progress of manufactures and arts in foreign countries. If it be, then certainly it would be good poliev to preserve that suneriority which we derive from the possession of eoal by probibiting its exportation, or burdening it when exported with a considernble duty; but if the possession of our coal be not necessary or of ensiderable importance to the foreigner, such prohibition or duty would encourage the working of forcign mines by discouraging the working of our own, without producing any corresponding advantage. It has been said that it is not easy to pronounce positively how the fact stands. On the whole, however, there does not appear to be much room for doubting that a supply of British coal, though it may not be indispensable to the foreigner, is of the greatest ser-
vice to hit aulvanitige not otherw success. II that of En, suceessful tle world; of the Unite supplyius o Jinerlish co $133,8 \% 5$ tons regrariled the on coal when inte. We at would not ho of conl, at th a considerabl membered) y

Acconnt of t
Lomilon
1861 to 1


An Account of

The followin price of eoal s the undermenti

| Sear | $\begin{gathered} \text { l'er } \\ \text { Chaldror } \end{gathered}$ |
| :---: | :---: |
| 1:30 | $\boldsymbol{f}$ 0 $d$ <br> 1   |
| 17.35 | 130 |
| 170 | 190 |
| 1745 | 1100 |
| 1755 | 178 |
| 1761 | 1128 |
| 1765 | 1124 |
| 173 | 1.916 |
| 1735 | 110 113 |

* Best

This table sets the on coals. and of the
vice to him, and enahles him to earry on whth forclgner, liat British coal (the total exports of alvantuge various undertakings in which he conld which in 1866 wero $9,618,216$ tons, valued at not otherwise have engaged with much chance of $4,8{ }^{\circ} 0,0192$.) la of incomparably more inportance to suecess. The coal of Belginm is not so good as the foreigner now than it was in 1845 ; and wo think that of Eugland, and is too far inland to come into that the lmposition of a dinty of bs, a ton on it suecessful competition with ours in the market of when exported would be a hifichy expedient the world; anil the sume may be said of the eonl measure. It wlll be no holiday task to show how of the United States. The latter, indeed, fiar from a revenue of upwaris of $2,100,000 \mathrm{l}$. n-year may be supplying others with coal, are large importers of raised with less inconvenience.
Linflish coal, having taken from us in $1866^{5}$ The following is an aecount of tho mumber of $13 i, 87 \bar{i}$ tons. Such being the case, we have always tons of coals imported into the port of London regarded the repeal in 1845 of the duty of $4 s$, a ton $d u r i n g$ each of the years from 1861 to 1846 inon coal when exported as a most unwise proceed- clusive, and of the gross and nett amount of revenue ins. We are well convinced that its retention received in each of those years from the cluty on would not have materially atlected the exportation coals; showing also the quantity of coals brought uf eoal, at the same time that it would have yielded lamdwise into the eity of London and its limits, a considerable amount of revenue which (be it re- and the amount of cluty received thercon, in each membered) would have been wholly paid by the of these years:-

Account of the Total Quantities of Coal brought by Sca, Ruil, and Canal within the Limits of the London Coal Duty Redius, and the Nett Proceeds of the Duties thereon, in each of the Years from 1861 to 1866, both inclusive. (Parl. Paper No. 12 of 1867.)

| Vear | Seaborne | Hailway | Canal | Ilthad | 4 val | Nett l'roceeds of 9 d. luty* | Nett Irocects of $4 d$. duty $\dagger$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1861 | $3^{\text {Stons }}$ |  | ${ }_{14}^{\text {tons }}$ | $\mathrm{lans}_{4,147}$ | $5,20115,0.52$ |  | $\boldsymbol{E}$ $7.5,831$ |
| 1864 | 3.1420102 | 1,513,296 | 11,651 | b, 12 |  | 1.jb, itit 8 \& 10 | Cik, ${ }_{\text {cht }}$ |
| Infi.3 | $3.3,3,174$ |  | 9,246 | - 2,419 | S, 12\%,10t | 166,113 is 4 | 7i, 4111110 |
| jxil | 3, 116, ${ }^{\text {a }}$ | $2,314,110$ | 8,902 | $8,3 \times 1$ | 3,176, 146 | $17.719{ }^{4} 3$ | 76,319 81711 |
| intis | 3,161,643 | 2, 23:0,056 | 8, 58 |  | 5,409,910 |  | $88, \mathrm{Ol} 1.58$ |
| 1stif | 3, $0.3 .3,193$ | 2,369,896 | 111,176 | 6,917 | 6,9211,182 | 187,102 9 9 | 83,156 1210 |


An Account of the Quantitics and Value of Coul exported from the United Kiugdom in 1866, specifying the Qumentities and Values of the Coal sent to different Countries.

| Countries | Quantities | Value | Countries | Quantitics | Value |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | tans 861 | 270,243 |  |  | ${ }_{64,711}$ |
| Nuswia Sux cenen | 161,094 $83,5,50$ | 270,283 119,624 | St. Thomas | $\begin{gathered} 199,314 \\ 32,264 \end{gathered}$ | 16,413 |
| Norway | 15,5,115 | 85,ixs | United States: |  |  |
| lenmark | \$29, itis | 219,966 | North Aliantic ports | 113,990 | 68,17? |
| Sichleswig llolstein - | 153,364 | 66, 7 \% 8 | Sooth Milantic ports | 12.391 | 8.301 |
| Prussia - | 461, ${ }^{4} 1$ | 192,792 | 1'antic ports | 7,191 | 7,269 |
| Meckienburg | 49,646 | 20, M. 6 | Mexico | 13,721 | 7,539 |
| $\xrightarrow{\text { Hanover }}$ Oldenburg: | 70,134 42,505 | 32,468 | New Granada |  | 17,732 |
| llamburk. | 539,881 | 259,44\% | Chill | 330,686 | 6.5,656 |
| Bramen - | 9,269 | 6,711 | Brasil | \% 15,138 | 149,1660 |
| 1,ubeck | 26, 1 !2 | 12,1069 | Vruguay * - | $11 \mathrm{Nat6}$ | 69,913 |
| Hollam | 237.758 | 113,926 | Arsertine Conrederation | 5!,1995 | 35,19.5 |
| luelgium - | 66,111 | $3 \times 183$ | Chamed 1slands : | 72,58 | 34,755 |
| Fralue ${ }_{\text {dorlugal, Aiores, and Madeira }}$ | 1,925,423 | 901, 81 | ${ }_{\text {Mibratar }}^{\text {Mata }}$ | 76,201 | 41.286 |
| lortugal, Alores, and Madeira | $368,24.3$ 451,156 | $219,7 \mathrm{H7}$ | Irrith Possessions in South | 168,208 | 92,198 |
| lialy: |  |  | dfica - - | 26,449 | 15,543 |
| Sardinian States - | 509,3.33 | 160,438 | Mauritus - | 28,130 | 13,3i5 |
| '1'uscany ${ }^{\text {a }}$ | 90, 303 | 11,123 | Aden | 70,501 | 37,451 |
| Naples and Sicily - | 220,733 | 112812 | Hritinh Indla: |  |  |
| Adriate perts of Ancona ancl the Homagma | 24,92; | 15,62.5 | Hombay and Selnde | 213,598 47,105 | 118,7616 16,029 |
| Venetha | 44,421 | 21,438 | Ilengal and 1'tgu. | 41,075 | 24,653 |
| hastrian 'lerrilories | G1,h12 | 34,714 | Sinkapore and the straits |  |  |
| (ireece ${ }^{\text {a }}$ | 2), 966 | 16.878 | Seltlements - - | 61,617 | 26,548 |
| Josian Islands | 50,997 | 17,265 | Ceylon - | 6, 3,174 | 33,52.3 |
| 'Gorkey l'toper | 419,132 | 118,74 | llony kiong | 63, 200 | 31,889 |
| Erypt - | 278, 14.4 | 147,177 | Australa - | 22,370 | 15,06\% |
|  | 27,581 | 13,792 | Hitish North Amerlca | 187, 511 | 96,230 |
| Java - | 18,082 | 8,9,33 | and Hritish Guiana | 137,287 | 60,018 |
| (thina(exclusiveof llongKonge) | 51,736 | 32,335 | Other countrita | 123.578 | 68,616 |
|  | 2411,958 | 115,581 | Total | 9,6.58,216 | 4,880,019 |

The following is an account of the contract Return of the Quantity of Coals exported from the price of coal supplied to Greenwich Hospital in the undermentioned years :-


This table cets the beneficlal influence of the nbolition of the duty
 United Kingdom in the following Years.

| Year | Coals | Year | Coals | Year | Coals |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1848 | tons | 1811 |  | 1854 | $\begin{gathered} \text { tons } \\ 4,309,255 \end{gathered}$ |
| 1829 | 371,271 | $1 \times+2$ | 3, 094,504 | 18.5 .5 | 4,976, ${ }^{\text {a }}$ |
| (833) | 501,119 | 184.3 | 1, 266,211 | $1 \times 56$ | 5,879,779 |
| 1831 | 510,831 | 1814 | 1,31,171 | 18.57 | 6,737,718 |
| 18,3\% | siks, itti | 1845 | 2, $2,31,242$ | 1858 | 6,529,183 |
| 18.73 | 631,148 | 1816 | 2,531,108 | 1859 | 7,0066,919 |
| 1831 | 615,253 | 1847 | 2,488, 161 | 1860 | 7,321,N32 |
| $1 \times 35$ | $7 \mathrm{7t,066}$ | 18.48 | 2.75 .930 | 1861 | 7,8.56,115 |
| 1836 | 916,868 | 1841 | $2.829,035$ | 1862 186.3 | K, 301,8.32 $8,275,212$ |
| 18,37 | 1,113,610 | 1859 1851 185 | $3,331,080$ $3,168,24$ | 186.3 $1 \times 61$ | $8,275,212$ $8,809,109$ |
| (18.54 | $1,313,743$ $1,149,417$ | ${ }_{1851} 18.51$ | $3,168,545$ $3.611), 191$ | 1561 1565 | 9, 9170,177 |
| is(1) | 1,606,313 | $1 \times 53$ | 3,93.3,0ti'2 | 1265 | 4,850,019 |

In 1867 our exports of conls were $10,052,759$ tons, while conls, cinders, and enlm reached 10, Lel 1,886 tons, valned at $5,100,353 l$.

COASTING TRADE
316
It is probable that coal will are long be included among those articles that are reckoned to play an of war. Now that stal warge, the coal ly which inportant part in naval ertainly entitled to a promisteam ls produced is certions de guerre.
COASTING TRADE. The trate or intercourse carried on by sen between two or more ports or places of the same country.

It has been customary in most countries to exclude foreiguers from all participation in the coasting trade. This nolicy began in England in the reign of Elizabeth (ond it was perfected by the at a more remote rera; and in 16 ál and 1660 . A Aets of Navigation pasations have since been envast number of regence to this matter. And it was actally laid down in the Customs Consolidation Act of $1853(16 \& 17$ Vict. c. $107 \mathrm{ss} .152,191$ ) that $n^{n o}$ goods or passengers should be carried kingidom from one part to another of the unitel kimforion exeept in British vessels. 1854 by the 17 Vict. was repealed in the course or trade is now quite free. c. 5 , so that the coasting Restrictions on Coasting

Policy of the Repeal has, for a considerable time, Trude.- Much doub regard to the poliey of the heen en' ertained in atine trade; and in 1819 it monopoly of the coashould be thrown open. It is was proposed that it seeny grounds on which this not easy, indeed, to andicated. In momopoly could ie satisfactor needless to refer to considering this question it mmercial marine, for countries destitute of a commey could have no without the aid of foreigners thowners of countries coasting trade. And the and which also have that have such a marine, and waing on navigaany considerable facilities for es on their side, that tion, have so many ai. that they should ever be it is difficult to imagine thable decree, by foreignsuperseded, in any considesting trade. But while ers in carrying on the to the privileges of enthe admission of the latter the native shipowners faging in that trade helves of any peculiar circumfrom availing themsited in 1853 and 1854) to stances (such as existed freirht, it at the same charge oppressive rates of wholesome conipetition time subjects them to that whole energies can be by which alone their inrebability consequently is, fully developed. Tion of a free system will be as advantageous in all that respects shipping aird navigation as in most other things. Our naval pre-eminence is the result of our manufacturing and mercantile superiority, and of the greater facilities we enjoy for the construction of ships, and the breeding of sailors; and while the former will most likely be increased, the latter will not certainly be diminished, by the opening of the coasting trade to the ships of other nations.
lorejrn ships engaged in the coasting trade are sulijected in all respects to the rules and regulations (given below) laid on British ships engaged in the same trade. We subjoin an abstract of the Let admitting foreign ships to the coasting trade, the 17 Vict. c. 5 .

Reperal of the recited Enactments.-Sections 152 and 191 of the Customs Consolidation Act, 1853, $16 \& 17$ Viet. c. 107 , shall be repealed from the passing of this Act: Provided, that it shall be lawful for her Majesty to exercise, in respect of forcign shins employed in the coasting trade as aforesaid, and of goods carried as are conferred on ships, such or the like p \& 17 Vict. c. 107 ss. 324 her Majesty by the 10 foreign ships employed 325 , \& 326 , in respect of of roods exported or in the oversea trade, and (Sec. 1.)
imported in such ships. (Sen
ign Ships in Coasting Traule suhject to same British Ships.-- Livery foreign ship whell passing of this Act is employed in the passing of thurers coastwise from one ing goods or passiugern to another, or from of the United Kiugdom to anotherey, Surk, slands of Guen Kiurdon, or from the Man to the United Kinghom, is islands, or位ed Kingdom to any to any other of them, any of the safany one of the said islands to rom any part of any one, shall be suliject, us to other part of the same crew, and in all wother解 for the use of the rew, and regulations pecta, to the same shan when enployed are now whect. (Sce. 2. )
oreign Ships in Coasting Trade mot sulyent to her Rates than British Ships.-No lureign ship ch after the passing of this Act is enployed in coastiug trade as aforesaid, nor any goods ried in any such ship, shall, during the thme ship is so employed, be subject to any hijher er rate of dock, pier, harbonr, light, pilotuge, are, or other dues, duties, tolls, rates, or other , whatsocver, or to any other rules as to harges whment of pilots, or any other rules or the employment of pier, than liritish ships entestrictions whatsoever, than or carried in such poyed in like manner, onecial privilege, or grant hips, any lav, charter, special privilege, or grant to the contrary notwithstaming or claming any body corporate or person hayh higher or other rates, right or titie to any such charges as aforesnid be lues, duties, tolls, or other tion in respect thereof entitled to any compensalating thereto, or otherunder any law or statute (Sec. 3.)
wise howsuever. (Sce, S.) carrying Passengers
Foreign Steam to essels 1.5 Fict. c. 79.-And Coastwise subject to 1 expent to provide for the safety whereas it is expellient o it enactel, that every of passenger steamel carrying passengers from one foreign steam vessel carry evasts of the United place to another on the en Islands shall be Kingrom and the Chanche Steam Navigation subject to the provisions or. 79). (Sec. 4.)
Act, 1851 ( 14 \& 15 Vich. ${ }^{2}$. Cousting T'rule is
Regulutions under which buve been very mueh conducted.-'These, When in the Customs Consolisimplitied, are embolied in the C. 107, and are as dation Act, the
follows, viz:-

All Trade by Sea from one part of the United Kingdom to another to be deemed Coastuise.-All rade by sea from any one part of the United Kingdom to any other part thered shall be deemed to be a coasting trate, and all ships while employed therein shall be deemed to be coasting ships, and no part of the United Kingdom, however situated with regard to any other part, shall be deemed in law, with reference to each other, to be parts beyond the seas; and if any doubt shall at any time arise as to what or to or from what parts of the coast of the United Kingdom shall be deemed a passage by sea, the Commissioners of the Treasury may determine and direct in what eases the trade by water from one port or place in the United Kingdom to another of the same shall or shall not be deened a trade by sea within the meaning of this or any Act relating to the Customs. (Sec. 151.)

Coasting Ship confined to Cousting Voyage.-No goods shall be carriel in any coasting slipl, exeept such as shall be laden to be so carried at some port or place in the United Kingdom, and no goods shall be laden on board any slip to bo carried coastwise until all gools brought in such ship from parts beyond the seas shal have been unladen; and if any goods shall be tak or over the
put out of any cuasting ship at sea
sea, or if any place over the nuless forced b the master of touched at an declare the san collector or co Kingdom whe arrive, the ma sum of 100 .

Times and $P$ any grools be coastwise, or shipped to bo holulays, or authority of $t$ or unless at appointed or pose, the sam of the ship sh 154.)

Master of $C$ -The master cause to be ke of the ship, th belongs, and each voyage, enter in such aecount of al shin, stating the quantitic thercin, and any goods st? respective shi particulars ar port of discha days on which out of such sl parture from at every port on demand, p of any officer to make any examination book as conts not to contai contents, sho shall bo fou entered in suc and if such

Account of th Cleared, Vessels and steam) in the Unit which 18,348

Trunsire Arrival,-W coasting shi aay goods be of the place discharged the collector on the date on board s
sea, or if any consting ship shnll touch at any place over the sea, or deviate from her voyage, miless forced by unavoidable circumstances, or if the master of any consting shin which shall have touched at any place over the sea shall not declare the same in writing under his hand to the collector or comptroller at the port in the United Kingdom whero such ship shall nfterwards first nrive, the master of such ship shall forfeit the sum of 100l, (Ser, 153.)
T'ines and Places for Landing and Shipping.-If any goods bo unshipped from any ship arriving constwise, or be shipped or water-borno to be shipped to he enrricd coastwisc, on Sundays or holidnys, or unless in the presence or with the nuthority of the proper officer of the Customs, or unless at such times and places as shall be nppointed or approved by him for that purpose, the same shall be forfected, and the master of the ship shall forfeit the sum of 501 . (Sec, 154.)

Master of Coasting Vessel to keep a Cargo Book. -'The master of cvery consting ship shali keep or cause to he kept a cargo book, stating the names uf the ship, the master, and the port to which she belongs, and of the port to which she is bound on each voynge, and shall at every port of lading enter in such book the name of such port, and an nccount of all goods there taken on board such ship, stating the descriptions of the packages and the quantities and descriptions of the goods thercin, and the quantitles and descriptions of any goods stowed loose, and the names of the respective shippers and consignees, so far as such particulars are known to him, and shall at every port of discharge of such goods note the respective days on which the same or any of them are delivered out of such ship, and the respective times of departure from every port of lading and of arrival at every port of discharge ; and such master shall, on demand, produce such book for the inspection of any officer of Customs, who shall be at liberty to make any note or remark thereia; and if upon examination any package entered in the cargo book as containing foreign goods shall be found not to contain such goods, such package, with its contents, shall be forfeited, or if any package shall be found to contain foreign goods not entered in such book, such goods shall be forfeited; and if such master shall fail correctly to keep
such cargo book, or to produce the same, or if at any time there be found on board such ship any goorls not entered in such book as laden, or any goons notell as delivered, or if any goods entered as laden or any goods not nuted ns delivered be not on board, the master of such ship shall forfeit the sum of 201. (Sec, 155.)
Aceount previous to Departure to be delivered to Collectur,-liefore nuy coasting ship shanll depart from the port of lading, an necount. with a duplicato thereof, in the form or to the effect following, and signed by the master, shall be delivered to the collector or comptroller; and the collector or comptroller shall retain the duplicate, and return the original account, datel and signed by him; nut such aceount shall be the elearance of the ship for the voyage, and the T:Lansime or Pass for the goods expressed therein; and if any such accomit be false, the master shall forfeit the sum of 201.


Provided always that the Commissioners of Customs may, whenever it appears to them expedient, permit general trausires to be given, under such regulations as they may direct, for the lading and clearmese and for the entry and unlading of any coasting ship and goods, and the same may le revoked by notice in writing uniter tho hand of the proper officer delivered to the master or owner of any ship, or any of the crew on board. (Sec. 156.)

Account of the Number and Tomnage of British and Foreign Vessels (Sailing and Steam) Entered and Cleared, Coastuise, in 1866, with Cargoes only, at Ports in the United Kingdom, distinguishing the Vessels Employed between Great Britain and Ireland.

|  | Entered |  |  |  |  |  | Cleared <br> British and Foreign |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Hrilish |  | Foreign |  | 'Total |  |  |  |
|  | Vessels | Tons | Vessels | Tons | Vessels | Tons | Vessels | Tons |
| Employed between Great Britain and Ireland 0 her coasting vessels | $\begin{array}{r} 35,093 \\ 117,433 \end{array}$ | $\begin{array}{r} 6,964,311 \\ 11,52 \times 1,38 \\ \hline \end{array}$ | $\begin{array}{r}98 \\ 322 \\ \hline\end{array}$ | $\begin{array}{r} 12,706 \\ 91,765 \end{array}$ | $\begin{array}{r} 36,191 \\ 107,9: 5 \\ \hline \end{array}$ | $\begin{array}{r} 6,975,417 \\ 11,6 \times 2,903 \end{array}$ | 34,002 11,343 | $6,899,778$ $11,67 \%, 3$ |
| Total | 142,526 | 18, $791,5+9$ | 620 | 107,571 | 14,146 | 1*,598,120 | 146,415 | 18,577,691 |

In 1867 the total tonnage of vessels (sailing and steam) entered with cargocs coastwise at porte in the United Kingrom was $18,445,981$ tous, of which $18,348,998$ were British, and 96,983 foreign.
Transire to be delivered in 24 Hours after Arrival,-Within 24 hours after the arrival of any coasting ship at the port of discharge, and before any goods be unladen, the transire, with the name of the place or wharf where the ladiag is to be discharged noted thereon, shall be delivered to the collector or comptroller, who shall note thereon the date of delivery; and if any of the goods on board such ship be subject to any duty of
excise, the same shall not be unladen without the authority or permission of the proper officer of excise; and if any goods on board any coasting ship arriving in Great Britain or Ireland from the Isle of Man shall be the growth or produce of that isle, or manufactures of that isle from materials the growth or produce thereof, or from materials not subject to duty in Great Britain or Ircland, or from materials upon which the duty shall have been paid and not drawn bach in Great Britain or Ireland, the same shall not be unladen until a certificate be produced to the collector or comptroller, from the collector or comptroller at

## COCIIINEAT,

the port of shlpment, that proof hall there been made in manner required by la in that such goods were of such growth, troduce, or manutacture, as the care may be; ant if nuy goods shabll the unluden contrary hereto, the mister shall forfeit the kus of 20l.: aud if any goods shall be laden on buarl nay ship in any port or place in the United Kingdom, nud carricit constwise, or, having been brought coast wise, shall be unlarlen inanysuch port or phace contrary to this or my other Act relating to the Cistoms, such goods shall be forfeited. ( ${ }^{\text {sec. } 105 \% .) ~}$

Officer muty go on board and extinine any Consting Ship.-Any ollieer of the Clatoms may go on bonrd any consting whip in any port or place in the línited Kingiom, or at any period of her voyare search such ship, and examine all goods th bonde, and all goods then lading or muladme, and demand alt documents whieh omght to be on board such ship; and the collector or comptrollor may require that all or any such olocuments whall be brougr'st to him for inspection, and the master of any ship refusing to produce such dowuments on demand, or to bring the same to the collector or comptroller when repuired, shall forfeit and pay the sum of 200 . (Sec. 158.)

COBAL'I' ( (ier. kobalt; Dinteh, kobal; Swed. cobolt; l'r. cobalt ; Ital, cobalto; linss. kobolt; Lat. cobaltum). A mineral of a grev colour, with a shate of red, mud by no means brilliant. It has sorarcely may traste or smell ; is rather soft ; specitic gravity about $8 . \%$. Sometimes it is composed of plates, sometimes of grains, and sometimes of small tibres adhering to enelh other. The oxide of cobalt is extensively used as a means of lycing
 The prineipal ores of cobalt are the arsenates, called arsenical robult nad grey robult. They are fond in Sweden, Saxony, Saalfeld, Ilessia, and in England in Cumberland and Cornwall. A very small momont of oxide is suificient to tinge a large qumatity of glass. [Sman.t.] In 18 (ib) 3 cwts . of cohnlt, 429 tons of ore, and 14 tons of oxide, of the nequerate value of $24,1081$. , were imported into the Enited Kincrlom.
Cf(CA. A stimulating lrug masticated by the Intians of the Pernvian, and Bolivian Andes.

COCCULUS INDICUS or INDIAN MRIRIR (Fr. coque de Levant ; Gier. kekkels lörner, tisch körner; Ital. galla di Levante; Sans, kakamari : Mnlay, tubnbidgi). The fruit or berry of the Menisperumu Cocewlas, Nat. Order Menispermacca, a strong elimbing tree or slirub found on the Malabar coast, in Ceylon \&e.

The berry is kidney-shnped, dark brown, about the size of a large pea; but when dried aml imported it is shrivelled and smaller. The outer layer encloses a woody whell, coataining a yellowish kernel. Cocculus Indicus is acrid and intensely bitter. In some parts of the Enst it is nsed, when firmed into a paste with moistened rice, as a buit by tishermen and bird-catchers, but enpecinlly the former. Being thrown into the sen, or scattered Gin the ground, it is greedily devoured by the tish and birds, which it either kills or stupeties, so that they are casily eaptured. It is said not to render the tlesh of such animals poisonous, as strychnine does. Its effects on 10 an have not been accurately determined; but if taken in large doses it wonld, no doubt, be fatal. When added to malt liquors it increases their intoxicating power; and provided it be not admiaistered in excess, or does not exceed 3 lbs. cocculus to 10 qrs , malt, its use in this way is not supposed to have any injurious influence. (Pereira's Materia Medica, Brd ed. p. 2153 ; Thomson's Materia Medica; Ainslic's Materia Medica, p. 131 ; de.)

32,751 and 21,238 ewts. ; the imports being valued nt 694,8188 . The consumption mny, periaps, he estimated at abont 12,000 ewts. or $1,42,000$ lbs.

The price of cochineal fluctuated very much during the war, partly on account of the ohstacles which it oceasionally threw in the way of importation, and partly on acconnt of its being an article "f' ilirect (ioveriment expenditure. In $181 \mid$ the price of the best cochineal was as high at Biss. and :3bs: ; and it has since gone on regularly deelining, with hardly a single rully, till, in 1850 , it settled down to from As. to tix. lif. per lb. I'revionsly to the war terminated in $181 \%$, it had never been under $12 x$ or $1: 3 s$. lane dye lins been employed to some extont indyeing semrlet ; but notwithstanding this cirenmatance, the consumption of eochineal, oceasioned, no doubt, partly by its cheapness, and partly, perhaps, by some change of fashiom, thas beet materially incrensed since 1835. This, however, bas not hal any material intlucnee on its price, and it would appear, from the long confinnance of low prices not only without any diminution, but with a large increase of imports, that they are quite sufficient to remunerate the growers of the article. (Teoke de. On Migh and Loon Prices.) In Oetober, 186t, the price of eochineal in the Inndon market varied from 3 s . Ad. to 4s. 10if. per lh.
(OCOA, or, more properly, CACAO (lir, nud Span, eacao; Ger. kakao). The seed or muts of the cocon tree (Theohroma cacao), Nat. Oriter Mulvacere, Jussien; Stereuliacea, Lindley; growing in the West Indies and in many parts of south Amerien. It is said, by Mr. Mryan Eelwards, to bear some resemblance, both in size and shaje, to a young bluckheart cherry.
The introduction of this article into Europe was due to Columbus, aud for a long time the cultivation was carried on by the hamiards in Sonth Areerica and the West Indies. Beforo the Buropean occupation of the New World, it was used fimiliarly by the Mexicans. Cerea nitracted the attention of the English in Janaica before the dose of the 17 th century.

The tree, if anchecked, reaches the height of about 30 feet, and will grow hetween the bijth parallels, but tlourishes best within the loth parallels, and at a height of not less than 500 fect above the level of the nea. The flowers are very small, and in elosters; the calyx is composed of 5 sepals; petals 5 ; stamens 5 , with double authers. The fruit is tive-celled, without halves, about 7 to 9 inches in length, and 3 to 4 in breadth, of an elliptic wall pointed shape, something like the vegetnble marrow, only more elongated and pointed at the end; tough and quite smooth; the colour varving, aceording to the season, from bright pellow to red nul purple. The rime of the fruit is very thick, but quite tasteless. The seeds contained ith each pod number from 20 to 40 , embedded in a soft, pinkish white acid pulp , (Maugin's excellent and vuluable work, Le Cacuo th le Chocolut, I'aris, 18t;0.)
The shell of the nut is of a tark brown colour, brittle, and thin; the kernel is, both internally and externally, brownish, livided into several minequal portions ndhering together, hut separating without much dilliculty; it has a light, agrecable smell, and an unctuons, bitterish, rather rough and peculiar, but not ungratefnl taste. The nuts should be chosen full, plump, and shining, without any mustiness, and not worm-eaten. They yield, by expression, a grent deal of oil; but they are cultivated only that they may be employed in the preparation of the excellent beverage encoa, and the manufacture of chocolate, of which they form the principal ingredient. The tinest cocos is said
to the that of Xoconocho or Sonocuseo. The prineipal importntions were formerly derivel from the Caracas and Guayaquil, particularly the former. and now chicfly from the West India Ishands, Now Granula, Eeuador, mul lirazil.

Fon Ilumboldt estimated the consumption of cosoa in lintoje, in 180h, at $2: 1,010,0,1010$ Its., of which from 6,0t0,0000 to ! ! (000,000 were supprowl to be consumed in Spain. Theprodection of cocon was langnishing in the Caracas for several years previously to the commencement of tho disturhances in Sonth Ameriea; and latterly the chlivation of coffee seems to have been in most parts gainins the ascendancy. (Itumbolt, I'ers. Ninr. rative, vol, is. 浉. 24h-247, Eug. trams.)

Dutics. Consumption in E:stlunt.-I Down to a late period the consumption of cocoa in Eughand was conflaed within very marrow limits; a rewult which we are inclined to aseribe to the oppreswiveness of the duties with which it has heen loaded. and not to its being unsuitable to the public taste.

It is now many years since Mr, Bryan bilwarils declared that the ruin of the coeon phatations, with which Jamaica onec abonnded, was the eflo't of 'the heary hand of ministerial erartion' (Ilistory of Wrest inties, i. 363, ed. 1819); and, matecountable as it may seem, this pressure was not materially abated till 18:32, when the duties 1 In cocon from a liritish possension were relued from Gid. to $2 r l$. per lb. And such was the intinence ot this julicions measure, that the consumption of cocoa, which, at an average of the 3 years entin! with 1831, amounted to 140,578 lbs. a-year, hat increased, at an average of the 3 years ending with 18:2, to $2,072,33.2$ lhos.! The duty on forcign cocoa continued from 1830 down to 1842 to be (generally bid. per llb.) three times as great as that on coffee trom a Ibrilish possession ; and in conseguence of this diserepaney, none of it was entered for home consumption under the cluty, though it is worthy of remark that cocoa for the navy, paring no duty, was almost always taken from n forioin stock. In 18.ta the daty on cocoa froms a liritish possession was farther reduced $1 \frac{1}{10} t$. per lb.; and it might have been expected that the ratio of protection in favour of plantation cocon would the. 1 , also, have been diminisidel; but it was mot till 1816 that the daty on lireign cocon was reduced to $2 \frac{1}{10} d$, per lb .
In 180.3 the duties were finally equalised, and fixed at $1 d$. per lb., and on paste or ebocolate at 2d. per do. The dinties on husks and shells were then, also, lixed at $\frac{1}{2} d$. per lb., but were reduced to 2 s . per ewt. in $18.5 \%$.

In $1866,4,053,183 \mathrm{lbs}$ and in $1867,4,23 ., 917 \mathrm{lbs}$. of cocon were retained for loome consumption.
In 1866 the imports of cocon from the Britishs West Indies amounted to $5,366,8: 33 \mathrm{lbs}$, of which $\mathbf{3 , 6 1 9 , 0 8 1}$ lbs, were supplied by T'rinidad, aul $1,511,904$ Jbs, by Grenada. In the same year we imported $1,263,252$ lbs. from Ecuador, and $1,870,37$.t Ibs, from New Granada: the total imports being $10,308,298$ los., valued at 346,5791 . In 1867 theywere $11,954,862 \mathrm{lbs}$., valued nt $34 \mathrm{l}, 8691$.
No atantement is made from the duty on cocoa on account of dimage. ( 16 \& 17 Vict. c. $107 \mathrm{s.i}(6$.


## COCOA NUTS

Cocoa husks and shells are brought not only rom the West Indies, but from other places, being the refuse of
was worth in bond in the British plantation cocoa was $6 \frac{1}{2} d$. to $8 \frac{1}{2} d$. per 1 b . London market, in 1866, from weighs 1 cwt., and a 1 bag of cocos
cask about
COCO, COKLA, or, Dutch, kokosnooten ; Fir. NUTS (Ger.kokonusse , Dochi; Russ. kokos; Sans. and Span. cocos; Ital. cocchi; Russ. narikela). The fr
nucifera, Linn.
nucifera, Linn.).
This tree is come is exiremely valuable; being to the tropics, and inhebitants of many parts of Ccythe palmivorand other intertropical regions, not lon, brazil, and oipal wealth, but almost their entire dependence. Every part of the tree is approtirc ded to some peculiar purpoze; and an Indian priated to some potaining 12 cocoa-nut trees and 2 with a garden conta be comparatively independent! jack trees is said to But we may observe advantage, but the reverse, subsistence is a want of eiviissation being its indolence and a waiment. The tree grows to the invariable from 50 to 90 feet; it has no branches, but the leaves are from 12 to 14 feet in length, with a very strong midule rib. The fruit is nearly as large as a man's head; the external rind is thin, tough, and of a brownish red colour. Beneath this there is a quantity of very tough fibrous matter, which is use 1 in the manufacture of cordage and coarse sail-cluth. It is buoyant, and extremely well suited for ropee of large diames most of the the introduction of the Indian seas were supships which navigated this materinl. [Cons.] plica with cables of this matcrin. Which is nearly globular, very hard, susceptible of a high polish, and used for many domestic purposes; the kernel is white, in taste and firmness rescmbling that of a hazel nut; it is a milky thuid. interior, the hollow being the whole hollow of the While the nut is greell, the whe refreshing, agrecshell is flled with nuid, the taste. The solid part of able, and pleasant to tremely nutritious, but rather the ripe kernel is extrenels yield by expression a indigestible of oil, which, when recent, is equal to great deal of almonds; but it soon becomes ranthat of sweet and is employed by painters. A tree cil, and generally yiclds noout each. The wool of the the top of about a dozents rafters, the frames of tree is made into boats, rey water. The leaves houses, and g.tters to coildings, and are wrought are used for thstets, and many other things for into mats, baskets, anloyed in Europe; so that which osiers are employed some uscful end. every part of it is appled to bored, there exules If the hody of the thite liquor, called palm wine from the wound a wect when fresh; kept a few or toddy. becomes more poignant and agreeable; hours it becemes but next day it begins onged into vinegar. When space of it produces the best species of Indian ardistilled, it propids a great deal of sugar. Toddy rack; it also yiclds i g epeies of palms, but that is obtained from seversi spe best. (Marshall On the of the Cocos nucifera is the best. (Marslia's Materia Indica; Rees's Coco-Nut Tree;
Cycloquedia; \& c .)
Cyclopvedia; dic.)
An improvement effected in the preparation of
An oil has made i : of much importance in the arts, by rendenng it available in the manufacture of candles and soap, and for various purple.
which it was not previously applicable.
ships were emp indulgence mig with a princes Zoology.)

Cod is prepa it is either gu which state it or it is dried a dried cod. Re pensable to tl of fishery.

Cod Fishery under the term of haddock, lin siderable valu two grand deps termed the hon The first is cat contiguous to $t$ the most prody fisheries are Shetland and Essex, Suffolk the principal $p$ was taken roul rather in the bank; and tl But for a nur has been in gI

## Account of the

 1830 to 18 Fishery B|  | Periods |
| :---: | :---: |
| Yoar ended <br> April 5, 1830 |  |
|  |  |
| " | - ${ }_{11835}$ |
|  | - 1837 |
| " | - 1838 |
| " | -1839 |
| " | , 1840 |
| " | , 1914 |
|  | , 1843 |
|  | - 1884 |
|  | , 1818 |
|  | , 1848 |
| " | - 1849 |
| " | - 1850 |
|  | , 18:52 |
| Dec. '31, 18.52 |  |
| " | , 1853 |
| " | , 1854 |
| " | ; 1856 |
|  | , 1857 |
| ", | - 1858 |
| " | , 1860 |
| " | , 1861 |
| 3 | - 1862 |
|  | -1863 |
| $\begin{array}{r}1865 \\ 11866 \\ \hline\end{array}$ |  |
|  |  |

$\dagger$ The branding
N.B.-The exhibit the to cured till the The bounty abstract to $\mathrm{A}_{1}$ for fish cured for fish cured vessels or bo while the bel ling, or bake nage and car thence to Jul and 35s. to A
ships were employed in the Iceland fishery; whieh between Yarmouth and the Nore; and in conseindilgence might arise from the marriage of James with a princess of Denmark.' (Pennant's British Zoology.)

Cod ia prepared in two different ways: that is, it is either gutted, salted, and then barrelled-in which state it is denominated green or pickled cod; or it is dried and cured-in which state it is called dried coll. Ready access to the shore is indispensable to the prosecution of the latter species of fishery.

Cod Fishery, British.-This fishery, including under the term not only that of common cod, but of haddock, ling, hake, torsk \&c., is of very considerable value and importance. It consists of two grand departments, which may be respectively termed the home, and the distant or colonial fishery. The first is carried on in a great varicty of places contiguous to the shorea of the British islands; but the most productive and valuable of the aljacent fisheries are those in the neighbourhood of the Shetland and Orkney iglands, and off the shores of Essex, Suffolk, Norfolk, Lincol. \&c. Formerly the principal part of the cod brought to Londou was taken round the edges of the Dogger-bank, or rather in the hollowa between it and the Wellbank; and the finest is still brought thence. But for a number of yeara the London market has been in great part supplied with cod taken
quence of its being procured so much nearer home, the average price of cod has fallen from 30 to 50 per cent. below what it was from 1815 to 1820. (Report on the Channel Fisheries, p. 85.) This change has occasioned a great inerease in the number of tishing amacks belonging to Barking, Gravesend, und other porte on the Thames; while those belonging to Harwich and the more distant ports have been materially reduced. The cod taken by the fishermen of Shetland and the Western Isles is mostly cured dried, but it is partially also curell green ric in pickle; and it is sometimes, though much seldomer now than formerly, conveyed alive ine welled vessels to London. The haddocks taken on the Aberdeenshire coast, and cured at the village of J innnn, wear Aberdeen, are held in the highest estiraation. The haddocks taken in Dublin Bny are the largest of any taken on the British coasts.
There are no means by which to form any estimate either of the number of fishing vessels, or of the quantity or value of the fsh annually taken in the home cod fishery; by fur the larger portion being landed without account or notice of any kind, and disposed of fresh. The following account contains such particulars only as have been brought nnder the notice of the Commissioners for the Improvement of the British Fisheries:-

Account of the Total Quantity of Cod, Ling, or Hake, cured. punched, or branded, and exported, from 1830 to 1866, in so far as the same has been brought under the Cognisance of the Officers of the Fishery Board.

$\dagger$ The branding and punching of cod and ting was discontlinued on January 5, 1850, as well an the coltection of relurns for England.
N.B.-The books of tho Fishery Board do not |ceased altogether, and have not since been re-exhibit the total quantity of cod, ling, or hake newed. cured till the year commencing April 5, 1825. Cod Fishery, Iceland.-The large cod remain The bounty from the commencement of this near the island during the winter, the chief station abstract to April 5, 1830, was near 4s, per cwt. for fish cured and driel, and $28.6 d$. per barrel for fish cured in pickle, taken by the crews of vessels or boats net on the tonnage hounty; while the bounty for vessels licensed for cod, ling, or hake fishery was 50 s. per ton for tonnage and cargo to July 5, 1826; 45s. from thence to July 5, 1827; 408, to July 5, 1828; and 35s, to April 5, 1830; when the beunties being Faxebay. The earliest and best fishinga commence in February or March, and extend to May or June. Tho Icelanders capture the figh either by small driftnets, deep sea or hand lines, or tho ordinary long lines. The line fishing is carried on in from 18 to 20 fathoma water; but it would be possible to fish successfully in deeper water, were the islanders wealthier and more adventurous.

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The export of cod from Iceland in 1862 and 1865 between 10,000 and 15,000 tons anmualy. The was as follows:-


The export of an average year is-clipfish
 dant year, $5,280,000$ 16s decked boats. 1,190 open stockfish. In 1864,62 decked from 8 to 12 oars, and bunts with 4 to 8 oars, 230 of from 2, c 11 smal

The French had in 1864,260 vessels off the const
The French had in average burden of 90 tons. of Iccland, with take about 30,000 cod per ship. They are said to take abon Report 1866.)
(Consul-seneral Noruay.-These fisheries are
Cod Fishery, , Norwegian coast from the carried on alongranger Fjord, near the Russian Naze to the Varange the Loffodens. The fishery frontier, chiefly near the Lonodens in one part, of is a bank of from 20 and of 90 to 120 fathoms in a 40 to 50 in anctre, a tishing commences in Dethird terrace. The ishing are January and cember, and the best mopersons engaged in the February. The number or perding to a returin made fishery in 1866 was, acew -756 , in 5,723 boats, in accordance with the law, In 1866 about $21,000,000$ tish were to supply a Loffodens. It take The yield of oil in 1866 was barrel of liver oin, ; of roe, 18,000 barrels. about 26,000 barrels; of roe, 18,000 barrels.
The following gives the returus of fishings from
The following
860 to 1866 :-

| Year | L.offoden | Finınark | Romslal | Total catch |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 3,560,000 | 28,500,000 |
| 1861 1862 | 2n,040,000 | 8,0000000 | 6,000,000 $4,0000,1001$ |  |
| $\underset{1863}{1862}$ | 17,500,000 | 3,409, 1000 | L, 500,0000 | 24,001,010 |
| 1864 | 10,000,000 | 9,500,000 | 9,500,000 |  |
| 1865 1865 | 19, ${ }_{21} 12000000000$ | 15,000,000 | 3,900,001 | 39,406,006 |




The Norwegian 'pot;' or quart, is equal to 0.2124 galion. The barrel is equal to 3.1862 bushels, or 0.3983 qrs.

The export of cod salted in bulk and bartered to the Russian traders of the White Sea cannot be accurately aseertaine
the seenad voyage is in a greer. or piekled state, |eatchers on their own a seount, but chiefly in the and dried afterwards at Newfonndland. Eight or nine schooners from Quebec frequent the coast, laving on board about 80 senmen and 100 fishermen, Some of the tish caught by them is sent to Europe, and the rest to Quebee; besides which, they carry annually about $6,000 l$. worth of furs, oil, and salmon to Canada.
' From Nova Scotia and New Brunswiek, but chictly from the former, 100 to 120 vessels resort to Labrador. The burden of these vessels may anount to 6,000 or 7,000 tons, carrying about $1, \geqslant 00$ seamen and fishermen. They generally carry the principal part of their cargoes home in a green state.
'One-third of tie resident inhabitants are English, Irish, or Jersey servaats, left in charge of the property in the fishing rooms, and who also employ themselves, in the spring and fall, catching seals in mets. The other two-thirds live constantly at Labrador, as furriers and sealformer capacity, during winter, and atl are engaged in the tisheries during summer. Half of these people are Jerseymen and Canadians, most of whom have families.
'From 16,000 to 18,000 seals are taken at Lahrador in the beginuing of winter and in spring. They are very large; and the Canadians, and other winter residents, are said to feast and fatten on their thesh. About 4,000 of these setas are killal by the Esquimaux. The whole number eaught produce about 3.50 tuns of oil, value about 8,00ul.' ( $\mathbf{v}$ … i. p. 185.)
The total produce of the Labrador fishery in 1832 was estimated by 11 'Gregor at 302,6501 . and he farther estimated the total produce of the British fisheries in the various seas and rivers of America, iacluding seal oil and skins, at an average of the tive years ending with 1832, at 857,2101. a-year. (Vol. ii. p. 596.) But it is now considerably greater. We subjoin

An Account of the Quantities and Values of the Exports of the Produce of the Newfonndland Fishery (including that carried on at Labrudor by Boats from Neufoundland) in 1863-5.

| Articles |  |  | Quantities |  |  | Values |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1863 | 1864 | 1863 | 186.3 | 1861 | 1865 |
| Cod tivh | - | - quintals | 811,777 | 849,339 | \$01.539 | $\stackrel{\text { ¢ }}{\mathbf{8} 1,275}$ | $\underset{\text { 79, }}{\boldsymbol{E}, 160}$ | $\stackrel{\substack{\text { ¢ } \\ \text { 716,3.52 }}}{ }$ |
| Oll coul | - | - luns | \%,696 | 4,27.5 | 2,747 | 129,438 | 113,757 | 136,355 |
| retined | - | - $\quad$ | 921 | 174 | 419 | 23, 3 , 181 | 26,980 | 27,914 |
| Skins, seal - | - | - nümber | 257,115 | 12,6,950 | 3,268 242,771 | 186,568 45,073 | 76,947 18,593 | 136,598 37,486 |
| Total | - | - value | - | - | $\cdots$ | 1,143.3.4 | -1,0,30.737 | 1,065, 115 |

About eight-tenths of the dried fish exported from Newfoundland by British subjects are sent to Spaia, Portugal, Italy, and other Continental nations; the rest gaes to the West Indies and to Great Britain.
The Aet 5 Geo. IV. c. 51 contains several regubations with respect to the Newfoundland fisheries, Aliens are prohibited from fishing on the coasts, or in the bays or rivers of Newfoundland, excepting, however, the rights and privileges granted by treaty to foreign states at amity with his Majesty.

All Sritish subjects may take, cure, and dry fish, oceupy vacant places, cut down trees for building, aul to other things useful for the trade. (Sec. 5.)
('ertiticates should be granted to vessels clearing out for the fishery; and on arrival at Newfonndland a report should be made of such certifieate, and registered; and on leaving the fishery the usual elearnnce shall be obtained. Vessels having un board any goods otiler than fish \&c. to forfeit the fishing eertificate. (Sec. 4.)

Persons throwing out ballast \&c. to the prejudice of the harbours in Newfoundiand shall be subject to a penalty. (Sec. 5.)
A contract in writing, specifying wages, and how to be paid, must $b_{d}$ entered into with seamen and fishemen. (Sec. 7.)

A fisherman is prohibited receiving more than three-fourths of his wages during service; but the balance due to him is to be paid immediately upon the expiration of the covenanted time of serviec. So fisherman to be turned off, except for wilful neglect of duty or other sufficient cause, under a peualty, for each offence, of not less than $5 l$.; nor more than $50 l$.

In order to fulfil the eonditions in any treaty with a foreign state, his Majesty may empower the governor of Newfoundland to remove any works erected by British subjects for the purpose of earrying on the fishery between Cape St. John and Cape Ray, and to compel them to depart to amother place, (Sec, 12.)

Every person so refusing to depart shall forfeit 50l. (Sec. 13.)
The grovernor is empowered to sell or lease places within the island called Ship-rooms. (Sec. 14.)

For the regulations sc. as to the importation of fish into Great Eritain, see Fisif.

It is doubtful whether the distant cod fishery may not have passed its zenith. Spain, Italy, and other Catholie countries have nlways been the great markets for cried fish; but the observance of Ient is every day becoming less strict; and the demand for dried fish will, it is most likely, sustain a corresponding decline. The relaxed observance of Lent in the Netherlands and elsewhere has done more thrn anything else to injure the herring fishery of Holland.
Cod Fishery, American.-The Americans have at all times prosecuted the cod fishery with great viguur and success. Their fishermen are remarkable for their activity and enterprise, sobriety and frugality; and their proximity to the fishing grounds, and the other facilities they possess for earrying on the fishery, give them advantages with which it would be very difficult to contend, even if they were not assisted by Governmeat, which, however, is the case. In 1795 the Ameneans employed in the eod fishery about 31,000 tons of shipping; in 1807 they are said to have employed 70,306 tons; but it subsequently declined for several years, and was aimost entirel; suspended during the war ended 1315.
In the year ending June 30, 1858, the Americans had 110,896 tons shipping engaged in the cod fishery. During the same year they exported 161,269 quintals of dried, and 30,470 barrels and $3,375 \mathrm{kegs}$ of pickled cod ; their aggregate value being 684,448 dols. In 1864 they exported 192,505 ewt, of smoked and dried, and 73,756 ewt. of pickled fish, valued together at $1,476,486$ dols. By far the larger portion of the dried and smoked fish went to IIayti, St. Domingo, and the Spanish IVest Indies. 324

The Americans follow two or more is accomfitting ont for the fisheries. Their sons, building plished by 6 or 7 farmere, which they man thema schooner dill the Americans on the sea coast are selves (as all the Amer well as farmers); and after more or less seamen with necessary stores, they profitting the vessel with Gulf of St. Lawrence, or ceed to the banks, Gul of vessel with fish, Labrador; and, loaden spring and harvest. The mroceeds they divide, after paying any balinee they may owe for outfit. They remain at home to assist in gathering their crops, and proceed again for another cargo, which is salted down, and not afterwards dried: $\therefore$ is is termed muttish, and kept for home consumptien. The other plan is, when a merchant, or any other, ownes, He vessel, lets her to 10 or 15 men on shares, for sll tinds the vessel and nets. The men pay for all the provisions, hooks and lines, and of the fish. necessary to cure their proportied master; but One of the number is ack well as the others, and he has $t 0$ catroh fish as wer month for navigating receives enly about 20s, per mo-eighths of the fish the vessel ; the crew have fove-eghths of the whole. canght, and the owners thage is made to the banks;

- The first spring vor banks, Gulf of St. Lawthe second either the Labrador; the third, or fall rence, or the coast of the banks; and a fourth, or veyage, is again tall voyage, is also made, sometimes, to second fall voyage, (I'Gregor, vol. i. p. 220.)
the bank.'
An Accornt of the Tomagc of the Vessels engaged
in the Cod Fishery of the United States, and of in the Cod Fishery of the United States, and of
the Allowonce. \& $c$. paid to them from 1848 to the Allowonce.


It is stipulated in the first article of the convention between Great Britain and the 18 , that States, sifned at Iondonnited States shall have the suljects of the $t$ of fish'on that part of the liberty to take all coast of Newfonndand western and northern Rameni Islands, on the western Cnpe Ray to the ceasts of Newrom on the Magdalen Islands, and Quirpon Islands, on bays, harbours, and creeks nlso (in the coasts, bays, from Mennt Joy dor, to and throng indefinitely along the coast, thence northwardly however, to any of the exclusive without pre lhe Iudson's Bay Company; and that rights of the fudson's shall also have liberty, the American ins and cure fish in any of the unfoi ever, to dry and cure crecks of the southern settled bays, harbours, Newfoundiand here above parts of the coas the coast of Labrador ; but so described, and of the any portion thercof, shall he soon as the same, or any lawful for the said tishersettled, it shal not be fish without previous agree-
ment for such purpose with the inhabitants, preprietors, or possessors of the ground. And the United States hereby renounce for ever any liberty heretofore enjoyed or claimed by the inhabitants heretoref 1 take, dry, or cure fish on or within 3 thereof 1 take, dry, or of the coasts, bays, crecks, marine miles of any of the Majesty's dominions or harbours of hic Eritanncic included within above-menin America not included withica fishermen are, tioned limits.' The Arrerican sishermen for the purhowever, admitted into aing damares, of purchaspose of shelter, of repartaining water, and for no inf wood, and of obtaining ware, there, they other parpose whater such restrictions as may be are to be placed under their abusing the privileges hereby reserved to them.

Cod Fishery, French.-.France has always enjoyed a considerahle sbare of the cod fishery. The following Table shows the extent to which she has latterly carried it 01 :-
Quantities of Cod Fish and other Produce of the Cod Fishery Imported into France, with the Number, Tonnage, and Crews of Vessels in
which the same were Imported, in each of the Years 1862-4.


Quantities of Cod Fish Exported, under Bounties from France,
Years $1862-4$

| Countries to which Esported | 1862 | 1853 | 1864 |
| :---: | :---: | :---: | :---: |
|  | ${ }_{\substack{\text { kilios. } \\ 37704 \\ \hline 0.4}}$ | kllles, | ${ }^{\mathbf{k}} \mathbf{8 1 7 6 5}$ |
| Martinique - | 3792,427 | 229,410 | 93, 5.974 |
| - inuadaloupe: | 12,409 | 16,661 | 5,654 |
| Gayenne |  | 5,469 | 12,359 |
|  | 4, 311,835644 | 1,353,54, | 1, 1.39773738 |
| Rreunion : | ${ }^{1,753,644}$ | $1,20,400$ | 123,934 |
| Italy ${ }_{\text {Other }}$ counuries in Eurape | 230,901 | 226,390 | ( 285,0688 |
| Algeria ${ }^{\text {a }}$ | 1,045,680 | 771,3165 | [1,037,860 |
|  | $\frac{24,491}{4,311,199}$ | -, 5 , 3,9893 | 2, $2,98.8,128$ |

But notwithstanding the apparent prosperity of this branch of industry, it may be doubted whether it be really so beneficial to France ason artificial tirst sight appear. It depends more upon areign cod regulations than upon anyth markets by the oppresis excluded with which it is loaded; and the com-parat:- ely great demand for dried fish in Catholic countries renders this a very great boon to the Jreneh But it is admitted that this French fisherman. ligh bonnties are paid to these engaged in it. Thi hower, lave been reduced of late years; These, howell pro' $\operatorname{bly}$, in no long time, undergo and they will pro alions.
St. Pierre and Miquelon, small islands on the coast of Newfoundland, belong to the French. Their right of fishing upon the shores of that island, and upon the Great Bank, was replaced, int 1814, upion the footing on which objected to by
This concession has been much objer Thi

M•Gregor and they hinve mate COD LIVE Ger. stockfiscli article illustrat on an importas tlxed oil extra common cod, procured from the hake, and t

The best cod the livers, brok steam, to a tem livers sliould b cluct is called al livers are left rises to the surf second quality, residue left to p the banks oil, aj odonr. Someti heating the fresl supplies a good
creat use is m of the coarser $k$ leather, which i this substance. mical use is as operates is not one of the most tires in cases o 1866 we importe $65,979 l$., the chie
British North A
Sorts of Cod great value as adulterated with and sometimes w chemical anslys adulterations, bu possible, is exce The following a rities, the most to

1. The specifi between 915 and which is said to article, is reporte -866.

## 2. Gennine cod

3. The sulphur gives a centrifug dine viblet colour, ish red. Sometin
4. The nitric tated with the colour, afterward:
5. The sensible (British Pharmac mation.)
COFFEE (Ge koffy, kofliboonen koffe; Fr. Ital. at kofé; Pol. kawa; Malay, kāwn; $P$ chaube). 'I'lie be Arabica, Linn.). form, smaller that close, and liard te the one side and deeply marked fu the flattened side; a greenish colour,
Historical Notic a native of that terris faba missa tensively cultivate India, in Java, the

M'Gregor and others: we believe, however, that they have materially over-rated its influence.
COD LIVEI OIL (Fr. luile de morue; (ier. stockfisch leberthran). The trade in this article ilhustrates the effect of a medical demand on an important branch of inclustry. This is a tixed oil extracted from the fresh liver of the common cod, but oil bearing this name is also procured from the ling, the ceal-fish, the pollock, the hake, nud the haddock.
The best cod liver oil is obtained by heating the livers, broken up into a mass, by means of steam, to a temperature not exceeding $\left[80^{\circ}\right.$. The livers shonld be as fresh as possible. This product is called shore oil, and is the purest. If the livers are left till putrefaction commences, oil rises to the surfuce, and if rapidly taken off, is of second quality, being known as straits oil. The residue left to putrefy and then boiled constitutes the banks oil, and is offensive both in taste and odour. Sometimes the oil is expressed, after henting the fresh liyers: the product being filtered supplies a good variety of the oil.

Great use is made of cod liver oil, and especiallyof the coarser kinds, in the mannfacture of shoe leather, which is most conveniently dressed with this substance. Hut its most important economical use is as a medieine. In what manner it operates is not determined, but it is said to be one of the most valuable alteratives and restoratives in cases of scrofnla and cousumption. In l8tid we imported 895 tuns of this oil, valned at 6in,979l., the ehief supplies coming from llamburg, British North America, and Norway.

Surts of Cod Liver Oil.-In consequence of its great value as a drug, the articie is frequently adulterated with other fixed oils of animal origin, and sometimes with fixed vegetable oils. Exaet chemical analysis might detect some of these adulterations, but unfortunately the process, if possible, is exceedingly delicate and uncertain. The following are, according to the best authorities, the mest trustworthy tests:-

1. The specific gravity of genuine oil rauges between 915 and 9195 at $72^{\circ}$. Shark liver oil, which is said to be substituted for the genuine article, is reported to asave the specifie gravity of -866.
2. Genuine cod liver oil does not congeal at $14^{\circ}$.
3. The sulphuric acid test. A drep of this acid frives a centrifugal movement to the oil, and a fine viclet colour, passing to a yellowish or brownish red. Sometimes the colour is red at once.
4. The nitric neid test. 'This acid when agitated with the oil gives a pinkish or rese red colour, afterwards becoming brown.
5. The sensible qualities of odour and taste. (British Pharmacopcia, 1867; and Private information.)

COFFEE (Ger. koffe, koffubolnen; Duteh, koffy, kofliboonen; I ann. kaffe, kaffebönner; Swed. koffe; Fr. Ital. and lort. caffé; Spau. café; Russ. kofé; Pol. kawn; Lat. cotfea, caffea; Arab. bin; Malay, kāwa; Persian, tochem, kéwch; 'Turk. chaube). The berries of the coffee plant (Coffea Arabica, Linn.). They are generally of an oval form, smaller than a horse-bean, and of a tough, close, and hard texture; they are prominent on the one side and flattened on the other, having a deeply marked furrow running lengthwise along the flattened side; they are moderately heavy, of a greenish colour, and a somewhat bitterish taste.
Historical Nutice of Cuffie.--The coffiee plant is a native of that part of Arabia called Yementerris fuba missa Sabais; but it is now very extensively cultivated in the sonthern extremity of India, in Java, the West Indies, Brazil \&e. We
are ignerant of the precise period when it bepan to be roasted, and the decoction used as a drink, though the discovery is not supposed to date firther back than the early part of the tifteenth century. No mention of it is male ly any ancient. writer, nor by any of the molerns previously to the sixteenth ceutury. Leonhart hauwoif, u German physician, is believed to be the tirst European who has taken any notice of coffec. Hlis work was published in $15 \bar{i} 3$, and his accomnt is, in some respects, inaccurate. Coffee was, however, very aecurately described by l'rosper Aibinus, who had been in Egypt as physician to the Venctian consul, in his works de I'luntis Egypti, and de Medicina Egyptiorum, published in 1591 and 1592.
A public coffechouse was opened for the first tinse, in London, in 165\%. A 'lurkey merchant, of the name of Edwards, linving brought along with him from the Levant some bags of cotice, and a úreek servant acenstomed to make it, his house was thronged with visitors to sec and taste this new sort of liquor; and, wishing to gratify his friends without putting himself to inconveniense, he allowed his servant to make and sell coffice publicly. In consequence of this permission, the latter opened a collee-house in Newman's Court, Cornhill, on the spot where the Virginia Coffechouse now stands. Garraway's was the tirst coffee-house opened after the great fire in 1666. (See the learned and elaborate treatise of Moseley On Coffer, 5th ed. p. 15.)

Charles II. attempted, by a proclanation issued in $167 \overline{5}$, to suppress coffec-houses, on the gromed of their being resorted to by disaffected persons, whe 'devised and spread abroad divers false, malicious, and scanduhous reports, to the defamation of his Majesty's government, and to the disturbance of the peace and quiet of the mation.' 'The opinion of the Judges having been taken as to the legality of the proceeding, they resolved, 'That retailing coffice might be an iunocent trate; but, as it was used to nenrish sedition, spread lies, and scandalise great men, it might also be a common uuisance!'
M. de la Reque mentions that the use of coffee was introduced into France between 1640 and 1660 ; and he further states that the first coffeehouse for the sale of coffee in France was opened at Marseilles, in 1671. (Voyrage de 'a Syrie, tom. ii. pp. 310-319.) It was hardly, howaver, known, except to a few trayellers who had visited the Last, till 16f9, when it was intreduced to the best society in Paris by Solymian Aga, ambassador from the Grand Seignier to Leuis XIV. It immediately became fashionable; and the taste for it having been quiekly diffused, a coffec-house was opened for its sale in 1672, which, in no longr time, hal several competitors. (See the excellent work of Le Grand d'Aussy, Vie privée des Fransois, iii. 127, ed. 1815. )

Some time between 1680 and 1690 the Dutch planted in the viciuity of Batavia coffee beans they harl procured from Mocha. In 1690 they sent a plant to Europe; and it was from berries obtained from this plant that the first cofice plantations in the West Indies and Surinum were derived.

Progressive Consumption of Cuffee in Great Britain. Influence of the Duties.-In 1660 a duty of 4d. per gallon was laid on all coffee made and sold. l'reviously to 1732 the duty on coflee amounted to $2 s$. per 1 lb . but an Aet was then passed, in compliance with the solicitations of the West India planters, reducing the duty to $1 s$. Gd. per lb. ; at which it stood for many years, producing, at an arerage, about 10,000l. a-year. In conse-
quence, however, of the prevalence of smuggling, caused by the too great magnitude of the duty, the revenne aleclined, in 1783 , to 2.8694 .10 s . 10 hal ; and it having been found impossible otherwise to check the practice of clandestine importation, the duty was reduced, in 1784, to $6 d$. The consequences of this wise and salutary measure were most beneficial. Instead of being reduced, the revenue was immediately raised to near three tines its previous amonnt, or to $7,200 \% .15 \mathrm{~s} .9 \mathrm{~d}$., showing that the consumption of legally imported coffec must have increased in about a ninefold prozortion!-a striking and conclusive proof, as Mr. Bryan Edwards has observed, of the effect of heavy taxation in defeating its own object. (Mistory of the West Indies, vol. ii. p. 3.10, Byo . cd.)
The history of the coflee trade abounds with similar and ceven more striking examples of the superior productiveness of low duties. In 1807 the duty was $1 s .8 d$. per 1 b. ; and the quantity entered for home consumption amounted to $1,170,16 \cdot 1$ lbs., yiclding a revenue $0 \cdot 161,245 / .11 \mathrm{~s} .4 \mathrm{~d}$. In 1808 the duty was reduced from 1s. 8 d . to 7 Cl ., and in 1809 no fewer thun $9,251,847$ lbs, were entercd for home consumption, yielding, notwithstanding the reduction of thaty, a revenue of $245,8561,8 s, 4 d$. The duty having been raised in 1819 from $7 \%$, to $1 s$. per lb., the quantity entered for home consumption in 1824 was $7,993,04 \mathrm{l}$ lbs., yielding a revenue of $407,544 / .4 \mathrm{~s} .3 \mathrm{~d}$. In 182.1, however, the tuty being again reduced from $1 s$, to $6 d$. , the quanity entered for home consumption in 1825 was $10,766,112$ lbs.; and in 1831 it had increased to $22,740,627$ lbs., yielding a nett revenue of $583,751 /$.

The rapid increase in the consumption from 1825 to 1832 must not, however, be wholly aseribed to the reduction of the duty. This, no doubt, had the greatest influence ; but a good deal is also owing to the low price of coffee from 1824 to $18: 30$, and also to the great reduction during the same period in the price of low brown sugar (fully $1 \frac{1}{2} d$. per lb.), a cheap and abundant supply of which is indispensable to the extensive use of coffee.
These statements, which are principally deduced from the accompanyiug account, No. l., refer to the consumption of Great Britain only; but the account No. II. includes the United Kingdom, and is brought down to 1867 inchusive. The most remarkable features in this acconat are the reduction of the duty on coffee from the East Indics and Ceylon to the same level as that on cofiee from the West Indies, and the farther reduction of the duty on coffee from British possessions in 1842 to $4 \frac{1}{5} d$, per lb . The cqualisation of the duty on East and West Indin coffee had become indispensable after the rapid decline in the supplies from the West Indies consequent on the emancipation of the slaves; for as foreign coffce was burdened with a high discriminating duty, the price of British coffee must othenvise hnve risen to such a height as materially to interticre with the consumption. The latter, indced, has not increased since 1837 in the ratio that might have been expected from the increasing population and wealth of the country; and since 1847, when the consumption amountell to $37,441,373$ lbs., it has declined, hnving been in 1866 only $27,849,694$ lbs.
The produce of colonial coffee as indicated by the imports has risen considerably. When the last edition of this work was published the imports of colonial coffee were little more than 24,000 tons: they were in 1865 considernbly more than double this amount.
The stntionary or declining state of the consumption of colfee may, however, be easily explained. We have seen how rapidly the growth of
chicory has extended in this country [Cincory]; and its substitution for coffec has no toutht prevented the increase of the latter. The alularintion of coffec with chicory was, indeed, authorised by a Treasury minute passed in 1840. 13ut the well-founded objections malle to this extraorlinary attempt to legitimise a procecting by which the revenue as well as the public was defranded, led to the repenl of the minute referred to in $185 \%$. The sate of coffee mixed with chicory whs then prolibited. Inasmuch, however, as this prohilition could not be made effectual, a new minute was passed in 1858 , permitting the snle of colled intermixed with chicory, provided the pareds containing such compound be labelled Minture: of Coffice anis Cincony. Aind we do not well sce what more can be done in the mntter. Dealers who supply chicory, or a mixture of coffec aul chicory, to customers who order coffee, are swiddlers who ought to be adequately punished; lut if customers order chicory, or cotfee alloyed with chicory, there neither is nor cnn be any good reason why they should not be supplied with the article they want.

Under such circumstances the best thing that can be done by those who have the opportunity, and who wish to make sure of getting genuine coflec, is to buy it before it is ground; and as a mill for grinding mny be bought for a small sum, and coffee is solil reaily 'roasted,' there is, in this way, no great difficulty in obvinting adulteration. Those who use grount coffec will also be protty secure against frand if they resort only to firstclass shops.

It is seen, from the accompanying tables, that the duty on forcign coffec was reduced in $18 \cdot \mathrm{l}$ to $6_{1} \frac{1}{10} d$. per lb . anil, following up the example set in the ense of the sugar duties, it was farther reduced in 180 l to $3 d$. per lb., that is, to the same rnte of duty thnt was then laid on Iritish colonial coffec. The duty on all descriptions of coflee, after being rnised to 4 I . per lb . in 18505 , whe again reduced in 1857 to 3 d. A duty equal to thit on coffec has riso been imposed on chicory. [Cincorr.]
I. An'Aeconnt of the Quantity of Coffee retained for Howe Consumption in Great Britain, the Rites of Duty thereon, and the Produce of the Duties, in each Year from 1789 to 1819, both inchisiec.

II. An Acconent of the Quantity, in Pounds Weight, of Coffee importcd into the Iraited Kingdom, the Quantity retained for Consumption, the Produce of the Duties, and the Rutes of Duty on the same, in each Year from 18:0.

| Year | $\begin{aligned} & \text { Quanitites im. } \\ & \text { forted Into the } \\ & \text { United Kingtlom } \end{aligned}$ | Quar eftiesretalned fir hoine con. vomption in the | Amount of duy received hereon | Rates of duty per pounil |
| :---: | :---: | :---: | :---: | :---: |
| 1820 | 139. $48,811,626$ | lba. $7,103,109$ | 342,543 | Of any Hrlish posestion in America nr Aftc: Company's 'harter All min sur |
| ${ }_{5}^{1892}$ | 15,270, 869 | 7,903,001 | 3x4, 28.3 | Alfuther culiee - - - - 026 |
| (1822 | 11, 1000,121 |  |  | " |
| 1824 | 50,671,219 | 8,262, 013 | 120,038 | Ofany Hritich possessinn in America |
| 1825 | 52,597,018 | 11,082,9\%0 | 315,814 |  |
| 1826 | 42,017,103 | 13,199,235 | 336,570 |  |
| (1827 | ${ }^{47} 9$ | $15,560,117$ $17,114,635$ | 399,690 |  |
| 1829 1892 1890 | 39,07, 215 | 19,4666,1088 | 4!9x,9, | " |
| 181 | 48,372,163 |  | - | $\ddot{\prime}$ |
| 18.73 | 49,9.4, 939 | 22,9,92.527 | S98,1138 | " |
| (18,3, |  | - $22.741,981$ | 691,241 |  |
| 1835 | 80,308,40, | 23,295,016 | 652,121 | Of any British possession In Amerlea, or within the <br> limits of the East India Cumpeny's Charter, or of sierra leone <br> An fithe limits 006 <br> of the East India Cumpany's Charter, not being the produce thereot <br>  <br> (From September 9.) |
| $\underset{\substack{1836 \\ 1 \times 37}}{ }$ | $31,051,8.87$ <br> $36,412,51$ | 24,917,090 | ${ }^{691,616}$ |  |
| 183\% | 34,932, 279 | 2\%,76is, 63 | 6s5 | " |
| 18.51 | 41,003,316 | $26,781,915$ | 779,115 | Of any Britich possession in Amërica, nr within the limits of the EGast Indla Company's Charter, or of Sierra Leone - |
| 1810 | 70,250,766 | 28,661,541 | 921,551 | Imported from any Britivh possession within the limite of the East Inclia Company's tharter, not being the produce thereof <br>  Otherwise imported (From May 15.) |
| 1811 | 43,317,762 | 29,370,8:7 | 887,717 | Of and from Pritish possessions ". . - 0 \% 0 a 1.5 |
| 1847 | 41,141,411 | 28,519,616 | [68,886 |  |
| 1813 | 38,914,469 | 29,979,104 | 697,376 | Of and from Hritish posesslons ". |
| 18.4 | 16,523,188 | 31,3.52,382 | 651,616 |  |
| 1845 | ¢0,377,915 | 31,96, 36,790 | 717871 756,978 | ", |
| 1817 | 3, $5,3,11,144$ | 37,441,73, | \%16, 436 | $\because$ |
| 1819 | 63, ${ }^{315,787}$ | 37,0779,546 |  | \{0t Brttich mosesalons 0041 |
| 18:0 | 50,803,152 | -31,166,339 | 365,659 |  |
| 1831 | 53,110,6fio | 32,501,515 | 4.11,670 |  |
| 185\% | 51,935,510 | 34,978,432 | 4.37,229 | Raw - . . $\quad$. - - 0 or |
| 18.3 | 55,631,733 | 36,983,122 | 462,367 |  |
| 18.51 | 66,500,358 | 37,350,924 | 467,018 | Raw - - - - - 00 |
| 1k:S | 64,061,479 | 35,761,561 | 546,261 |  |
| $18: 6$ | 56,992,116 | 34,995,944 | 584,517 | Raw - - - - 003 |
| $18: 7$ | 59,592,786 | 34,353,123 | 454,747 | Kiln drled, ronsted, ur ground $\underset{(\text { From April 6.) }}{ }{ }^{-} \quad-\quad 0 \quad 0 \quad 4$ |
| 18:59 | 60,697,265 |  |  | " |
| $1 \times 6$ | \%2, | 35, 3 (x), 0 (18) | 41,437 | , |
| 1861 $1 \times 62$ | $83,5310,040$ $91,040,000$ | $35,203,000$ <br> 34,450 | 439,422 439.978 | " |
| ${ }_{\substack{18.63}}^{1865}$ | $117350,0,06$ $109,2 \times 0,000$ | $32,760,0100$ $31,360,000$ | - $410,30,350$ | ", |
| ${ }_{1865}$ | (198, 91910,1001 | $30.510,000$ | $3 \times 8,779$ | " |
| (18166 | $187,04,816$ $137,729,716$ | $30,939,413$ $31,289,106$ | 371,495 | " |

* To Merch 31.

The table No. III. (p. 328) is interesting, inas- portant both in a moral and physical point of view. much as it not only shows the sources whence we These beverages have the admirable advantage derive our surplies of coffec, but the estimation in of affording stimulus without preducing intoxiwhich the prolucts of different countries are held cation, or any of its evil consequences. Lovers in the mercantile world.
The introduction of tea $\mathrm{an}^{\mathrm{d}}$ coffee, it has been hence the use of these beverages has benefited well remarked, 'has lell to a vonderful change in both manners and morals.' (Scotsman, Oct. 17, the diet of civilised nations, a change highly im- 1827 .)
III. An Arcount exhibiting the different Sources u'hence the Coffee imported into the United Kingdom in 1866 was derived, with the Quantities imported from each, the Total Quantities retained for IIone Consumption, and the Computed Value of the Imports and the Duty.

| Countries | 1mported | Retaired for home conaumption | Value | Priee | Duty |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | lbs. | 1bs. |  | Nutat. |  |
| From llamhurg - | $10 y .80$ | 18.049 | 8,60, | ${ }_{2}{ }^{2} 171$ | 819 |
| Llolland - | 711,257 | 14,510 | \%,rfy | 3121 | 194 |
| France - | 142,105 | 16.198 | 3,N71 | 310 | 186 |
| Portukal : - - | Y14,658 $3-5,121$ | 4,413, | 5,746 | *19 9 | 568 |
| Wext Africa : Portuguene ponsessiona | 371,94.7 | 4,1,114 | 11,476 | $\begin{array}{r}4 \\ \hline 10 \\ \hline\end{array}$ | 3.58 |
| 1'hilippine 1 sarals - * | 786,978 | 19,116 | 21,7118 | $3{ }^{3} 11$ | 443 |
| Cuba - - | 31,256 | 4,554 | 824 | $\pm 191$ | 67 |
| Porto Riro | 264,795 | 2N,177 | 15,116 | 398 | 3.58 |
|  | 2,723,177 | 7.825 9.144 | 61,133 31,310 | ${ }_{3} 1{ }^{1} 8$ | 115 |
| United Shates : Nouth Atlantic ports: | 97, 4,324 | 9,15 | 31 | 3176 | 115 |
| Forts on tle Practific | 891,747 |  | 27,275 | $\cdots 611$ |  |
| Ceniral America - | 7,100,387 | 2, $2.50,956$ | Y\% 40,3101 | 396 | 24,137 |
| New Granala - | \%,9N1, \% I6 | 343,140 | 80,563 | 3116 | 6,7911 |
| Hrailil ${ }^{\text {a }}$ |  | 67,1000 | 211.836 | $y_{4} 16$ | ${ }_{717} 8$ |
| Hrithh poxsessiona in South Africa | 491,213, | 57,35\% | 1y, $\mathrm{N}^{2} 4$ | 3119 | 717 |
| Britha India : ${ }_{\text {Nombay }}$ Nandras Sinde |  | 4,664,976 | 31,148 | $\begin{array}{lll}3 & 15 & 8 \\ 3 & 17 & 7\end{array}$ | 30,4684 |
| Jiengal and Prgı | -6,571 | 1,41, 7,949 |  | 317 3 15 | 3, $1(\mathrm{k})$ |
| Singapore and the Eastern Straits Seterments | 971,145 | 37,31.5 | 2f,553 | 318 | 469 |
| Cevion ${ }^{\text {cos }}$ | $81,144,371$ | 21.537,1882 | 2,704,3.5\% | 3114 | $269.21]$ |
| Writish Wext India lalanda - | 4,511,9\%9 | 1, 1778,778 | 14,130 | 31.71 | 13.15 |
| Olrithif Hondures :- | $\begin{aligned} & 166,54.5 \\ & 311,736 \end{aligned}$ | $\begin{aligned} & 28, N 6 N \\ & 75 ; 227 \end{aligned}$ | f,9015 | $\begin{array}{lll}3 & 6 & 1 \\ 3 & 2 & 7\end{array}$ | 915 |
| Deduct exported on drawhack, over-entered Asc. | 187,014,816 | $\begin{aligned} \mathbf{3 0}, 939,813 \\ \mathbf{3 0 9}, 577 \end{aligned}$ | 4,089,329 | lepatd | 3N6, 0 \% 68 |
|  |  | , $70,0,30,4.36$ |  |  | 383,04.3 |

Supply and Consumption of Cuffee--Owing 10 the increasine consumption of coffee in this country, the Continent, and America, the great value of the article, the large umount of capital and labour employed in its production, and the shipping required for its transport, it has become a commodity of primary commercial importance. It deserves particular attention, too, inasmuch as there are few, if any, articles that exhibit such variations, not only of consumption, but also of growth and price. These are uccasioned partly by changes of conmercial regulntions and duties, and partly also by the plant requiring 4 or 5 vears before it comes to bear: so that the supply is neither suddenly increased when the demand inereases, nor diminished when it falls off. St. Domingo used formerly to be one of the greatest sources of supply, hnving exported, in 1786, about 35,000 tons; and it is supposel that, but for the negro insurrection which broke out in 1792, the exports of that year would have amomited to 42,000 tons. The devastation oeensioned by this event caused, for a series of yenrs, an almost total eessation of supplies. They have again, however, increased, and were understood to amount, in 1866, to about 16,000 tons a-year. From Cuba the exports of coffee have, for some years, owing partly to the decline in its price and partly to the efforts of the planters having been more directed to the cultivation of sugar, greatly fallen off. They mny at present amount, including Porto Rico, to 7,000 tons. In Java and Brazil the culture of coffee has increased with unprecedented mpidity [Batavia; Rio Janeimo]. The exports
from Java, which did not a few years ngo exceed 18,000 tons, now (1867) a mount to at least 55,000 ; while those from Brazil, which have increased in an equal degree, amount to above 140,000 tons. From Rio alone the exports in 1866 were $309,583,360 \mathrm{lbs}$. The growth of coffee in India and Ceylon has also been very greatly increased, especially in the latter, where the plantations have been so much extended that their produce is now equal to more than double the present consumption of ihe United Kingdom. There has, no doubt, been $n$ serious decrease in the exports of coffee from the Mritish West Indies; the imports into the United Kingdom having declined from 11,014 tons in 1832 to 2,015 in 1866; but when reference is
made to the whole supply, this diminution is inconsiderable. On the other hand, the exports of coffee from the East Indies linve inereased from $132,8191 \mathrm{bs}$, in 1857 to $785,1021 \mathrm{bs}$. in 1866 .
According to Mr. l'algrave, 'very little, so little indeed as to be quite inapprecinble, of the Mochn or Yemen berry ever tinds its way westwards of Constantinople. Arnbia, Syria, and Egypt consume two-thirds; the remainter goes to Turks and Arnenians. Even that which is exported is of inferior quality, the best grains being carefully inferior quality, the
selected for home use.'

The Moelan coffee quits its native land by three main lines of export-that of the Red Sea to Egypt. that of the inner Mejuz to Syria, and that of Rasam to Nejed and Shimer.
The second species of coffee is the growth of Abyssinia. Its berry is larger.
Another, and the commonest kind in the Fast, is Indian coffec. Mr. Palgrave adds that American coffee, in the judgment of Orientals, holds the very last rank. (Arabia, vol. i. n. 425. .)
The Cingalese region in which coffee is principally cultivated is that near Gampola. This cultivation received its first impetus from the decline of the coffee produce in the West Indies after the emancipation of the negroes. The exports frum Ceylon, which hat been only $1,792,448$ lbs. in 1827 , were $67,453,680 \mathrm{Jbs}$. in 1857, and the imports thence into the United Kingdom in 1866 were $81,428,370 \mathrm{lbs}$. Aceording to a report of Mr . Ferguson contained in Sir E. Tennent's work On Ceylon (vol. ii. p. 239), there were, in 1857, 403 estates in the district, containing 80,950 acres, of which 63,771 were in learing condition; the arerage crop per acre being 5.5 ewts. The number of coolle labourers required during crop time was 129,200.
The consumption of coffee in the United States has increased with great rapidity since 1821 , in which year it amounted to only $\dot{\mathbf{j}}, 306$ tons. Part of this increase is, no donbt, to be aseribed to the reduction of the duty, first from 5 to 2 cents per lb., and its subsequent repeal; part to the fall in the price of coffee; and a part, perhaps, to the increase of temperance sociclics. Tbe consumption, however, has been checked since the war, in consequeace of the reimposition of high war, in
duties.

Accour: of th exported fro from 1837

Prices of Coffee

[^15]Pro formá.
Account Sales of


Species of Coffee. Jamaica, Ceylon, a teemed the best; th Kica, Dominica, I Japa, Martinique, ar
cofe is produced coffee is produced in
being raised upon m being raised upon $m$
poils The most the growth of ver Elwards observes quently ameliorated luxuriant tree and which are large, an many years, rank remark is made by

Accoun: of the Quantities and Values of the Cuffec exported from Ceylon in each Quinquennial Period from 1937 to 1866 , both inclusive.

| Vear | Quantity | Vaiue | Pear | Quanity | Valu |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 40.37 | 34,164 | 106,999 | 18.52 | 372,379 |  |
| 4 | 99, 914 | 112.542 | $1 \times 5.3$ | Tx\%9,971 | 2 |
| 1889 | 11,469 | 1.26,3,3, | 1453 | 407, $4_{641}$ |  |
| 1810 1811 | 68,206 <br> 80,384 <br> 8 | 118,399 196,111 | \|n. |  | $1,0450,2 \mathrm{NR}$ |
| Total for | 971.960 | 756,603 |  | 2,056,9.50 | 4,206,313 |
| Average | 51,9;8 | 151,390 |  | 411. | N11,269 |
| 3 | 1 | 269 | 18.57 |  | 1,495,9188 |
| 1.1433 | 191,84? |  | (18:58 | S 311,635 |  |
| 14.5 | 178, ${ }^{\text {cin }}$ | 363,450 | 1860 | 6.33,449 |  |
| 3 P36 | 173,492 | . $38 \times 1,791$ | is51 | 6511 | 1,664,474 |
| Tolal for 3 jeara | 701,104 | 1,442,367 |  | 3,n19,074 | 7,5633,6x3 |
| Avernge | 110,480 | 294,473 |  | 603.806 | 1,314.791 |
| 1 A | 993,921 | 456,673 | ${ }^{8864}$ | 6n5,779 | 1,316,461 |
| 18, | 373,99, | (387,180 | (1463 |  | 2, 1,76646810 |
| 18.6\% | 87\%,473 |  | ${ }_{1 \times 65}$ | 977440 | 4,543,35 |
| 1851 | 369,957 | 689,158 | 1866 | W97.64 | 2,2\%6, кка |
| Total for 5 yeare | 1,575,954 | 2,686,738 |  | 3,931,221 | 10,019,503 |
| Avrrake | 315,10.50 | 5.77,347 |  | \%M6,2 |  |

Prices of Coffee in the London Market, April 15, 1868,

| Jomaica: Giood mldding to fine | per cwe. | \% ${ }^{\text {fio }}$ |  |
| :---: | :---: | :---: | :---: |
| 100 mludiling and middlink | - " | 7iv |  |
| Gond ordinary | - "\% | 6 | 50 |
| Ordinary and triage | - . | 3.5 | ${ }^{33} 0$ |
| Certon: Native, fint tintd | - " | ${ }^{39}$ | ${ }^{\prime \prime}{ }^{\prime \prime} 5^{5}$ |
| Good and fine orilinary | - | 49 | ${ }^{6}$ " ${ }^{34} 8$ |
| Simall and ordinary | - $\because$ | 4.3 |  |
| Planialion fine: | : "̈, | 909 |  |
| Fine mididing | - " | ${ }_{97}$ | ${ }_{0} 0$ |
| Aliddimp | : ${ }^{\prime \prime}$ | 73 | " ${ }^{\text {PH }}$ ¢ |
| Fine ordinary to low middling | - | 6.3 | 0: 媇 |
| Mined and triage | - " | 23 | 0 \% 3i 0 |



## COFFEE

$\frac{d}{i j}$
 Minddilag to groii middiling Fine orilinary to low middling Drdinary tochat Pint garbled Mlddiling to good Ungarbled
Java: Yellow Pale and miaed Manilla
Singapore
Padank :
Bratil Washed
Fine ordinary and superior
tood ordinary
Orilinary

## ta Cianyra

Conta Fice: Mlicling to fine
Ordinary to fine erdinary.
Cula : Atidding tn fine
Fine urdinary and double tine ordinary ;
Trdinary and good ordinary
Porto iliro
St. Doming
Coffee is sold in bond; the business being done In the public market either by private or public sales. It is always sold at landing weights nnd revenue tares; the latter being oll casks, barrels, and boxes identical with the real tares, and an average rate on bales and bags. Draft is allowed for as follows: viz. on packages weighing under 1 cwt ., 1 lb .; 1 cwt , and under 3 cwt ., 2 lbs ; 3 cwt. and under 5 cwt ., 4 lbs . ; and 5 cwt . nud upwards, 5 los.

The following is an account of the sale of enffee from Ceylon. Such sales are made out as if the goods were solll within one month from arrival. There is no charge for rent, as the consolidated rate covers that charge for twelve weeks. Coffee is always rent-free to the purchaser to the prompt day, and lies at the seller's risk till then uniess paid for.

Pro form a.
Aecount Sales of $\left\langle\begin{array}{l}16 \text { Casks Native Coffee ex Jane, Smith, } @ \text { Ceylon, sold at Public Sale May 14, 18ts, } \\ \text { on account and risk of Messra. J. B. \& Co. by ihe undersigned. }\end{array}\right.$


Species of $C_{0 f f e}$, Roasting $\S \cdot \mathrm{c}$.-Thè coffecs of the coffee of Java. (East Indian Archipelago, Jamaica, Ceylon, and Mocha are generally esteemed the best; then follow the coffees of Costa Rica, Dominica, Berbice, Demerara, Bourbon, Java, Martinique, and Hayti. Arabian or Mocha coffee is produced in a very dry climate, the best being raised upon mountainous slopes and sandy moils. The most fertile soils are not suitable for the growth of very fine coffee. Mr. Bryan Elwards obacrves that 'a rich deep soil, freguently ameliorated by showers, will produce a luxuriant tree and a great crop; but the beans, which are large, and of a dingy green, pro;e, for many years, rank and vapid, And the samo remark is made by Mr. Crawfurd with respeet to
vol, i. p. 487.) Coffee is improved by being kept; it then becomes of a paler colour.
Mocha, or, as it is commonly called, Turkey coffee, should be chosen of a greenish light olive huc, fresh and new, free from any mustiness, the berries of a middling size, clean, plump, and without any intermixture of sticks or other impurities, l’articular care should be taken that it be not faise packed. Good West India coffee should be of a greenish colour, fresh, free from any unpleasant smell, the berries small and unbroken.
Coffee berries readily imbibe exhalations fiom other bodies, and thereby acquire an adventitious
and disagreeable flavour. Sugar phaed near roflee will, in a short time, so impregnate the horrios and injure their thavour as to lower its value 10 or 30 per cent. Dr. Moseley mentions that a few bags of pepper, on larard a ship from India, spuiled $n$ whole argor of colfee.
-The roasting of the berry to a proper alegree requires arent nicety: the virtne and ngreenblenoes of the drink depend upon it ; and both are atten injured by the ardinary method. lhernier says, when he was at Cairo, where coffeo is нo mileh used, he was assured by the best juiges that there were only two people in th at great eity who umberstood how to prepare it in perfection. If it be under-done, its virties will not be imparted, and, in use, it will lomd and oppress the stomach: if it be over-done, it will yleld a that, larm, and bitter taste, its virtues will be destroyed, and, in nse, It will hent the body, and net as an astringent.' (Moseley, j, 30.)
Regulations uith respect tis Sale, Importution §c. - lioavted beans and rye, rediced to powder, have frequently been used to adulicrate gromad coftice; nud the possession of such substitntes for coffee was formerly an oflence punishable by the forfriture of the articles and a penalty of 1001. llat by the Aet 3 (ieo. IV. e. 03 , persons who are mot derters in roffice may take a license for roastins and selling corn, peas, beans, or parsuips, Ithelling the parcels with the names, and conforming to the varions regulations preseribel in the Act.
No eoffee can lie imported in packages of less than l00 lhs. nett weight.
No abatement of daties is made on acconnt of any damage cotlie may have rectived.
Coffee cannot be entered as being the produce of any Iritish possession in Amerien or of the Mauritius until the master of the ship in which the colfee is imported deliver to the collector or romptroller a certiticate of its origin, and dechare that the coffiee is the produce of such phace. ( 8 \& 9 Virt. e. $86 \mathrm{s}. \mathrm{St}$. )

ColNS. Picces of metal, most commonly gold, siver. or copper, impressed with a public stamp, and frequently made legal tender in payment of debts, either to a limited or an unlimited extent.

1. Circumstanees uhhich led to the Introduction anil Use of Coins,-Wien the precious metals first began to be nsed as money, or as standards by which to measure the value of different articles, and the equivalents for which they were most commonly exchanged, they were in an unfashioned state, in bars or ingots. The parties having agreed upon the quantity of metal to be given for a commodity, the exact amount was then ascertained ly weight. lint it is obvious that a practice of this sort must havo been attended with a great deal of trouble ind ineonvenience. There ean, however, be little donbt that the greate t obstacle to the use of unfashioned metals as money would be found in the diflieulty of determining their quality, or the degree of their purity, with sufficient precision. The operation of assaying is one of great nicety and diffieulty, nod could not be performed in the early ages otherwise than in a clumsy, tedious, and inaceurate manner. It is, indeed, most probable that when the precious metals were first used as money, their quality would be appreciated only by their weight and colour. A very short experience would, however, be sufficient to show the extreme inexactness of conchusions derived from such loose and unsatisfactory criteria; and the devising of some method by which the tineness of the metal might be easily and correctly ascertained
would very soon he fult as indispensable to the genernl use of gold and silver as money. Such a method was not long in presenting itself: it was early discovered that, to ascortnin the purity of the metal, and niso to avoid the tronble and expense of weighing it, no more was necessary than to mark ench jieco with a stamp, decfaring its weimht and flneness. J'his iuvention was made at a very carly perion ; but the accoments whidh assign it to particilar intes are mythical.

2, Metal used in the Munufucture of Coins.Before the art of metallurgy was well inderstood, the baser metals wero friguently used as money. Iron was the primitive money of the Lacedamaninas, and copper of the Romans. lhat both iron and copper deteriornte by being kept; and besides this defect, the rapid improvement of the arts, hy lowering their price, rendered their bulk too great in proportion to their value to permit of their contiming to be used as moner. Copper, indeed, is still used in the form of tokens, convertible inte silver in very small payments. In this country eopper or bronze pence and halfpence are rated at about 75 per cent. above their real value; but as their issuc is exclusively in the hands of Government, and as they are only legal tender to the extent of one shilling in any one payment, this over-valuntion is not productive of any bad eflicet. The use of copper in other countries is limited in wuth the saine way; gold and silver beins everywhere the only metals male use of in tho manufacture of the coins used in considerable payments.
ib. Stasdard of Coins.-By the star:darl of a coin is meant the degrec of its puriny, and its weight; that is, the tineness of the metal of which it is made, and the guantity of metal contained in it .
(1.) Silver Cbins.-A pound trov, or 12 ounces, of the metal of which binglish silver coins are made, contains 11 oz. 2 iwts. pure silver, aad 18 dwts. alloy. This pound is coined into b6 shillings; so that cach shifling contains $80-727$ grains the silver, and $87-27$ prains standard silver; and the money ponmd, consisting of 20 shillings contains $1614.5 \cdot 5$ grains pure silver, and $1745 \cdot 4.5$ grains standard silver. Firnm 1600 down to 1816 the pound weight of standard silver bullion was coined into fiz shillings. All the English silver coins have been coined out of silver of 11 oz 2 dwts. tine, from the Conquest to this moment, exeept for the short period of 16 years, from the 34th llenry VIII, to the $2 n d$ Elizabeth.
(2.) Gold Coins.-The purity of goll is not estimated by the weights commonly in nse, but by an Abyssinian weight ealled a carat. The carats are subdivided into four parts, called grains, and these again into quarters; so that a carat grain, with respect to the common divisions of a pound troy, is equivalent to 22 dwts. Gold of the hifhest degree of tineness, or pure, is said to be 24 carats tine. When gold coins were first made at the linglish mint, the stnndard of the gold pat in them was of 23 earats $3 \frac{1}{3}$ grains fine, and $\frac{1}{2}$ grain alloy ; and so it continued, without any varintion, to the 18 th of 1lenry VIII., who, in that, year, first introduced a nevi standard of gold of 22 carats fine, and ? earats nlloy. The first of these standards was called the old, and the sceond the new standard, or crown gold; because crowns or pieces of the value of Es. were tirst coined of this new stmidard. IIenry VIII. made his gold coins of both these standarils under diflerent denominations, and this practice was continued by his successors until 1633 . From that period to the present the gold of which the coins of this kingdom have been made has been iava-
riably of the ; some of the c viously to 1 if: when they we rent. (Livery The purity fore, 11 parts sovercign, or grnitus the gol The pound th $\cdot 6 \frac{H_{n}}{1210}$ sovereigt tanclaril pri wol. J4s, 6al, ounce.

The alloy in is allowed in pense that wot metals so as to free of purity ; is small, it lins linriler, aund less If the quantit would lessen tii metals, and won the coins.
The standard my be learned Table of Coins su 4. Variutionso sorts of property tions in alrnost al or hire, being ma that no change en money or coins vi estimites and con portion of society portion, or vice vi all connmotities is monts in the arts, or the tiscovery' can be selected to: not vary in its real that the precious rial that could b exception of the e? cansed by the dis it seems to have wher periods.
lhat in addition iaherent in the val tions in the cost 0 made, their standa Notwithstanding being universally compute the value equivalent for wl chasiced, is by far mensures used in quently, be prese there is none that The necessities or have forced them selves of the ineun have almost, mive fracetul expedien is, of cheating th the extent of the every other debt same.
The ignorance ficeilitated this sioc of the coins been metal contained i Would have been Hut, althoagh the hoine perpetual, ductions, their nise
riably of the nen' standard, or crown fold; thonkh | uniformly preserved; and the people who waw the some of the coins made of the old standard, prerionsly to $163 \%$, continued to elrenlato till 1 i:3:, when they were forbidden to be uny longer current. (Liverpool On Coins, p. 27.)
The purity of our present polle colns is, therefore, 11 parts the polil and i purt nlloy, The sovereign, or 20 shilling plece, contains $118 \cdot(0) 1$ grains tine gold, and $123 \cdot 27.4$ gralns standarl gold. The pound 'Troy of stamiard pold is colned into
 tandard price of gold is, therefore, sald to be Tw. 14s. Gid. per lb, troy, or 8l. lis. 10ht. per omer.
The alloy in coins is reckoned of no volue. It is allowed in order to save the tronble and expense that wonld be incurred in retining the metals so as to bring them to the highest depree of purity ; and becnuse, when its gunnlity is small, it lias a tendency to remler the coins harder, and less liable to be worn or rubbed. If the quantity of alloy were considerable, it would lessen the splendour nud ductility of the metals, and wond add too much to the sizo of the colns.
The standard of the coins of forcign countries may be learned at n glance by inspecting the Table of Coins subjuincil to this article.
4. Vuriations of the Standard.-The value of all surts of property being estimated, and the stipulations in alnost all contracts for its purchase, sale, or hire, being made, in money or coins it is plain that no change cmin take place in the value of sueh anoncy or coins without virtually snbverting these estimates and contracts, and enriching the debtor partion of society at the expense of the creditor portion, or vice versh. As the cost of promeing all commodities is liable to vary from improvements in the arts, the exhaustion of the present or the discovery of new sourees of smpply, none eaa be selected to sarve ns money or coin that may not vary in its real value. It is believed, however, that the precions metals vary less chan may material that conll bo suggested. And with the exception of the extroordinary fall in their valne caused by the discovery of the Amerionn mines, it seems to havo been remarkably constant at other periods.

Ilut in addition to the fluctuntions maturally inherent in the value of coins, arising from variations in the cost of the metal ol which they are made, their standard has been repeatedly changed. Sotwithstanding that money or coin, from its leimg universally used as a scale by which to compute the value of all commodities, and as the equivalent for which they are commonly exchanged, is by far the most important of thll the measures used in society, oud should, consequently; be preserved nos invariable as possible, there is nome that has been so frequently altered. The necessities or extravagance of governments have forced them to borrow; and to relieve themselves of the incumbrances thins contracted, they have almost miversally had recourse to the diseraceful expedient of degrading the coin: that is, of cheating those who lent them money, to the extent of the degralation, and of enabling every other debtor in their dominions to do the samue.
The ignorance of the public in remote nges facilitated this ejecies of frand. Hal the names ot the coins been changed when the guantity of metal contained in them was diminished, there would have been no room for misapprehension. hat, although the weight of the coins was mindergoing jerpetunl, and their purity oceasional, reductions, their ancient denominations were almost
same names still remaining nlier the sabstance was diminished-whosaw coins ol a certain weight and theness circulate under the names of thorins, livres, dollars, nud pounds-and who snow them continue to cirenate ns such after both their weight and the dogree of their theness had been lessened, hegan to think that thay derivel their value more from the stamp afllxel to then by anthority of Government than from the quantity of the precious metals they contained. 'Ihis was long a very prevalent ophion. lhat the rise of prices which invarinbly followed every raluetion of the stamdarl, and the derangement that was thereby owensioned la every peemiary transaction, undeceived the polbice, and tanght them and their mulsers the expediency of preserving the stamdard of money involate.

The standard may be reduced by simply raising the denomination of the coin; by ordering, for example, that a hati-sovereign shonld pass for a sovereign, and the lntter for a double sovereign \&e. If injustice be resolved upon, this is the least mischievous way In which it can le perpetrated, inasmuch ns it saves all the tronble and expense of a recoinage. But as it rendery the frand obvions and glaring, it has rarely bern resorted to; and most rednctions have been ellected either by diminishing the weight of the coins, or loy increasing the proportion of alloy in the metal of which they are made, or both:

Oripinally the coins of all comntries seent to have had the same denomination as the weights commonly used in them, and contaiped the exaet quantity of the precious metnls indicated by their name. Thns, the talent was a weight usell in the earliest period by the tireeks, the as or poule is the lionians, the lirre by the French, and the pound liy the linglish and Scotch; nud the coins originally in use in Greece, Italy, Franee, and lingland bore the same names, and weighed preciscly a talent. a pondo, a livre, and a pound. The standaril has not, however, been preserved inviolate, either in modern or nncient times. It bus been less degraded in lingland than nny where else; but even here the quantity of silver in a pound sterliug is less than the third part of a pound weight-the quantity it contained in 1300 . In France, the livre current in 1789 contained less than one sixty-sixth part of the silver implied in its name, and which it had actually contained previously to 1103 . In Spain, and somo other countries, the degradation has been carried still further. (For ana aceonnt of the degradation of the coins of the ancient and modern Continental nations, see the article 'Moner,' in the Supplement to the old, or in the new edition of the Eincychopadia Britannica.)

From le96 to 1355 the coins of England and Scotland were of the same weight and purity; but at the last-mentioned epoch the standard of Scotch money was, for the tirst time, sunk below that of Englind; and by snceessive degradations the value of Scotch money, at the mion of the crowns in 1600, was only a twelfth part of the value of the English money of the same denomination. It remained at this point till the union of the kingdoms eancelled the separate coinage of Scotland.

The gold and silver coins of Ireland have been for a considerable period the same as those of Grent Britain; but, uatil 1825, they were nominally rated $8 \frac{1}{3}$ per cent. higher. This ditterence ot valuation, which was attended with considerable inconveniences, wist put m! end to by the Act 6 (ieo. IV. c. 79, which assimilated the currency throughont the empire.

The tables annexed to this article contain all the information that can be dewired by mercontile men with respect to the weight, fineness dic, of Einglish and Scoteh gold and silver colis from the earlicst perioda to the present moment.
5. Nint, or Government Valuation of Gold and Silrer Coins.-If both gold and silver coins the made legal tenders, it is obviously indispensable that their value with reapect to each other should be flxed by authority, or that it should be toclared that indivlduals ahall be entitled to discharge the elaims upon them by payments, either of gold or silver coinn, according to mome regulated proportion. The practlce of making both metala legal tenders was long adoped in Eingland. From 1257 till 1664 the valus of sols colns was regulated by proclamation; or, which is the same thing, it was ordered that the gold coins then current shoulit be taken as equivalent to certain specitled sums of silver. (Liverpool On Coins, p. 1:8.) From 1664 down to 1717 the relation of gold to sllver was not tixed by anthority ; and wilver being then the only legal tender, the value of gold coins thetuated, according to the fluctuations in the relative worth of the metals in the market. In 1717 the ancient practice was ngain reverted to; and it was fixed that the guinea should lie taken as the equivalent of 21 shillings, and conversely.

But the value of each of the preclons metals is liable to perpetual changes; nud hence, how accurately socver their proportional value, as tixed by the mint regulations, may eorrespond with the proportion which they actnally bear to each other in the market when the regulation is made, the chances are 10 to 1 that it will sicedily cease to express their relation to each other. The moment that such a change takes phace, it becomes the obvious interest of everyone who has a payment to make, to make it in the overralued metal, which, consequently, becomes the nole, or nearly the sole, currency of the country. Ilence the reason why the coins of some countries are ulmost wholly of silver, and others nimost wholly of gold. It is estimated, for example, that whell it was ilxed, in 1717, that the guinea should exchange for 21 shillings, gold was overvalued as compared with silver to the extent of $\frac{119}{31}$ per :ent. (Liverpool On Coins, $\mathrm{p}, 85$ ) ; and as the real value of silver with respect to gold continued to inerease during the greater part of last century, the alvantage of paying in gold in preference to silver became more decided, and ultimately led to the universal use of gold in all large payments, and to the tusion or exportation of all silver coins of full weight. (Liverpool, loco cit.)
In France, a different valuation of the metals has had a diferent effect. Previeut $y$ to the recoinage in 1780 , the Louis d'ur w's rated in the mint proportion at only 24 live , when it was really worth 25 livres 10 sols. Those, therefore, who should have diseharged the obligations they had contracted by payments of gold coin instead of silver would plainly have lost 1 livere 10 sols on every sum of 24 livres. In consequence, very few such payments were mule; gold was almost entirely banished from circulation, and silver became almost the only species of metallic money used in France. (Say, Traité d'Écononie Politigue, tom, i. p. 393.)

In 1816, howerer, a new system was adopted in this country; it being then enacted ( 56 Geo. III. c. 68) that gold coins only should be legal temeter in all payments of more than 40 shillings. The pound of silver bullion, that had previously been coined into 62 shillings, was then aiso coined into 66 shillingr, the additional four aldillings being re-
tained by Govemment as a seignorage of duty (amounting to bila jer cent.) "ןou the comage. T'i prevent the silver coins from becoming redusdant, (iovernment has retained the power to lave them in its own hands. Under these regulations nilver has eeased to be a staudard of value, and forman merely a subordinate or mobstdiary species of currence, of ehange, occupying the name place in relation to gold that eopper ocenpies in relation to itaclf. 'lhin aystem has been fund to annwe: exceedingly well.

A good rleal of difference of opinion has existed as to whether fold or silver coins are best fitted for being made legal tender. It dues not neem that the one possesses any very atriking atlvantare over the other; none, certainly, that would justify a change, after a selectíun hos been made, and acted upon for any considerable period.

Down to 1626 a neignorafe or duty upon the coinage was usually elingred upon the gold and silver coinn insued by the mint; and it may be easily shown that tho imposition of such ad in, when it is not carrled to an uadue height, is advantageous. A coin is more usefol than a piece of uncoined ballion of the name weight and purity; the coinage titting it for being used as money, while it does not untit it for being uned tor any other purpose. When, thercfore, a duty ot seignorage is laid upon coin equal to the expense of coinuge, it circulates at les real value; but when thas charge is defrayed by the public, it circulates at less than its real value, and is consequently either uncled down or exported whenever there is any demand for bullion in the arts, or any fall in the exchange. It is, indeed, true, that were a seignorage to be laid on gold coins, it would be necessary, to prevent all enlancement of the valice of the currener; that their weight slould be proportionally reduced; and it is on this account better, perhips. to let them remain on the present footing. Jut when a seignorage was laid on the silver coins in 1816, it was not necessary to take the circumstance now alluded to into consideration; for as they were made subordinate to gold, and were intended to serve as change merely, its inymsition had no tendency to raise the value of the currence: at the same time that it was calculated effectually to prevent the fusion of the coins, and to yield is sinall revenue to Government.
6. Coinage since 1790. Amount of Coin in Cir-culation.-No. V. of the subjoined Tables shows the nmount of the gold and silver coinage at the British mint, each year, from 1790 duwnwards.
It will be acen from this account that gold coin to the amount of $60,126,0471$, has hern coined at the mint between 1817 and 1841, botlı inclusive. It is 1 nt , however, possible to form any very precise estimace of the portion of this iminense sum now in circulation. In consequence of the exemption of gold coin from any scignorage, large quantities of the coins carried abroad during an unfavourable exchange lind their way to the foreiga mints, where they are melted and recoined. Large quantities are also conveyed away by emigrants, of which no account is or can be taken; and it is neither possible to estimate the sums in the coffers of the different banks nor of individuals. On the whole, however, we shall not perhaps be far wrong if we estamate the stock of coin at present (1868) in possession of the puhlic and of the different private and joint-stock bauks (ex. Bamk of Engtand) at 30,000,000l.
7. The Extportation and Importation of Goldand Silver Coins was formerly prolitibited; but in 1819 it was enacted ( 59 Geo. 111. c. 49) that they might
be freely ex llable to any may be impo cutered at th rendered it value of the *. Forgery Coins.-The prnctised mor effectual mea the faturic of with great elel form of the eo from 1770 dow circulation wes it was very dit and counterfet I waltles, were quantities. B in 1816, forge Sufficient time retermining th the offence of eo of death.
9. Lau as to $t$ Acts as to this w the 2 \& 3 Wm . I a brief abstract :Counterfeiting realm, transporta 7 years, or impt years; and every be completo althe finished. (See. 3. colouring coun metal, with intent with intent to nuak portation for life, o years, or imprisonn ing 4 years. (Sec.
Impairing the ge to make the coin 80 ver coin of full exceeding I4 norl ment for not excee Buyigg or selliaf coin for lower vali porting counterfeit portation: for life, or imprisonment (Sec. 6.)
Uttering counter somment for not ex accompanied by coin, or followed days, imprisonment wery second offene conviction shall be or for not less than not exceeding 4 ye Intring 3 or more silver coin in posses same, imprisonment second ollence, tran less than 7 years, or ing 4 years. (Sec. Making, mending, ing any mould de., or engine, conveyi the mint without a tiva for life, or for prisonment for not 10, 11.)
Counterfeiting any ing. mending, or po buying, selling de.
be freely exported and imported without being for lower value than ita ilenomination, transportaliable to any chnrge or duty whatever; and they may be imported without being either reported or entered at the Custom-house. This regulation has rendered it next to impossible to ascertain the value of the bullion imported.
8. Forgery of Coin. Issue of forged or sparious Coims.- lhe forgery of eoin is an offenee that is prnctised more or less at all periods. The most effectual menns of preventing it is to improve the fabrie of the genuine colus, to cut the dies with great delicaey, and ocensionally to vary the form of the coins. During the lengthened perion from 1750 down to 1816 the genuine silver colns in circulation were so much worn and defaced that it was very ditheult to dlstinguish betwecs them and counterfeits, which, in despite of the severest funaltles, were thrown into cirenlation in inmense gunutities. Bat since the issue of the nev coins, in 1816 , for gery has been comparatively rare. suffleient time his wot yet been afforiled for letermining the influence of the law exempting the offence of counterfeiting from the punishment of teath.
9. Law as to the counterfeiting \&c. of Coin,-The Acts as to this were consolidated and amended by the 2 \& 3 Wm . IV. c. 34 , of which the following is a brief abstract:-

Counterfeiting the gold or silver coin of the realm, transportation for life, or for not less than 7 years, or imprisonment for not exceeding 4 venrs ; and every such offence shall be deemed to be complete although the counterfeiting be not finished. (Sec. 3.)
Colouring counterfeit coin, or any pieces of metnl, with intent to make them pass for gold or silver coin, colouring or altering genuine coin with intent to make it pass for higher coin ; transportation for life, or for any term not less than 7 years, or imprisonment for any term not exceeding 4 years. (Sec. 4.)
Impairing the gold or silver coin with intent to make the coin so impaired pass for gold or silver coin of full weight, transportation for not exceeding 14 nor less than 7 years, or imprisonment for not exceeding 3 years, (Scc. 5.)
luying or selling de. counterfeit gold or silver coin for lower value than its denomination, importing counterfeit coin from beyond seas, transportation for life, or for not less then 7 years, or imprisonment for not exceeding 4 years. (Sec. 6.)

Uttering connterfeit gold or silver coin, imprisonment for not exceeding 1 year; nad nttering, accompanied by possession of other counterfeit coin, or followed by a second uttering within 10 days, imprisonment for not exceeding 2 years; every second offence of uttering after a previons conviction sball be felony : transportation for life, or for not less than 7 years, or imprisonment for not exceeding 4 years. (Sec. 7.)
llaving 3 or more pieces of counterfeit gold or silver coin in possession, with intent to utter the same imprisonment for not exceeding 3 years : second offence, transportation for life, or for not less than 7 years, or imprisonment for not exceeding 4 years. (Sec. 8.)
Making, mending, having possession of, or selling any mould de., or coining tools, or any press or engine, conveying tools or moneys out of the mint without authority, feloay ; transportativa for life, or for not less than 7 years, or imprisonmeat for not exceeding 4 years. (Secs. 10, 11.)
Connterfeiting any current copper coin, or making, mending, or possessing any coining tool, or buying, selling \&c. any countcrfeit copper coin
tion for not exceeding 7 years, or imprisonment for not exceeding 2 years; and uttering any counterfeit copper coín, or having in possessiun 3 or more pleces of counterfeit copper coin, imprimonment for not exceeding 1 year. (Sec. 12.)
tiold or nilver coin tendered to any person nuspecting any pleca to be counterfeit, may be broken by such pernon; and if it shall appear to be counterfeit, the person tendering shali hear the loss; but if it shall be of due welght, and appear to be of lawfil coin, the person breaking it is to receive it at the rate it was coinel for, and any dispute shinll be thally determ'ned by any fustice; and tha tellers of the Exschequer and the receiversgeneral of the revenue are to break or deface every piece of connterfeit coil. tendered for payment. (Sec. 13.)
Any person discovering any counterfeit coin, gold, silver, or copper, or any coining tool, is to carry the snme forthwith before some justice, and on rensonable cause to suspect any person of counterfciting, or having such coin, of nuy tool \&c., such justice may cause any plnce under the control of such suspected person to be gearched, either in the day or night, and if any such coin or tool shall be found, to cause the same to be seized forthwith, and carriel before a justice, who is to secure the same tor the purpose of being produced in eridence, and afterwards of being delivered up to the mint. (Sec. 14.)

The aecessity of the evilence of any offleer of the mint to prove counterfeit coin dispeased with. (Sec. 17.)

The court may order hard lnbour or solitary confinement. (Sec. 19.)
The words 'king's coin' Include ell coin lawfully current in the United Kingdom; and wilfully laving, in any dwelling-house or other building, lodging, apartment, tield or other place, open or enclosed, whether belonging to or occupied by the accnsed or not, and whether for his own use or bencfit, or for that of another, shall be deemed laving in his possession within this Act. (Sec. 21.)
Persons acting in the execution of this Act protected in the usual manner, by requiring notice of action \&c. and allowing tender of ameads de. (Sec. 22.)
10. Comvictions for Coining and Uttering.-In the 7 years endling with 1818, 63 persons were convicted in Encland and Wales of the offence of counterfeiting the coin of the realm, of whom 1 was executed. In the next 7 years the convictions for coining wero reduced to 14 , but of these 5 were executed. In the last geptenniul period, ending with 1832 , the convictions were 34 , and the executions 7. The convictioas for issuing forged coins in the tirst of the above periods were 21 , in the second 9 , and in the third $\mathbf{5 2}$.

Tables melative to tife Coins of Great Bimtain and othen Countmes.
No. I. English Coins.-The following table gives an account of the quentity of fine silver coined into 20 s . or the pound sterling: the quantity of standard silver, of 11 oz .2 dwts. fine and 11 divts. alloy, contained in 203 , or the pound sterling in the different reigns from the time of Edward I. to the reign of William IV. A similar account with respect to gold. And an account of the proportional value of fine gold to fine silver, according to the number of grains contained in the coins. Calculated in grains and 1000th parts troy weight.

| A. D. | Anno Regnl | Sliver |  | Gold |  | 5 <br> Value of Id to Fine cording to tity of each talned in the atas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number of Grainu of Plne silver $\operatorname{In} \%$ Shillingh, or the J'ound Stexling, as coined by the Mint Indenturea | 2 <br> Number of Gralns of Standard silver, 11 oz . $\mathbf{y}$ dwts. $\boldsymbol{F}$ ine in zo Shillings, or the Pound Sterling, as coined by the Mint Indentures | 3 <br> Number of Grains of Fine Goid in 80 shtilingen, ax the Pound Sterling, an coined hy the Mint Indentured | Number of Gralns of Stan. dard Gold Y4 Carata Fine, In 81 Shilinga, or tha Pound tit ering, at coined hy the Mint Indentures |  |
| 1068 | Conquert | 4,995.000 | 5,401000 | ${ }^{187}$ | $\mathrm{ERS}^{\text {che }}$ | gald to silver |
| 1280 | 8 Felward 1. | 4,995.000 | 5,400400) |  |  |  |
| 1341 | $1 \times$ Edward IIf. | 4,9,33.333 | 5,333:333 | 407-990 | $118 \cdot 080$ | 1 to 12.091 |
| 1349 | 43 Edward I11. | 4,440.000 | 4,8010000 | 38.703 | 418.588 | 1-11.571 |
| 1356 | 30 Fdward 111. | 3,996.000 | $4,320 \cdot 600$ | 354.12.5 | 396689 390064 | 1-11.158 |
| 1101 1421 | 3 9 Henry 9 | 3,996.(100) | 4,350.000 $3,601) \cdot 000$ | $35 \times 125$ $322 \cdot 312$ | $350 \cdot 688$ 351.613 | $1-11.158$ $=10.331$ |
| 1464 | 4 Edward iv. | \%,664.000 | $\boldsymbol{y , 4 8 0}$ | 257.850 | 2 21.291 | 1 二10.331 |
| 1165 | 5 Edwaydiv. | 2,661-000 | 2,880.040 | 238.750 | $460 \cdot 4.34$ | 1-11.158 |
| 1170 | 49 Henry V1. | 2,664*000 | $\left.2,8800^{\circ} \mathrm{O}\right)(\mathrm{C}$ | 2388730 | $260 \cdot 454$ | 1-11.158 |
| 1482 | 4y Edward 1 Heary | \%,66ii 000 | 2,880.010 | 238.750 | 2600464 | 1-11.138 |
|  | ${ }_{18} 1$ Herry VIII. | $2,661 \cdot 090$ $2,368 \cdot 090$ | $2, \times 800000$ 8,5600000 | $2.38 \cdot 750$ $210 \cdot 149$ | $260 \cdot 451$ $246 \cdot 25.3$ | 1-11.15H |
| 1543 | 34 Henry V1II. | 2,000 $1 \times 00$ | 2,164.162 | 191.666 | 209000 | $1=10 \cdot 434$ |
| 1615 | 36 Henky VIII. | 1,260.000 | 1,297-297 | 176.400 | 197000 | 1-6.818 |
| 1516 | 37 Henry VIII. | \% 800.600 | 864.86! | 160.000 | 174.545 | 1- 5.000 |
| 1547 | $\cdots{ }^{1}$ S Edward VI. |  | $861 \cdot 961$ $861 \cdot 864$ | $169 \cdot 000$ 153.494 | 1769.545 | 1 1- $5 \cdot 000$ |
| *1551 | 5 Exward Vi. | 400.000 |  | - | 1638 | - - |
| 1551 | ${ }_{5} \mathrm{E}$ Edward Vi. | 1,760\%60 | 1,902-702 | 160000 | 174.54 .5 | 1-11.000 |
| ${ }_{1553}^{1559}$ | 6 Edwazd V I. | $1,768 \cdot 000$ $1,760.000$ | 1,911-351 | 1611.000 159.166 | 174.545 173.636 | $\frac{1}{1}=11 \cdot 050$ |
| 1560 | 2 Elizabeth | 1,776.010 | 1,920.000 | 1614000 | 171.615 | 1-11.100 |
| 1660 | 43 Elirabeth | 1,718.709 | 1, 5 58.06. | 1:7612 | 171.940 | 1-13901 |
| 1601 | $y$ James I. | 1,718.709 | 1,85H.064 | 111.935 | 154.838 | 1-1\% 109 |
| 1686 | 9 Charles I. | 1,715.703 | 1,8.58.061 | 148.780 | $140 \cdot 487$ | $1-1.3 .346$ |
| 1666 | 18 Charles II. | 1.718709 | 1,458.064 | 118.651 | $129 \cdot 438$ | 1-14.185 |
| 1717 +1816 |  | $1,718 \cdot 719$ $:, 614.545$ | $1,858 \cdot 064$ $1,745 \cdot 454$ | 1136001 113.001 | 123.474 1250274 | $\begin{aligned} & 1-15209 \\ & 1=14.267 \end{aligned}$ |

a 1551-5 Edward VI.] The coinage of debased silver money in the 5 th year of Edward VI. of 3 ox. fine ought more properly to be
$\dagger 1816-56$ George IIt.] The Government having taken the coinage of silver into lta own handu, there ls at present no fixed prlce paid to the pulinic by the Mint for standard siliver 1 and supposing the Government te continue the present Mint
i7a. 10id. per ox., as the price of silver varles, the relative value of gold to ailver will vary in like proporion.

No. II. English Coins.-Subjoined is an account $\mid$ coinage, and the price of the pound troy of of the English silver and gold coins; showing standard gotl and silver, from the Conquest to their value, the seignorage or profit upon the the present time.

| A.D. | Anno Regni | Silver |  |  |  | Goid |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Finenes: of the silver in the Colns | Pound Weight of such sil. ver coined Into | 3 <br> Profit or Seiknorake on the Colnege | 4 <br> Equal to the Mint Price for standard Silver of 11 ox. 2dwi. fine Troy weight | 5 <br> Fineness of the fiold in the Coins | Pound Weipht of such Gold colned into | Profit or Seignorage on the Coinage | 8 <br> Equal 10 the Mint Price for Standard Gold of 28 Carats tine Troy welpht |
|  |  | or. dts. | $\underset{1}{\&} d_{0} d_{0}^{d_{0}}$ | \& . ${ }^{\text {d. }}$ |  | cris. $\mathrm{g}^{\text {ns. }}$ | 2 a. do | $\boldsymbol{\varepsilon}$ | E a. d. |
| 1480 | 8 Edward 7 . | 112 | $\begin{array}{lll} 1 & 0 & 0 \\ 1 & 0 & 0 \end{array}$ | $0 \text { I } 0$ | $1 \overline{0} 38$ | - | 二 |  |  |
| 1300 | 28 Edward I. | 11 2 | 103 | 0 1 4 | $1-$ | - |  | - |  |
| 1344 | 18 Eidwartilit. | 112 | $1{ }_{1} \quad 1.3$ | 013 | 1.0 | 23 54 | 1334 |  | $1 \geq 108$ |
| 1319 | 23 Edwart 111. | 11 \% | 126 | 0 0 13 | 188 | 2331 | 14 1t 0 | 0 (1) 8 | 13.39 |
| 1856 | 30 Edward 11I. | 112 | $\begin{array}{lll}1 & 5 & 0\end{array}$ |  | 15 | 2331 | 15000 | $\begin{array}{llll}0 & 6 & 8 \\ 0 & 5 & 8\end{array}$ | 1488 |
| 1391 | 18 Rlahard 11. | $11{ }^{1}$ | $\begin{array}{lll}1 & 5 & 0 \\ 1 & 5 & 0\end{array}$ | $\begin{array}{lll}0 & 0 & 10 \\ 0 & 0 & 10\end{array}$ | 11 5 91 <br> 1 5  | ${ }_{23}^{23} 31$ | 15 | $\begin{array}{lll}0 & 5 & 0 \\ 0 & 5 & 0\end{array}$ | 14.911 |
| 1401 | 3 Henry IV. | $11{ }^{11}$ | 1 1 | $\begin{array}{llll}0 & 0 & 16\end{array}$ | $1{ }^{1}$ | 2331 | 15 16 0 | $\begin{array}{lll}0 & 5 & 0 \\ 0 & 5 & 0\end{array}$ | 14911 |
| 1480 1185 | 9 \% Henry Vir. | $\begin{array}{ll}11 & 2 \\ 11 & 4 \\ 1\end{array}$ | $\begin{array}{llll}1 & 10 & 0 \\ 1 & 10 & 0\end{array}$ | $\begin{array}{lll}0 & 1 & 0 \\ 0 & 1 & 0\end{array}$ | $\begin{array}{llll}1 & 10 & 11 \\ 1 & 10 & 11\end{array}$ | $\begin{array}{ll}23 & 31 \\ 43 & 31\end{array}$ | $\begin{array}{lll}16 & 13 & 4 \\ 16 & 15 & 1\end{array}$ | 0 | $\begin{array}{llll}16 & 2 & 9 \\ 16 & 1 & 11\end{array}$ |
| 1164 | 1 Edward IV. | 112 | $1{ }_{1} 176$ | 0 | $1{ }^{1} 15{ }^{1}$ | ${ }_{23}^{23}$ | 20 | 2 210 |  |
| 1465 | 5 Fdward IV. | 112 | 1176 | $\begin{array}{llll}0 & 4 & 6\end{array}$ | $1{ }^{15} 4$ | 23 3. | $42 \quad 200$ | 1010 | 2110 |
| 1470 | 49 Henry V1. | 118 | 1176 | $\begin{array}{llll}0 & 4 & 0\end{array}$ | $1 \begin{array}{lll}17 & 10\end{array}$ | 23. | 22 100 | 0 | $21{ }^{2} 17$ |
| 1882 | zy Edward IV. | 118 | 1176 | $\begin{array}{lll}0 & 1 & 6\end{array}$ | 1184 | 23 5 | 24.100 | 076 | 21150 |
| 1483 | 1 Richard 111. | $11{ }^{2}$ | 1176 | 016 | 1181 | 233 | 22100 | 076 | 21150 |
| 1485 | 1 Henry VII. | 11 y | 1717 | 0 1 6 | 188 | 23.3 | 22 100 | 076 | 21150 |
| 1509 | ${ }_{18}^{1}$ Henry VIII. |  | llll |  | 1818 | 238 | $\begin{array}{llll} \\ 2 y & 10 & 10\end{array}$ |  |  |
| 1527 1527 | 18 Ifenry VIII. | $\begin{array}{ll}11 & 2 \\ 11 & 2\end{array}$ | $\begin{array}{llll}4 & 0 & 0 \\ 2 & 5 & 0\end{array}$ | 0 1 0 <br> 0 1 0 |  | $\begin{array}{ll}23 & 3 \\ 43 & 3\end{array}$ | $\begin{array}{lll}21 & 0 & 0 \\ 27 & 0 & 0\end{array}$ | $\begin{array}{llll}0 & 2 & 8 \\ 0 & 4 & 9\end{array}$ | \%2 00 |
| 1527 | 18 Henry VIIL. | - | - | - | - | 24010 | $\begin{array}{ll}25 & 2 \\ 2 & 6\end{array}$ | 0 ${ }^{1}$ |  |
| 1513 | 34 Heniy VIII. | 100 | $\begin{array}{lll}2 & 8 & 0\end{array}$ | $\begin{array}{lll}0 & 8 & 0\end{array}$ | $24^{4}$ | 230 | 29818 | 140 | 4680 |
| 1515 | 36 Henxy VIII. |  | $4{ }^{2} 880$ | 2 l | $2{ }^{2} 11$ 91 | 220 | 3000 | $y 200$ | 27810 |
| 1545 | 37 Henry VIII. |  |  | 440 | $\begin{array}{lll}9 & 15 & 6\end{array}$ | 80 | $30 \quad 0 \quad 0$ | 500 | 47100 |
| , 1547 | 1 Vdward VI. | 40 | $\begin{array}{lll}z & 8 & 0 \\ 3 & 12\end{array}$ | 410 | $\begin{array}{lll}2 & 15 & 6 \\ 9 & 15 & \end{array}$ | 400 | 3000 | 1100 | 31.80 |
| 1519 1551 | 3 Edward VI. | $\begin{array}{ll}6 & 0 \\ 3 & 0\end{array}$ | $\begin{array}{llll}3 & 12 & 0 \\ 3 & 12 & 0\end{array}$ | 400 | 219 24 | 220 | $34 \quad 00$ | 100 | 33000 |
| 1551 | ${ }^{3}$ Edward V1. | 110 | 300 | - | - | $23^{-31} 9$ |  | - |  |
| 1531 | 5 Edwaxd V1. |  |  |  |  | 420 | 33.30 |  |  |
| 15.54 | 6 Edward VI. | 111 | $3 \quad 00$ | 010 | $2 \begin{array}{lll}29 & 34\end{array}$ | 23315 | 36800 | $0 \begin{array}{lll}0 & 2 & \\ 0\end{array}$ |  |
| 15.58 | 6 Edward VI. | $1{ }^{-}$ | 0 | 01 |  | $2 y$ | $\begin{array}{llll}33 & 0 & 0\end{array}$ | $\begin{array}{llll}0 & 3 & 0\end{array}$ | $\begin{array}{llll}32 & 17 & 8\end{array}$ |
| 1560 | 2 Elizabeth |  | 30 |  | $\begin{array}{lll}2 & 19 & 61 \\ 2 & 18 & 6\end{array}$ | $\begin{array}{ll}2.3 \\ 2.3 \\ 24 & 31\end{array}$ | $\begin{array}{lll}36 & 0 & 0 \\ 36 & 0 & 0\end{array}$ | $\begin{array}{lll}0 & 3 & 0 \\ 0 & \mathbf{3} & 0\end{array}$ | 33008 |
| 1560 | 2 Ellirabeth |  |  | $-\quad-$ |  | $\begin{array}{cc}24 & 3 \\ 42\end{array}$ | $\begin{array}{llll}36 & 0 & 9 \\ 33 & 0 & 0\end{array}$ | $\begin{array}{llll}0 & 4 & 0\end{array}$ | $32 \quad 160$ |
| 1600 1600 | 43 Elizabeth | 112 | 320 | 020 | 300 | 2.3513 | 361010 | 1010 | - -0 |
| 1604 | 2 Jamea I. | 112 | 3 \% 0 | 0 2 | 219 | $\begin{array}{ll}21 \\ 24 & 0 \\ 42\end{array}$ |  |  | 33000 |
| 1626 | 2 Charles I. | 118 | $3{ }^{3}$ | $\begin{array}{lll}0 & 2 & 0 \\ & \\ 0 & 0 & 0\end{array}$ | $\begin{array}{lll}3 & 0 & 6 \\ 3 & 0 & 0\end{array}$ | 22 <br> 24 | $\begin{array}{llll}37 & 4 & 0 \\ 11 & 0 & 0\end{array}$ | $\begin{array}{llll}0 & 10 & 0 \\ 1 & 1 & 5\end{array}$ | $\begin{array}{llll}35 & 14 & 0 \\ 39 & 18 & 7\end{array}$ |
| 11666 | 18 Charles if. | 118 | y 0 | $0 \begin{array}{lll}0 & 0 & 0\end{array}$ | 3.20 | 240 | 14100 |  |  |
| 1717 | 3 lieorge I. | 11 | O | $0{ }_{0} 000$ | 0 | 240 | 46140 |  | $\begin{array}{llll}14 & 10 & 0 \\ 16 & 14 & 6\end{array}$ |
| 1816 | S6tieorke 111. | 11 | 360 | 040 | - | 220 | 46146 | - |  |

 exacily a pourd in wejpht. The seignorage on the coinngu was at the since been colned free of expense. A seignotage of $611-31$ per cent. was inposed on the colnage of silver by fought to the Mint hat avet

No. III. gives the num Scotch which weight of silve


No. IV. Scotc comnt of the $n$ pemmies Scotch

| A.D. |
| :---: |
| 1371, 8cc. |
| 1390, \&c. |
|  |
| 1456 |
| 1475 |
| (1488 |
| 1529 |
| 1536 |
| 1579 |
| 1597 |
| 1633 |

No. V.-The fo coined at the Mir

| Year |
| :---: |
| 1790 |
| 1791 |
|  |
| 1793 |
| 1794 |
| 1796 |
| 1797 |
| 1719 |
| 1799 |
| 1810 |
| 1801 |
| 1898 |
| 1803 |
| 1895 |
| 1805 |
| 1806 |
| 1808 |
| 1809 |
| 1810 |
| 1811 |
| 1812 |
| 2813 |
| 1814 |
| 1815 |
| 1816 |
| 1817 |
| 1818 |
| 1819 |
| 1820 |
| 1821 |
| 1824 |
| 1843 |
| 1 xyl |
| 1445 |
| 1846 |
| 1897 |
| 1848 |

No. III. Scotch Coins.-The annexed table of purity of such silver, or its fineness, from the gives the number of pounds, shillings, and pennies year 1107 to the year 1601 . (From Cardonnel's Scotch which have been coined out of one pound Numismata Scotia, page 24.)
weight of silver at different times; with the degree


No. IV. Scotch Coins.-The following is an ac-- one pound weight of gold; with the degree of count of the numiver of pounds, shillings, and their purity, and the proportion that the gold pennics Scotch which have been coined out of bore to the silver. (Cardonnel, p. 25.)

| A.0. | Anno Regrl | Finenese | Alloy | Valae of the Coin colned out of One Pound of Gold | Pound of Pure Gold welyhed of Pure Silver |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | on. dw. gre |  | lbs. oz. dw. gr. |
| 1371, \&c. | Robert 11. Roberi 11. | 111818 | $\begin{array}{lll}0 & 1 & 6 \\ 0 & 1 & 6\end{array}$ | 17 18 <br> 19 4 | $\begin{array}{ll:l} 11 & 179 \\ 11 & 27 \end{array}$ |
| 1124 | 19 James 5. | 121818 | 016 | 22 100 | 111178 |
| 1451 | 15 James II. | 111818 | 016 | 3360 | 98414 |
| $14: 56$ | 20 James II. | I1 1618 | 0 1 6 | 50.00 |  |
| 1475 | 16 Jamen III. | 1188 | 0 i 6 | 78150 | 1080 |
| 1484 | 24.James I11. | 11 1818 | $\begin{array}{llll}0 & 1 & 6 \\ 0 & 1 & 6\end{array}$ | 78 16 0 | $\begin{array}{llll}10 & 3 & 7 & 9\end{array}$ |
| 1488 1549 | 1f James IV. | $\begin{array}{llll}11 & 18 \\ 11 & 18 \\ 18\end{array}$ | $\begin{array}{llll}0 & 1 & 6 \\ 0 & 1 & 6\end{array}$ | $\begin{array}{ccc}78 & 15 \\ 108 & 0\end{array}$ | $\begin{array}{lllll}10 & 5 & 7 & 9 \\ 10 & 5 & 7 & 9\end{array}$ |
| \$5.56 | 14 Mars | 110 | 100 | 1440 | $\begin{array}{llll}10 & 5 & 8 & 6\end{array}$ |
| 1.567 | 10 James V1. | 11.0 | 100 | 4400 | 10888 |
| 1579 | 13 James V1. | 10100 | 1100 | 21000 | 11.5020 |
| 1597 1601 | 31 James VI. | 11100 | $\begin{array}{llll}1 & 0 & 0 \\ 1 & 0 & 0\end{array}$ | $\begin{array}{lll}360 & 0 & 0 \\ 432 & 0 & 0\end{array}$ | $\begin{array}{lllll}12 & 0 & 0 & 0 \\ 12 & 0 & 0 & 0\end{array}$ |
| 1633 | 9 Charlen 1. | 110 | 100 | 49200 | 1384811 |

No. V.-The following is an account of the valae of the gold and silver coins, specifying each, coined at the Mint, each year since 1790 :-

| Year | Gold colned | Silver colned | Year | Gold coined | Silver colned |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | d. |  | 9,146.75 if ${ }_{6}$ | ${ }_{\text {f }}{ }^{\text {at }}$ d. |
| ${ }_{1791} 790$ |  | , | 1829 1830 |  | $108,2.59$ 1,51 16 16 |
| 1799 | $\begin{array}{llll}2,155,566 & 17 & 6 \\ 1,171,163 & 0 & 0\end{array}$ | 4 $\ddot{5} 176$ | 1831 | $\begin{array}{r}2,387,489 \\ 587,949 \\ \hline 14 \\ \hline\end{array}$ | 33,696 168 |
| 1793 | $\begin{array}{llll}4,747,430 & 0 & 0\end{array}$ | - | 1839 | 3,730,757 lz 6 | 14540 |
| 1794 179.5 | $\begin{array}{r}2,356,394 \\ 493,416 \\ \hline 14 \\ \hline\end{array}$ | צ93 1111 | 1833 | $\begin{array}{r}1,225,269 \\ \mathbf{6 6 , 9 4 9} \\ 12 \\ 12 \\ \hline\end{array}$ | 432,785 140 |
| 1796 | 461,580 2 6 |  | 1835 | 1,109,718 810 | 146,665 + 0 |
| 1797 | 2,000,297 ${ }^{2}$ 5 0 | . | 1836 | 1,787,782 5 | 497,71940 |
| 1798 | 2,967.504 130 | . | 1637 | 1,453,088 8 | 75,38.5 10 |
| 1799 | 449,961150 | $\cdots$ | 18.38 | 2,855,364 150 | 174,01900 |
| 1800 | $\begin{array}{lll} 189,9.37 & 2 & 6 \\ 450,212 & 2 & 0 \end{array}$ |  | 1839 1840 | 301,310 143 | $\begin{array}{llll}390,651 \\ 207 \\ 0000 & 0 & 0 & 0\end{array}$ |
| ${ }_{1}^{1801}$ |  | $\begin{array}{lll}53 & 7 & 1 \\ 69 & 0 & 0\end{array}$ | 1840 1891 | 378,472 100 | $\begin{array}{rrr}207,900 \\ 89,611 & 0 & 0 \\ 10\end{array}$ |
| 1803 | 396,444 126 | $72{ }^{68} 8$ | 1892 | 5,977,051 is 2 | 192,852 0 |
| 1805 | 718,396 17 6 | 7710 | 1843 | 6,607,819 10 0 | 239,580 00 |
| 1805 | 51, 668 <br> 405,105 <br> 15 <br> 18 | 18218 0 | 1844 | 3,563,949 76 | 610,63* 00 |
| 1806 | 405,105 150 | 108100 | 18.85 | $4,241,608$ <br> $4,304,911$ <br> 17 | $\begin{array}{llll}647,658 \\ \mathbf{5 5 9}, 548 & 0 & 0 \\ \mathbf{0}\end{array}$ |
| 1808 | 371,74i ${ }^{\text {a }} 0$ |  | 1817 | $5,158,4410$ | 123,730 00 |
| 809 | 498,916 110 | 148140 | 18.18 | $9,451,999101$ | 35,442 0 \% |
| 1810 | 316.935136 | 120180 | 1899 | 2,171,9.55 1 | 119,592 00 |
| 1811 1812 | 312,863 36 | 3\% 140 | 1836 1851 | $\begin{array}{llll}1,491,836 & 17 & 9 \\ 4,400,411 & 4 & 9\end{array}$ | $\begin{array}{ccc}129,096 \\ 87,868 & 0 & \mathbf{0} \\ \mathbf{1 8}\end{array}$ |
| 1915 | 519,789 36 | 89 is 0 | 1858 | $8,712,2701211$ | 189,596 127 |
| 1814 | 310,72 | 16140 | 18.5 | $11,952,391$ है 11 | 70154114 |
| 1815 | . |  | 1859 | 4,152,183 6 | 140,180 81 |
| 1816 |  | 1,805,2916 46 | 1853 | 9,008,663 96 | 195.510 196 |
| 1817 | 4,275,3,37 100 | $\begin{array}{rlrl}4,436,497 & 12 & 0 \\ 376,479 & 0 & 0\end{array}$ | 1856 1857 | $6,00 x, 114$ <br> $4,859,860$ | 462,529 ${ }^{373} \mathbf{0} 000$ |
| 1818 1819 |  | 1,467, 474120 | ${ }_{1858}^{1857}$ |  | $\begin{array}{lll}373,230 & 0 & 0 \\ 445,596 & 0 & 0\end{array}$ |
| 5820 | 919,516 0 10 | 847,71740 | 1459 | $8,619,509156$ | 647,064 0 0 |
| 1821 | 9,520,758 1310 | 435,68600 | 1860 | 3,121,708 100 | 218,403 70 |
| 1822 | 3,356,787 126 | 31.43071 | 1861 | $8,190,17090$ | 209,481 0 O |
| 1823 | 759,748100 | 285,271 <br> 249 <br> 16 <br> 10 | 1862 | 7,836,413 15 ¢ | 148,5181110 |
| $1 \mathrm{lng1}$ | 4,065,075 00 | $\begin{array}{llll}242,070 & 16 & 0 \\ 117,535 & 16 & 0\end{array}$ | 1863 1864 | $\begin{array}{llll}6,6017,456 & 5 & 4 \\ 9,535,597 & 17 & 8\end{array}$ | 161,179 535,194 00 |
| 1926 | 5,N96,461 78 | 608,605 160 | 1 1865 | ¢, 367,614 ¢ 1 | 501,732 0 0 |
| 1847 | 2.517 .636176 | 33,019 160 | 1866 | 5,076,676 140 | 493,116 it 0 |

Nos. VI. and VII. Gold and Silver Coins of puted according to the mint price of gold in different Countries.-Tho following tables con- England, and from assays mado both at London tain the assays, weights, and $\because$ alues of the prin- and Paris, which have been found to verify each cipal gold and silver coins of all countries, com- other.
VI. Table showing the Legal Weight, Fineness, and Value of the Principal Gold Coins of all Countries. computed at the English Mint Price of 31.17 s .10 fd . per Ounce of Stcndard Gold.

VII. Talle

Auatines -

Balotum -
Bearil
Demanz
Frake:

Gazar Britalk
$\underset{\substack{\text { Japan } \\ \text { iatico }}}{ }$

Porfuoaz

Rona
Iic. Th A M
Srain
VII. Talle showing the Legal Weight, Fineness, and Value of the Principal Silver Coins of all Countries computed at the Rate of 5s. 2d. per Ounce of Standard Silver.


COINS
VII. Table showing the Legal Weight \&c. of Silver Coins-continned.


Monetary Convention.-The following is a transIntion of the Monetary Convention recently concluded between France, Belgium, Italy, and Switzerland :-
P'reamble.-His Mnjesty the King of the Belgians. his Majesty the Emperor of the French, his. Majesty the King of Italy, and the Swiss Comfenteration, being equally desirous of establishing a more complete harmony between their monetary legislation, to remedy the inconveniences which press upou the communications and transactions between the inhabitants of their respective states in consequenco of the dlyerse values of their coinel moneys, and to contribute by the formation of a Monetary Union to the progress of uniformity in weights, measures, and curreney, have resolved to conclule a convention to that effect, aud har agreed upon the following articles :-

Art. 1. Belgium, France, staly, and Switzerland are constituted a Union as respects the weights, values, form, and curreney of their respeetive coinages in gold and silver. No change is made at present in the legislation relating to the copper money of each of the states.
Art. . The high contracting parties engage not to coil, nor allow to be coined, bearing their impressious nod designs, any gold moneys in any other forms than those of grold pieces of 100 frames, 50 irs., 20 frs., 10 frs., and 5 frs., tixed as to weight, value, allowance for loss and diameter as fol-lows:-


They shall receive without distinction into their publie treasuries gold pieces coined according to the furegoing conditious in one or other of the four states, with the reservation, nevertheless, of excluding all coins whose weight shall have been reduced by wear to the extent of $\frac{1}{2}$ per cent. below the allowances mentioned above, or where the stamped impressions slatl have beeome effaced.

Art. 3. The contracting Governments bindthemsclves not to make, nor allow to be made, silver picces of 5 francs except according to the conditions of weight, stundarl, allowance, and diameter tixed as follows :-
$\begin{array}{ccccc}\text { Full weight } & \text { Allowance } & \text { Full Standard } & \text { Allowance } & \text { Dlameter } \\ 25 \text { grammes } & 5 & 500 & \frac{2}{100} & 37 \text { millimètrea }\end{array}$
They shall mutually receive the said coined pieces into their public treasuries, with the right of excluding those which shall have lost weight by
wear to a greater extent than 1 per cent. below the allowance above mentioned, or where the stamped impression shall have become effaced.
Art. 4. The high contracting parties henceforth shall not manufacture silver pieces of 2 frs.: 1 fr .. 50 centimes, and 20 centimes, except according to the conditions of weight, standard, allowance, and diameter as follows :-

| Descriptlon | Full welght | Allowance In welight | Full standard | Allowshre | Diameter |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | grammes | $\begin{gathered} 1000 \text { th } \\ \text { parts } \end{gathered}$ | 1000th parts | 1000th parts |  |
| ${ }_{1}^{2}$ | $\underbrace{\text { grammes }}_{10}$ |  |  | parts |  |
| $0 \cdot 50$ | 2.56 | 7 | 835 | 3 | 18 |
| $0 \cdot 20$ | 1 | 10 |  |  | 16 |

These pieces shall be recast by the Govermments that issued tha.a when they shall have become reduce by wear to the extent of 5 per ecot. below the nbove-mentioned allowance, or when their stamped impressions shall have become effaced.
Art. 5. The silver pieces of 2 frs , of 1 fr ., of 50 centimes, and of 20 centimes manufactured otherwise than according to the various conditions specificd in the foregoing article shall be withdrawn from cireulation before January 1, 1869. This period is extended until January 1, 1878 , in respect of pieces of 2 fr . and 1 fr . issued in Switzerland by virtue of the law of Jamary 31, 1860.

Art. 6. Silver picces manufactured according to the conditions of Art. 4 shall have legal currency among private individuals in the state which has manufactured them to the extent of 50 frs , in a single payment. The state which has issued them shall receive them from its own countrymen without any limit of quantity.
Art. 7. The public treasuries of each of the four countries shall accept silver moneys coined by one or several of the other centracing states in conformity with Art. 4 to the extent of 100 frs. in each single payment to such mentioned treasuries.
The Governments of Belgium, Franee, and Italy shall receive upon the snme terms natil January 1, 1878, the Swiss pieces of 2 frs. and 1 fr . issued by virtue of the law of January 31, 1860, and which are assimilated in all respects during the same period to pieces mamfactured in accordance with the conditions of itt. 4 The reservation in respect of wear mentioned in Art. 4 applies in all cases.
Art. 8. Each of the contracting Governments undertakes to receive back from indiviluals or from the public treasuries of the other states the old coinage which it has issued, and to exchange it for an equal value in current coin (gold pieces of 5 fr. pieces in silver) upon condition that the sum presentel for exchange shall not be less than 100 fis. This obligation shall be prolonged for a period of 2 years from the date of the expiration of the present treaty.

Art. 9. Has bo issued by e populations. Art. 10. Th stamped upon any of the fou
Art.11. ILas
between the st
Art. 12. The tion is reserve necept its oblig monetary systel to gold and sil
Art. 13. Has constitutional h to the executior Art. 14. The foreo uatil Janu that date notice been given, it sh for a further per aer for further p of notice.
Art. 15. Relate rention made in 1865.

Notes to the TC trinsic value of above tables ma accuracy, as in : standards are not
VIII. Gold Coins Principal Englund, ench other ${ }^{*}$ ** The publishers erixnsaliy appeared.

[^16]Art. 9. Has reference to the number of coins to whom a knowledge of the exaet value of gold and
be issucd by each state according to the respective populations.

Art. 10. The date of colnage shall hereafter be stamped upon pieces of gold and silver struck in any of the four states.

Art.11. Has reference to mutnal communications between the states as to their issue of coins \&c.

Art. 12. The right of acceding to this convention is reserved to any other state whieh shall accept its obligations, and which shall adopt the monetary system of the Union in whatever relates to gold and silver specie.

Art. 13. Has reference to the application of the constitutional laws in the four states with respect to the execution of this treaty.

Art. 14. The present convenuon shall remain in force until January 1, 1880. If one year prior to thot date notice to determine it shall not have been given, it shall remain obligatory in full foree for a further period of 15 years, and in like manner for further periods of 15 years in the absence of notice.
Art. 15. Relates to the ratification of this conrention made in four parts at Paris December 23, 1865.

Nutes to the Tables of Foreign Coins,--The intrinsic value of many coins enumerated in the above tables may not be stated with periect accuracy, as in some countries the legal mint standards are not strictly adhered to; but those to
silver coins is more particularly essential are not likely to be misled by it.

The statements (reports) of the purity of gold and silver coins by English assayers are made in comparison with the fixed English standurds, and the comparative difference is called their betteruess or worseness, as the case may be.
Betterness means better than standard, and is expressed by the letter 13; worseness means worse than standard, and is expressed by the letter W. Thus for a gold coin, 13 1. 2 means 1 carat and 2 carat grains better than standard gold, and consequently contains 23 carats ant 2 carat grains of f -ure gold and 2 carat grains of alloy.
For a silver coin, W 2.2 means that it is 2 oz . 2 dwts. worse than standard silver, and consequently contains only 9 oz . of pare silver and 3 oz. of alloy.
The fineness of gold and silver coin in France is expressed in millicmes or thousandth parts : thus a gold or silver coin of $\frac{95 n}{1000}$ fine means that it contains 950 parts of pure gold or siiver and 50 parts of alloy.
Nos. VIII. and IX.-As they contain much curions and useful information, we reprint the tables of the gold and silver coins of different countries from Dr. Kelly's Cambist, that appeared in previous editions of the Commercial Dictionary.

YIII. Gold Coins of different Countries.-Table containing the Assays, Weights, and Falues of the Principal Gold Coins of all Countries, computed according to the Mint Priee of Gold in Englend, and from Assays mude both at London and Paris, which have been found to verify each other.*

* $_{0}$ * The pullishers of thie work purchased the right to publish th: Table from Dr. Kelly, In the second edition of whose Combial it aiginally appeared.

- The London Assays in this Tahie were made by Robert Bingley, Esq. F.R.S., the King's Assay Masler of the Altut, and those at Paris bs Fierre Fredérle Honnevilis, Essayer du Counmerce, as published in his elaborate work onn the Coing of all Nations.
Sheecimens of all the Foredgn coins brought to London tur commerclal purposes have been supplied for th s Table from the nuilion Office, lank of England, by order ar the Hank irector4, and have been selected by Jothn llumble, Esq, the chaef clerk of that oftice, wha als, absars; and that all the cons putatione liave been earelilly verified ly dillerent calculators, -(Nute by Dr. Kelly to second edition of the
Combit, published in 1821 .) Cambiat, published in 1821.)

Coint
IX. Silver Coins of different Countries-continued.


- Hy one of the orticlea of the Znllverein, or Customs-Union of Germany, It was stipulated that the settlementi for the dutles should be nate elther In Hrasian dollary or in llorins, at the rate of 7 llorins for itrusslan dolliars, There were, however, no torins in extstenco exaclly of this ralue; but as the nearest approich to fe was a ratuation called tho 21 puldenfu
nominally reck oned to be in this rate, though the diflerence ainouats to more than 2 pur cent
 mintel or valued in 20 guldenfuss an increased vatue ot one-hfth, as rating the 20 lreutzer plece at it kreutzers, it iUd. per ounce wian-

 thorinu of Nuxtrla, and nlso 60 lire Auseriache of Lombardy, to be of this amount.
tian was entered Into on August 25 , 1837, amonk the Sitates forming the Unlon, their adhering to this mode of valuation, a money conven shmild he adopted for their coins, under the term of Suddeutacher Ws hruig, or South German raluation, at the rate of 2df gulden or fhorina frytf the mark wright of ane ailver.
'Bayaria, Wirtenifiserg, Baden, and Saxony hare since lasued their coins at thls rate, and the other States of the Confederation are dolng of preparing to do the same. A mong thein Frankfort, in 1810 , be кon the mintage of coins if this value; and by a regulation of the Chamber soddrutecher Whrung from the bexinning of tha present year (184.3). One of these new and very exactly-mintel tlorins was assayed by

 for 101 , sterling.
-ith Frankfort was maile in compllance with the wivhes, of to sult the convenience, of one or mure of our leading houses In exchanke neko tiatims, hut more particularly because it is maintained, by many that the valuation of this rate is not merely nominaily. hat really, in $2 t$ puldenfuss. Thin la a point of no smalt imporennce to the commercinl warld, for had it Iwen so, the par of erchange wlith London would

 Tote, Brq., Aushor of 'The Cambist' to the Tinies.)
IX. Silver Coins of different Countries-continued.

* The Prusian cnins having been dehased at dilferent perioals, rary in their reporta.
t 'linin to the coin which is woligersally circulated minder the name of the Spmash dullar.
The sterling value of the foreign coing, la the foregoing tahles, has been computed from the assays as follows:-Let it be required to assign






Aucient Coins.-We subjoin, for the conveni- author is the latest and best anthority on the ence of such of our readers as may at any time have occasion to consult works in which reference is mate to ancient coins, the following tables of those that were prineipally current among the Jews, Greeks, and Romans. 'They are taken from the essay of the Rev. Robert Hussey, M.A., sometime Professor of Ecelesiasticul History in the University of Oxford. This

## sulject:-



$\mathrm{A}_{\text {Alimes }}$
COIR. A spe the husk of cocor ia water, the dry fibres is separat into yarn, and m deemed by some The goodness of the filanents, a yellow colour.
The following

## Greek Coins.



Money mentioned in the Gospels.


Talenl=60 $\mathrm{Minme}=3311.15$ 。

## Roman Money up to Augustus.

Copper.



Gold.

British India, according to the Report on Indian Products in the official Catalogue of the Great Exhibition of 1862:-

| Year | Quantity | Value |
| :---: | :---: | :---: |
| 1850-1 | tons | 21,634 |
| 1851-2 | 3,47\% | 11,694) |
| 18.59-3 | 2,917 | 17,303 |
| 18.33-1 | 4,213 | 2.5,611 |
| 18,54-5 | 3,606 | 27.0138 |
| 10.35-6 | 2,393 | 20,919 45,588 |
| 1×.57-8 | 4,267 | 33,181 |
|  | 4,575, | 36,4.35 |
| ${ }_{1}^{18.39-60-10}$ | 4, 52.5 | 41, 301 |

Coir cables are much used in merchant vessels, the eoir rope having been employed in India for ages. The rope is so light that it floats on the water; and according to Dr, Gilelirist a coir hawser ought to be kept in every vessel, since if a small hoat is attached to it, and let down when a man falls overboard, it gives him greater facilities for saving lifo than any other means. Fresh water is said to rot coir, inn the rope suaps casily in frosty wcather. Coir ropes are therefore unsuitable for low latitudes. The rope, however, in sea water and high latitudes is actually strengthened and rendered more elastic by exposure. Nothing, we are informed, can equal the ease with which a ship rides at anchor whose cables arc of coir.
Coir is used in England to a very large extent for matting and coarse brushes.
A cocoa nut sawn in two aeross the grain of the coir forms an excellent implement for polishing wood. (Ure's Dictionary.)
About $2,500,000 \mathrm{lbs}$. weight of coir are anminlly exported from Ceylon, principally to Calcutta and other ports in the East Indics. It is also prepared in the Maldive Islands, and many other places; and is very extensively used thronghout the Last. (Bertolacci's Ceylon; Bell's Commerce of Bengul; \&c.)
In 1866 we imported, chiefly from India and Ceylon, 10,820 ewts. of coir (fibre), valued at 18,3092., and 12,317 ewts. of cordage and cables of coir, valued at 20,6071 .
COLLISION (Fr. abordage), in a general sense, is the act of any two or more bodies coming forcibly together; but in commercial uavigation it means the shock of two ships coming into sudden and violent contact at sea, by which one or both may be more or less injured.
From the great increase of navigation, the risk of accidents by collision at sea has becu proportionally augmented; and it is, therefore, of much importance, 1 , to adopt such measures as may be most likely to prevent their occurrence; and 2 , to determine by whom a loss, when it does occur, should be borve.
In regard to the first and most essential of these objects, it is effected in part, at least, by whatever contributes to the general improvement and security of navigation, At common law, every master of a ship is bound to keep a proper watel

## COLLISION

344 at sea, especinlly in channels much frequested hy shipping, and to use evether vessels. But thie coming into contact with othimportant to be left matter has been fong the good sense and eare of wholly to depend on a siew to the securing of individuals; and with a view to the obviating of attention to the su ject, and unnoidably arise were the coufusion that wond a their own ideas with whipmasters left to follow have been laid respect to it, rules and regulat to be steered when down in regard to the cournes the signnls to be ships are passing the number and description of made during fogs, the the lights to be extin the Trinity House promuljarticalars. fin this sort; and though not in ltself gnted a rule of this sort; and though not in issen law, masters not conplying anamlike conduct, were held to be guitty of unseamanike con for the nud the owners were male resplar to those conconsequences. Regulations sime since been enacted tained in the Trinity rule The existing statute law on by the Legivhature. The existing stant Shipping the subject is c. 63.

The following are the regulations for preventing colisions at sen, appended to the apply to all ships dated January 9, 1863 , which aptries and places, belonging to the fritish jurisdiction or not:-Auswhether within British J BM Igium, Brazil, Bremen, tria, Argentime kepor, Bepublic of the Equator, Chile, Denmark I'roper, Bepulbic or the Harg, Hanever, France, Great Brita, ILayti, Italy, Luheek, MecklenIIawaiinu Istands, Iayti, Netherlands, Norway, burg-Schwerin, Moroceo, Nenssia, Moman States, Ohdenburg, Peru, Srug, Sweden, 'Iurkey, United Russia, Schleswig, Spain, Sweden, waters), UruStates (sea-going sh gully.

Preliminary.-Art. 1. In the following rules every steam ship which is under sail and not under stenm is to be considered a sailing ship; and every stem ship which is under steam, whether under. not, is to be consing Lights.-Art. 2. The lights
Rules concerning Lights.-Articles, numbered 3 , mentioned in the fond no others, shall be carried $4,5,6,7,8$, and from sunset to sumrise.
in all weathers, from steam ships when under weigh hall carry-.
shall carry- the foremast head, a bright white light, so
at. At the foremast head, a bright unbroken light fixed as to se of the herizon of 20 points of the compress; so fixed as to throw the light 10 points on pass; solle of the ship, viz. from right ahead to 2 points nbaft the beam on either side; and of such character as to be risible on a dark night, with a character as to be risible a distance of at least 5 miles:
b. On the starbuard side, a green light so constructed as to show an ul' ${ }^{\prime}$ rm and unbrokenl light over an are of the horizon of the light from right pass; so fixed as to the the benm on the starboard ahead to 2 points abarater as to be visible on a side; und of such a character asphere, at a distance dark right, with a
of at lenst" miles: c. On the port side, a and unbroken light over as to show an uniform 10 points of the compass: an arc of the to throw the light from right aliead so fixed as 2 points ab. ft the beam on the port side; and of such a ch.racter as to be visible on a dark of she with a clear atmosplhere, at a distance of at least 2 miles.
d. The said green and red side lights shall be fittel with inboard screens, projecting at least 3
the port aide shal with the wind the case in whic port side is close which case the 1 wav ; but if they or if one of them is to windward slip which is to

Art. 13. If tw end on or nearl collision, the hel that each may p

Art. 14. If tw so as to involve has the other on out of the way o
Art. 15. If tw ship, and the ot in such direction the steam ship: salling ship.

Art. 16. Ever another ship so slacken her spe verse; and ever go at a moderat
Art. 17. Live ressel shall kee mentioned vesse

Art. 16. Whe ships is to keep keep her course, tained in the fo
Art. 19. In o due regard mu gation; and duc special circumst ticular case ren rules necessary
Art. 20. Not any ship, or the from the cons lights or signnl look-out, or of $t$ may be require men, or by the
It may, how these nor any inflexible, or to safety of the sl and to master when by cloing may be in his it lie will run with B., who is to alter his cou fiet of one ma fanlt, is no re every means salety of his s and property e

The conditi take place diff merely accide stances beyon violence of the the ships toge to cither nart pable nesplige 3 , botli partie upon losses $g$ taken place the conclusion

With respe little apparer casioned by
the port side shall keep out of the way of the ship with the wind on the starboard side; oxcept in the case in which the nhip with the wind on the port side is close hauled and the other ship free, in which case the latter ahip shall ke ? out of the way ; but if they have the wind on the name side, or if one of them has the wind aft, the ship which is to windward shall keep out of the way of the ship which is to leeward.
Art. 13. If two shlps under steam are meeting and on or nearly end on so as to involve risk of collision, the helms of both shall be put to port, so that each may pass on the port side of the other.
Art. 14. If two ships under steam are crossing so as to involve risk of collision, the ship which has the other on her own starboard stle shall keep out of the way of the other.
Art. 15. If two ships, one of which is a sailing Ahip, and the other a stean ship, are proceeding in such directions as to involve riak of collision, the steam ship shall keep out of the way of the sailing ship.

Art. 16, Every steam ship, when approaching another ship so as to involve risk of collision, shall slacken her speed, or, if necessary, stop and reverse; and every steam ship shall, when in a fog, go at a moderate speed.

Art. 17. livery vessel overtaking any other vessel shall keep out of the way of the said lastmentioned vessel.

Art. 18. Where by the above rules one of two whips is to keep out of the way, the other shall keep her course, sulyeet to the qualitications contained in the following article.
Art. 19. In obeying and construing these riles, due regard must be had to all dangers of navigation; and due regard must also be had to any special circumstances which may exist in any partieular case rendering a departure from the above rules necessary in order to avoid immediate danger.
Art. 20. Nothing in these rules shall exonerate any ship, or the owner, or master, or crew thercof, from the consequences of any meglect to earry lights or signals, or of any neglect to keep a proper look-eut, or of the neglect of any precaution wheh may be required by the ordinary practice of seamen, or by the special circumstances of the ease.
It may; however, be proper to state that neither these ner any rules of the sort are to be regarded as inflexible, or to be followed at all hazards. The safity of the ship is the paramonnt consideration, and no master is justitied in abiding by a rule when by doing so he plainly incurs danger. $A$, may be in his proper course, but if by pursuing it he will run a great risk of coming into collision with B., who is upon a wrong course, he is bound to alter his course so as to avoid a eollision. The fact of one master being ignorant, careless, or in fault, is no reason why another should not use every means in his power to provide for the safety of his ship, and consequently of the lives and property entrusted to his care.

The conditions under which cases of collision take place differ extremely. Thus-1, it may be mercly accidental, or be occasioned by circumstances beyond the power of control, as by the violence of the wind or waves dashing or impelling the ships together, without blame being imputable to either party; or 2 , it may be owing to the culpable negrigence or misconduct of one party ; or 3, both parties may be to blame. In arljudicating upon losses growing out of collisions that have taken place under such different circumstances, the conclusions must also be very different.
With respect to the first class of cases there is little apparent difticulty: wherever a loss is occasioned by a storm, a fog, or other accidental
cirenmstance, withont any hame being ascribable to elther party, it wonlif appear to be equitable that it should be borne by the snfferer. And this principle having been embodied in the lioman Inw, was subsequently ingrafted into tlint of Engeland. (Mrrshall On Insurnnce, ch. xii., s, \%.) lint other anthorities, to whom the greatest deference is dur, eontend that the lows nrivimir from accidental collisions, however it may affect the parties, should be equally divided between them; and this, in fact, is the rile followed in most maritime states. (Ordonnance of $\{t i x\}$, lib. iil. tit. xil. art. 10 , with the observations of Vinlia.) It also is the rule sanctioned by the taw of Finglamd in cases where both parties are to hlame, but where the blame cannot be discriminated. Thone cases in which the blame is elearly aseribable to either party present no dithiculty.

The lending doctrines of the law of limgland with regard to collisions have been clearly and succinctly stated by lord Stowell. 'In the first place,' says his loriship,' a collision may lay pen without blame being imputnhle to either party, an when the losa is occasioned by a storm or any other vis mujor. In that case the misfortuice must be borne by the party on whom it harpens to light; the other not being respunsible to him in any degree. Secondly, a misfortune of this kind may arise where both parties are to blame, where there has been a wast of due diligence or of skill on both sides; in such a case the rule of law in, that the loss must be apportioned betw. an them, as luving been occasio. ied by the fanlt of both of them. Thirdly, it may happen by the misconduct of the suffering party only; and then the rule in, that the sufferer mist bear his own burden. Lastly, it may have been the fhalt of the ship which ran tho other down, amd in this case the imecent party would be entitled to nu entire compcusation from the other.' (2 Dodson's Admirulty Reporfs, 83.)
We may add that the rule of the equal division of the damage where both vessels are to blame has been, since Lord Stowell's time, fully recognised and tinally eatablished by a decision of the Honse of Lords on an appeal from Scotland.

Various authorities lave spoken di-paragingly of the rule now referred to, and have called it a judicium rusticornm. And it would, no doubt. be very desirable in cases of collision where both parties are to blame, that the neglect or colpability of each should be accurately determined, and the damages assessed accordingly. Jut from the ob)scurity in which such cases are almost always involved, and the contlicting testimony brought forward by the different parties, the diticulties in the way of this being done are usually quite insuperable; and it is better to alopt a rule which. though perhaps less equitable in principle, is fairer in its application than any other that could be adopted. (If its expediency there can, indeed, be no reasonable donbt. The obscrvations if Valin are, in this respect, quit c conclusive. 'C'étoit,' says he, 'le moyen le plus propre ir rendre les enpitaincs ou maitres tes navires extrémement attentifs à éviter tout abordage, surtout ceux des bâtimens foibles et plus susceptibles d'être incommodés par le moindre choe, en leur rendant teujours présent la craintr. de supporter la noitié du ilommage qu'ils en pourroient reccuoir. Et si l'on dit qu'il nuroit été phus simple et plus court de laisser pour le compte particulier d'un chacum le demmage qu'il auroit reçu, comme provenant d'un cas furtuit; In réponse est qu'alors les capitaines des gros navires n'auroient plus craint de heurter les bâtimens d'unc benucoup moindre force que le leurs: rien donc de plus juste que la contribution par moitié.'
(Commentaire sur I'Ordonnance de 1681, ii. 179, cal. 17315.)

In npportioning the inmage in cases where both purties have been in fault, the question occurs whether the dumage dono to the carco shall be taken into account or left out in the estimate on which the apportionment is to be made. This knotty point has been differeutly decided in difcorent conntries. Bit the rule which limits tho liability of owners to the value of the ship rnd freight applies to enses of damage by collision. [Owners.] For further ohservations on this curions and important subject, in addition to Vnlin mul the other authorities alrealy referred to, the ramer may consult the ehnpter on Collision added iv the late Mr. Justice Shee to his edition of Lorl 'lenterden's work On the Tatu of Shipping, nnd the chanter on the same subject in Maude and I'ollock's Treatise on the Law of' Merchunt Shipping.

Nuwher of Cullisioms at Sea.-A stntement lins been prepared liy Mr. John A. Rucker, underwriter, civing a classitication of the number of collivions it Nen, reported in Lloyd's Lists during the tive rears from 18.15 to 18.15 inclusive. It thence appears that the nunumt numbers were $603,664,699$, $6: 31$, and 565 ; so that there was ndecrease in 1849 , notwithstanding the increased trallic of that year. The total collisions of the five years mmonnted to 3,064. (Of these, 279 were cases in which a vessel was smak, run lown, or abandoned; 189 :/ere enses in which there was serious damage; 686 in which the dminage, nlthough less, was still considerable; and 1,910 it which it was only slight. The average of steamers in contact with stenmers during each year is aboust 11 ; of steamers in contact with stiling vessels nbout 37 ; of sailing vessels in conta't with stenmers 36 ; and of sailing vessels in contact with sailing vessels 533 . [Wasck.
COLOCINTIIS, COI,OQUINTIDA, or Bl'T. TER CUCDJMLER (Ger. kologuinten, coloquinten nufel; Dutch, bitter-nppelen; lír, colocpuintes; Ital. coloquintida; Span. coloquintidas; Arab. and Pers, llumzil). The produce of an nnamal plant (Cucumis colocynthis, Jinn.; Nnt. Order Cucurbitucear) growing in Turkey, Nubia, India, and other places, much resembling the cucumber in herbage. When ripe, the fruit is pecled and the pulp is dried in a stove, and in this state is brought to lingland. It is inodorons, light, spongy, white or yellowishwhite, and intensely bitter in taste. It is nn exceedingly powerful drastic cathartic. When it is !arger than a St. Michael's ornnge, and has black acute pointed ends, it is not good. (British Pharmacopexia, 1867; Ainslicis Mfateria Iulica.)

COLONILS-COLONY THADE. Chlonies are establishments founded on foreign countries ly individuals who either voluntarily emigrate from, or are forcibly sent albroad by, their mother country. The colomy trade is the trade carried on between colonies and their parent states.
I. Estanlisilment of Colonies.
II. Infidence of the Monoholy of the Colony Tiade.
III. Magitcde, Porulation, Trade etc, of Ba'tisil Colonies.-Disposal of Land in the Cobonies etc.
IV. Regulations under winch the Colony Trade is conducted.
V. Foheign Coloniles.

## I, Establishment of Colonies.

1. Greek Colonies.-Various motives have, in different countrics and ages, lod to the formation of colonics. Seneca has given, in a few words, $n$ very clear and accurate statement of the different
notives that indacel the ancients to found colonies 1 - Nec ounibus eadem causa relipruendi quarendique patriam fuit. Alios exchlin urbiom suarum, hostilibus armis elapsos, in aliena, spoliatos snis, expulerunt: Alios domentica seditio sulimovit: Alios nimia nuperfluentis populi frequentia, nd exonerandas vires, emisit: Alios pestilentia, nut frequens terrarum lintus, aut aligua intoleranifa infelicis soli ejecerunt: Quosdam fertilis ora, et in minjus landatie, fama corrupit: Alios alia canan excivit domibus suis.' (Cónsal. al Helviam, c. ti.) The Greck colonies of nutiquity seem to liave been clicelly founded ly citizens whom the violence and fury of contending factions forced to leave their native land; but they wero sometimes formed for the purpose of relieving the mother comitry of a redundant population, and sometimes nlso for the purpose of exteniling the sphere of commercial transactions, or of providlag for their security. The relations between the mother comntry and the colony depented, in n freat measure, on the motives which led to the establishment of the latter. When a colony was founded by fugitives forelbly expelted from their nucient homes; or when it was founded, as was frequently the case, by bodies of voluntary emigrants, who received no nssistance from, nimb were in no respect controlled by, the parent state, it was from the tirst independent; and even in those rarer cases in whieh the emigration was conducted under the superintendence of the parent city, and when the colony was protected by her power and influence, the dependence wns, mostly, far from being absolute and complete. The grent bulk of the Greck colonies were really independent states; and though they commonly regarded the land of their forefathers $w^{\circ}$ tillal respect, though they yiclided to its $\mathrm{ci}^{\circ}$ the place of distinction at public gnmes a ious solemwities, and ware expected to
em in time of war, they did so as allies only, on fair and equal terms, and never ns subjects. Owinir to the frecdum of their institutions, nad their superiority in the arts of civilised lite to the native inhabitants of the countries among whom they were generally placed, these colonics rose, in a comparatively short period, to a high pitel of opulence and refinement; nod many among them, as Miletus and Ephesus in Asia Minor, Syracuse and Agrigentum in Sicily, and Tarentum nul Locri in Italy, not only equalled, but greatly surpassed, their mother cities in wenlth and power.
2. Rumem Colonies.-The Roman colonies were, for the most purt, founded by and under the authurity of govermment; beinis intended to serve hoth as outlets for poor and discontented citizens, and ns military stations, or garrisons, to secure the subjection of the conquered provinces over which they were seattered. The most intimste political umion was always maintained hetween them and the mother eity. 'Their internal goverument was modelled on that of Rome; nud, while their superior officers were mostly sent from the enpital, they were made to contribute their full quota of troops and taxes, to assist in carrying on the contests in which the Repnblic was almost constantly engaged.
3. Sparrish Colonies,-The early colonics of most modern uations were fourded by private ndventurers, influenced either by the hope of gnin, ot by a desire to esenpe from religious persecution, without any wish to reliave the mother comintry of a surplos population a* to bridle subjugnted provinces. On their first institution, therefore, the modern colonies approached, though with some essential variations, more nearly to the Grecinn than the IRoman model; but the period of their
freedom w very soon in the me sipposed, those of th the sinnd lager!y pat in the view ing tho m excluslve countries ; aboriginal arts of civil mass fortul

The Span Ifter its dis the country golef and sily inlversally risilig com anstend of el which they II only to enrlel and defencel heir possessi he most exa mirend throu urers nrrived 'uquiry was, did, th'y rein comstry; if ne other quarter. dirertit is the porury writer of lirynaus, p Spanish colon principally be and silver nee soon exhausted accessive mwal 0 pour into th to the nuprodis of mining. made in this wi nllamed the et an appenrance counts of the ex After the gam actuated the side, the coloni agricultural at vast varicty Mexico and the extreme ri tageons situati ably well gov merease in wea and intolernnt and fettered a abuses and de were transferr The whole pro sidered as vest law or regula nature, affectin the Couricil o posed the king stop to tlescrib the colonists minuteness ; b fumish the me and proliable e capital offence forcigners: nn colollies ware each other, un vexations reg
freedom was of very limited duration. They were rery soon milyected to laws and regnlations framed In the metropolis, and calenjated, as war to be suposed, rather to promote its interests than those of the colony. At a somewhat later period the ivindation of colonial eatablishments was agerly patronised by most liur nean govermments, in the view of extending commerce, and of coriching the mother country by securing to her the exclusive possession of the market of diatant countries; and where, from the thinnens of the aboricimal poponlation, or their luferiority in the arts of civilised liff the colonists were cunhled to amas fortumes with, comparative rapidity.
The Spaniards who first reworted to imeriea after its discovery had no intention of settling in the country or of colonising it. The idea that gole and silver alone constituted wealth was then unlversally prevalent; and the bold nud enterprising companions and followers of Columbus, junteal of engaging in industrious undertakings, which they neither understond nor relished, sought only to enriel themselves by plundering the feeble mid defenceless natives of the gold and silver in their possession, and of the abundance of which the most exaggernted nceounts were immedintely sprend thronghout Europe. When nev miventurers arrived on an unknown const, their single enquiry was, whether it abounded in gold. If it did, they remained, for some time at least, in the country; if not, they immedintely set sail for some other quarter. Auri rubide sitis it cultura Mispanos diverfit is the expressive statement of a contemporary writer (l'etrus Martyrus, in the Nuens Orbis of Grymenk, $p$. 511 ). The slow progress of the Spanish colonies, after their first discovery, must principally be uscribed to this cause. The gold and silver acenmulated by the natives were very som exhausted; and the whill and energy of the successive swarms of adveuturers, who continued to pour into the country, were primeipally directed to the unproductive and generally rumons trade of mining. 'The few large fortunes that were made in this way. like the large prizes in a lottery, inthamed the enpidity of the multitude, and gave an appearance of eredibility to the fubulous accounts of the excessive productiveness of the mines. After the gambling spirit which had exelusively netuated the early adventurers had begun to subside, the colonists gradually betook thenselves to agrieulturni and commercial pursuits; mind the rast variety of valuable proluctions with which Mexico and the other Spanish colonies abound, the extreme richness of the soil, and their advantageous situation, would, had they been only tulerably well governed, have occasioned their rapid increase in wealth and civilisation. But a blind and intolerant despotism paralysed their energies, and fettered and retarded their progress. All the abuses and defects of the goverument of old Spain were trausferred to, and multiplied in, the colonies. The whole property of those vast regions was considered as vested in the crown of Spain; and every law or regulation, whether of a local or general nature, affecting their goverument, emanated from the Council of the Indies, in which it was sup)posed the king was always present. We cannot stop to describe the sort of regulations to which the colonists were subjected with any degree of minuteness; but we may notice n few of them, to furnish the means of judging of their general spirit and probable effect. It was, for example, mate a capital offence to carry on any intercourse with foreigners; and the inhabitunts of the different colonies were even forbidden any intercourse with each other, unless under the strictest and most vexations regulations. There were several arti-
cles, sutch as flax, hemp, and wine, whieit they were not permitted to cultisate; at the same time that the crown reserved to itself the monoproly of wait, tobncco, grupowder, and some other leas impritant articles. The alcavala, and other oppressive imposts, which had proved destructive of induntry in old Spain, were rigorously levied as well on the exports as on the imports of the colomes Nu situation of power or emolument conld be filled except by a native of old Spain. The Catholic religion was extalilixhed, to the exclusion of every other; and bishopm, thenes, and the Inquisition followed in its train: while, in orler still better to consolidate and atrengthen the foundations of this monstrons dewpotisni, the government endenvoured to make the colonists inseusible of their degralation by proceribing every spectes of instruction, and watchfully opposing the introduction and progress of all insetill knowledge!

Linder such cireumatances we cannot be surprised that the Continental colonists, among whom the monopoly system was maintained in its greatest purity, should have languished for abose two centuries in a state of sluggish lunctivity. 'Thourh surrounded ly all the means of producing wealth, they were not generally wealthy: Oppression rendered them hidolent, and went far to deprive them not only of the power, bit also of the wish, to emergo from poverty. The progress of the colonists who recupied the West India islands was not quite so slow. It is certain, howeser, that down to the middle of last century Spain reajed no greater advantage from the possession of Cubn, Ilispaniola, and Porto lico than England or France from the smallest of its dependencies. In proof of this we may mention that the noble i-land of Cuba, which conld without dithenlty supply all Burope with sugar, did not in 1750 produce a suthicient quantity even for the consumption of old Spain. 13ut the combined inthence of an arbitrary nad Intolerant government and of a degrating superstition could not balance the means of improvement which the fertility of the soil, and the command thence arising over nust of the necessaries and many of the conveniences of life, gave to the colonists. Owing also to the total ineapacity of old Spain to furnish her Tramsatlantle provinces with a suthicient supply of the articles she had forced them to import from Einrope, and the consequent extension of the contraband trade carried on with them by the other European nations, she had been compelled gradunlly to relax the severity of her commercial monopoly. A new impulse was thas given to the xpirit of industry. The colonists began to be more sensible of the natural adrantages of their situation, and less inelined to submit to the blind and bigoted policy of the spanish court. In 1781 a rebellion broke ont in Peru, in consequence of an attempt made by the Goveriment to establish $n$ new monopoly in that province, which threatened to end in the total dissolution of the conncetion between Spain and South America, and was not quelled withont great diftienly and much bloodshed. But the spirit of liberty, when once excited, could not be suppressed. It continued to wain ground progressively, until the commencement of the late contest between France and Spain interrupted the communication with the mother country, and gave the colonists an opportunity of proclaiming that independence which, after a lengthened and bloody struggle, they happily succeeded in achieving.
4. British Colonies.-Tiue English, who, like alt the other nations of Europe, bad been impressed with mingled feelings of admirntion and envy by the extent and importance of the acquisitions
mado by the Spaniards in the New World, speedily entered with enthusiasm and ardour into the carcer of discovery. Owing, however, to the bull which Ferlipand and lsabella uad obtained from the Pope, conveying to them the amplo donation of all the countries inhabited by inflidels that the Spaitiarls had discovered, or might diseover, the Eaglish, to avoid encroaching on the dominions of their rivals, directed their efforts farther to the north. Several attempts to found colonies on the coast of America were made in the reign of Eliznbeth by Sir IIumphrey Gilbert, Sir Riehard Grenville, Sir Walter Raleigh, and oihers. But in consequence of their ignorance of the country, the defficiency of their supplies of provisions, the loss of time in fruitless searches nfter gold, and the various difficulties incidnnt to the first settlement of a colony, none of thes aitempts proved successful: and it was not until 1607 that a small boly of adventurers founded the first permanent establishment of the English in America, at James 'Town in Virginia. Letters patent were granted in 1609 by King James to the principal persons, resident in London, by whom the expense attending the formation of the colony was to be defrayed, incorporating them into a company, and establishing a council in England for the direction of 'heir proceedings, the members of which were to le chosen by, and removible at the pleasure of, the majority of the partners of the company; permitting whatever was necessary for the suppert and sustenance of the colony tor the tirst seven years to be exported free of duty; declaring that the colonists and their descendants were to be secured in all the rights and privileges of Englishmen, the same as if they had remained at home, or been born in England; and reserving only, as the stipulated price of these concessions, and in imitation of the policy of the Spmaiarls, one fifth part of the gold and silver ore to be found in the colonies, which was to be paid to his Majesty and his suecessors in all time to come. In virtue of these powers, the company issued in 1621 a charter or ordinance, which gave a legal and permanent form to the censtitution of the colony. By this charter the supreme legislative authority was lodged, partly in the governor, who hell the place of the sovereign, partly in a council of state namet by the company, and partly in a general council or asserably composed of the representatives of the people, in which were vested powers and privileges similar to thase of the IIense of Commons. It was not long, however, betore the king and the company (utarrelled. The latter were in consequence divested of all their rights, partly by open violence nud partly under colour of law, without compensation, after having expended upwards of 150,0001 . infounding the colony; and a goveruor and council of state appointed by the king succeeded to the powers of those appointel by the committee. (Robert son's History of Americu, book ix. passim; Jettierson's Notes on $V^{\prime}$ irginia, p. 179.)
The founders of the colony in Virgrinia had been actuated solely by the hopes of gain; but the colonies that were soon after established in New Enyland were chiefly planted by men who fled from religious and political persecution. The form of goverument in the New England eolonies, though at tirst modified a good deal by the peculinr religious opinions entertained by the colonists, was in its leading priuciples essentially free. For a considerable period the colonists elected their own governcrs, coinell money. and exercised most of the rights of sovereignty; while the English, wholly engrossed with the contest between freedom and prerogative at home, had no leisure to attend to their proceedings. Subse-
quently to the Restoration, however, the governments of most of the Now England states were established nearly on the same footing as that of Virginia; which, indeed, became the favourite model, not only for the constitution of the colonies escablished on the Cuntinent, with the exception of the proprietary governments of Pennsylvania and Maryland, but also for those that were establishes in the West India islands, But under cvery vicissitude of government and fortune the New England colonists were distinguished by the same ardent and enthusiastic love of liberty that had first induced them to quit their native land. Fivery thing relnting to the internal regulation and administration of the different colonies was determined, in the colonial assemblies, by representatives freely chosen by the settlers. The personal liberty of the citizens was well secured and vigilantly protected. And, if we except the restraints on their commerce, the monopoly of which was jeclonsly guarded by the mother country, the inhnbitants of Virginia, Pennsylvania, and Nêir Eugland enjoyed nearly the same degree of freedom, when colonists of England, that they now enjoy as citizens of the powerful republic of North Americn. Their progress in wealth and population was in consequence quite unprecedented in the history of the world. The white population of the celonics had increased in 1770, at the commencement of the revolutionary war, to above $2,000,000$, and the value of the exports from Great Britain to them amounted to about $1,300,0001$, ayear!
It is not difficult to discover the cnuses of the unexampled prosperity and rapid.growth of our North American colonies, and generally of sll colonies placed under similn circumstances. The North American colonists carried with them a knowlelge of the arts and sciences practised by a civilised and polished people. They had been trained from their infancy to habits of industry nad subordination. They were practically acquainted with the best nad wisest form of eivil polity that had been established in Europe; and they were placed in a situation that enabled them, without dilticulty, to remedy its defects, and to try every institution by the test of utility. But the thimness of the aboriginal population, and the consequent facility of obtaining inexhaustible supplies of fertile and moccupied land, must certuinly be placed at the head of all the causes which have promoted the rapid increase of wealth nud population in the United States, and in all the other colonies both of North and South Ameriea. On the first foumdation of a colony, and for long after, ench colouist gets an ample supply of lond of the best quality; and haviug no rent, and scarcely nuy taxes, to pay, his industry necessarily becomes exceedingly productive, and he hns every means, and every motive, to amass capital. In consequence he is eayer to cullect labourers from all quarters, and is both willing and able to reward them with high wages. But these high wages afford the means of aceumulation, and, joined to the plenty and cheapness of the land, speedily change the morr industrious labourers into proprietors, and cnable them, in their turn, to become the employers of fresh labourers; so that every class participates in the general improvement, and capital and populatior advance with a rapidity hardly concei vable in old settled and fully peopled counitries.
It has been frequently snid that the establisb ment of our American and West India colonia was a device of the supporters of the exclusive merenutile system-that they founded them in th veev of raisii:g up a vast agricultural popilatio



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 It to truis we hay rail our sagar celonios, and
 is an experiment whech dion and nature have
 po wrainmg syatem is forbidting men to lie preach whor: men wha by their necessities, the ir chmate. and their froductionts, are meanding in prepretial nevel of mutual asxistanco, ant ahbe tel sumply it.


We alan thanght fit tointeribiet the Winat Indians from the retiming, or, as it it teclumeally termerl, the chaying of sugars. Thas is one of the few manufactures that anighe be adsantageously see ups in the islambs. The prowesende chasider. able to the value of nugar ; and it mutht be carfeve on in the buidinga, and by the hands that are required to buil the came or io prepare the raw
 allowed to rethe their sugars on the spat, and where it might be done for a third part of the - reenoe that io requifol in Fingland the planters werp probitateal fomengageng in this brateh of imbustry, and whligent toexport alt their mugars, rubur raw of crualiel, to Eatant. Nuthing rombl - Wreat the oppressiveness of wheh regulation: and what is mont simglar, it has mot berol chinered. like mose regulations of the mort, in oriler to tralater uf any of the luating intcresta of the comotry, but merely to give a factatious emplonment to a were math class-that of the shane retheren, whose natioral residenee is in the Weat findies. "Ihe planters and morchants estimated (in $1 \times 10$ ) the

 Lovell withleawn.

The diztillation of spirita froms shgar, that uasol tu tre only encasimally, is new always allowet. 'The dutics having been aljuated so at to kive no alvantage to the phanters over the growers of barley, of to the later over the former, the diatillis bave lowallermited to distil indiscriminathely from matar, molasocs, or grath. It was the lunanes of lioverument to take care that the duthes annulit be marrangel as to the mo unfair adsatage to ose farty over another; but, having dune this, it combl, with propricty, do mothing auore. 'To prohitus distillation frosin magr, that a firced toarket may beonewed for grmut, or diatilhatom from grain, that a foresed mapket may bo
 dillt if industry, tur which no gemel reamell bas faen, hur, wo kilieve, can Ine assighed.
2. Mrhasmem of the Mongendy.-Hut thourh muthethong still remains to be done, it is nut tio $\mathrm{I}_{\mathrm{o}}$ thented that great progrese how been mate towaris the arloption of a sonned symetern of colonial proliey since loz2, when measures for the relaxathon of
the monopoly wire introndiced ly Mr. Wonthinsom

 the Jet filione IV. $\therefore$ III; and sine hiv time liv the 3 d. 1 Wim. IS. costh, and more reventy ly this is is Více. © I!, which come into operation ill the
 palal anveral of the probstitions that formerly existed aganat the importation of errain articlow utut ilie Wieat Indian culonies athl the Manritins, and they alwo cither repalol or very materially meduced the dutioe that were previonisly lail on ashers. For example, che barecl of American ur

 cases a muld hower duty. Mast ofline duties on
 portoma; athe rices, wamp, and limber, artioles if great importancer in the coloniess, which formerely faid high lintion, may liow low importenl duty fror. (sere post.) Wre licheve, interel, that it would ln . sonnif(n)licy tocarry atill farther this liberal ayatem.
 and all wher articles of provioim, lamaica and

 which, thowh sitnated at a listance from lingland, tadome to Englishmen, and are carrical on live Finghah capital. But the promute the proswaty of any manufacture without injury th eithera.
 as to give thowe rugatent in it the means of carpsing it on with the least mithy, and to kerp the
 numb mever wo may fall in the lant of these naansery roblitions, we have now but litale th reproach onrwelves with in regarl to the formers.


 tho late Act aft as meterate as can well be desirivl.

Formerly, though Smeriean and wher foreigen
 intu the Weat Indas alande without paying a daty of iss, a barrel, it might toe imported trice of duty into C'anada and one uther peranewaisus on the conitiment of S. Americo, and be thence expmeted in Ifrish shipes to ble islands free of iluty. In coleseyueber of this regulation a large preportion of the thour, lumber, aul others artieles reguireif for the suphly of the istands, instead of twing shiperal direet for them from New Orleama, Bahimore, ant other Ancrican part w, was abt in the tirst instaber to t'anala, whethe it was conveyed in liritis! whips the its thal destination. So that the intthenere of the duty was not sot muth tor ratian a reveruse, of to aw a marhet fur the thour, provisintw, and lumber of t'anala, ast thake the Hour atul other uremsanes supplied to thu colobuxa by the Vhited states be carred, at a howy

 for a fer thousami tous of llitish mat cohnial shipping! Bhe this propesteruhs aystem is happily at ans and. Americall thour is mow (Iatis) chargeril with a duty of ei conte per line llos. in ('anada; sud, inderpendenty of this, the duties on fureignt
 low to give any qucunagectuent to their indirect collveratice.

It was, however, not a litete singular, that white the laplerial hegialaturu hal bhum andeavoured, by repealing and tuwering the dutieven most articles of foreign piradaree to proside for the fintare promperisy ut the coloshem, the Iaghlature of Jamata should have pasect an . Dit imprsmy heave
duties on the ame articles. Juckilr, this im-

 (1) refuse bie avernt whoulit it be attompent th renem 8t. if to phifom ally amilar measure.


I i.r a lemgtiened jumal conereation was en-
 - masuequatel the traile of the colonien, and allowed ficm fortemit fuall the suarkets of the wotht, we wottonet out demathl fir colomal penaluce exclu-
 wamist wate complifind for take all that they wantol frums ue, it was but fair that we alomblit be
 nath whith they coud mityly un excluavely from them. Hut having lileratel them from this oldogation and farmitted them to mant to whatwes mathets they thonght moas a.lvantacerais, there was mestlor juatsce not poliory in nomtinatug
 Abris marketa. llise of all greashle cares, so that in
 If st toe nothe as no doubte st is that the plasiter of damaics abruldo of they derm it mant for thest


 manufactaper of tnecilant to low foreventeal from smperime moger from lini, flie llasathalh of lbatavia?
llaving dobse much to alwints protilousums - in cone nide. we ween lamised to do ac much fop their almiltacen unt the uetiore. Haviang depinied the merchante and mannfacturefo of the l'nieal Kirmithen of the motmenely of the colong marhet.


 Indery the albent and moos grahoun chefendet of the culowy syotern have alisnted that uthe bats of


 lant Shetlifiet. 'are as much ontuled to the marticts
 bithowe rithe former: and whewerer that monemedy



 athedent. Wo the well treista and promenity of the
 moure umpenance than that of the Weat Imilan nolonola, reev argument that han lars of that may le lounatal formard to ohew the impabry of ther ieatratats on the tswise of the lather algidios with tenford fote to then laid on the trate of the formber.

Iofluener of the Monafaty rin the simger. Timber
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 matise lcturn, that while the averach fithe of Jtpitoth mumuovadi, *unar durimg that jutual mat 41. lligef. |nt ewt., the averacie gitice of fiazal sugar


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 owi that cum un ilb. ligd., wherh, on the aversine yuastity compumed durnict the litere yeare reseremil to, wind liave laxti a thal eavish in tho ougle

 ancol to the free impurtation of Piblian absl ofler furrigh mikats, the jutice of the latter wombliane

 the iell from whoh sugar mav now ine hemalis we duslit whether thise eflect wombl have lewn lip *naitle. llut muproing that the oprening of :m.



Wr are, bowever. alall to say that thiop mpeot

 ja! mont of raminable dutiea, which ware pello. on tkit to the aatme level with thoer on limio.
 351 this came from one cutrouse to ancitior. consulerimg the dificulties under which the It Hols colousita are placed from the want of ander wos of compulary lalant, it may low deublated wheties liey wefe nest entitial to a reambable fis rimus ing duty in there favour.
The extrandinary prefrestice show $n$ to milet : augar wase on the whele, pinitatily tron uthem tatialive than that ahomis fis colonial timing. latter baving lacen, for a logighenel promel. a


 ever, the ditses enf forrigh thminer were petiams.

 havina treen put an the ame level in latis.
The experne of the rablentex in, almo a very hesty tiem un the national expersititure-far in.p. than to generally mupemet. Not cobly have trent aulyerteil thi dis nominating duties on buen artieles, that sumilar afturlog from the ruteme thathit enjor the monopoly of our marketa, hot or lase to ilefray a very large mum on anvur:! therir molitary and naval experditure. There of
 "f the expenime lout it is notwithatanding. ats dantly orrasin that fianala and the indando is $1 t .0$ Wret Indica coist ut antually, in milutary and nas cestlaye, upuanlo of a mathom onol a half in tuma
 and if toe thin heary expesioe be aditul the is arnhtumal auth their defene reato duping war debtat ande of a fairly draxn up cobomal bula*
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With the esception of the ombet which w. affurd to cmictatits (wlach, howeret, in pes great on that aftented liv the linitel vates
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 Nome, if mole all, of undr Weat India collositeo atre the name, no riearly the natme frevicameat.
 we mhould kann, taltiet than lome, by ponnof ...
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 - It," mathleal shethelt,' we hase but puretiant cur exparimer enticiently dear, bet he derive 4
 uatants, who, like un, ;urwueal ilo phatum 4 ruit has． ：thousht
fuerian eonqueat ami diatanf coloniaation，and

 mas bo truly callal an dimerionn content，woin－
 war of 1705 we incourral a further clolit of El，intiomme：and ly the war of the revolt wo
 trour Ahit thas we liave expembid a far larger
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Wir luge it will not to suppuspel，from anything nuw watest，flat wo consiller the foundation of
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 land an their indaatry，the inturforence excretad fiv the mothere comintras in their domenthe comerers． mbl the atformpen to govern amb enere thems after they have attamod to matarity．libery imlivilual

 manta may alrantageonaly interforetusutle tmi． L゙ronts in foreign conatrion，and when the sommest ｜aliev dietates the proprinty of their muptorting and frotectong them until they aro in a situations
 no question that furup has beren prombionialy bewntiond by the colonisation of Imernea．The colonints cirried the arts．the scirnces，the lan保解＂，and the religion of the noost civiliseal com－
 Event and oreat matural tertility，werupinel only liy a foer monfable savabes．＇The erspire of
 －Aconderd；and while the experience aflorateal liy the rase anl progfeen of conmumbuties placel mbeler such fubel čifumstancer has servel for eluoulate sut rewtilish many moot impurtant and funla－
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 fationt land of inturers．
that whatever may liave learn the advantages
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 Smercial in drestrutest，ame lwer indopendener




 eapital．and ohill．＂Iheo fow remasina of the ohd
 duration，Thejr misehievous ofreration is no longere timbtful，and they will divappear aceeplithe as the


＇I le volonisation ot Iuatralin will alun dontrabute
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 inhabitatits of w hich were still fewet in number
and mure larlarous than thome of America，is dea－
 thuriahing combunnitian：and whilo they froatrbe the dangenage amillorature，it is to be liopent that they may alou gurane the milit，liberal，ant tulerant
 ＊hondil ever tre thour proudest beast to have de－ wermlenl．
\％．Nharery，－Kince the phlilicasion of the firat motient of this work a vant chather hay lueen of fertorl in the condicion of wwity in fors Weat Imlia eolonies aml the Nauritius，live the almolition of slaverv，umler the frovinunns uf tho det is de 4


In the seronnl calitjon of this work．fulliwheld arent after the det for the almition of wasery hay
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 be indulpend til as to the future workinge＂f this meastre in the columios．Wa Indinve，forever， that thome wluthas contenfed that it wall not lno promberive of any fallmbe of in the dmbet ry of tly
 virw of the matter．Fiebl lalnuter in tho Wiat Inlies has lithortal lwen alwast awsematel with
 lash．The fat nefermer，conwignomely，ive that when the futters are strack off the slavis，and he is beft to frillow lita own inclinations，bo will tme lesimus of escaping from what he catsunt fal to eonabler an ignominious orempation．Nequsuity， no dombe，will prevernt him from becomang al－ togerther indolent：but the rffert will in this，as itl other inatances，hat propertioned to itn canse：and neceaity in tlan Weat Imlioa is very daterent foum neeravity in liurupa．Mient articleathat are here decrmal imbispersalila wisulil there be quative 111－ cumbrances；alli！I boan everratial to subuste＇noe may the fromered with leas，certainly，than half the la bour hitherto exactial from the waves．It anmes titure perion，prophap，whon the remollectinn of the it

 amonget them they may heeome more in！ustrons； the this is a devtant and a very uncertain prospere．
 declune in the underty of the maves，athl a pro－ prirional falline off in the exporta trum the Filames．

It will he worn，from the roturns tivell in a －ulemequene part of the article，that these anticipas－
 has been a mast extramelimary fallinif wif in the
 We are a menkl doal inure sooptical than formerly in

 unly as a medis lis which they may axepire an
 and it is all hut contrabcotory aml absurd en wip－ ｜wase flat a pepulation with fuw wantes ocruyting a subl of kerat natural fertility，Iving umblir a burnalg ann whieh antita for exertion，shombla

 wholly impasable expert under perobliar cirenas－
 pent plan，in tropinal ennmtries，by the anemey of really free labourers．Hayth furmerly the fisust ingurtant and proxinctivo of all tho angar colonies．


 and expersebce se＇sios to show that sombe wift oft Hualitieal slatery，ar，which is the satme thing，o：






















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a artemith abll cirlivensomi paeange fur the mafegen by whelo it is flocts menereal. lhat thangeh evirm, the
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Iher pruviner of Iteisish Colambia manmors
 and the l'asthe. The avroage lrealth of the ies




I'nest Imose Itrisali cichusitia finneal pars of the ecrifaty of the llutmon's Hay I mpaty the
 fretapo and rex-luelic right of tralle ta the rogita. Ifut th the ycar a great dimovery of gubl wa








-Massachtusets Hoston B.


OFIFCIAL SOURGES.
English Miles.


male here; and as seekers took place, i to protect life and pr ment. The trading Company was revok under $21 \& 22$ Vict. from 40,600 to 50,000 mitives.
Near British Colun ern boundary, is Van extreme length of 275 from 40 to 50 miles. port. The area is li, 000 sepuare miles rrected into a British is found here, it is ereat signiticance as yer's lsland is mon reaching 16,000 feet the climate, though that of southern Eng larourably with it. $186.518,000$, of whi Indians.
2. North-uest Ame to the above, we poss thyy, a tract of vast e Inspitable climato, a as hunting crounds. i. Janls of Newfomil latter being a depen their soil is barrent, fordy ; so that they bisling stations.
The fotlowiar table Cirenlar, exhibits the diffurent North Amer

| Colony |  |  |
| :---: | :---: | :---: |
| Cunadz - |  |  |
| Sew Brunswick |  |  |
| Prace Edward's Island New foundland |  |  |
| Sew foundland <br> hovascots and Cape Ireto Howh columbit and Vanco |  |  |
|  |  |  |
| Intmud. |  |  |
| Of the inhabitants o |  |  |
| fower than $518,565 y$ |  |  |
| frming what is calle |  |  |
| In Cpur Canada, on |  |  |
| tion is almost wholly |  |  |
| Number of Emigram |  |  |
| liritish Colunies in No |  |  |
| lear | Individuals |  |
| 143 | 8,741 |  |
| , | 12,818 | 184 |
| 127 | 12,614 | 18.1 |
| 102\% | 12,081 | 184: |
| 14.3 | 13,317 | 18 |
| 14.31 | 30,574 | 181 |
| $1 \times 31$ | $5 \times, 017$ | 1841 |
| ${ }_{\text {13, }}^{1 \times 3}$ | 6i, 6 \% | $181 ;$ |
| $\therefore 1$ | 28, 41661 | 18.8! |
| 1835 | 15, ${ }^{3} \mathbf{7} 3$ | 1s: |
| 1836 | 31,296 | 18.3 |
|  | 29, ${ }^{2}$ | 185 |
| in99 | 12,6,5\% | 185. |

Of these the great m for Lipper Canada. from the United King Information for Em bard of 'Colonial I nissioners' was appoi ommissioners, whose sitructions from the Colonies, and their pra nder three heads, viz. te superintendence
made here; and as a large immigration of goldseckers took place, it became necessary, in order to protect life and property, to establish a Government. Tho trading license of the IIudson's liay Company was revoked, and a colony established uader 21 \& 22 Vict. c. 99 . Estimated population from 40,600 to 50,000 , of whom all but 8,360 were matives.
Near British Columbia, and lying off its southarn boundary, is Vancouver's Island. It has an axtreme length of 275 miles, and a breadth varying from 40 to 50 miles. Its capital is Victoria, a free port. The area is estimated roughly at about [5,000 square miles. Vancouver's Island was prected into a British colony in 1859; and as coal is fonnd here, it is probably destined to be of reat simniticance as a trading station. Vanconyer's lsland is mountainons, the highest points raching $I 6,000$ feet. The soil is fertile, and the chmate, though of the same character with that of southern Fingland, nevertheless contrasts arvourably with it. Estimated population in W0.5 18,000, of which 10,000 were aborigrinal ladiann.
2. North-west American Colonies,-In aldition to the above, we possess the IIudson's Bay T'errithey, a tract of vast extent, but situated in an inhospitable climate, and worth very little except as hunting grounds. We also possess the large Wands of Newfonndland and Cape Breton, the latter being a dependency of Nova Scotia; but their soil is barren, and the climate severe and fory ; so that they are valuable principally as bisling stations.
The following table, taken from the Colonisation Gircular, exhibits the estimatel population of the diffrent North American colonies in 1867:-


Of the inhabitants of Lower Camala in 1814 no fowe that 518,505 were of French extraction, froming what is called tho Nution Canadienne. la L'per Canada, on the other hand, the population is almost wholly of British origin.
Number of Emigrants.-There enigrated to the Writill Colonies in North America in

| Year | Individusis | Year | Individuals | Vear | Individuats |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 123 | 8,\%it | $1 \times 10$ | 32,993, | 1855 | 18.986 |
| 1240 | ${ }^{12,518}$ | 184t |  | ${ }_{1}^{1856}$ | 16,388 |
| 14* | 12,0101 | 14.43 | 23,5,58 | 18 is | 9 , \% |
| 189\% | 21, 13,517 | 1841 1815 | 81, 31.984 | 1859 1850 | 6, |
| , 11 | 5, | 1816 | 13, 13.9 | $1 \times 61$ | 120: |
|  |  | 1817 | 109,6\% | (186.2 | 15,103 |
| $\cdots$ | 41, 160 | 1849 | 41, 467 | 3861 | ${ }^{2} 2.721$ |
|  | cismen | 18.50 <br> 1850 <br> 150 | 38,961 | (1863 | 17,241 |
| 1478 | \% | 1859 | 33, 3 \% 6 | 1st67 | 15, |
| (1939 | 4 4.6 | ${ }_{1 \times, 5}^{1 \times 3.3}$ | 31, ${ }_{4}$ |  |  |

Total emigration of the 45 years, 1 niel 5233 .
Of these the great majority have been destined fir Lpper Canada. (For the total emigration from the United Kingdom, see P.assengeis.)
Informution for Emigrants,-In Jamuary 1840, bward of 'Colonial Lamd and Emigration Comhisioners' was appointed. It consists of tharee mmissioners, whose proceedings are guided by ostructions from the Secretary of state for the Wonies, and their practical duties may be divided nder three heads, viz. the sale of colonial lands; t superintendence and promotion of emigra-
tion; and the diffusion of information in respect of the colonies.

1. 'The functions of the commissiomers under the lirst head do not extend to the North American colonies. The Crown having placed the revenue derived from the sale of their waste lamds at the disposal of the local Leginlatures, these bamds are, of conrse, dixposed of ly the antharities on the spot.
2. The board end avours, in as far as possible, to protect poor emigrants from imposition, allul from the effects of improvident arrangements on their parts, and takes care that the provisions of the P'assengers' Acts are duly carried out and enforced.
3. The board publishes from time to time such authentic information as they may receive on matters connected with the settlement of waste lands in the colonies, the prices of the principal articles of colonial produce, the wages of labour, and such other matters as may appear to be useful ti) persons who propose to settle in the colonies. They hkewise answr all applications trom intividuals, and atloril them, as tiar as may be in their power, such intormation as may be adapted to their particular cases. The otlice of the commissioners is at No. $x$, laark Street, Westminster. -Assistant-Secretary, IS. I3. Cooper; Eisq.
No pecmiary assistance is aftorded by Govemment to parties ilexirous of proceedin; to the North American colonies; and emigrants after their arrival no longer receive grants of land, that beinf, now wholly clisposed of in the way stated below.
But though (qovernment makes no gifts at the public expense to emigrants to North America, it maintains agents at the principal colonial ports, whose business is to protect emigrants from imposition upon their tirst landing, to aiquaint them with the demand for labour in different districts, to point ont the most alvantageons routes, and to furnish them with useful alvice upon the objects which they have had in view in emigrating, without making any charge for the same. R'ersons newly arrived should not omit to consult these agents, and shoudd avoid detention in the ports, where they are exposed to all k:nds of imposition, and pretences for keeping them at taverns till any money they may possess has been expended.
We subjuin a Table, extracted from the Colmisution Circular of the Emigration Commissioners, issued in 1868, showing the cost of a passuge to the ditlerent colonies. (See p. 356 .)
The converance of emigrants or passengers to part: "ut of Eurupe is now (1868) regulaten by the l'assengers' Acts of 18 ins and 1863, the 18 \& 19 Vict. c. 110 , ami $26 \& 27$ Vict. e. 51 , of which a full abstraet is given under the art. l'assengetiss. The following Order in Conncil has been issued umber the authority of the latter Aet.

1bstract of Ortler in Conncil (Jom. 7, 1864) for promotiny Oriler and Meath ger in Passemyer Ships to any of her Majesty's Possessions abroad.

1. Every passenger to rise at 7 A,m, unless otherwise permitted by the surgeon; or, it no surgreon, by the master.
2. Break fast from 8 to 9 A.M., dinner at 1 1.s., supper at 6 r.s.
3. The passengers to be in their beds at $10 \mathrm{p}, \mathrm{ar}$, except under permission of the surgeon, or if no surgeon, of the master.
4. Fires to he lighted by the passenger', cook at 7 a.n., and kept alight by him till 7 b.a.; then to be extinguished, unless otherwise directed by the manter, or required for the use of the sick.
5. The master to determine the order in which A A 2 British Colonics and the United States,


Charges fur Children. - The general practice in charging for children is, to compete them according to the Passengers' Act, vizortiunta, m to 12 years of ake, half the price of adnits; under , no charge.

* Hy steamer.
each passenger or family of passengers shall be entitled to the use of the tires. The cook to take care that this order is preserved.

6. On each passenger deek 3 safety lamps to be lit at dusk, and kept burning all night, and sueh turther number as shall allow 1 to be phacel at eneh of the hatchwnys used by the passengers.
7. No maked light between deek or in the hold to be allowed at any time or on any acconnt,
8. The passengers, when dressed, to roll up their beds, to sweep the decks (including the space ninder the bottom of the berths), and to throw the dirt overboard.
9. Brenkfast not to eommence till this is done.
10. The sweepers for the day to be taken in rotntion from the males above 14 , in the proportion of 5 for every 100 passengers.
11. Duties of the sweepers to be to clean the la ders, hospitals, round houses, and water-lowts, pump water into the cisterns or tauks for supply of the water-closets, to sweep whe dete after every meal, and to dry, holystone. and chyle hem after breakfast.
12. But the oceupant of each berth to see chis his own berth is well brushed out; and sing women are to keep their own compartment dat in ships where a separate compartment is allowd to them.
13. The beds to be well slonken nad aind deck, and the bottom boards, if not fixtures wix removel, and dry-serubbed and taken on ded of least twice a week.
14. Two days in the week to be appointed ty the master as washing days, but no clothe * any account to be washed or dried betweendew
15. The cleaned eve with water.
16. The sc kept open (w P.M. and the
17. On Su at 10 A.m., ; pear in clean chserved as admit
18. No spir buard by any covered to be er till the exp 19. No Jonse
19. No smok 21. All imna proper tiberties, sengers, biasph suage, or lang peace, swearing, disurderly, riotol coudnct, and als acts of uncleanl strictly prohibite
20. Fire-arnis, pons, as bon a haced in the eust *2. So sailurs among the passen 24. No passeng without specin! pe emain in the fore account.
Besides the sen proceeding to Cann means of paying $f$ have to make after cost of their journe the sitaation of th may tiud employm rionsly formed a wi Commissuuers hav mig llints to Emig Colonies:-

## Havts to EMigh

Chution to keep every British coli tract tickets, as othe why aceident fron the passengers, for as at the place named a difficulty in obtain muney, to which, in we cutitled.
Caution to provide after arriral.y been foumil to r assistance in the cold and they have no cl find that they should ment means of their Mreyance into the they land.
in Canada a Colo lief from tho Fmis of shekness mases of slckness To Twols,-It is not Et at agricultural labo ints of husbaudry, it the colonies; but ke such tools as ti
15. The coppers and cooking vessels to be eleaned every day, and the cistems kept tilled with water.
16. The senttles and stern ports, if any, to be kept open (weather permitting) from 7 A.s. to 10 p...., und the hatches at all hours.
17. On Sumday the passengers to be mustered at 10 A.m., when they will be expected to appear in clean and decent apparel. The day to be +burved as religiously as circumstances will admit.
18. No spirits or gunpowder to be taken on buard by any passenger. Any that may be discovered to be taken into the eustody of the masser till the expiration of the voyage.
19. No loose hay or straw to be allowed below.
20. No smoking to be allowed between decks.
21. All immorat or indecent acts or conduct, improper liberties or familiarities with the female passearers, blasphemous, obscene, or indecent language, or language tending to a breach of the peace, awearing, gambling, drunkemess, tighting, disorierly, riotous, quarrelsome, or insubordinate conduct, and also all deposits of filth or oflensive ats of uacleanliness in the between decks, are strietly prohibited.
22. Finearms, swords, and other offensive weapoas, as mon as the passengers embark, to be placed in the custody of the master.
23. No sailors to remain on the passenyer deek anung the passengers except on cluty.
U4. Xo passenger to go to the ship's cook-house without special permission from the master, nor to remain ia the forecastle among the saidors on any account.
Besites the sea woyage from Fingland, persons proceding to Canada should be provited with the ucans of paying for the journey which they may have to make after their arrival at Quebec. The cost of their journey must, of course, depend upmen the situation of the place where the individuad may timd employment, or where he may have previously formed a wish to settle. The Emigration Commissioners have (1868) published the following llints to Emigrants to the North American Colonies:-

## Ihnts to Emgrants to Bhitisit Nohth Amemea.

Caution to keep Contract Tickets.-Emigrants to every British colony ought to keep their contract tiekets, as otherwise, of the ship is prevented by any aceident from reaching her destination, or if the passeagers, for any other reason, are not landed at the place named in the tickets, they may have a difficulty in obtaining a return of their passage money, to which, in that case, they would by law be eatitled.

Caution to provide means for subsistence and transwort after arrival.-Many emigrunts having latterly beea fouml to rely on public funds for their *asistance in the colonies, they are hereby warned that they have no claim of right on such funds, and that they should provide themselves with snfficient means of their own for their subsistence and conveyance into the interior from the port where they land.
In Canada a Colonlal Law expressly prohibios chief from the Fmigrant Tax Fmal, excepiting in eases of siekness ou the part of destlitite emirants.
Touls.-It is not generally considered desirable Bat agricultural labourers should tahe ont implefints of husbandry, as these vint be easily procured the colonies; bur artlsms bite recommendel to ake suel tools as they may possess, if not very niky,

Time to arrive in North Ameria.-The best period is carly in May, so as to be in time to take advantage of the spring and summer work, and to get settled before the winter sets in.

Average Length of Passage.


By the Passengers' Aet, provisions nud water are, however, required to be laid in for the tirst 4 colonies for 70 days, and in winter time for 80 days; and for British Columbia for 182 days.
The water of the river St. Lawrence is stated to have a strong tendency to produce bowel comphants in strangers. It should at first, therefore, the drunk as sparingly as possible. Emigrants should also avoid exposure to the great heat of the sun by day; and the dews aud noxious vapours by night.
Maintenance on arrival \$c,-l’assengers are entitled by the Imperial Passengers' Act to be maintained on board in the same manner as churing the paswage for 48 hours after arrival, unless within that time the ship shonld quit the port in the prosecution of her voyage. As regards those bound to Quebee, the Canadian Passengers' Act, 15 \& 16 Vict. c. 86 [1ヵ52], imposes a. penalty on the master who compels passengers to leave before the expration of 48 hours (except in cases where the vessel has a mail contract), and provides that they shall be landed free of expense, and between 6 in the morning and 4 in the afternoon.

## Anvice to Emgiants ambiving in Canada.

All emigrants who wish to know the distance to any part of the province, the way to get there, what it costs, and the best places to find work, whould ask the Gevermment Emigration Oflicer (who will board the ship they arrive in), or else go to the Emigration Office, Old Custom IIouse Buildings, Quebec. Those arriving by steanter will land at Point Levi, where there is also a Govermment Otlice. Emigrants should not listen to the opinions or advice of persons hanging about the places of landing, whose business it is to make protit out of them. Many young females and unprotected persons have been deceived and suflered from acting on such alvice, For the betier jrotection and cousenience of emigrants desiring to wash their clothes and obtain information as to their future journey, temporary accommodation has been provided at the Government Emigration Wharf, Quebee, :rhere they will be allowed to remain for a period not exceeding 48 hours. Emigrants who go out to join friends or relations already settled in the country should go at once to their destination. Farm lubourers will get plenty of work in the farming districts. The chief agent will not assist any one who loses his time by staying in the eity, unless detnined by sickness or other good reason. Any ofler of work lad better be at once acecpted, even if the wages are not as much as the enigrant thought they would be, hecause, until ho gets lnto the ways of the country, he ls not of much nso to the farmer, and has a great deal to learn.

The same advice must be given to clerks, shopmen de., who are very little wanted In Canada, and have but a pour chance of emor yoment, and also to mechanles,
Aliy complaints if bitd reathent on the passage out shonid be madey jopoff Jindines, to the Chief Singration Ageni, wim will if Phel attend to them.

Chution,-Newly arrivel immigrants are frequently tempted by the promise of high wages held out by agents from the Uuited States to leave Cimada for the States, These promises should not be entertained without much caution and enquiry:

I'he l'rovincial Passenger Act, 25 Vict. e. 8 . provides that 110 person without a license shall influence passengers in favour of any particular steam-boat, railroad, or tavern. Tavern-keepers are refuired to have posted in some conspicuons place a list of prices to be charged for board, lodging de., and they are not allowed to have any lien upon the effects of a passenger for board and lodging beyond five dollars-abont one pound sterling.

Emigrants arriving at Quebec, holling throngh tickets for their inland transport, and desiring to obtain information, may delay their journey for that purpose, as the railway or steamboat company to whom they are addressed will take charge of their luggage mitil they are ready to proceed.

## Colonial Tax on Emigrants.

Cannda.-by a Colonial Law of Jume 30 , 18is, the eapitation tax is 5 s e currency, payable by the master, for every passenger over the age of 1 year: and no part of the tax is renitted on emigrints groing on to the United States. If enbarked, however, without the sanction of her Majesty's Government, ascertained by a certificate from an oflicer of oustoms at the port of cmbarkation, the tax is $7 s$, Grl. currency for every passenter.

Noxi Soota.-The limigrant Tax Act of 1850 was repealed by an Act (No. 9) passed April 18, 1856. No tax is, therefore, now payable in respect of emigrants arriving in this colony.
New huexswick.-The tax imposed on emifrants was for many vears ise ner licad; it was then reduced to $2 s .6$. id . ; and in 1861 it was entirely abolished by the Colouial Act, 21 Viet. c. 1.
lunce lepwant lat.and.-The tax now levied mader a Colonial Act, passed May 5.1851 , is 12 s . currene: (equal to abut 10s. sterling) on each emigrant pasconer arriving in the colony hetween the 1st of April and the 1st of October, but no payment is required for children unter 18 montlis old. The tax is increased to 18 s. currency if the emigrants arrive after the 1st of October. The master of the ship has to pay an additional tax if the vessel is put into 1 uarantine.
ln all of the colonies the tax is made payable by the master of the ship.
Newfocioland.-No emigrants' tax in this colony:
Personal Fiffects expmpr from Duty--Liva Canadian Aet (8 \& 9 Vict. c. 31), 'wearing ipparel in actual use, and other persomal effects not merchandise, implements and tools of trade of handicraftsmen used in the orcupation or employment of persons coming into the province for the purfose of actually settling therein, are exempt from enstoms' duties. A similar provision is in loree in New Brunswich.

Expense of erccting a log hut.-The cost of a log hut, sueh ats settlers usmally erect, may be stated at from 5\%. to about 121.; but when the chief part of the work is proformed by the emifrant himself, the cost is much less. These huts, if properly constructed, are very warm and comfortable.
Vaxcouver Island.-The expense of erecting a suitable dwelling for an agricultural labourer may be estimated at from $25 \%$ to 301.

The rent of a town lodging for mechanies and labourers is about 14s. per week.
Bratisi Coheumina.-The cost of such a builiing varies according to the rate of wages in the different parts of the colony; but a good hut can be luilt and fitted up by the immigrant at a cost of 101 or $15 \%$.

Value of the English Coins in Canarla.


In Upper Camada the Eaglish sixpence is generally called in retail dealings 'one York shilling' or a shilling; emigrants often believe one shilling sterling or curreney is meant.

Emigrants should bring their money in gold, silver, or good Bills of lixchange, lank notes are liable to heavy discounts.
Route for limigrants to Canada.-Dimigrants intendiug to settle in Canada will find it in all respects more advantageons to proeced by Quebec.

As there is often competition among the steamboat and railway companies at Quebee and the forwarding companies at Montreal, emigrants shouk exercise eaution before agrecing for their passage, and should avoid those persons who crowd on board ships and steam boats, offering their service to get passages \& c.

Fimigrants for Upper Canala should not banse at Quehee or Montreal, hut proceel at once on their jomrney. If, however, they require advele or direction, they should apply only th the liovernment $\boldsymbol{A}$ gents, who will furnish gratuitonsly all requisite information.
3. West Indis Colomies.-In the West Inties we possess Jamaica, Barbadoes, St. Lucia, Antigua Cirenada, Trinidad, and some other islands, exchsive of Demerara and Berbice in South America Jamaica, by far the larfest of our insular possessions, is about 120 miles in length, and 10 in mem breadth. containing about 2,800,000 aeres, of whith from $1,100,000$ to $1,200,000$ are supposed to be in cultivation. Being situate within the Tropic of Cancer, the heat in the West Indies is intense, but is modernted by the sea breeze which blows reqularly during the greater part of the day. The rains make the only distinction of seasons. They sometimes fall with prodigious impetuosity, ining birth to inmmerable torrents, and linving all the low comery under water; the trees ure green the whole year romul they have no snow, no fto and but rately some hail. The climate is ven! humid; iron rustm and corrodes in a very shut time; and it is this, perhaps, that renders the West lndies so undriendly to liuropran constitutions, and produces those malignant fevers that are so very fatal. The vegetable productions are numerous and valuable; but the sugar cane and the coffee plant are ineomparably more important than the others, and constitute the natural riches of the islands.
The West Indies are occasionally ussailed by the most dreadliul hurricanes, which destroy in a moment the hopes and bibours of the plantes and devastate entire islands. Whole tiedds of sugar cancs are sometimes torn up by the roots, houses are either thrown down or nuroofed, and even the heavy copper boilers and stills in the worls have, in numerous instances, been wrenched from the ground and battered to pieces. The rair pours down in torrents, sweeping before it every-
thing that caused by s produce a ve famine: and
the severity the severity: been materi? part of the at from the Uis Dominica as by a committ 15,000 negroe 1780 and the occasioned by importation if West Indies, Jamaica was and continued lfï5, when it Finglish. Alth than a eentury Spaint, such wa colowial system quered it, cont: these were imm the many valua after pronluced is altogether unkno such a supply on for the consump Spanislt settlers, ressed nume of the acpuainted even which, in civilised toits comfurt and, polished ly social education ; Lut pas Hor, cufechled by: They had been for greasive degenerat hom time have ex tors by falling vieti "f thrir slaves.' ( Crow, all.)
For a comsiterabl tained possession were conod, hides, liaiz the exports $11.409)$ lecreheads
 rum, aud 6,5\% bage was very injurious and the man inde frum its elliets, as lid to the chactmen inporiation of form very hurtful to the was visited by a me devastation oreasio dreadful fimine; a in the imnediately. 1787 in new :ura of vastation of St. Domi which broke out in 1 w years almost eut supply ot 115,000 hos and the Continent had to receive from that supply, by causing a and a tonsequent rise in the other islamis, x xension of coltiva respect was its inllo oll average of $t$ had prohnced only in 180! and 1802, up - 14:3,0000 a-year!
thing that comes in lts way. The destruction caused by such ireadfit seobirges actlom fails to prombee $\mathfrak{a}$ very ${ }^{\text {great }}$ searcity, and not anifequently famine: and we are grieved to lave to add, that the severity of tho distress has on several occasions been materially aguravated by a reliusal on the part of the authorities to allow importation dircet from the Enited States. Tlis was the ease at Dominlea as late as 1817 . It is stated in in report by a committee of the Assembly of Jamnica, that 15, 000 negroes perished between the latter end of 1880 and the beginning of 1787 , throurh famine oceasioned by hurrieanes and the prohibition of importation from the United States, (Lelwarls's Wrst Indies, vol, ii, 1. 515.)
Jamaien was discovered by Columbus in 1494, and continued in possession of the Spmiards till lhio, when it was wrested from then by the finglish. Althongh it lad thus been for more than a contury and a half under the power of Spain, such was the deadening influence of her colonial system, that it did not, when we conquered it, contnin 1,000 white inhabitant:a, and these were immersed in sloth and poverty. Ot the many valuable articles which Jamaiea soon after prodnced in such profusion, many were then alturether unknown; and of those that were known such a supply ouly was eultivated as was required for the emsimption of the inlabitnots. "The Sjanish settlers', says Mr, Mryan Eifwards, 'possessed none of the clegrancies of life; nor were they aequainted cven with many of those gratilications whicl, in cirilised states, ire eonsidered necessary to its comfort and convenience. They wereneither polisled by social interconrse, nor improved by elneation; but passed their clays in gloomy lanmor, enfeelbed by sloth, and depressed by poverty. They han been for many years in a state of progresive derencracy, and wonlel probably in a shat tine have expiated the guilt of their ancestors luv falling vietims thennselves to the venfeance uf their slaves, (Hist. West Iudies, vol, i. p. 29'7, Clo, ell.)

For $n$ cansilerable number of years after we abltaneal pessession of Jamaien, the chicf exports were cocod, hilles, and judigo. Fiven so late as 17\% the exports of sugar amounted to only 11.06) l:omsheads. In täd they had inereased
 tum, and G.itis bages of cotlee. The American will wis vary injurious to the West India settlements; and thes may, indeed, be said to be still sullering from its cllicts, as the independence of Amoricia for to the emactmont of those restrictions on the imporation of food, lumber $\mathbb{k} \mathrm{c}^{2}$. that were so very hurtial to the planters. In 1780 damaiea was visited by a most destructive hurricame, the devatation ocensioned by which produced it dreadfal famine; and other harrioanes folfowed in the immediately succecling vears. Jut in 1787 a new ara of improvenment began. 'The devastation of St. Domingo by the negro insurrection which lroke out in 17.92 tirst diminished, and in a lew vars almost entirely annililated, the ammal supply of 115,000 hogrshends of sugrar which Franed and the Continent had previonsly been acenstomed to receve from that islanl. This diminution of supply, he eatsing a greatly increased demaud for and a conserpuent rise in the price of, sugar raised in the othar islands, oceasioned an extraordinary extension of colltivation. So powerful in this respect was its mfluence, that Jamaica, whieh, at an averase of the 6 years preceding 1796, lad prantuced only 83,000 hogrheads, exported, in 1801 and 1802, upwardy of 286,300 hogsheads, (: 1 di, 000) a-year!
The same rise of price which operated so power-
fully in Jamaica, oceasiomed a similar though less rapid extension of cultivatiun in our other isfumls, and in Cuba, I'urto laico, and the tireign eobninies fonerally. 'The vacumm cansed by the cessation of the supplies from St. Domingo being thas more than filled up, a ruaction commenced. Theprice of sugar rapidly dechined; and, notwithstnuling a foreed market was for a while opened to it by substituting it for malt in the aistiliory, prises dial not attain to thrir former elevation. On the opening of the Continental ports, in 1813 and $1 \times 14$, they, indeen, rose, for a short time, to an extravarant height; but they very soon fell, involving in ruin many of the specnlators npon an atvanee. I'rices, however, continued at a pretty high lovel down to 1818 ; but they sustained a materinl full in the course of the thllowing year, and were comparatively low from that period down to kSis, when the extraorthary falling off in the supplies of sugar consequent on the mensures eommeded with the emancipation of the slaves, again oceasioned a considerable rise of priec. Sut, as alrealy sern, this high price was rutirely finctitious, being wholly eansed by onr exchuding foreign sugar trom our market. Now that the sugar of Brazil, Cita, nul Java is admitted on payinir reasonalibe duties, prices are comparatively low, And trom the exraordinary facility with which surar mav bo raised in the comntries referred to and elsewhere, we have no iden, provided tley adopt $u$ no rash or ill-adyised measure in relation to slaves, that its price in their markets would be likely to sustain any material or permanent increase, even thongh the demand for it were doubled or more, The imports of sugar from onr West lulian colonies, which amounted to $4,10: 1,800$ ) (wts. in 1831 ,
 amounted to $3,17 \%, 0.17$ ifo.
The devastation of St. Domingo fave the sane powerful stionulins to the growth of cotlee in the other Wrest Indian eolonios that it did to the rrowth of sugar ; amb owing to the extrardinary increase in the demand for coflee in this and otlier Europan comentrise the sulply weut on inereasing till it was checked by the inthomee of the measures relating to slavers, In $170^{2} 2$, tor example, only 60,(060) Ibs. of enffec were 'xported from damaica; in $17 \% 5$ the cxport amounted to 4.40 .000 lhs ; in 1797 it hate increased to $\quad 7,431,621 \mathrm{lbs}$; nud in 1832, when it hed atanned its maximum, tho exports to Englamd only amounted to $19,405,9 ; 3 ;$ bos. Such, however, nad so rapil has been their subsequent clecline, that in 18 is the exports to lingland frotn Jamaic: amounted to only *, $091,0,0 \% \mathrm{lbs}$, ant in $1 \times 66$ to $4.132,42,2 \mathrm{ln}$.

We have alrealy seen that when Inmaiea was taken from the Gbiniards, it unly contained 1 , ono white inlabitants. ln 1603 the population amoment to $\overline{4}, 68$ whites and 9.b0) shves. It would have been well for the ishand hat the races continned to preserve this ration to cach other but, unfortumately, the black population has increased more than 15 times as rabidly as the white; the latter haviner only inereased from 7.7 tio to 13,816 , while the turmer has incrensed from $(1,50 \cdot 1$ to abont $3 \cdot 16,3-1$, exclusive of persuns of colour, numbering 81,704.
'The real value of the exports to Jamaica amonnted in 1866 to $721,47 \mathrm{l} / \mathrm{g}$, beinf about $\frac{1}{3}$ of the exports to the West Indian colonies. It was formerly moch more; but then a larare portion of the articles sent to Jimatica, and some of the ether colonies, were only sent there as to an entrepot; heing subsequently exported to the Spanish main. During the ascendancy of the Spanisl dommon in Mexico and South Anerica, this trade, which was then contraband, was car-
ried on to a great extent. It is now much fallen off, and is principally carried on from St. Thomas and 1 louduras.

Jlarbadoes was the earllest of our possessions in the West Indies. It is the most casterly of the Caribbeo Islands; llridge Town, the capital, being in long. $54^{\circ} 41^{\prime} \mathrm{W}$. Isarhadoes is by far the best cultivated of all the West Indian islants. It contains about 105,000 acres, having (in 1861) a population of about 16,000 whites, 15,000 people of colour, and 120,000 blacks. Of late years it has exported from 500,000 to $\mathbf{7 5 0 , 0 0 0}$ cwts. of sugar. Barbadoes hat attained the aeme of its prosperity in the latter part of the seventeenth century, when the white populatlon is sald to have amounted to about 50,000 , though this is probally an exaggeration. lbut it is only as compared with itself that it can be considered as having fullen off; for, compared with the other West Indian islands, its superiority is manifost. It raises nearly as much food as is adequate for its supply.

The islands next in importance aro St. Vincent Gremada, 'lininidad, Antigua \&c. It is nnnecessary to enter into any special details with respect to them; their population and trado being exhibited in the annexed tables.

During the late war we took from the Dutel the settlements of Demerara, Berbice, and Essequibo, in Guiana, which were detinitively ceded to us in 181.1. The soil of these settlements is naturully very rich; and they have, in this respect, a decided alvantage over most of the West Indian islands. For a time their prosperity seemed to be on the decline. The export of coffec became scauty; that of cotton fell to nothing. Other countries were more favourably situated both as regarded labour and natural capaeity for these products. But to compensate these, the supply of sugar increased enormously, and the cultivntion of the canc, aided by the importation of coolie labour, became very successful. Daring the year 1866 the value of the exports of British Guiain to the United Kingrlom amounted to $1,689,81: 41$, of which sugar, in quantity $1,233,720$ cwt., was worth 1,320.760\%. and rum, $3,604,171$ gallons, was worth 286,354l.
Exclusive of the above, we possess the settlement of Belize on the Bay of Ilonduras. This is of importance, as affording a means of obtaining abundant supplies of mahogany; but it is of more importance as an entrepot for the supply of Guatemala nnd Central America with English manufactured goods.
The exports from this country to our West Indian colonies consist of coarse cottons, liuens, checks, hats, and other articles of negro clothing; iron and steel, wrought and unwrought; leather, including saddlery and larness; glass; beer and ale; soap and candles; stationery; hardware and eartheuware; staves, hoops, coal, lime, paint, lead; Irish provisions, herrings, and other salt fish; along with furniture, wine, beer, medicines, and, indeed, almost every article which a great manufacturing country can supply to one situated in a tropical climate, which lias very few mechanics and hardly any manufactures. Since the opening of the ports on the Spanish main to ships from England, the exports to the West Indies have decreased bothin quantity and value; this decrease being, however, more than balanced by the increased shipments to Mexico, Columbia de. The value of our total exports to the British West Indice and Guiana anoounted in 1865 to $3,006,5841$., and in 1866 to $2,968,670 l$, while in 1867 the exports of British produce alone to the same colonies were valued at 2,336,900l.

Money.-What used to be called West Indla currency was an imapinary money, and has a different value in different colonies. The value it bore, as compared with sterling money, was supposed to represent the corresponding value of the coins in circulation in the ditierent islands at the time the proportion was fixed: these culns being for the most part mutilated and otherwise worn and defaeed, curreney was in all cases less valuable than sterling. The following are the old values of 1001, sterling, and of in dollar, in the currencies of the different islands:-

|  | Merl. Curr. | Dh, Carr. |
| :---: | :---: | :---: |
| Jamaica | lav. $=1411$. | $t=1 / 2 . x d$. |
| Partadoee ${ }^{\text {Pindua }}$ | (0) $1 .=13.5$. | $1=6 a .3$. |
| Hindward lashands texce | $100 t=175 t$ | $\boldsymbol{I}=$ As. 3s. |
| Leew ard Ishinds | $100 \%$ = 200. | $1 \pm 159.10$. |

But latterly these currencies have been in great measure superseded by the introduction of sterini; money, current at the same rates as in England, and of the Spanish dollar.
lyy an order in council of Mareh 23, 1825, British silver money was made legal tender throughout all British colonial possessions, at the same nominal value as in England; and hills for the same are given on the Treasury of Lonlon, of 1001, each bill for $103 l$. such silver money. By this order, also, the value of the Spanish dollar was fixed at $4 s .4 /$. British silver money throughout all the colonies where it is current; bat this value was farther reluced on September 21, 1838, to $48.2 d$. The value of the doubloon was then, also, fixed at $64 s$.
4. Australian Colonies.-This group of colonies, though founded in a very distant part of the world, and at a comparatively recent epoch, will. probably, at no very distant period, surpass the others in magnitude and importance. The countrics in which they are situated, including the great Australian continent, formerly called Xew IIolland, with Van Diemen's Land or T'asmania. New Zealand \&c., are of vast extent, and differ in many respects from each other. The results of recent explorations seem to show that this great division of the clobe has no great rivers, or, at least, none that reach the sea. Indeed it seems, speaking generally, to be a law in this new worlh, that rivers are largest near their souree; and that they sradually diminish as they proceed, antl most commonly dwindle into insigniticance, or lose themselves in marshes, before they reach the oceaa.
In consequence, perhaps, of this singular constitution of its river system, it is found that in Australia the best land is not at the mouths, but towards the sources, of the rivers. There are, no doubt, exceptions to this rule; but it appears to hold in the greater number of instances. Generally, also, the extent of fine land appears to be comparatively limited; and in so far as the continental portion of the country hus been explored, it appears to be muel better allapted for pasturage than for tillage.

Gold Deposits.-But the land, the pasturaze, the sheep, the copper and other ordinary minerals, which are found in abundance in various parts of Australia, have all been rendered, for the present at least, of no importance compared with the gold deposits with which the continent is so largely endowed. These, which were discovered so late as 1851 , are of extraordinary richness. They equalled or exceeded in productiveness not ouly the gold fields of California, but every thing of which any idea could previously have been entertained. Australia, in consequence, became an olject of carnest and universal attention. An almost unparalleled amount of emigration was directed to her

shores. Ifer popula with gigantic stride Wages, the prices, an

Account of the Quantities and Computed Real Vithurs of Sugur. Mulisars, Rum, Cuffer, and Cocins Impurted into the United Kinglom from the West Indirs and British Giuiana during rweh of the under-mentioned 's Yeurs, ending with 1866.

shorcs. Her population and her trade inerensed (A License Duty of 30s. a month, charged on all with gigantic strides; and her gold influenced the individuals who engaged in the seareh for gold, was wnges, the prices, and the industry of every civi- much, and we think justly, objected to. We oblised people. [Precious Metais.] served in a previous edition of this work, 'that


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license daties are essentially unfair, except when they are proportioned to the extent of busiuess carrical on by those who pay them. lhat the business of the gold diggers is, to all intents aad purposes, $n$ lottery. So that while the tax presses with greatest severity on the great bulk of those at the "dipgings," it is hardly felt by the few who carry off the great prizes. The better plan would be to make the license duty next to nominal, and to impose a modernte enstoms' duty on gold when exported. The tax would then cease to be felt as a burden by individuals, while it would yield quite ns great a revenue to Government.' And we are glad to have to state that this course has been nearly adopterl. A duty of $2 s .6 d$. per oz. Jaid on gold when exported was in 1867 reduced in Victoria to $6 d$, per oz, and the export became free in that colony on Jan. 1, 1868; and though the lieense daty has not been wholly repealed, it has heen reduced to the moderate charge of from $5 s$. to 20s. a-year.

It were idle to indulge in speenlations in regard to the period when the exhaustion of the Austrnlian gold fields may be expecte.l; there are no data on which to hazard eren a conjecture on such a subject. But whether the supplies from them be destined to be of long or short duration, they have already been, ani, no doubt, will continue to be, of great advantage. We do not mean ly this to say, or insimuate, that the good resulting from the intlux of gold from Australia nnd California has been unaccompanied by ary drawbacks. The gambling aud dissipation to which it has qiven rise are obvious. Fet these, though considerable, are but a trifling deduction from its many advontages; from the powerful stimulus it has given to industry and civilisation, from the new ehamels it has opened to commeree, and from its greatly ameliorating the condition of the labouring classes in this nud most other comntries.

The northern portion of Australin, including, jerhaps, about a thirl part of the entire continent, lies between the tropies; the other portion of the continent, with the aljacent islands of Van Diemen's Land and New Ficaland, being in the south temperate zone. The clinate of the different parts of the continent must therefore, it is obvions, differ very widely. We, however, know but little of the climate of intertropical Australia, exeept that it is within the range of the Indian monsoon ; that the temperature along the coast is rapidly raised by $n$ wind from the south, whiel has been supposed to afford a stromg presumption of the existence of sandy leserts in the interior; nud that the air is so very moist that during the season of the dry monsoon iron articles are with the utmost difficulty preserved from rusting.

It is commonly said that the climate of extratropical Australia, and especially of New South Wales, assimilates closely to that of Southern Italy. But this statement must be taken with consilerable limitation; for, 1st, the atmosplere is very decidedly denser; 2nd, the extremes of temperature are infinitely greater; 3axl, the nverage heat is rather less; and 4th, the temperature appears to decline more rapidly by increase of elevation. The grand defect in the elimate of extra-tropical Australia qppears to consist in the periodical recurrence of wet and dry seasons Sometimes laadly a single drop, of rain falls for an entire year or more; and though, happily, dews are $\mathfrak{i n}$ such sensons peculiarly abundant, they form no adequate substitute for rnin. During long-continued droughts crops of all kinds are destroyed; and herbage, except in a few favourel spots, suffiers severely.
Hence, as already stated, all the eastern parts
of extra-tropical Australia, and perhans also the sonthern, would seem to be much better fitted for pasturage than for lusbamiry. The sloughts arc exceedingly injurious to the latter, and they would necessarily involve any large population that depended principally on the indigenons prodnets of the soil in extreme privations. Certainly no comntry seems to be better titted for grazing, or rather for the growth of sheep and wool. A dry elimate is especially suitable to the latter; and though the pastures be far from luxuriant, their boundless extent compensates for every other deficiency. Sheep are not native to the comstry, a smill flock of 29 head having been introduced for the first time by the original Euglish settlers in 1788. For a while, however, their value was not appreciated; but the importance of sheep farming and its suitableness to the comntry having been demonstrated by Iolm M'Arthur, lisq. (to whom the colony is under the greatest obligations), it has since incrensed with mnprecedented rapidity. In proof of this, it is only necessary to mention that while the import of wool from Australia amominted, in 1822, to only 152,880 llos., it had increased in 1825 to 411,600 lbs., in 1830 to $899,750 \mathrm{lbs}$., nnd in 1866 to the enormons nmount of $113,772,69.1 \mathrm{lbs}$.
Tasmanin, or Van Diemen's Land, being less subject to droughts than New Sonth Wales, husbaudry is carricd on in it to a greater extent, aml with more alvantage; but there also sheep-farming is the principal and, perbaps, the most alvantageous employment. [Van biemen's Lavid.]
New Zealand, which has only been resorted to by regular colonists since 1840 , is better fitted for agriculture than cither Australin or Van Dienen' Lamel, and its elimate is more like that of lengland. The ground in it is, however, rather difficult to clear; the matives are also much more formidable; and it is not so suitable for sheep-firming, though its rich mines have latterly male it very attractive. [AUCKLAND.]
The first of the Australian colonies, that m New South Wains, founded so late as 1788 , and that in Van Diemen's Land, fomnded in 1808 . were originally intended to serve as penal settle ments; and great numbers of convicts have been carried to them. These colonies had also, untwithstanding their clistance, become, even before the diseovery of the gold fields, a fivourite resurn of free settlers, consisting partly of voluntary emigrants, and partly of emigrants carricol vat at the public expense; and since their discorery the emigration to Australin from this comntry, Chima California de., has been quite murecedented. The facility with which supplies of compulsory labour were obtainel tended at first to reconcile the free colonies to the nbuses of the convict ssstem, but they gradually became such as to oceasion the greatest dissatistaction in New South Wales; and since 1843 no fresh convicts have been sent to it. They still, however, continued to ber sent to Van Diemen's Land, but it also hats ceased to be a receptacle for them. No convicts lave ever heen sent to the important and flourishing settlement of Soath Australia, founcled in [ $\mathrm{k} / \mathrm{St}$ [ADelaine], nor to New Zenland. The settlenents in the latter linye recently made a rapid progress, nad it promises, at no very remote period, to be a peculiarly thriving eolony.
P'assage.-The cost of a passage to the Austalian colonies, incleding provisions, is for the

> Cabin, from $45 / .10801$.
> Intermedi ite, fram liit. to 28 .
> sleerage, $\cdot \sin 141$ to yOA.

The average length of the vorage is about four months; and at whatever season of the year it
may be
hoth ve
herefort
clothing
4. Disposal of tionas to the best cupied lanils in co tries is olle of con Land in old settl being, for the mo possession bringing tion and influcnc
realth, colonists ar
may be made, the passengers have to pass throngh The prices of enbin and intermedinte passnges hoth very hot and very cold weather, nud should, to New Zoaland are about the same as to the Austherefore, be prepared accordingly with suitable tralinn colonies; but a stecrige passage is rather clothing. higher.

Account of the Dechared or Real Value of the Exports of British Produce and Mranufactures from the Unitel Kingdom to each British Colony and Possession during each of the 6 Years ending with 1867 , and the Inports from each Colony daring the same time.

| Colonies |  | 18 Sid | 186.5 | 1861 | 18.5 | 1866 | 1567 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Brimsil Puartsions 1 |  |  |  |  |  |  |  |
| Chamet Islands | $\left\{\begin{array}{l}\text { Imporis } \\ \text { Eisporis }\end{array}\right.$ | 6936,401 | \% 618,503 |  | $\begin{aligned} & 411,361 \\ & 892,0126 \end{aligned}$ | $\begin{aligned} & 450,700 \\ & 6,34,229 \end{aligned}$ | 461,08, |
|  | - Inyprerts | 97,659 | 1, 69 :170 | 117,009 | 119,729 | 102.017 | 4, 6 |
| Gibratar | Exiorts | 1,14,694 | 1,171,1:1 | 1,33.5,0128 | 1,210,672 | 1,219,748 |  |
| 3:alta | \{ Exports | 517,901 | - 212,179 | 870,509 | $8,3,993$ 7266,117 | \% $17 \times 6$ | 81,171 |
| tonian Inles, ceded to Greece June | , Imports | 339.251 | 192,879 | 18.870 | 6,350,178 | 6, 3674063 | 6, sin, 281 |
| lat. | Exports | 337,139 | 458,051 | 128,235 | 6,720, 198 | 7,702,131 | 3, $\times$, $5,3,523$ |
| Nordh Amerlcan Cotonies | In | 8,199,393 | 8,16.5.613, |  | 7,129,594 | 6,375,791 | 5,577.424 |
|  | - ${ }^{\text {mapuris }}$ | 4 299.446 | ${ }^{8,526,932}$ | 6,2699,6418 | 3,006,54 | 2,963, 23970 |  |
| Belize | - Exiporis | 115.501 | 175,4,51 | 210, 161 | 174, $2+11$ | 155, 630 | 11x,1176 |
| West Jodha Jslands and Guiana | - 4 limpors | 6,285,4177 | $8,60512.28$ | 11,673,148 | 10,273,113 | 11,423:264 | 12,490,260 |
| West Joha Jslands and Giona | - Expioris | \% $3,332,679$ | 4, 4115,363 | $4,611,519$ $10,033,332$ | $14,164,4 \% 5$ $37,595,152$ | 11,620,779 | 2,6,7.7,157 |
| Australia | - Eisports | 12.41, 325 | 13,611,201 | 14, M26,228 | ix, 833,191 | 30,901,997 | 29,499,314 |
|  | - Cimpors | 31, $1.3,3,551$ | 48, 1,51,740 | 54, 245699 | < $2,15,5,931$ | 1,6109, 863 | 1,1.55,4.39 |
| Britivi India | - Exports | 15,516,126 | 20,817,419 | 20,353,864 | 1,311, 398 | 2.042 .531 | 4,4068,610 |
| Singapore - | - $\left\{\begin{array}{l}\text { Impuris } \\ \text { Exports }\end{array}\right.$ | $2,375,813$ $1,043,161$ | 1,930,622 | 4, $2,069,838$ | 3,708,717 718,373 | $3,426,250$ $1,126,719$ | $3,221+512$ 774,754 |
| simgare - | - Exports | 1,093,164 | 1,36,426 | 5, $3,23.820$ | 718,376 | $1,124,784$ $2 \times 2,273$ | 774,754 |
| Ceyton | - Exports | 647,215 | 1,140,183 | , 88, 3,016 | 1,587,617 | 2,169,159 | 2, $18,6,117$ |
|  | - Jimporis | 967,711 | 1:986, 270 | 1,583, 69 | 1,266,299 | 1,3,30, 215 | 2, $8 \times 9.812$ |
| Staurifius | - Exports | 542,1\%0 | 549,329 | (i) 4,901 | 613, 172 | 58.3, 10.3 |  |
|  | - Impurts | 1,517,851 | 1,919, 81.3 | 1,974, 973 | 2,445.185 | 2,714,323 | 2,711.243 |
| Cape of dood | - fixpurts | 2,0.54,558 | 1,626, 8.3 .15 | 2,382, 1916 | 1,758,140 | 1,4619,013 $3 \times 5$ | 1,893.592 |
| Powestions on the Giotd Coast | - $\left\{\begin{array}{l}\text { Imporis } \\ \text { Exporis }\end{array}\right.$ | 91,836 110,149 | 89,288 101,503 | 198, 1316 | 295,619 198,192 | 354,510 301,486 |  |
|  | \{ imports | 15,2, 16 | 37,2:52 | 41,720 | 70,452 | 42,615 | 5ti, 1,5 |
| Posestions on the liver Gambia | - Expors | 90, 30 | 101,sil | 43,196 | 61,012 | 75,917 | $7 \mathrm{~F}, \mathrm{~N} 17$ |
|  | \{tmporis | 97, 6.92 | 61, 6 fifif | $\therefore 1,460$ | $7{ }^{4} \cdot 2 \cdot 20$ | 82, ${ }^{\text {cid }}$ | T0,013 |
| Sierra Leone | 'oxpurts | 190,682 | 22, 31,901 | 1510,013 | 261.810 | 439,287 | 246,3199 |
| Oiner loosestions | - \{ $\begin{aligned} & \text { Improrts } \\ & \text { Exports }\end{aligned}$ | 131,26i4 | [16,261 | 90, 90.81 | 66,549 | 36,291 | 104,1466 390,140 |
| Total of British Possensions | $\left\{\begin{array}{l}\text { Smports } \\ \text { Expurts }\end{array}\right.$ | (65,148, 589 $41,2,58,336$ | 83,394, 51 $53,111,7: 8$ | $90, n 62,565$ 63, 444,551 | $\begin{aligned} & 72,610,797 \\ & 31,16,74 \end{aligned}$ | $\begin{aligned} & 72,203,7 y 2 \\ & 0,1620 \end{aligned}$ | $610,7,3,154$ <br> 19,580,201 |

Popuiation.-The population of the Anstralian colonies is as fullows :-

| Colonies | Yer: | Males | Females | Total |
| :---: | :---: | :---: | :---: | :---: |
| Sew Soun Wales |  | 227,196 | 184,192 | 411.388 |
| Of cevsiand | 1865 | 3t9, 597 | 31,478 | 87,75 |
| Cutoria | 1867 1866 | $369,10,0$ $88,2 \% 2$ | $254,6,11$ 60,481 | $6.3,344$ 169,153 |
| Suth Austrata | 1 n 17 7 | 13,9.3 | 7\%\%9 | 21, 13 |
| Tasmania : | 1867 1865 | 1.18,215 | 91,6,59 | (19,464 |
| New Zealand : Total |  | 118,215 | 91,6,9 | , 642, 101 |

Emigrution.-We suljoin a return of the number of individuals that have emigrated from the United Kingdom to the Australinn colonies from 18.25 down to 1867, both inclusive :-

| Year | Emigrants | Year | Emigrants |
| :---: | :---: | :---: | :---: |
| 1025 | 48.5 | 1848 | 23,911 |
| 2n 26 | 903 | 2349 | 3y,191 |
|  | 715 | ${ }_{1}^{1850}$ | 16,037 |
| 1829 | 1,036 | $1 \times 5$ | \%1, ${ }^{2}$ |
| $1 \times 4$ | 2016 | 1459 | W7, 414 |
| 18.30 | 1.212 | 18.53 | C1, 161 |
| 14.31 | 1, ${ }^{\text {rod }}$ | 1851 | 8.3 .2 .77 |
| 14.32 | 3,733 | 1855 | 52, 319 |
| 15,3, | 4,043 | 1856 | 41,544 |
| $1 \times 31$ | 2, ¢о | 18.57 | 61,244 |
| 14,35 | 1,560 | 2485 | 39,29.5 |
| 1n.3f | 3,124 | 15.95 | 31,013 |
| $1 \times 37$ | 5,054 | 1860 | 21,302 |
| 15,39 | 1.4.041 | 1861 | 2:3,338 |
| 15.91 | 15786 | 1502 | 41,843 |
| 1)10 | 15,6,50 | 1863 | 50,051 |
| $1 \mathrm{hl1}$ | 32,6\% 5 | 1s4: ${ }^{\text {d }}$ | 40,912 |
| 1st2 | X,5in | 1 15is | 37,283 |
| 14.3 | 3,178 | 1866 | 23, 190 |
| 184) | 4,229 | 1867 | 14,16i |
| 1815 | 839 |  |  |
| 1816 | 2,347 | Total | 816,049 |
| 1517 | 4,919 |  |  |

4. Disposal of Land in the Colonies,- The question as to the best methorl of disposing of the unoccupied lands in colonies planted in unsettled countries is one of considerable nicety and difficulty. Land in old settled and fully oceupied comntries being, for the most part, very valuable, and its
possession bringing along with it great considernpossession bringing, along with it great considern-
tion and influence, and frequently also grent tion and influence, and frequently also frent
wealth, colunists are very apt, wherever they have
the opportunity, to appropriate a much larger extent of land than they hare the means of cultivating, or of turning to my useful account. Not only, however, are sattlers ilisposed to act in this way, but speculators, who have ne thought of minigrating, and persons having influence with Government, endeavour to obtain large tracts of land, in the view of holding them till, in consequence of the increase of population in the vicinity, they aequire a considerable value. It has been usual also to reserve large tracts for ecelesiastical and other public purposes. And these extensive tracts of unoceupico and reserved lands leingr interposed between the settled parts of a colony', renter it in all cases more diflicult, and sometimes all but impossible, to form roads and other mems of communication; so that the settlers are, thus frequently ent oft from a market for their produce, and are less able to combine for municipnl or such like purposes, and for the establishment of schools and churches, and the molertaking of such public works as require co-operntion.

The improvident manser in which large tracts of land have been granted in Canadn, mud the great extent of the elergy and ot her reserves in that colony, have materially retarded its prosperity; and the same circumstances have had a similar operation in our other North American possessions, in Western Anstralia, and elsewhere. But there are various ways in which an abuse of this sort might be prevented. One of the nost obvious of these is to impose such a moderate price on the lamd as might, withont crippling the means of the settlers, hinder them from seeking unduly to extend their possessions; and making all the land held by individuals, whether occupie: or not, contributa necording toits extent to the construction of roads and other public works. Perhaps, however, the better plan would be to upportion the land according to the a vailable capital of the settlers. it being stipulated that no iudividual should ubtain above
a certain number of aeres; and that it should revert back to the public unless certain improvements were effected upon it within a specified time after the grant was made.

I $u$, no satistied with attempting to prevent abuses like those noticed above, we were lately told that all the difficulties incident to colonisation originated in the too great dispersion of the colonists, and that to obviate them, and +3 insure to all new colonies the aeme of prosperity, we had merely to compel the colonists to keep close together by exacting a high price for the surrounding waste or unoecupied land-in other words, by making the colony as like an old settled country as possible! And this precious nostrum was trumpeted forth as a great discovery. It is obvious, however, that if, on the one haud, the priee set on waste land were inconsiderable, it would not (without a limitation of guantity) prevent the purchase of large tracts of land on speculation, and the entailing on the colony all the disadvantages that have resulted from the making of injudicious grants; and if, on the other hand, the price demanded for the land were high, it would go far to oppose an insuperable obstacle to the progress of the colony, at least if it were to be founded hy voluntary emigrants. Lich men do not leave their native country to expose themselves to the inconveniences and hardships attending the establishment of new settlements in the wilderness. This, if it be ctone at al', must be done in time to come, as in time past, by individuals in straitened cireumstances, and anxious to improve their fortunes. But to exact a high or considerable price for land from sucl persons would, by sweeping away the whole or a considerable portion of their capital, teprive them of the menns of clearing and eultivating the land, and proportionally retaril their progress and that of the colony. The plan of letting lands by tine is admitted by every one who knows anything of agriculture to be one of the worst that can be devised; and this colonisation project was bottomed on the same prineiple, and has been quite as pernicious.
It is said that, in consequence of the exacting of a price for the land, and the coneentration of the colonists, their employments, being more combined and divided, will be prosecuted with a great deal more suecess than at present. All this, however, procecds on the false and exploded assumption that the colonists are not, like other individuals, the best judges of what is for their own advantage. Adam Sinith says truly, that it is the highest impertinence for kings and ministers to attempt to direct private people how they should employ their capitnls. But it is, if possible, a still greater impertinence to attempt to direct them where they shall employ them. A regard to their own interest will draw people sufficiently together. And to enact regulations in the view of concentrating them still more, is in every respect as contradictory and absurd as it would be to set about increasing the public wealth by regulating the scrt of employments to be carried on, and the countries with which, and the commodities in which, to deal.

Of late years the English Government has disposed of all ungranted colonial lands by sale ; and though we incline to think, as already stated, that the preferable plan would be to Jistribute them according to the capital or meang of the settlers, still if the price at which land is sold be reasonable, the quantity that may be held by individuals be limited, and the lots put up to sale be of sizes suited to the means of the varions classes of purchasers, we do not know that the plan is open to any very good objection. But the price charged
for land in most of our colonies, and especially in Australia, where the minimum (except in Western Australia, Tasmania, und New Zealand) is 20s, an acre, is much too high, and has led to the most mischicvous results. At the same time we must bear in mind the distinction between founding a colony with a view principally to the interests of the colonists, and founding it not only with a view to their interests, but in an especial degree for the relief of the mother country. For it is not to be denied that the plan of exacting a pretty high (but not an oppressive) price for colonial lands, and applying that price to defray the cost of carrying out emigrants, may (how injurious soever to voluntary emigrants) be made to assist in relieving the mother country of those who might othervise have had to be supported at the public expense. Innsmueh, too, as an extraordinary quantity of labour is thins supplied to the eolony, the injury done to the capitalists by making land artiticially dear is, in some degree at least, compensated by its inaking labour artificially cheap. The emigration to the Australian coloaies in the 4 years ending with 1847 was mainly a consequence of the principle now stated, a very large proportion of the emigrants having been carried out at the public expense. But it is to be borne in mind, that when the revenue derived from the sale of land in the Australian colonies was at its maximum, its price was only $12 s$ an acre. After it had been raised to 20 s., the sales, down to tho ara of the gold discoveries, were comparatively tritling.

It would obvionsly be the extreme of folly for an agriculturist intending to emigrate who lias a little, but not a great denl of eapital, to thiak of establishing himself in a colony where a high price is set upon land. At all events, he must not expect in such a colony to become a landowner, or to be independent, but must make up his mind to be n hired labourer; whereas, if he emigrate to a colony where land is sold at a low price, or given away on condition of certain improvements being effected upon it within a given time, he may at onee acquire an estate, and exchange the condition of a hired servant foi that of laudowner.

Seeing that the Americans sell the best lands in the valley of the Mississippi at about a dollar an acre, it was not ensy to discover the principte on which we proceeded for many years to exact 6s. 7 d . an acre for the werst land in Uprer Canada. If this regulation were ineant to divers the current of voluntary pmigration from Canada to the United States, nothing conld be found to say ngainst it ; but otherwise it was alike contradictory and absurd. At present (1868) in Canada West the minimum price per acre is $6 s, 14$, and the maximum 4s. 2d. sterling, white in Cnaada East the prices range from $10 d$, to 2 s , 6 d . Notwithstanding the facilities of getting out to Quebec in timber stips, the direct emigration to the Uinited States greatly exceeds that to British North Amerien, the emigrants to the former being also of a superior description and having a grenter cominand of capital. And there can be no doubt that the United States are in no inconsiderable degree indebted for this intlux of comparatively valuable immigrants to the fact of the public lands having for many years been sold at a less price than ours. 'It is population alone which imparts value to land ; and a more effectual method could not be devised for preventing an influx of inhabitants into Upper C' nada, and drawinc; away many of those alrendy settled, than Govirmment adhering to the present prices of land.' (see Shiretl's valuable Agricultural Tour through North

Americ great mquired being tlfide settler in200 acres of laexpiration of $t$become forfeite
lutely; except
found umfit for
of a very inferi
have remained
Governor in C
nense with the
be conveyed
assignee.
6. A contract
chaser from the
and following co
to issue only to $t$
deriviag claim
to the assignees
and occupants
conditions of se
mpon a certilicat
paid such vent
with the contia
such particular
party applying
claims las bee
least two years
same (not excee
for each 100 nere
it for cultivation
inder erop, and
ions at least 16
and upon paymen
fees, to cover
description of pro
and preseribed b
Lands.

1. All lands w
conditions revert

America, p. 365.) But since Canada has been in great measure self-governed, the price of land has been reduced, as already explained.
Regulations for the Sale and Management of the Public Lands, approved by his IXxcollency the Governor General in Council, and dated January 13, 1859.

1. That the lands in townships which have alrendy been delineated, or shall hereafter be delineated on survey by the exterior lines only, may be offered for sale on block on the following terms, viz.:-
2. That the price shall be one half-lollar per acre, payuble at the time of sale.
3. That the purchaser shall canse the lands to be surveyed at his own expense into lots comprising cither 100 or 200 acres of land in each lot ; and on the north shore of Lake IIuron into quarter sections of 160 acres each, except in spots where the configuration of the township may render such exart quantities impracticable, and then as near to those allotments as possible.
4. That such survey shall be made by a duly licensed provincial land surveyor, approved of by the Commissioner of Crown Lands, and acting under his instructions, who shall make his return with field notes \&c. in the usual method observed by surveyors, to be also approved of by the Department.
5. That one-third of the quantity of land in the tornship shall be settled upon within two years from the time of sale; one-third more settled upon within the following five years-that is, seven years from the time of sale; and the residue within the further period of three years-or ten years from the date of sale; the settlement required being that there shall be at least one bona fide settler in anthorised occupation for every 200 acres of land; all land not so settled at the expiration of ten years from the time of sale to become forfeited and revert to the Crown absolutely, except such porrions thereof as shall be found unfit for settlement, or such portions as are of a very inferior quality, and by reason thereof have remained unoceupied, in respect to which the Gorernor in Council may, unon application, dispense with the forfeiture, and cause the same to be rareyed to the original purchaser or his assignee.
6. A contract or sale to be made with the purchaser from the Crown subject to the foregoing and following conditions; but patents for the tand to issue only to the occupants of the lots purchased deriviag claim under the vendee of the Crown, or to the assignees claiming under such purchasers and occupants who shall have complied with the conditions of settlement hercinafter mentioned, upon a certiticate or other evidence that they have paid such vendee or his assignee, or complied with the continct with him, for or in regard to such particular lot; and upon evidence that the party applying, or some one under whom he claims, has been a resident on the same lot for at least two years continuously, and that upon the same (not exceeding 200 acres) at least 10 acres for each 100 actes have been cleared and rendered fit for cultivation and crop, and have been actually under crop, and that a liabitable house, in dimensions at least 16 by 20 feet, is erected thereon, and upon payment of the sum of 4 dols. as patent fees, to cover expenses $\& \mathbf{i c}$. The nature and description of proot ahove referred to to be settled and prescribed by the Commissioner of Crown Lauds.
7. All lands which shall under the foregning conditions revert to the Crown shall be exposed
to sale at public auction at such times and places, and on such upset price, as the Commissioner of Crown Lands shall fix.
8. That in townships which have been surveyed and laid ont into lots, and where lands are now offered for sale at 4 s . per acre, or where no lands have as yet been offered for sale, and in townships under surve:- or yet to be surveyed in lots, lands to be sold under the following regulations, to wit:-
9. That lands be sold for ensh at 70c. per nere, and on time upon the foilowing terms-viz. 1 dol. per acre; one-fifth to be paid at the time of the sate, and the remaining four-fifths in four equal annual instalments, with interest on the purchasemoney unpaid.
10. That when the lands in $n$ township have remained open for sale for one year after public notice thereof, the lands unsold at the expiration of that period shall, at a time to be fixed, and after reasonable notice given by the Commissioner of Crown Lands, be offerell for sale by public auction at the upset price tixed for their sale as above, or at such other upset price as under specinl circumstances may be named by the Commissioner of Crown Lands; and that such public sales of all lands which shall remain nasold in the mean time shall take place semi-annually, at times to be named therefor by the Commissioner of Crown Lands, until the whole of the lands in the township shall have been disposed of; the lands remaining uasold after any such public sale to conrinue open for private sale at the said upset price intil the period of one week next before the time at which the next public sale shall take place.
11. That all lots of land which shall have been offered as 'Free Grants,' and shall not have been located and occupied at the expiration of one year from the time the same shall have been so offered, shall no longer remain as 'Free Grants,' but shall be open for private sale, or shall be exposed to public sale by auction as part of the lands in the township in which the same are situate, and upon the same terms as other lands therein.
12. That all lands (except those now exempt) shall be subject to settlement duties, and no patent in any cuse (even though the land be pail for in full at the time of purchase) shall issue for any such land to any yerson who shall not by himself, or the person or persons under whom he claims, have taken possession of such land within six months from the time of sale, and shall from that time continuously have been a bonâ fide occupant of, and resident on the land for at least two years, and have cleared and iendered fit for cultivation and crop, and had under crop within four years at farthest from the time of sale of the land, a quantity thereof in the proportion of at least lo acres to every 100 acres, and have erected thereon a house habitable, and of the dimensions at least of 16 by 20 feet.
13. That all other lanis not embraced in the foregoing category be exposed to sale by public auction annually, or, in the diseretion of the Commissioner of Crown Lands, half-yearly, for eash, at such times and places and at such upset prices as tho Commissioner of Crown Lands shall fix.
14. That the lands known as 'Clergy Reserves' be soll on the same terms and in the same manner as other pullic lands in the townships in which they respectively lie.
15. That prompt payment in all cases be made of the essence of the contract, and any default to be on pain of forfeiture of all previons payments and of all right in the lands.
16. That in the cases of sales already made payment of arrears be required, and that public
notice be given in the 'Official Gazette, and through the usual chmonels, that unless such arrears be paid within 12 months from the 1st of Jamary, 1859, the land in respect of which default shall continue will be resumed by the Crown and resold, and that in regard to all purchase moneys and interest hereafter to lall due, prompt payment will be exacted.

## Squatters

17. That the system of recognising unanthorised occupation of land, commonly known as 'squatting,' be discontinued, subject to the following provisions, viz.:-

That public and general notice be given by the Crown Lands Department, that no claim to preemption by reason of such occupation will be entertained after the 1st day of September next; and that no claim to such pre-emption not now in a state to be admitted can be made good by any act of the party hereafter ; and that therefore his labour will be thrown away.
That the prices above tixed for lanls shall apply to Lpper Canada only.

The prices of lands in Lower Canada shall be regulated by Orders in Council from time to time.
Nova Scotia.-'the public lands are hese also sold at a fixed price, of $1 s .9$. sterling per acre, payable at once. The smallest regular farm lot contains 100 neres. Any less quantity of land may be had, but the cost would be the same as for 100 acres, viz. $8 / .15 \mathrm{~s}$., the minimum sim for which a deed of grant is issued.

New Brunsuich.-There are two moles of selliner Crown lands in this province, and it is optional whether the intending settler shall pay for his land in money or in labour. It may be purchased at the anction sales in each county on the tirst Tuesday of every month, at the upset price of $3 s$ s. currency (2s. 6el. sterling) per acre, with an addition of $2 \frac{1}{2} d$. sterling for the survey of the same. If the money be paid lown at these sales, there is a discount of 20 per cent. Thus those disposed to pay become the possessors of 100 acres of land for 121. 10s. currency or 101 . 6s. sterling. Another mode is by paying one quarter down, and the remainder by three annual instalments.

In all cases, however, where British subjects of 18 years of age and upwards desire to become settlers, they are entitled to 100 acres of land wherever they may choose the same, for 3s. currency ( 2 s. tid. sterling) per acie, without competition at auction; and may either pay for it in money, to be expended on the road, or work out the worth of the money in labour, at an estimated rate, and under the direction of Commissioners appointed for the purpose, and will be allowed five years to complete the payment. The sons of emigrants, 18 years of age and upwards, can each secure a lot of 100 acres adjoining the lot held by the father; they are not required to reside on the lot, but will be required to pay the moncy value of the land in labour on the roats at the rate of 2 s . $6 d$. sterling per taere, with a period of 5 years to complete the same.
In all cases of sales by auction or otherwise grants under the great seal of the province are issued, conveying the land to the purchaser and his licirs and assigus for ever, as soon as may be after payment; but in all cases where Crown lands are sold without competition, cither for money or labour on the road, no grant will be issued until the party, in addition to payment, has resided one year on the land, and cleared and cultivated at least 5 acres.
If not less than six persons apply to any of the emigration oflicers in the United Kingdom, stating
that they wish to obtain land in New Brunswick for actual settlement, and name an agent in the province to select it, such agent, on his name being reported by the emigration officer to the Colonial Government, will be authorised to select not excecting 100 acres for each of the applicants, and the land will be reserved for them for one year.
Prince Edurard Island.-With the excention of between 2,000 and 3,000 acre?, the whole of the Crown lands in this colony were alieuated in one day. But by Colonial Acts of 1853, 16 Vict.c. 1\%, and of $18.57,20$ Viet. c. 20 , the local Government is authorised to repurchase from proprietors their unsold lands and to resell them to the present tenants or otherwise. 80,000 acres were thus repurchaserl in 1854. These may now be obtained at the Land Office at from 4s. to 8s. sterling per acre, according to locality and quality. About 35,000 acres of these lands remained undisposed of in 1866, for which the late proprietors demanded from 10 s . to 20 s . sterling per acre.

Most of the Crown lands (i. e. those not repurchased unter the Act of 1857) have been sold. There is, however, a small number of town lots for sale in I'rincetown. These lots are chiefly sought for at present as qualifications for electors of members to serve in the General Assembly; but may become valuable hereafter, being situatel in front of one of the best barbours in this island, from which the fisheries might be prosecuted.

Neufoundland.-13y n Colonial law Crown lads are to be sold by auction, at an upset price to be fixed by the Governor at not less than 2s, per acre. Land exposed to auction more than once may afterwards be sold, without further competition. at the last upset price.
British Columbia.-That part of British temi tory on the north-west coast of Noth America, previously known as New Caledonia, was, by an Act passed Anglast 2, $1858(21 \& 22$ Fiet. c. 99), (erected into a colony, under the name of '13ritish Columbia.' It is bounded on the sonth by the frontier of the United States (i.e. the 49th degree of north latitude), on the cast by the main chain of the Rocky Mountains, on the north by Simpson's River and the limlay branch of the Peace River, and on the west by the I'acific Ocean. It includes Queen Char'otte ${ }^{\text {B }}$ Island and all other adjacent islands; and Yancouver Island, by the 29 \& 30 Vict. c. 67 , has been incorporated with British Columbia.
Extent of Colony.- British Columbia possesses, exclusive of Vancouver Island, an extent of about 500 miles of sea const, stretching from the point where the 19th parallel of latitude first strikes the sea coast to the line of the Russian possessions in lortland Canal.

The area of the colony; including Quen Charlotte's [sland, is computed by Mr. Arrowsmith to contain about 200,000 square iniles.
'The disposal of the public lands in this colony is now regulatel by Ordinances No. 27 of 1860 , and No. 13 of 1846.
Ordinance No. 27 of 1865 makes a difference in the mode of rlealing with surveged and unsurveyed country lands: the former can only be acquired by purchase at auction, or if not sold at aucton, by private contract, at the upset price fixed in tho Ordinance, viz. 4s. 2d. an nere. The latter may be acquired by what is tenned "pre-emption.' Under this system any person may tak epossession of any unsurveyed, moccupied, and mureseryed country land, not exceediag lot acres, and not being the site or proposed site of a town, or auriferous or argentiferous lamis, or an Indian reserve, provided he first obtaius a license for the purpose from the magistrate of the districh.



With seven days after, anll on payment of fre of 8 s , thl, the maristrate records the claim, and pramts a 'record certitleate, which is a bar to all previons claims to the same land. When the fiovernment survey extends to the land thas 'pre captel,' the clamant, his heirs or devisees, of (if he shall hase obtalned from the stipembiary mintistate of the district a certitente that he has mate permanent improvements thereon to the value of 10 s , an aere) his assigns, becomes entitled, if there has been a contimous occupation of the Iand, to purchise it at Is. 2d. per nere. A prewher may alsu pre-empt an additional tract nut exceeding $1 \times 0$ aeres of contiguous land, upom farment down of $\boldsymbol{2 s}^{\text {s. }}$ Id. an acre, leaving the remining $\mathrm{Is}_{\text {s. }}$ Id, to be paid when the land is surrevel. !'rowision in raade for tho case of disputed hims, mad the right to pre-empt is conlined te bitish suljects, aud to those aliens who may have takell the oath of ullegiance. Aliens who hare nut taken that oath can purchase, but eannot pre-empt lands.
Dew provisions are also introduced for regulatiug the mode in which the right to appropriate wated for irrigation and other purposes is required, sand for enfling the Governor, in his discretion, to grant pastoral leases to bonâ fide pre-emptors of purchasers; and to issue timber-cutting licenses. The Urinume fines no limit to the term of the paitural leares that may be granted, but it makes them subject, without compensation, to the right of reserve, and of pre-emption and purehase by ar person luring the tern, and to the condition foinpoperly stoeked within six months, the stipenliary magistrate may direct.
By the dith section the Govemor is empowered, on receving and publishing the assent of her Hiperys dovemment thereto, to make free or sartialiv free grauts of land for the encouragement if immigration, subject to such provisions, reatrictions, and privileges as he may think adrisible.
The Goreraor, however, has been instrueted fot to grant pastoral leases for a longer term than seren years, and not to insert in them any right of renewal. Yeither is he to make any free grants under the 5 5th seetion except under special circumstances, and with the previons approval of the Secretary of State, or in virtue of general requations previously approved by the Secretary of itate.
The Ordinanee of 1865 was amended by Ordinance No. 13 of 1866 , which provides that neither chartered nor ineorporated companies nor aborigines shall be cutitled to pre-empt land withont the special written permission of the Governor; and that land pre-cmpted before the date of the Ondiance mar be included when the General surver eomas up to it, although its boundaries may nut have been laid out in strict accordance with the requirements of the Land Ordinance of 106.

Fanconter Islant,-Under the 29 \& 30 Viet. f, itit now forms one colony with British Columbial. lut the laws of each are to remain in force unders otherwise provided by lawfinl authority. It has an extreme length of 270 miles, and a breath rarying from 40 to 50 milps. The disposal wit the puhlic lands in this colony is now equatal by a proclamation dated September 6 , Nio. direeting all land for sale, whether town, suburban, or othervise, to be put up to anction, at an upiet price not to exceed, for comitry land, 4. 2d. per acre. If not sold at auction, it may be diterwarls purchased by private contract at the wiet price, and country land forfeited for nonparment of justalments to be sold by auction at apset priec of 4s. $2 d$.

Aestnalinn Colonifs anir Tambinia.
Ily the Imperina dets 18 \& 19 Viet, e. St (July 16, 1 Xina), the Land Sales Aets, is is Vict. e. $\mathbf{0 6}$, and 9 K 10 Vict. c. 101 , are repaled, and the Crown in Western Anstralia and the loeal Legislatures in the other Australinn colonies are left at liberty to alter the land requlations which existed at the time of the passing of the tirstmentioned $\mathrm{A}^{+}$, $1 \times \mathrm{K} 19$ Viet. e. jti.
New South Wales, Vletorin, Qucensland, South Australia, 'i'asmania, and Western Australia have acombingly passed laws to regulate the disposil of their puiblic lames.

## New Sinutit Wames.

The disposal of the public lames in this colony: is now reculated by two Acts, Nos. 1 is 2 of 25 Vict. Iftil. 'The first enacts that all Crown lands shall be sold either by way of conditional sale without comprtition or liy anction.

Classifitation of Lands.-Crown lands are divided into four classes, vi\%. :-' town lame, beime those in or set apart as a site for my city, town, or village; 'suburban lauds' (Ilcelareil in the ' (iazette' to be such); ' first-class settled districts,' and ' second-chass settled distriets.
Auction.- 'Town lands and suburban lands withont improvements are to be sold by public anction only, at upset prices of not less than 81. per acre for the former and 21 . for the latter; the upset price of other Crown lands intended to be sold without eonditions of residence and improvement is not to be less than 11. per acre. If no sale is effected at the tirst anction the lands may again be put up io auction, and, with the exception of town and suburban lauds, may in the interim be purchased at the upset price, if not previously withdrawn from sale by the (iovermment. (Sees. $23,24,25$.
Mode of Payment.-One-fourth of the purehase money is to be paid at the time of sale, ind the remainder within three months. (Sce. ©ti,)

Conditional Sale.- liy the plan of conditional sale' any one may, on eertain notitied days, mako to the land agent of the listrict a written application for the conditional purehase of not les: than 40 , nor more than $3 \mathbf{0} 0$ acres, accompanied by a deposit of one-fourth of the purchase money, at the rate of 11 . an acre. Ife will then be dechared the conditional purehaser, unless there be more than one application for the same land or any part of it, in which case the sucecssful candilate is to be determined by lot. The lands to be sclected under this system must, however, not be town or suburban lands, nor within a proclaimed gold tiehd, unless unoceupied for gold mining purposes, and mist not be within certain distances of towns or villages, varying from 10 to 2 miles, aecording to the population of the place, nor reserved for town sites or other public purposes. (Secs. 13 and 14.)

At the expiration of three years and three months the purchaser las the option of paying the balance of the purchase money, and receiving a converance in fee, or of deferring the payment indetinitely by baying interest at the rate of 5 per cent. per anmm on the amount, within three months alter Jnnuary 1 in each year. The purchaser, however, must in either case prove to the satisfaction of the Minister of Publie Lands that he has made improvements to the extent and value required by the Act, that he has bonaf fide resided continuonsly either by himself or his nliences on the land, and that he has not alienated it until after at least one year's bonnt tide residence thereon.

There are some other minor provisions for
effectinf conditional pirchase, under minimg conditions (ether than cold minings, when tha price is to be 40x. nu nere, and for determining values and matters in dispute by appraisement and arbitration.
Under the Land Aeta of 1861 no privileges are now granted in the aequisition of land to naval and military settlers.

## Queensiand.

The land granting system of Quecusland is now regulated by an Act jonsed by the Colonial Legislature in September $1860,2 \cdot 1$ Vict. No. 15 , entitled - An Act to provide for the Alienation of Crown Lamls:' and by the 'Agricultural Reserves Act, 1863 ,' 27 Vict. No. 23 ; and the ' Lensing Act of $18 i f 6$,' passed Oct. 11 , 1866 , which repeals 29 Vict. No. 21 , and provides that Crown lanels situnte beyond two miles of any town nud remaining unsole after being otlered at auction, aro open to leaso for cight years at not less than $2 s$, Ged, per acre rent. After eight payments tho land is to bo granted to the lessee in fee simple.

The main prineiple of the Act, 24 Vict. No. 15 , is the same as that in the repented Imperial Jand Sales Act, viz.: that Crown lnids are to be sold by anction at not less than 11. an acre, but that lunds once put up to auction and not sold may be sold by private contract, with prompt payment in both eases. 'The novelty in the Act is a provision for what are called Agricultural Reserves, in which the lands are not subject to anction, but may he bought or leased on special conditions.
(N.B. A new Land Act, 'The Crown Lands Alienation Act of 1868,' has been passed by the Colonial Legislature, but lins not yet officially reached the home authorities. Under it from 40 to 6.10 acres of ngriculturnl land can be bought at 15 s. an acre, payable in ten annual instalments of $1 \mathrm{~s}, \mathrm{Gd}$. . per acre; but to entitle the purchaser to a deed of grant he must prove that he has resided not less than two years, nnd expended not less than 10s, an acre on the land.)

The following is an: isstract of the Act 24 Vict. No. $15:-$

Public Reserves.-The Governor, with the andviee of the Executive Council, may proclaim lands as reserves for town or village sites, and may make grants for public purposes specified in the 'Unocenpied Crown Lands Occupation Act' of 1860, or sanctioned by the Legislature. (Sees. 3 and 4.).

Minimum Price.-No lnal is to be sold for less than 1/. an aere, nor until it has been surveyed and mapped. (Sce. 5.)

Auction.-All Crown lands must be offered for sale by public auction, duly notitied in the Goverument Gnzette, not less than one or more than three months before the auction. (Sce. 6.)

Classification of Lands.-The lands are to be divided into three classes-town, suburban, and country lots. Town lots are those within the netual boundaries of towns. Suburban lots are to comprise all lands (except such as the Government mny think tit to exelude) within two miles from the nearest houndary of any town. Country lots are to comprise all other lands, and the Governor in Conneil may, from time to time, fix the upsit price of any lot not lower than $1 l$. per acre. (Sec. 7.)

Sales by Private Contract:-Lands which have been offered for sale at auction, and not sold, may afterwards be sold by private contract at the upset price; but such lands may be withdrawn from private sale and again offered for sale by auction. (Sec. 8.)

Payment of Purchase Money.-In the case of
sales by private costract the whole of the purchase money must be paill down at the time of purchas: In the case of anction, a deposit must le made of not less than one-tenth of the purchase mones; the remainder must be paill within one month, or the deposlt will be forfeited. (Nec. 9.;
Agricultural Reseryes.- 'The Selectors' Rehef Act 2 , No. 21 enables the Govenior in Conneil to remit Sorfeitures if the condition of residence has been complied with) of hnd selected under the Agricultural Reserves Aet of : * fill The Governor in Council is also empowered to proelaim and set apart from time to time what are called 'Ayricultural Reserves,' tho lands in which are to be sold, not by auction, hit at a flyed frien of 20 s, per acre. Such reserves are to contain available land, open to selection, nt no time less than 50,000 acres, upon shores of the primcipal bays or navigable waters; and also 2,500 acres to be available for selection within 7 miles of all towns containing inhabitants exceeding iof in number. The Governor in Council may, however, by proclamation withdraw and deal with such lands as country lauds.
Couditions of Purchase.-Any person wishing to occupy land within an 'agricultural reserve' nast pay in advance to the land agent for the district 20s. an aere for the lots he mny wish to seleet; and twelve months thereafter, upon his making a declaration, and producing in support thereof satisfactory evidence that he has resided upont the land for a period of six months, and cultivaten one-tenth thereof, he will become entitled to a deed of grant of the land.
Leases of Agricultural Rescrves,-Owners of farms within 'agricultural reserves' may ditain leases for five years of contiguous unoccupicd land not exceeding three times the extent of the purchased land in the firm, nor in the whole $3^{\prime \prime}$ ) acres (including the farm), at a rent of bid. per aere, payable annually in advance, with a right of pre-emption during the eurreney of the lease. Default of 30 days in payment of rent, or failure within 18 months to fence off the land, makes void the lease. No lease must be held by an agent, or pledged as security for money lent.
Size \&re, of Farms,-Farms within agricultural reserves must be selected in one or in enterninuus lots, and must not be less than 18 nor more than 320 acres in all in the same reserve.
Commomage.-All unenclosed lands in any such reserve are to be subject to the rights of commonnge of land purchasers, and of the rexidents inauy ailjacent townships.
Salc of Improved Lands.-Land within the boundaries of any township or village on which improvements may have been nade may be sold to the owners without competition, if appliantion be made within twelve months of the passing ", the Act as regards existing towns or villages, within twelve months after the proclamation any nev town or village.
Closing of Roads.-Sections 16 and 17 provide for the elosing and alienation of unnecessary roalis and the sale of the land without competition the holders of the auljacent lands.
Military and Naval Settlers.-l Privieges Military and Naval Settlers abolished in Queen land by Colonial Act, 28 Viet., No. 17 (18(it).
Bounty on Cotion.-To encourage the growth cotton, the Governor in Counci! may issue lan orders during the three years next after the pass ing of the Aet to the extent of $10 l$, and durin the two following years to the extent of 0.1 it every bale weighing 300 lbs of good clean se island cotton, not damaged or discoloured, grow in the colony, and exporied to Grat Britai

One half these premi anmod descriptions
Nineral Lanils,-T1 Hill aot excecting 6.10 umpany, at \%0s, an a pues other than for co Gourerour to make $\boldsymbol{I}$ in Couneil is authorise rublish in the Gizette we carying ont the Aet Le laid before the Culon

The dispowal of Crown prulated by two Aets: Junce $1 d, 186=$; and $a n a n$ 3i. lassed March 23, couselidates and amends - the sale and oceupiati ombines ncarly all the pulicic lands that have txecpt free grants and gran rill be found the priacipl pace but not betore survo dural districto-of auction of prompt paytuents, and pe -and of se.thment duties. for commonafe, for meetin, of industries seeking devel and fir checking nonopoly, land for the purposes of spe immingation by the fixed $y$ onedourth of the land reven The amponing det repenl. sing I in Part II. of the first in secs 1: to 37 , both inclu: end duth sections. It also r tio in Part III., nud the $68 t$ ltspostitutes other provision athintaluces other ane cadm cuation is to be co-extensiy pracipal Act.
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Part 3 relates to leases and li rmir mare ural or pastoral purp) ho of rears mithont raing leases, in i rears withont restriction as
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## COLONIES-COLONY TRAIEE

One hall these premicurs are to be given for the anamon descriptions of cotton. (Sec, 2l.)
whot exceeting 6.10 acres to any Council may ompany, at 20s, an acre, lands for minerson or poes other than for coal or golle. (See. $2 \cdot$ ) pur(overnor to make Regulati nu, (See. 22.)
in Counel is authorised to make and alter and whish in the Gazette all make and alter, and fublish in the Gazette all nece-ary regulations fo carrying oint the Aet, which regulations are to be lid before the Colonhal I'arliament.

## Victonta.

The dispowal of Crown lands in Victoria is now Ngunted by two Acts: 2.5 Vict. No. 145 , now dure 18 , 1862 ; and an amending Act, os ving passed 3if, passed March 23, 1865. The former, No. consodilates and amends all previous laws relatime to the sale and oceupation of Crown lands. It onalines nearly ull the motes of dealiug with pullic laads that have been tried in any culony, except free grants and grants on quit rentes. In it will be tound the priaciple of selection at a fined price (bit not befure survey) over certain agricultual disitits-of auction over other distrietsof promptpyments, und payments by iustalments -and ut setlement duties. It contains provisions for conmonase, for meeting the cases of all kinds of industries secking development in the colony ond for decting monopoly, and the aequisition of land for the purposes of speculation, and promotes immiration by the fixed ycarly appropriation of ogefurth of the lamd revenue.
Theamending det repeals so much of Subdiviin reas 1: to 37 , both inclusive as is comprised and toh sections. It also repends in the 39th dwo Part III., and the 68 repeals the 47 th seclespbititutes other provisious section in l'art IV. adintrulues otheramendments inose repealed, durstion is to be co-extensive with the law. Its pricipal det.
The per feature in this law is that leases may sorbe obtaiaed of land in small quantities for arsaral purposes, as well as in large quantitics pastuna purposes,
The phucipal Act of 1862 is divided into six pats; and omitting the repealed sections in P'art iands in regulate the mode of alienating the making other provisions on that sumeuding Act hring is on abstract of its that subject), the folIt mpeals all furmer of leading provisions:trept the Gold Fieldy Aly fows (six in number), arept the Gold Fields Act, No. 32, and all Order in Council and regulations alleeting public lands edivitself to expire on December31, 1870 ands 1ud [33). It cmpowers the Governor in Coues. misene from sale, either tempornrily or permansulty, any (rown lands for any public purpose riserer (sec. 5 ), and euables hian (see. 10) to bal rilh excheated or forfeited lands in tiavour of esns having a moral though not a legal claim then.
Par $\hat{3}$ relates to leases and liceuses for other an aricultural or pastoral purposes, The for aivi maxar grant mining leases, execpt for gold, mina ught of pre-emptiou as to number, aud tar, at 1 p per acre (sece 4ion, after the first tive Eingleases are regulated 18 ). The conditions of Elingeases are regulated by an Orderin Council. thet is to be $2 s$, an nere exceed thio acres, and dor the mineral or metal at the ment. on the
vare of three aeres, for a term not excecding Fritoce-such as sites for varions use-pos-such as sites for imms, stores,
buidilings baihing honses, factories, quay 360 oulilding \&c. Hut these leases are yuays, ship any time if not nsed for the pure voidable at they were granted. (Secs. the purposes firs which dimmal liconted. (Secs. 50 de 0 .)
the purposes specitied in sece frinted for any of fees and conditions as the ios, subject to such may prescriba (Scc. 5 L .) Governor in Council lart 1 relates to comm
to be four classers; viz. munticipal which there are thel! commons, town commotical commons, gold mons.
The commons may be proclaimed by the Go rerner in Conncil, in localities within tive nilesot is a municipal district) or ard field, or town (not whichone-furth has been solecticulturnl area, of persons entitled to free cummena (Sec. 65.) The holders, holders of 'minery' ribltse are lonselicenses, resident selectors in rights, or business fund land owners resident in agricultural areas, ' farmers' commons.' (Sec within tive miles of a commons may however (sec.) The lands in these leased, aud the Governgr be sold, or selected, or time alter or abolish any commoncil may at aty of depasturage (except in thon; and the right commons) is restricted to fuur caso of farmers each commoner. (Sec to four head of cattle for Part 5 relutes to (Sec. 77.)
this branch of the subject that the inses. It is with has litherto been foumet in that the great diffieulty question.
wilh the land
vernor to issue to the the Aet empowers the Gorums yearly license the licused oceupiers of existing years only, comses of their rums for the next eight but it expressly proning from January 1, 1863 prevent the run or auy that the license is not to leased, proclaimed a compon it from being sohd, with muder the present ormon, or otherwise dealt Instead of an assigt or any future law
stock actually fed on the run as heretofore on the on the number of eat the rua, a rent is to be paid sheep, or $2 s$, for cattle (at the rate of $8 d$. for each rua may be capable of card of eatule) which the by the Board of Land and fYing, to be determined decision is disputed, by ard Works, or, in case their the rent inay be incrensed withion. (sec. 83) ; but months if the llacreased within the first twelve it has been fixed too lowe reason to believe that
the part of the squatter. (secect to an appeal on
With regard to new runs, (Secs. 96 \& 97.)
anction, the rent being tixed by the to be sold by and Works, and tho biddined the Board of Land miuns. If there are bitdings being on the prethe loard may reduce the rent at the auctions, run again, and so from the rent and put up the by nuction. The prom time to time until it is sold of oceupation (which is to be is to receive a license chattel interest, sees. $107-8$ ) formed a trausferable size of the run is limited to for 14 years, and the the estimation of the Board to carry sulficient in round 5,000 sheep, or $1,2 \overline{5} 0$ head of all the year $98,99,100$, and 101). If the real of cattle (secs. able half-yearly (sec. 113), is sutlered to is payarrear, $2 l$. a diy are to be added to it to fall into penalty; mul if it continue in to it by way of two months, the rum is linue in arrear more than $11(j-\overline{7}$.$) , the rim is liable to forfeiture. (Sees$
The Governor in Council may make reserves for sale to the extent of one-fourth of the runt, but or thres mund reserves is to take place motil atter the remaiuder of hise ruiven to the licensee, and leased or oceupins rum is mate sulject to bein, license for other th buter a 'miners' risht' or hams taken up in 1860 and 1861 purpuses ince. 10$)^{2}$ ). B E

Act, No. 117, may within 12 months be surrendered, and licenses in exchange obtained u.aler the presert Act. (Sec. 103.)
Licensees are prohihited from cultivating their runs for purposes of sale or barter; but they may make improvements on theni, and dig for stone, and take timber for domestic usen: and if the run be not within nu agricultural area, the licensee is entitled to eompencation if that part of the run is taken from him on which he may have made a substantial fence or permanent reservoir of water, provided lie had previously obtained permission to effect the improvement and had it duly registered. A cleduction, however, is to be made of one-tenth of the value for each year he may have liad the use of the improvement (sec. 110). Compersation (not exceeding 500/) is also to be granted to the occupiers of new runs for the loss of buildings and yards, or they may be all wed instead to purehnee, at 11. per acre, 320 acres of the land on which the mprovements stand (sec. 111).
Lastly, no oceupier of land for pastoral purposes is to be nutitled to any compensation by reason of the Act being repealed or altered (sec. 1 $\geqslant 1$ ).
The privilege of public officers and i: lders of ' miners' rights' prospecting for gold to dipasture their cattle on Crown lands is preserved (sees. 78 79).

Part 6 reiates to trespasses and penaltics.
Assisted Passages.-There remains one important provision which immediately affects the poorer classes of this country. By the 38th section onefourth of the nett revenue received in ench year after 1862 from the sale or leusing of land, or for licenses for the use thereoi, is to be appropriated to the purposes of imnigration under regulations to be made by the Governor in Council and submitted to both houses of the Colonial Parliament. The immigrants, during the first nine months of each year, are to be selected from England, Scotland, Ireland, and Wales, in proportion to the population of those divisions respectively of the United Kingdom according to the last census.

Act of 1865.-The following extracts from a memorandum draw. up by Mr. J. M. Grant, the Minister of Crown Lands and Survey, dated Melbeurne, October 23, 1865, will show sueh of the leading features of the amending Act of 1865 ns are likely to interest intending emigrants from this country :-
'Uuder the amending Land Act of 1865, the occupation of land for agricultural purposes, except when obtained under certificate, is in the first instance nequired by lease, the fee simple being purchaseable under certain conditions at the rate of 11 . per acre; and until such purchase is effeeted, a rent oi 2 s . per acre per annum, equivalent to 10 per cent. on the upset price of the land, is exacted. This tenure under rent may be continued for seven years, but at the expiry of that period purchase is compulsory at the rate of $1 l$. per acre, should the tenant desire to secure his improvements, otherwise they become forfeited to the State.

The conditions of lease are as follow:-

1. The lease eamnot be assigned during a period of threc years from the commencement of the term, nor at any time until certai.، improvements have been allected by the tenant
2. Improvements to the value of 11 . per acre in the area leased must be effected by the lessee within two years from the commencement of the lease.
3. When the above improvements have been made, the lessee may, it the expiry of three years, require his leasehold to be exposed to auction with: the vaine of his improvements anded to the noset lefee ol 12 . per acre; and the anount of such valua-
ion will be paid by the purchaser to the lesse should the latter be outbid at the auction.
4. If, however, the leshee reside three years on the land leased, and effect the stipulated imptorments, he will at the termination of that penol he entitled to demand and obtain a grant of his lease hold in fee simple on payment of 11 . per acre.
As a peculiar feature of this Act, it is to le noted that the interest of the lessec caunot bo taken under execution, nor loes it $p$ tss to the efficina assignee of his estate, should he the so unfortunate as to become insolvent; in faet, the lessee cannot be disturbed in his oceupation till the expiry of the three years nllowed for the completion of his improvements.
The restrictions and limitations of the neea of land that may be leased by any one individual tunder the amending Land Act remain as set forth in the Land Act of 1862, the extent being linaited to 640 acres in any one year.
Although the ten inillion agricultural area of the Land Act 1862 included the lands intrinsicall: nost veluable and suitnble for agricultural settle ment, which is vouched for by the fact that the pastoral occupation of that area yielded to the State 107,000 . per annum, while the twenty million of acres under pastoral oceupation beynd the limits of the ten million agricultural area yielled enly 119,0001 ; the range of selection now in the power of intending agriculturists is limites only by the discretion of the Department of Lands and Survey in selecting the position of agricultural areas, which may be surveyed tirroughout the entire colony.
For bringing the amending Land sact of 18 is. into operation, 29 land offices have been establisted thronghout the colony; 188 agricultural ariai have been proclaimed open for selection, enbracing an aggrogate area of $3,251.292$ acres, of which $1,670,739$ lave been selected oy 6,126 certificateloolders and lessees. 501.416 qeres have been withurawn from selection chiefly on the presume? auriferons character of the country ; and $1,033,4 \times 5$ remained, Oct. 23, 1865, open for selection lys the first applieant at the several land offices where these areas were proclaimed open for selection.
Lithographic plans of each area have becaptepared on a scale of $1 f$ inch to one mile; showing the acreage, the numbering and boundary lines of the several allotments into which the area bas been subdivided, the roads surveyed, and the patural features of the conntry.
The surveys of 450,000 acres are now in the ollice, the lithographic plans of which are being rn idly prepared, with a view to the proclamaion of catt extent of land in agricultural areas within a few weeks, By the 10th sect. of the Aet not less than $4,000,000$ acres are to be open ior sclection or purchase within 3 months after the passiag of the Aet, and at least 2,000,000 are to be coustantl? kept open in the proclaimed areas.

In eder to provide additional facilities for the nequisition of land and for the settlement of tha population, the Board of Land nud Works is empowered to allow lessees ro subdivide their allot nents into two or more portions, and to grai separate leases for such purnoses to persons danea by the ori, ${ }^{5}$ inal applicmint. Under this prorisiag the attendance of one person at a land ntife sal fices to secure land for himself and others rhot he inay wish to have as neighbours; and nember of the same family are thus eaabled !s dol farms adjoining each other.
In order to discourage the employment nfare the Board of Land and Works is emporeted disallow applications for land at ay time with thirty days from the date of their receipt.
he provision and Act of 186 ing Act, which, effectual manage peaditure of the in effecting local The cunditions waste lauds by th to December 31, the Land Act 186 Act, the rental to the Cruwn lands land and Works, meal Gazette of D runs then in occupa Auction,-By the dat, all Crown lands axcept those in agri for selection (sec. 10) or auction, at an up uch higher upset pri itions and reservation may direct.

Guantity of Countrer $I$
up to Oct
By. luction up to passing of 1 Auction and selection unile ceterion under Land $A \mathrm{Act}$, to Otoker 23 , 1865

Sumnary of Rates per sands in
B) durtion up to pasting of 1 anne luction of special country lau Selaction and limited auctio
detertion 160 Nictijn uoder the and Anendings

South Aus
The Waste Lands Act. fo an 0 , of i857) $v$ as passed of that year. The followin Act
Abstract of $S_{\text {outh }}$ Act. Sees. 1 and 2.-Wast not to be alienated except b,
See. 3. Reserves,-Giovern lowerer, make reserves fo saiety, convenience, health, churches)
sect 4, Surveys and Size loral lands, all lands to be sil fioc. 5 t exceeding 640 acres hee 5. Deed of Grant,-G the Crown, to coarey lands sead of the province. is. 6. Auction.-Except thond by auction after publi fec. 1 n. More than 3 inontl fec. 7. Classification of $L_{\text {m }}$ Sec. 8. Upset Price suburban,
Sec 9. Govermment may fi smuntry lots on anhi for spe ven lawtullly mats which innpro sec. 10 y made. c. 10. Sale by P sold ouly by nuction, bute Con Wre been exposed to sale at
Uis withdrawn for future sale
Udop private contract at the it fir at auction and not at the
nlid.

COLONIES-COLONY TPADE
The provisions relating to commonage in the Land Act of 1862 temain innaltered in the amending Act, which, howe var, provides for the more peuditure of the surplus fees derivable therefrom in effecting local improvements.
The cunditions of the pastoral occupation of the waste lauds by the squatters remain unaltered up to December 31, 1870 (the period limated by the Land Act 1862). Under the provisions of that Act, the rental to be charged for the oceupation of
the Crown lands was assessed by the land and Works, and published by the Board of ment Gazette of December 1862, the Dumovernruns then in occupation being 1,122 .
Auction.-By the 32nd section of the amendin dot, all Crown lands ic Victoria, wherever situated, except those in agricultural areas proclaimed open fur selection (sec. 10),
oy auction, at an upr. be sold, in fee simple, such higher upset prier and subject to such are, or ditions and reservations, as the Governor in Council may direct.


South Australia.
The Waste Lands Act for this colony (21 Vict., So. 5 , of 1857 ) w as passed on the 19 th November Aft: year. The following is an abstract of the
Abstract of South Australia Waste Lands Act. Secs. 1 and 2.-Waste lands of the Crown not to be alienated except by sale as prescribed by
Alth
Sec. 3. Reserves.-Governor in Council may, bowerer, make reserves for purposes of public sajety, coavenience, health, or enjoyment (except
fordurches).
Sec. 4. Surveys and Size of Lots.-Except pastoral lands, all lands to be surveyed and mapped in lots not exceeding 640 acres before they are sold. the Crown, to conver Grant.-Governor, on behalt of seal of the to corince.
Suc. G, Auction.-Except pastoral, be sold by auction after public notice of lands to than 1 nor more than 3 months. nutice of not less
sec. 7. Classification of Lands,-Lands to be
dexifiod ioto towa, suburban, and country.
Sec. 8. Upset Price,-Lowest upset price, 11 . per
Sec 9, Government may fix a higher upset rine for town lots ani for special country lots, met lautriully made which improvements may have fec 10. Sole made.
be sold only by auction, but countrat.-Tuwn lots Wre been exposeci to sale country iots which withdrawn for future sale by anction) (if doy private contract at the unset priep, or if Wor at auction and not sold, then at the or if
: 4 id.

Sec. 11. Payment of Purchase Mioney case of prirate sales, the whole of the.-In the money to be paid down. At of the purchase cent. down, and the remainder withetions 20 per month.
Sec. 12. Pasture Leases.-The Governor may, Without auction, grant to the first discoverer or first occupier of waste lands, leases of 14 years for pastoral purposes; but no second lease is to be granted unless first put up to auction; the bidwithin hundreds may be granted leases of land put up at auction. By an granted without being of 1858, an annual assessment is imposed of $2 d$. ia head for each sheep which the demised land is estimated to be capable of grazing.
Sie. 13. Mineral Leases.-1 he Gove:nor may of lots not leases of 14 years for mining purposes acre, with exceeding 80 acres, at a rent of 10 s , an paying a fine of not less that 14 years more on jeet to future regulations. Sec. 14. Regulations,-
may make regulations from Governor in Council toral leases, to be officially published. time for pasSec. 15. All regulations maded.
under the Act are to be laid before by Governor
Parbiament within $1 \pm$ days. before the provincial
Sec. 16. Mineral and
Governor in Conncil may mber Licenses,-The months' duration to search for grold fand of 12 metals, and to cut timber on the unsirveyed wasto lands.
Ly an Aet No. 18 of 1858 (22nd Victoria, passed December 24, 1858, to amend the above 'Waste Lands Act') the Governor is empowered, when any lease for pastoral purposes shall have been determundied by to cason of the land being included in any to the lessee or his assighs during the residue of his term.
The Governor is also empowered to make regulations affecting and detiming the issue of depasturing, gold, timber, and mineral licenses; and to fix a higher upset price for suburban land than the lowest upset price fixed for waste lands.
'The Waste Lands Appropriation Act, 1862, $(25 \& 26$ Viet. No. 17 of 1862 ) repeals sec. 19 of the Waste Lands Act of 1857, and appropriates lands to the payment proceeds of the sule of waste of the public debt, and to the making of roadest bridges, railways, and otlier public works. and the remaining third towazds detraying the expenses of the passages of immigrants from the United Act No. 4 of 1857 the provisions of the Inmigration By an of 1857.
sec. 13 of the 'Waste 26 Vict., No. 24 of 1862 , repealed, and other provisions Act' of 1837 is provisions made for granting
By an Act of 29 Vict., No. 8 of 1865-6, sec. 3 of No. 18 of 1858 is repentad, and penalties are imposed for the unauthorised vecupation and use of Crown lands, or for unlawfully depasturing cattle thereon, or for making a false deciaration of commonare; 'T by an Act, No. 10 of the same year, entitled nor Mineral Leases Act, 1865-6;' the Governor may demise Crown lands for the purpose of mining coal in allotments not excceding 20 aeres, and for a period not exceeding is years, and sulject to such rents and covenants as may be and bresibed in regulations which the Govarnor to lay down. Council are therein empowered
13y an Act, No. 16 of 1805 -6, certain pastoral tenauts, whose numes are spec:lied in three selic-
dules, may surrender their lands and get fresh leases by giving notice to the Commissioner of Crown Lands and Immigration within six months of the date of the Aet. The renewed lease in these cases will give an addition of 3 , 6 , or 10 years, ficcording to the schedule in which the tenant is placed. Lessees under the renewed leases are not to be catitled to any further renewal, or to compensation for impre rements save those of a permanent character; and waste lands, which havo not hitherto been held under pastoral lease, may in fiture be leased for a term not excecding 2.5 years; and on the expiration of the term, the lands and all the inprovements thereon are to revert absolntely to the Crown.
liy an $\Lambda$ ct, No. 20 , passed on the same day (March I6, 1866), the (toveruor in Comneil may, winh: four months of the passing of the Act, renit a portion of the rent, or rent and assessment, duc from the pastoral lessees who are named in the three schedules attached to the Act.
The following table shows the quantity of Crown lauds sold and paid for within South Australia duris:g each yenr from the tirst sales:-


## Westein Australia.

By the Goverument Land Regulations, dated Perth, August 20, 1864, and which are printed in extenso at page 264 of the Emigration Commissioners' Annual Report for 1865, the Crown lands are to be divided into four separate classestown, suburban, country, and mineral. Conntry lands are to be sold at a fixed price of 10 s . an acre, and in lots of not less than 40 acres. simaller lots to be charged an additional price Town and suburban lots are to be sold by anction. The size and upset price to be tixed by the Governor.

Oue-tenth of the pureliase money has to be paid at the time of sale, and the rest within 1 calendar month. The lands are to be surveyed and mapped previons to the sale by anction, and all anctions are to be advertised within 3 calendar months of the intended sale.

## Minfiral Lands.

The regulations respecting mincs. 'ands are contaned in a proclamation of the Govemor, dated Jamary 17, 1860, of which the following are the leading teutures.

Mineral Lamels are to be sold in lots of not less
than 80 nor more than 160 acres each, at the fixed price of 31. per acre, payable in 3 equal instal ments; the tirst at th time of application, and $\downarrow$ in each of the 2 following years.
The following Table shows the Sale of Crown Lands in Western Australia, from 180 j 5 to $1 \times 0 \mathrm{it}$ inclusive :-

| Date | Acres | Date | Acres |
| :---: | :---: | :---: | :---: |
| 18.59 | 2,456 | I86: |  |
| 18.57 | 2,713 $.3,368$ | 1864 <br> 3865 <br> 804 | 6, |
| 14.59 | 8,232 | $1 \times 66$ | 7 \% |
| 1861 | 18,193 | 1867 | 13, 3,437 |
| 1861 | 13,151 | Total |  |

## Tismania.

The following is an abstract of the principal Aet of 1863 , and of the Amending Aet of 1867:-
Sec. 2, Reserves-The Governor in Council may make reserves for roads, military defence, or for any purpose of public safety, convenience, health, or enjoyment. The deed of converance must specily the parpose of reservation, and that the land shall be forfeited if approprinted to any other purpose. Sixty days' pulbic notice mitst be given before any such reserves can be made.

Sec. 3. Rescrves for roads or interual eommpnications, if not used, to be revoked by Goremor's proclamation.
See. 4. Regulations.-The Governor in Conacil may from time to time make land reculhtions not inconsistent with the provisions of the Act.

Sees. 5, ti, \& 7. Commissioner of Croan Lamds. - 'lhe Surveyor General to be the "Commissioner of Crown Lands, to act under the direction of the Governor in Council, who may also nppoint a Deputy Commissioner of Crom Lands.

Sccs. 8, 5, \& 89. Classification of LandsWaste lauds-i. e. any lands which are or may become vested in the Crown, and are not dediested to some public use-to be divided juto three classes :-

1. Town lands, i. e. those within the limits of any present or future towo or villape, of within five miles of the boundaries of llobart Town or Launceston.
2. Agricultural Lands, i, c. those within linits proclaimed by tho Governor in Council as
'Agricultural Districts,' or those which the
Commissioner may notify for sale as lgticultural Lands.
3. l'astoral Lands, i. e. lands not comprised in the first class, and not being within agrimeltural districts, which the Commissoner deems unsuitable for eultivation.
Sces, 15 \& 16. Loucest Upset Pric:-The Commissioner from time to time, subject to Goranar' approval, to fix npset price, which is not to be lower than that fixed by the Act, plus the costel survey and the deed of grant. Noland tobeshd below the advertised upset price.
Secs. 1, 12, \& 14. Auction.-Tom lands ia Jobart 'Town and Lanuceston, and other wate linds of the Crown, may be sold by auctionafter being surveyed and mapped, and notice of sale and particulars of lands published within three and not less than one month of sale.
Sce. 13. Size of Lots.-For agricultural hat the lot is rot to exceed 320 , and forpastoral land 1,230 acres.

Secs. 17 \& 18. Sales by Priate Connactlown lands other than those in Jlobart Tumnan

Launceston, an misold at anctio coll by private first applicant and Defore the $]$ ualess there be sance lot, when it Secs. 10, 20, у Any person may, select from moce or lands reserved chase by private 1. ner nere, 320 a lits of not less thi of what are terme is 10 s. na acre, aud thaa 640 acres. in contravention of feited. The land t] nules to be prescribe lots, and must be sul Secs. 27 to 34. $P_{\mathbf{t}}$ Purchasers may elec on credit, or for pron ore-fifth down and tl at, tivate sale the wh chosen, whether the pivate contract, oneadded by way of pre aggregate sum is to be by annual instalments in payment of any inst aad is to le pat up aga If the orenhe instalme Hous to the day tixe deposit and all previo forfeited, and the land to be sold by ansction bdance dac, If sold fo due and deposit, the e original purchaser. In: off at any time, and in $t$ mium is to be proportion is to le sold on credit ata 10
Secs 36 \& 37 . Trans ransfer his land without the Commissioner, until th is paid; but it will pass $t$ mescutacy to his person ecitor or administ rator. Secs, 41 to 49 . Leases must advertise, from time not exceeding l.t years, fix that if the estimate he is uader a depasturingeen pre to such a depasturing licensd to such notice, the annual
than II. per 100 acme than II. per 100 ncres; bu been so occupied, then the
ass than 10s, per 100 ac
Railurays foc-The Gove ase lands for railways or $t$ whin rent.
Pasloral Leases,_The Cor ing 10 yeasement, lease for than years, and at an an than $1 /$ per 100 acres, pastora wot less than 500 y year. Th rent of every dumpe, eny the case is to be $p$ nut ine pox the the lease is to t. Rumbids not paid within a mo Gouberor in incee given with Whe In in thi Councilit if the Wmpensatroituer case the $l$

Launceston, and arricultural and pastoral lands ungold at auction, to he advertised in Gazette and sold by private contract at the upset price to the first applieant within one year after auction, and before the lands are again put up to auction, anless there be simultaneons applications for the same lot, when it is to be again put up to anction. Secs 10, 20, 21, 29, 25, \& 26. Fixed Price.Anypersou may, on paying the expense of survey, sclect from unocenpied land not lieing town lands or lauls reserved for sale, or under lease, and puror hase by private eontract at the fixed price of 11. per acte, 320 acres in one or more adjoining int of not less than 40 acres each. In the caso of what are termed 'unsettled lands' the price is 10 s an aere, and the size of the lot not greater than 640 acres. (Sec. 70.) Any land obtained in contravention of this restriction is to be forfeited. The land thus seleeted to be subject to all ules to be prescribed as to form or figure of such lots, and must be surveyed before grant issued.
Secs, 27 to 34. Payment of Purchase Moncy.Purchasers may elect at time of purehase to buy on credit, or for prompt payment (i. e. at antions one-difit down and the resilue within one month; at rivate sale the whole down). Where credit is chosen, whether the purchase be at auction or by private contract, one-fifth of the price is to be added by way of premium, and one-lifth of the arregate sum is to be paid down, and the residue by anaus instalments of one-tentl. On failure in parment of any instalment within 60 days, the land is to be put up again to sale by auction; and if the orerlue instalment is not paid 14 days previous to the day fixed for the sale, then the deposit and all previous instalments are to be forfeted, and the land is to revert to the Crown to be sold by auction for not less than the bdance due. If sold for more than the balance due and deposit, the excess to be paid to the original purchaser. Instalments may be paid off at any time, and in that case the credit premium is to be proportionately reduced. No land is to be sold on credit where the price is less than 150
Sees, $36 \& 37$. Transfer.-No purchaser can transer lis laud without the written consent of the Commissioner. until the whole purchase money ispaid; but it will pass to his devisee, or in case of intestacy to his personal representative, i. e. executor or administrator.
Sees 41 to 49. Leascs.-The Commissioner must ndvertise, from time to time, lands for leases not exceeding 14 years, fixing the rent acrording to the best estimate le is able to form : provided that if the land las been previously let or oceupied ander a depasturing license withiu one year prior to such notice, the annual rent is not to be less than 14 . por 100 seres; but if the land has not been so oecupied, then the annual rent is not to be less than 10 s. per 100 acres.
Railrays foc,-The Governor in Council may ase lands for railways or tramways at a pepperwan reat.
Pastoral Leases.-The Commissioner may, without advertisement, lease for any term not exceeding 10 years, and at an anmual rent of not less than ll. per 100 acres, pastoral lands not previously meupied within a year. The lots are to coutain not less than 500 nor more than 2,500 acres. Tho nent of erery lease is to be payable half yearly in drince, and the lease is to be determinable if the rat is not paid within a month, also upon a six maths' notice given with the consent of the Governor in Comeil if the land is required for ale. In this latter ease the lessee is to be eatitled th compensation (to be fixed by valuation) for
permanent improvements. If the land be not sold, the lessee is to lave the option of contimuing lis leasc.
'The Amending Act, No. 4 (1867), provides (sees. 3 to 7) for the proelamation and leasinse of agricultural areas, for securing their occupation by the lessee or some member of his family, and for raising money by debentures for the construction of roads and bridges within them. It makes provision (sees, 10 to 18 ) for the lease of lands for mining purposes. It extends (sec, 19) the provisions of the Act of 1863 , which appropriates onefourth of the nett receipts from the sale or lease of land to the construction of roads; (sec. 20) and of other public works also. It fixes (sec, 21) the lowest upset price of land at 20s. an acre, sulyect to a reduction with approval of the fovernor in Council to not less than 10 s , an acre if tho land is not sold within three months of the anction. It also makes (see. 20) provision for the leasing of Crown reserves, and (sec. 26) for the firant of land to municipalities for municipal priposes.
The Act No. 27 of 1867 was passed with reference to a contemplated inmigration of Europeans from India, and authorises the Governor to reserve for three years an area not exceedins 50,000 acres at Castra in the county of Deron, and allows a remission of purchase-money to a.ly persons who may arrive as expected. When 5,000 acres have been sclected the Governor is to expend a sum not exceeding 10s. an acre, to be raised by debentures, in constructing roads and bridyes in the teact so selected.

## New Zealand.

This colony is divided into nine provinces, with a separate Government in each. There is also a General Government over the whole. In the tive provinces of Nelson, Marlborough, Canterbury, Otago, and Southland (formerly part of Otago, but now created a new provit.ce), the Crown has extinguished by purchase the native title over all the lands. In the other four provinces, which are situated in the Northern Island, viz. Auckland, Wellington, Taranaki (formerly New Plymouth), and Hawke's Bay, this result has only been partially effected, and the native title still exists over large tracts.
An Aet (26 Vict. No. 42) has been passed by the General Assembly, enabling natives to sell their lands to private individuals. Previously they were prohibited from alienating their lands, except to the Crown.
The management of the Crown lands thronghout the col ny has, by the Imperial Act 15 \& 16 Vict. c. 72 , granting the colony a Constitution, been vested in the General Assembly. Tlis General Assembly, in its session of 1858, accorlingly passed an Act, No. 75, to regulate the disposal and administration of the waste lands of the Crown in New Zealand. 'This Act (called 'The Waste Lands Act, $1858^{\prime}$ ) gives validity to all regulations for the disposal of the waste ciands of the Crown previonsly in forec in the different provinces, except so far as they may be inconsistent with the Act.
The following are two of the principal provisions of this Act:-

Not more than 320 acres shall be put up to sale by auction in one lot, and the upset price shall in no case be less than 5 s. an acre. After the 1st of August 1860, no land shall be sold upon credit except what may be lawfully set apart for special settlement by expected immigrants. Iriority of choice for the sane piece of land shall, in uo case, be decided by lot, but by auction, at which only
the applicants for the lot shall bo allowed to bid. This provision not to extend to applications heard before the Waste Lands Bonrd at Cauterbury. (See. 1.)

The Governor in Council may, upon the representation of tho superintendent and council of any province, augment the price at which the Crown lamis in that province shall be offered for sale. (Sice. 2.)

## West Indies.

Crown lands and forests may under Act No. 14 of 1861 be sold by auction at an upset price of not less than 12 . per acre.
Antigun and Dominica.-The smallest lot sold is 40 aeres, except in certain localities for villages.
British Guiana.-The disposal of Crown lands is now regulatel by Act No. 14 of 1861, which saves the rights of the owners of plantations who, minder the old regulations of their High Mightinesses the States of Holland, are entitlet to second or other depths of 250 acres as soon as two-thirls of the first grant are in cultivation.
It is not the practice in British Guiana to open on survey any lands for settlement until after application has been made to the Government tor some particular tract.
Trinidad.-The price of Crown land is 21 . per acre. All limitations as to the number of acres have fallen into desuetude. Lagoon or swampy land is soll at a lower rate, and building lots are higher, depending on competition.
Bahamas.-The mode ot snle is by auction, but the Governor is from time to time to name the upset price, which is never to be less than 6s. per acre. Land onee exposed to auction may, in the diseretion of the Governor, be afterwards sold by private contrnet, at not less than the upset price of such land. The ordinary size of the lots in the Bahamns is to be 20 acres, but lots of 5 acres may, if thought expedient, be disposed of.
Jamaica.-There are no regulations in force in this island for the disposal of puhlie lands, pasture licenses de.

## Care of Good Hope.

The conditions and regulations relative to the disposal of Crown lands in this colony are contained in Acts No. 2 of 1860, No. 19 of 1864, and Nos. 4 and 12 of 1867 ; and in future all waste and unapproprinted Crown lands will be sold subject to an annual quit rent on each lot, and at a reserved price sutficient to defray the costs of inspeetion, erectiou of beacons, survey, and title deed.

Natal.-1. The unappropriated Crown lands in this colony are sold in freehold, and by publie auction only.
2. Unless it is otherwise notified, the upset price will be $4 s$ s. per acre, but the Governor frr the time leing will have the power to fix such . .fher upset price as the locality or other circumstances may renter expedient, of which due notice will always be publicly given. Iands not sold at auction may at any time within threo years afterwards be purchased by private contract at the upset price.

## Mauritius.

The Crown lands, with the exception of portions reservel for special purposes, shall be sold in perpetuity or ieased at the discretion of the Governor, but may not be alienated from the Crown by free grants.

## Cerlon.

Crown lands are sold by auction at an upset priec fixed by the Governor, at not less than 1i. per nere. They must be previously surveyed by the Government and duly advertised.

The Crown lands are disposed of only on leases by public anction for a premium or bonus at a fixed rental.

## Labuan.

The method here ls similar to that in Hong Keng.
Summary of Modes of Sale, and Priess, in the Principal Land-Selling Colomies.


Table of Colonial Public Lands Alienated and Remaining for Alienation at the Date of the Last Returns.

${ }^{2}$ The total area of C pper Canndn, within the waternhed of the St. Law rence and the Lakes, is $77,606,450$ acres, and of Lower Canada



The timaseef area of Yietorim In about 55,600,000 acres, or
1 Within the limimol Wetern Australia, open t,






Rights of Commonage and Leases of Pasturg Lands in Australia,
New South Wales.-The following is the subsance of the priacipal provisions of the Crown Lands Occupation Act, No. 2 of 25 Vict., 1861. For the purposes of the Act the Crown Lands are divided into three elasses; viz. 'First-class Setthed Districts,' 'Second-elass Settled Districts,' and 'Cnsettled Districts.' It repeals the Acts of Conncil, 11 Vict. No. 61 and 16 Vict. No. 29, and the Orders in Council and Regulations issued under the Imperial Act, 9 and 10 Vict. c. 104, sring all rights already acquired under them. It empowers the Governor, with the advice of the Executive Council, to proclaim any part of the
unsettled districts to be within the Second-class Settled Districts, but so as not to affeet existing leases. (Sce. 3.)

It prohibits the renewal of existing leases, except under the provisions of the Act, and onables the Government to withdraw from any runs lands required for town or village sites, for internal communications, or for any public purpose whatever. (Secs. 4 \& 5.)
It then provides that Crown lands not comprised within 'old runs' (that is, runs under leases or licenses granted or contracteci to be granted before February 22, 1858, in the second-class settled or unsettled districts) or not comprised within certain distances of towns or villages, and not being public reserves, may be leased, subject to the provi-
sions of the Gold Fields Aet (20 Vict., No. 29) and withont competition, for pastornl purposes, for 1 vear if in the tirst-clnss settled districts-and for 5 years if within the second-class settled districts or the unsettled districts-or if required for ferries, bridges, wharves, machinery for saw-mills \&c.-and for 14 years if for mineral purposes other than gold mining. (Sce. 10.)
Lenses of runs in the tirst-class settled districts are to contnin not less than l square mile, nud are all to expire on December 31, with tho right, however, of renewal annually, by payment of a rent for the ensuing yenr, at the rate of $2 l$, per square mile, or suech ligher zate ns the lessees may be paying, subject nevertheless to the right of the Government to withdrnw the lands for sale or for any public purpose. The hollers of land in fee simple may also acquire, without competition, at the rent of $2 \%$. per square mile, leases of adjoining land to the extent of three times their purchased land. Competitors for the same tract of land are to have it dividel hetween them by nrbitration. Crown lands not previonsly under lease, or subject to a pre-emptive right of lease, are to be sold by anction atter 1 month's notice of sale in the 'Ginzette,' at an upset price of 11. per square mile, or of 10 s . if half the current year should have expired, and the whole of the purchase money is to be paid at the time of sale. If not sold at auction, the land may be afterwards purchnsed by private contract at the upset price; but the sale by the Government of any portion of the land under lease is to cancel so much of thic lense as relates to the land sold and to 3 times the adjoining area. (Secs. 2 \& 12.)

With regard to lands in the 'Second-elass Settled Districts' or in the Unsettled Districts.' the Governor, with the advice of the Executive Commcil, may grant lenses, subject to the following conditions:-1. Fxisting leases of rums may be converted into leases for 5 years under the Act, by payment, within 2 months of the 'Gazette' notice, of n rent to be determined by appraisement of the fair anuaal value (exclusive of improvements) of the lands for pastoral purposes; and on such conversion the runs cease to be liable to assessment under the Aet 22 Vict. No. 17. 2. Leases of 'old runs' may, on their expirntion, be in like manner converted into leases for 5 years. 3. After the first year the rent is to be payable on December 31, with a fine of 8 per cent. if in arrear not more than 3 months, and of 10 per cent. if more than 3 months; and if in arrear 6 months the lease to be forfeited. 4. These leases are not to confer nny right to purchase pre-emption. 5. The Crown may resume without compensation (except a return of a proportionate part of the rent) any of the lands under lease required for town or village sites, or for any public purpose whatever; but the lessee has then the option of surrendering the lease if he thinks fit, and obtaining a re-fund of the full balance of the rent. (Sec. 13.)
The additional regulations, dated $A$ pril 28, 1865, provide more effectually for the appraisement of the fair annual value of runs prior to their conversion into leases for 5 years under the Act, more particularly as to the mode of making the appraisements, which are required to be determined in open Court at a place proclaimed for the purpose, upon due enquiry and consideration of any evidence submitted to the apprnisers, and taking into account every natural alvantage or element of value possessed by a run (exclusive of improvements), whether made available by the lessee or not.

Forfeited leases are disposed of by auction, (Sec. 17.)
Each rum is put up nt a minimum upset rental, and the lease sold to the person who may offer the lighest premium for the purchase thereof. The purchaser is required to pay down at the time if sale a deposit equivalent to 25 per cent. of the preminm, if any offered, for the lense, torgether with the upset rent for the year, and the bnlance of the purchase money must be paid into the Treasury within three months of the day of sale, or in lefault the sale becomes void, and the amounts paid by way of deposit are forfeited. Runs of which the leases may remain unsold after having ben twice offered for sale at auction may be obtainel on application at the rent at whieh they were last offered.

The Governor, with the advice of the Executive Council, may proclaim pastornl districts in the 'second-class settlel' or in the 'unsettled di;tricts,' to be open for the formation of runs. The aren of these runs not, in ordinary cases, to exceed 25 square miles, unless that extent bo insufticient in avernge seasons to depasture 4,000 sheep or $x$ (if) cattle. In such conse the area may be eniarged to not exceeding 100 square miles. The runs are to be tendered for in a form preseribed for the purpose, and, in case of competition, leased to the highest tenderer. If the run be not stocked with not less than 200 head of cattle or 1,000 sheep within 6 months, or where water is to be provided by artificial means within 18 months, the nin is to be forfeited, and may then be leased by auction. A receipt from the Colonial Treasurer, showing the deposit of 25 per cent. of the rent offered, must accompany each tender; and the money is to he retained or returned accorling as the tender is accepted or rejected. Pending appraisement of the fair aanual value of land for pastornl purposes, runs mny be held from year to yenr sulbject to a rent of 101 . per anaum, and to assessment under the Act 27 Vict. No. 17. (Sic. 14.)

If a lessee by artificial means inereases to a certhin extent the permanent depasturing capneity of the land, he will be entitled to an extension of his lense to 10 years. (See. 15.)
The owners in fee simple of lands within the unsettled nad second-class settled districts hive the same right of pre-emptive leases of adjoining Crown lands as are granted to fee simple proprietors of lands in the first-class settled distnicts; and, as in the case of lands in those districts, asle cancels a lease as regards the land sold and thre times the adjoining area. (Secs, $16 \& 18$.
A limited right of depasturing stock, traveling over leased lands, and also the right to dulyanthorised persons to cut timber or to search fot minerals, are reserved. (Secs. 19 \& 21.)
Mining Leases.-The Government may grant mining leases (except for gold), not exceeling 320 acres for coal, nor exceeding 80 acres for other minerals, for a period not exceeding 14 years, with the right of renewal for another 14 years, subjeat to a rent of 5 s. per acre, payable aunually in ald vance; and to the condition of expending at the rate of 51 . per acre on the land withia the first 3 years. The lessee may determine the lease on giving 3 mouths' notice, but is not eatitled tonay refund of the rent. To renew the lease, the lessee must give notice in writing to the Govemment during the 13th year; nnd the fine to be paid on renewal is to be determined by appraisement, but is in no case to be less than $2 \%$. 10s. per acre. (Sec. 22.)
There are certain other minor and formal provisions in the Act, including those for regulating
the appointment and duties of appraisers and ruifritors; but the foregoing abstruct embraces athe paling features of the measure.
Timber Licenses are granted annually, termipatiat on December 31, on payment of a fee, for uring any kind of timber or bark ti., for cutting hat wood or bark ouly el., and for quarrying toue dec. 11.

## Soutir Australia.

Depasturing Regulations.-The holder of any puchased land within any humitred uot beimg within the limits of a District Council is entitled, ondet the proclamation of April 2, 1862, should there be sutticient commonage available, to a depasturar license over the tmappropriated waste ands of the Crown within such hamdred, for two head of great cattle or twelve head of small cattle, fir erery five acres of purchased land.
The license must be applied for to the Commissiness of Crown Lands, not later than 1st June in ach year, and has a currency of 12 months from las duly ia cach year. The fee payable is $4 s$. for frery head of great eattle, or six head of small cattle.
Requations of District Councils are subordinate to thees eqgulations.
Pastoral leases are also granted, for 1.1 years, of lands out of hundreds.
Iy an Act. No. 20, of 22 Viet. (1858), Crown lands for pasturage are to be divided into two classes, the lowest of which is to be assessed at 100 sheep per square mile, and the highest at 250 sheep. But by an Act, No. 20 , of $24 \& 25$ Vict. (1861), this division of land into classes and the fised standard of grazing capability are done aray mith, and all land leased for pasture is in fature to be assessed according to its grazing capabilities and situation. 1by a later Act, No. 22, of 1862 , the waste lands are divided, for purposes of assessment, into three elasses, with certain boundaries: 1st class paying assessment according to valuation under furmer Act; 2nd dass paying onc-half such assessment, and exempted from it for 7 instead of 1 years; 3rd elass exempted altogether until Parliament shail otherFise direct.
By an Act, No. 13, of 1863, the assessment on pastoral lands may be reduced by the Governor with the consent of the lixecutive Council on the report of the valuator of runs, if application for the purpose be made within 12 calentar mouths of the publication of the assessment.
Lader Aet 20 of 1858 leases are renewable, on expiry of first term of 14 years, for a further period of five years at a valuation; and Act No. 8 of 1864 provides that the value of useful and substantial improvements effected by lessees shall be allowed to them by a reduction in the amount of tent payable under eres valuation.
Timber Licenses are granted annually, terminable on 31 st December, on payment of a fee of 51 . Half-rearly licenses are issued on payment of a fee of 3.1 ; quarterly licenses to remove timber 21 . Pasture licenses are also granted in Western Asstralia, Queensland, and New Zealand.
Considering that it may, speaking generally, be laidown that in New South Wales from 3 to 4 neres areregaired to depasturea single shecp, it is obvions that the plan of selling such land at a minimum pise of 12s. or 20s. an acre would effectually prerent its being bought for pastoral purposes; and. in point of fact, incomparably the greater number of the sheep belonging to the colony are depastared on what has been called the squatting system. A capitalist intending to become a wool grower formerly took out an annual license, for which he
paid 10\%, authorising himi to acpasture a rum, or tract of land, of no definite magnitude, but usually varying in-size from 3,000 or 4,000 to perhaps 25,000 or 30,000 acres, under the important proviso (which, however, has not been enforect) that he should pay in addition an ammal rent of $1 d$, for every head of sheep and of $3 d$. fir every head of cattle depastured on the rum. This system having been acted upon for a leugthened period, the runs began to be regarded as a sort of quasi property: and those in preferable situations were disposed of by one holder to another for considerable sums. Ii the end, however, Government was foreed to interfero with this system ; and the let $9 \mathbb{1} 10$ Vict. c. 104 empowered the authorities to ajset personsinlawfully occupying waste lands, provided they had not held them without interruption fur 21 years previously to the prssing of the Act. If they had done this, their title was secured. From the passing of this Act, a new and complicated system has beenadopted for the disnosal of waste lands. Under its operation vast tracts have been let, of what were at tho time unsettled districts, for 14 years with a right of pre-emption, without competition, at $1 l$. per acre. But, in the mean time, portions of the land so disposed of, being fonnd to contain deposits of gold, have suddenly become of the greatest value; while other and far more extensive portions in the vicinity of the 'diggings' are urgently required for agricultural purposes. Under such circumstances we need not be surprised that the question in regard to the lands held, or alleged to be held, under 14 years' leases with a right of pre-emption should have become of equal importance and difficulty. Owing to the want of surveys and defined boundaries, few of the occupiers of waste lands have obtained leases; and while, on the one hand, they insist on the fulfilment of their contracts, they are opposed, on the other, by the great bulk of the population, who justly object to the waste of the public property, and to the all but irreparable injury that would be done to the colony by handing over to a few individuals a vast extent of what is now become very valuable land. The idea that the leases, if granted. would be effectual, is, in the present state of the colony, quite preposterous. It is, in truth, all but contradietory to suppose that in a country like Australia, with a population increasing in numbers and wealth with unparalleled rapidity, millions of acres of the best situated lands should be engrossed, at a mere nominal rent, by a handful of indivichals. If a system of this sort be not put an end to by the interference of Government, it will, no doubt, be forcibly suppressed by the colonists themselves. It is too diagrant an absurdity to be tolerated, and the better way would be to come, while it is yet time, to some sort of compromise; that is, to give some compensation to the lessees for claims which were conceded to them in ignorance, and which they cannot, in the existing state of things, maintain or make good.

Gold Ficlds and Miners' Rights.-Desides their great pastoral and agricultural eapabilities, tho Australian colonies possess vast mineral resources. South Australia has already become noted for her copper mines, and New Sonth Wales and Vietoria (late Port Phillip) and New Zealand for their grold fields.

By law all mines of gold and all fold in its natural place of dejosit, whether on the lands of the Crown or of private individuals, belong by jrerogative to the Crown; and whoever takes nway gold metal or ore containing gold, or dies for or disturbs the soil on the waste lands of the Crown in seareh of gold metal or ore, without having been tirst duly authorised so to do, is liable to be pro-
sceuted both criminally and eivilly, and the gold may be seized by the Crown.
In south Australia, however, the Crown has given up its right to minerals.

In Tusmania no pold regulations have been issued, as no profitable gold fields havo yet been diseovered.
In New South Wales, Victoria, and New \%ealand



## Neiv Soutir Wales.

A Coloninl Aet, 30 Vict. No. 8, 'The Gold Fields Act of 1866,' empowers the Governor to proclaim Crown lands to be gold fields, and to grant 'miners' rights' nt a fee of 10 s . between January 1 and June 30 , and 5 s . after that date, subjeet to certain regulations to be prescribed by the Governor in Council. All miners' rights are to terminate on December 31 in each year. (Sees. 3, 4, \& 5.$)$
The Governor in Council may also grant ' Business Lieenses,' which must terminate on December 31 in each year, the fee for which is 11 . if granted between Jannary 1 and June 30, nad 10s. if granted after Jume 30. (Sec. 6.)
Lenses of nuriferous lands may be obtained in necordance with the laws in force for the time being. The rent is to be fixed by the Governor in Council. (See. 7.)
The escort of gold from the principal gold fields is undertaken by Gevernment, at a eharge of $8 d$. per ounce.
The dinty on gold exported from New South Wales, whether by sen or land, is now fixed at Is, Gid. the troy oz., but the customs duty is not to be leviable on gold which has paid duty at the Mint.

## Queensland.

Four gold fields haye been alresdy diseovered nnd proclaimed in this eslony, riz. at Clermont (on the Peak Downs), at Talgai (on the Darling lowns), near the town of Gladstone (Port Curtis), and near the town of Rochampton.

## Victonia.

Under the 'Mining Statute, 1865,' 29 Vict. No. 291 (pnssed November 28, 1865), 'Miners lights' nre issued for any number of years not exceeding 15 , at the rate of 5 s , for every yenr. Consolidnted 'Miners' lights' are issued for the like period on the application of the manager, or any trustec or trustees of any company of persons who shall have agreed to work in partnership any claims registered under the Act, on payment of a sum at the prescribed rate, multiplied by the number of ' miners' rights' which the same is to represent.
The ' miners' rights ' entitle the holders to take possession for gold mining parposes, and for residenee, of so mueh of the Crown lands ns may be prescribed by the bye-laws of the Local Mining Board of the district within which the land is situated.

From June 1, 1855 , to December 31, 1895 , the number of miners' rights issued wns 454,901 .
Business Licenses are issued at the folloring rates, entitling the holders to occupy and earry of lusiness on the gold fields on such portions of the Crowin lands, not exceeding one quarter of an acre, as may be preseribed by the Local Nining Board :-

For six months -

Leases of auriferons lands are granted under the provisions of the ' Mining Statute, 1865,' for any term not exceeding 15 years.
Rent.-The rent fixed is at $1 l$. per acre per nnnum.
The total number of auriferous leases grantol down to December 31, 1866, was 3,098 for 50,013 acres.

The Export Duty on Gold during 1867 was $6 d$ net ounce troy, and on January 1, 1868, the es pert of gold became duty free.

The Gold Fields of Victoria are divided into six principal districts. These are again divided into mining divisions or sub-districts, as occasion may require, and are each placed under the superision of a warden. There is also a mining surveryor and registrar for each division or subdivision. The districts now embrace the total area of the colbay save a small portion in the immediate vicinity the city of Melbourne.
This Table is taken as regards New South Ifie from the annual Statistical Register of the colon! and as regards Victoria from official Colonial in ports :-

| Year | New South Walen |  | Victoris |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity exported | Valua | Quantity exported | Valoe |
| 1851 | 144, 120 | $\underset{468,3.6}{f}$ | 145,157 | $4{ }_{\text {c }}^{6}$ |
| 18.59 | 988, 873 | 3,600,175 | 1,9491,588 | 6, 13,14 |
| 18.3 .3 | 548,032 | 1,781,171 | \% 437,783 | 8,54, 5 |
| 18.85 | $\begin{array}{r}437,910 \\ 64.584 \\ \hline\end{array}$ | 773,249 9199250 | \% $2,144,699$ |  |
| $1 \times 56$ | 42,463 | 138,107 | 4,985,991 | ${ }_{11}$ |
| 1857 | 2.3.35i4 | 983,850 | 2,764,460 | 10,987, 901 |
| 18.58 | 254,907 | 99 d,960 | 2,328,4i8 | 10,107.05 |
| 18.59 | 43.3,99.5 | 1,698,07s | 4,280,950 | 9,129ati |
| 1860 | 483,012 | 1,576,049 | 2,148,466 | 8,313,45 |
| ${ }^{1861}$ | 488,243 | 1,890,908 | 1,978,864 | 7,91535 |
| 1864 | 699,566 | 2,715,1137 | 1,664, 179 | 6,699,94 |
| 1863 | 603,72\% | 2,361,949 | 1,667,016 | 6,50965 |
| 1864 | 721, 297 | 2,951,671 | 1,543,449 | 6, $6,466,514$ |
| 1865 | 688,541 | 2,647, 6768 | 1,536,737 | 6,29,3/1 |
| 1466 $1 \times 67$ | 742,250 | 2,924,891 | 1,140, ${ }^{1}$ |  |
| Totat | 7,528,704 | 30,185,374. | 33,49\%,713 | 131,46, ${ }^{3}$ |


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## COLONIES COLONY TRADE

levislative boly tern ming dinetricts there in a harto til the dintriet ulfairs and occupationy, with rempect to mining Fach of these bonris comints of teas liceases. four of whom retire from each boand membern rotation.
Each district has ita separate Court of Mines Whe of the judpes of the Supreme Court is appointei oos.t as chief jucke of the Court.
The quantity of gold probluced at the mines in Sew South thales campot be accurately ascerand estimated value of cold exported the guantity south Waler and Vietorin exparted from New mrint of dlscoveries in May since the commenceThe establlishment May and Oetober, 1851. necomet for the mmall amomint of at Sydney will

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| Sear | Per Eisent | Fisportel | fialue at Whis, jer em. | I verame yently cirringus juer man frep anmum |
| :---: | :---: | :---: | :---: | :---: |
| 18.310 | ${ }_{\text {119, }}^{\text {Or, }}$ | 14.3, 16 | $\underline{L}$ | A |
| 1 N 0.3 | Y, y:7, $17 / 18$ | y, v1m,7my | 4, initini | T11 i 7 , 10 |
| $1 \mathrm{~N}, 15$ | fi,nctany | Y, h\%6, ${ }^{\text {a }}$ |  | \%ry 11 6.16 |
| 14.31 | y, ixe, ${ }^{\text {a }}$ | 4, $1.61,2$, ${ }^{\text {a }}$ | S, mily | Yird 130 |
| ${ }_{\text {1 }}^{1 \times 37}$ |  | \%,ins, 991 | 11.010 .140 |  |
| $1 \times .58$ |  | y, 76y,466 |  | 11,3118 |
| 14.0 | y, \%ry, 18 |  | 10,13.9, 14 |  |
| [ MHI |  |  | 3, $12.3,3 \times N)$ |  |
| $1 \times 18$ |  | 1,167,4\%1 |  | ${ }^{89} 19198$ |
| 1N6. ${ }^{\text {a }}$ | i, 1 \% $)_{m}$ | 1,58w, wis | 6, 6 \%y, $\times 14$ | $77_{6} 1811$ |
| 1M64 |  | $1,1636.18 \%$ | 6, 3178.489 |  |
| 1M63 |  |  | 6,178, 676 | $i_{13} 10.18$ |
| Total |  | 1,174,101 | $6,174.201$ 6,915776 | 714 |
|  |  | 178,86.) | 9, | mi1) 3 |

The eseorts from mom
Ballarat were discontinued anil ninee that date the only everarch 31, 1864, Mellourne are those from the eneorts arrlving in Wools' Polnts 1histricts: the lhevelhworth and loeing incompleto aro omitted
List of the Principal Gold Minuing Ding incompleto aro vinitted.


| Avilarac. <br> Hun inyong <br> vengliz. <br> mythe's Dale. <br> Treiwlit. <br> Wactuood. <br> fividen. <br> Bine DIt, Hoath. | Castlemaine. <br> Fryer's fireut. <br> Ilepharn. <br> Tarminte. <br> Naint A ndrewn, <br> Kyneton. <br> Eine Nt. North. |
| :---: | :---: |

## New Zealani

frold fields exist, and are worked, in the proriuces of Auckland, Nelson, and Otago. The proonlony is contained and rold mining in this juif ${ }^{\prime}(30$ Vict. Nio, il2), and thold Flelds Act, Adts (Now, tis \& 69 of 31 Viut the two amending leading features they follow the learist. In their teria.
The quantity aud value of gold exported from
Sew Zealand from April 1, 1807 to liew Zealnand from April 1,1857, to September 30 ,

| Produce of fintal Fielda in the Province of | Total exported to Seporminet 30, 1867 |  |
| :---: | :---: | :---: |
|  | Quantily | Value |
| Vectland - |  |  |
| (Yelicomugh | $4.317,794$ 33,774 |  |
| ${ }^{\text {andmbury }}$. | -864, 1273 | 3, 3646,790 |
| Smithand Toal |  | 3, $3,1196,034$ |
| Total |  | -11,478 |

Otago,-The area of the proclaimed gold fields bas been calculated at 24 millions of acres, distri-
Tuapeta


Canada.
Preciuns Metals. Mining for the precious metals mgulated by the 'Gold Mines Act,' 27 \& 28 Vict. (4, passed June 30, 1864; amended by 29 Vict. c. 9 (xim). Under these laws, two gold mining diviwn lave been established; one called 'Chaudiere, weother 'St. Francis,' in Canada East; but these are not been very productive. The governor apy appoint officers; and two inspectors have
an appointed, one for each division.

No person to mine without a iicense. There are two kinds of licenses-one 'C'rowns lands gold and the olls. per month, for unsold Crown land, per month, for private jands gold license,' I dol, per month, for private lands, the minere, 1 dol,
taining the consent of the proprietor

> Britran Concounia

Gohl wan known to Concman
Island in 1850, but to exist in Queen Charlotte's that Governor Dout it was not until April 18 big of State that considerableported to the seeretary been found in the Uppe. Columbities of goll hai subsequently diseovered Colnmbia River. It was sit in the districts of Fra its natiaral state of deposon's Liver, commonly Coutean, and Shusway known as the (2tantlan, tensive fold tieldsway comntries. Lieh and exdiscovered in theds were in the summer of $186 i^{-}$ known as the 'Hip portion of the Colnmbia liver $52^{\circ}$ North latitude. Bend,' lying between $51 \circ$ and The gold mining an Ordinance, No. regulations are contained in nance to amend and, Marelı $28,186.0-$ 'an OrdiLaws.'
Mining leas
Commingioner for mininu granted by the Gold commissioner for mining purposes only, on payassigned or sub-let, and ; but the lease cannot be for a longer term than 10 years, in general, to be than :-

In iry diggings, 10 aeres.
In bar diggings unworked, $\frac{1}{2}$
along the high-water mark. mile in length
In quartz reef and abandoned, $1 \frac{1}{2} \mathrm{mi}$
Do. worked and aborked, $\frac{1}{2}$ mile in length. An assay ollice has bened $1 \frac{1}{2}$ mile.
Westminster olfice has been established at New 186.5, amonntine A duty on gold was imposed in assayed at the Goveruner oz. But gold which is 1s. 6d. per oz.


The table on a brief space a respecting our

The discorer trict of Sooke, prove an addit more eapecially livingat the mir
IV. Regula

Tr.
These are e tion Acts, the 1 c, $96,20 \& 21 \mathrm{~V}$ and are as follo referring to sug subsequent colon Absolute Proh powder, ammunit cept from the U possession, and bs absolutely prohibi either by sea or into the British Mautitius.
Sugar (not bein Kingdom) and m rum, such sugar, produre or manufa within the limits charter (except as of forciga produce $o$ hibited to be impor Bnitish possessions America or in the Rermuda islands no nitius except to be we and may also by her prohibited to be im Bermuds islands; a ported or brought in sions in America or t the same shall be for it shall be lawful to sessions in the West and into the Mauriti duce of sny British of the Esst India the importation of $s$ any forcign country, into which foreign imported, has been such sugar or rum s master of the import pryper officer of custor the hand of the prop the same shall have we name of the dist rum was produced, t stength thereof, as and denomination of mee, and the name rece laden, and of th oticer giring the sam rum shall likewise prouluced a certiticate the collector or assist sugar and raun of th rual tras the produce
mportation into such
am, or sugar and rur
possession into which
an be legally impor master shall subscribe

The table on the preceding page embodies within bricf space a good deul of important information respecting our colonies in all parts of tho woild.

Vancouver Istand.
The discovery in 1864 of a gold field in the district of Sooke, within 18 miles of Victoria, will rove an additional inducement to immigration, more especially when it is known that the cost of liviag at the minesscarccly exceeds that in Victoria.
IV. Regulations under wihei Colony Trade is conducted.
These are embodied in the Customs Consolidaiod Acts, the 16 \& 17 Vict. c. 107,18 \& 19 Vict. c. $96,20 \& 21$ Vict. c. 62, and $25 \& 26$ Vict. c. 63, and are as follows; though some, such as thore refering to sugar, are virtually superseded by subsequent colonial tariffs [TARIFFs], viz.-
Absolute Prohibitions, Kestrictions \&c.-Gunporder, smmunition, arms, or utensils of war, except from the United Kingdom or any British possession, and bsse or counterfeit coin, are hereby absolutely prohibited to be imported or brought, either by sea or inland carriase or navigution, jute the British posscssions in Amcrica and the Slauritius.
Sugar (not being refined in bond in the United Kingdom) and molasses until July 5, 1854, and num, such sugar, molasses, and rum being the produce or manufacture of any British possession within the limits of the East India Company's chater (except as hercinafter provided), or being of foreiga produce or manufacture, are hereby prohibited to be imported or brought into any of the British possessions in the continent of South America or in the West Indies (the Bahsina or Bermuda islands not included), or into the Mausitus except to be warchoused for exportation only, and may also by her Majesty's ordor in council be prohibited to be imported into the Bahama and Bermuda islands; and if any goods shall be imported or brought into any of the l3ritish possessions in America or the Mauritius contrary hereto, the same shsll be forfeited : provided always, that it shall be lawful to import into any British possessions in the West Indies and South America, and into the Mauritius, any sucgar or rum the produce of any British possession rithin the limits of the East India Company's charter into which the importation of sugar or rum the produce of any foreign country, or of any British possession into which foreign sugar or rum may be legally imported, has been prohibiced; provided that no such sugar or rum shall be so entrred unless the master of the importing ship ehsll deliver to the proper officer of customs a certificate of origin under the hand of the proper officer at the place where the same shall have been tsken on board, stating the name of the district in which such sugar or rum was produced, the quantity and quality or strensth thereof, as the case may be, the number and deaomination of the packages containing the same, and the name of the ship in which they were laden, and of the master thereof, and of the oficer giving the same; the shipper of such sugar or rum shsll likewise certify that there had been produced a certificate under the hand and seal of the collector or assistant collector of the land or customs revenue of the district within rybich such sugar and rum were produced, that such sugsr or mua was the produce of such district, and that the ;importation into such district of forcign sugar and rum, or sugar and rum the growth of any British pasession into which any foreign sugar or rum can be legally imported, is prohibited, and the master shall subscribe a declaration that such cer-
tificate was received by him at the place where the goods were taken on board, nnd that they are the goods therein mentioned.- 16 \& 17 Vict. c. 107. (Sec. 159.)

The Islands in the Bay of IIonduras called the Bay Islands shall be deemed and taken to be excepted or excluded from the operation of Section 159 of the 'Customs Consolidation Act, 1853,' to the same extent as the Bahamas or Bermuda 1slands are thereby excepted or excluded.-18 \& 19 Vict. c. 96 s. 17.

Foreign Reprints of Books under Copyright pro-hibited.-Any books whercin the copyright shall be subsisting, first compesed or written or printed in the United Kingdom, and printed or reprinted in any other eountry, shall be and are hereby sbsolutely prohibited to be imported into the British possessions abroad: pro id ad always, that no such books shall be prohibited .0 be importel as aforesaid unless the proprietor of such copyright, or his agent, shall have given notice in writing to the Commissioners of Customs that such copyright subsists, and in such notice shall have stated when the copyright will expire; and the said commissioners shall cause to be made; snd to be publicly exposed at the several ports in the British possessions abroal, from time to time, printed lists of books respecting which such notice shall have been duly given. and all books imported contrary thereto shall be forfeited; but nothing herein contained sliall be taken to prevent her Majesty from exercising the powers vested in her by the $10 \& 11$ Vict. c. $9 \overline{5}$, to suspend in certain cases such prohibition. -16 \& 17 Vict. c. 107. (Scc. 160.)

Foreign Manufactures with British Marks,-If any articles of foreign msnufacture, and any packages of such articles, bearing any names, brands, or marks being or purporting to be the names, brands, or marks of manufacturers resident in the United Kingelom, be imported into any of the British possessions abroad, the same shall be forfeited. (Sec. 161.) [Copyrignt.]

Sugar \&cc, though British, deemed Foreign in ceriain Cases,-All sugar and molasses, until July 5,1854 , and rum (although the same may be of British plantations), exported from any of the British possessions in Anerica into which the like goods of foreign production can be legally imported, shall, upon subsequent importation from thence into any of the British possessions in America or the Mauritius into which such gools being of forcign production cannot be legally imported, or into the United Kingdom, be deemed to be of foreign production, and shall be liable on such importation respectively to the same duties or the same forfeitures as articles of the like description being of forcign production would be liable to, unless the same shall have been duly warchoused, and exported from the warehouse dircet to such other British possession, or to the United Kiugdom as the case may be. (Sec. 162.)

Coasting Trade of the British Possessions.-No goods or passengers shall be carried from onc part of any British possession in Asia, Africa, or America to another part of the same possession, except in British ships. (Sec. 163.)

Ship and Cargo to be reported on Arrival.-The master of every ship arriving in any of the Britis! possessions in America or the Channel Islands, whether laden or in ballast, shall come directly, and before bulk be broken, to the custom-house for the port or district where he arrives, and there make a report in writing to the proper officcr of customs, in the same form and manner as hercinbefore provided on the arrival of any ship in the linited Kingdom [Impontation \& Exirortation] so far as the same may be applicable; and
if any grools be unlaiden from any ship before sueh
report be made, or if the master fail to make such report be made, or if the master fail to make such rejort, or make an untrue report, or do not truly answer the questions demanded of him, he shail forfeit the sum of 501 ; and if any goods be not reported, such goods slall be forfeited. (Sec. 164.)
Fintry outurarils of Ship or Curgo.-The master of every ship bound tron any liritish possessions abrond, except the territories subject to the Goverument of the presidencies of Bengal, Madras, and Bombay, shall deliver to the proper officer of customs an entry outwards ander his hand of such ship, and also subseribe and deliver to such offieer a content of the cargo of such ship, if any, or state that she is in ballast, as the case may be, and answer such questions concerning the ship, cargo, if any, and voyage, as shall be demanded of him, in the same manner, as nearly us may be, as is prescribed to be observed on the entry and departure of eny ship from the United Kinglom, and thereupen the proper officer shall give to the master a certiticote of the elearance of such ship for her intended voyage; and if the ship shali depart without such clearance, or if the master shall deliver a false content, or shall not truly answer the questions demanded of him, he shinill torfeit the sum of 501 . (Sec. 165.)
Entry of Goods Inveards and Outuards.-Any person entering goods shall deliver to the proper officer a bill ef entry thereof, containing the name of the ship and of the master, and of the place to or from which bound, and the particulars of the quality and quantity of the goods, and the packages containing the same, stating whether such goods be the produce of the British possessions in America or not, and the proper officer shall thereupou grant his warrant for the lading or unlading of such goods. (Sec. 166.)
Entry of Goods to be luden or unladen \&sc.-No goods shall be laden or water-borne to be laden on board any ship, or uulalen from any ship, in any of the lritish possessions in America or in the Channel Islands, until due entry be made of such goods, and warrant granted for the lading or unlading of the sante; and no goods shall be so laden or water-borne or so unladen in the said Channel Islands, except at some place at which an officer of the customs is appointed to attend the lading and unlading of goods, or at some place for which a sufferance shall be granted by the proper officer of customs for the lading and unlading of such goods, and in the presence or with the permission of such officer; but the Commissioners of Customs may make such regulations for the carrying coastwise of any goods, or for the removing of any goods for shipment in the said islands, as to them shall appear expedient; aurd all goods laden, water-borne, or miladen contrary liereto, or to any reculations to be so made, shall be forfeited. (Sec. 167.)

Goods not stated to be Prodnce of British Posscssion to be deemed of Foreign Production.-No goods shall be stated in such certificate of clearance of any ship from any British possessions to be the produce of such possession, unless such goods shall have been so expressed in the entry outwards of the same; and all goods not expressly stated in such certiticate of clearance to be the produce of such possession shall, at the place of importation in any otlier such possession, or in the United Kingdom, be deemed to be of foreign production. (See. 168.)

If no Officer of Customs resident at the Port of Shipment §c.-Where there is no officer of customs, the principal officer in the civil service of her Majesty, or his representative, shall be deemed to ve the proper officer for the performance of all such duties with respect te such goods as are hereby re-
quired to be performed by the collector or other ollicer of customs. (Sec. 169.)

Liues in Canuela on Americen Boxts.-The same tonnage duties slanll be paid npon all ships or boats of the United States of America importing any goods into either of the provinces of Upper or Lower Canada as are or may be for the time beine payable in the United States of America on British yessels or boats entering the harbours of the State from whence such goods shall have been imported. (Sec. 173.)

Certain Produce of the State of Maine to be treated as Produce of New Branswick. - The treaty concluded between her Majesty and the United States of America, August 9, 1842, stipulates that all the produce of the forest in logs, humber, timber, timber boards, staves, or shingies, or of acriculture, not being manufactured, rrown on any of those parts of the State of Maine watered by the river St. John or by its tributaries, of which fact reasonable evidence shall, if requirenl, be produced, shall have free access into and through the said river and its said tributaries, having their souree within the State of Maine, to and from the seaport at the month of the river St. John, and to and round the inlls of the suid river, either by boats, ratts, or other conveyance, and that within the provines of New Brunswick the said produce shall be dealt with as if it were the produce of the said province; and it being the intention of the high erntracting parties to the said treaty that the aforesaid produce should be dealt with as if it were the produce of the province of New lirunswick, the produce in the said recited treaty and herciabefure described shall, so far as rugards all laws relating to duties, navigation, ana customs in force in the United Kingdom or in any of her Majesty's dominions, be deemed and taken to be and be dealt with as the produce of the province of New Brualswick; provided, that in all cases in which deelnrations and certificates of production or origin and certificates of clearance would be required in respect of such produce if it were the produce of Ner Brunswick, similar declarations and certiticates shall be required in respect of such produce and shall state the same to be the produce of those parts of the State of Maiae which are watered br the river St. John or by its tributarics. (See. 17t.)
Neufoundland Fishing Certificates in lieu of Ceuranceduring Fishing Season.-Whenever a shipstall be cleared out from any port in Newioundland ot in any other part of her Majesty's dominions for the fisheries on the banks or coasts of Newfondland or Labrador or the dependencies thereof, without having on board an article of traffic (except only such provisions, nets, tackle, and other things as are usually employed in aid about the sial fishery, and for the conduct and carrying on of the same), the master of any such ship shall be entitled to demand from the principal oflicer of custonsat such port a certiincate under his hand that such ship hath been specially cleared out for the Newfoundland fishery, and such certiticate shall be in forec for the lishing season for the year in which the san:e may be granted, and no louger; aad upon the first arrival in any port in the said colouy of Newfoundland or its dependencies of any slip having on board any such certifecate as atoresaich a report thereof shall be made by the master of such ship to the principal ofticer of customs at such port; and every ship having such certitiant which has been so reported, and being actually engaged in the said fishory, or in carrying cosstwiv, to be landed or put on board any ship engaged in the said fishery, any tish, oil, salt, provisions, of other necessaries for the use and purposes thereof, shall be exempt from all obligation to make an
entry at or obtaj house at Newfou from any of the $p$ ot its dependenci fishing seasoll for been granted; an ance at the end of of such ports, the up the beforement otticer of the custon that in cass any during the time th said fishery any g other than fish, se procisions, and oth or usually employe shall forfeit the sa thenceforth become such and the same tions ss ships in $g$ (Sec. 170.)
Cerificate of Pro Before aay spirits o attach to the disti exportation in any or in the island of $M$ of such possession o phetor of the estat pospeced, or his kit sima a declaration ir officer of customs at before one of her Ma residing in or near the situated, declaring th duce of such estate, ar forth the aame of the and quantity of the re taining the same, witl thereon, and the niam charge at the place o seat ; and if any justice sforesaid shall subsctib purporting to be such person purporting to m appear before him, and of the same, such just affessaid shall forfeit an tie sum of 501 ; and shipping such goods sha to the proper officer of and subseribe a deelar goods which are to be entry are the same as a mentioned declaration ship in which such $g$ before clearance, make a before the proper offic goods shipped by virtu ame as are mentione first-mentioned declarat knowledge and belief; a ofticer of customs shall s ler a certifisate of prod has been made in man sueb koods (describing $t$ of such British possess and setting iorth in such he exporter and of the master thereof, and the and if any spints or sug of some possession in Am of some other such posses without such certificate Certificate of Prod. (Sec. noth $r$ Colony. Proclueti
entry at or obtain any clearance from any custom house at Newfoundland, upon arrival or departure from any of the ports or hnrbours of the said colony or its dependencies, furing the continuance of the fishing seasou for which such certificate may have heth granted; and previously to obtaining a clearanceat the end of such season for any voyngecatany of such ports, the mnster of such ship shall deliver in the beforementioned certificate to the principal up the of the customs of such port: provided always, that in cass any such ship shall have on board daring the tine the same may be engagr $l$ in the said fishery any good's or merchandise whatsoever ther than fish, seals, oil made of fish or seals, salt, provisions, and other things, being the produce of or usually employed in the said fighery, such ship shall forfeit the said fishing certicicate, and sliall thenceforth become and be subject and liable to all ancl and the same rules, restrictions, and regulations as ships in general are subject or liable to. (Sec. 115.)
Certificate of Production for Sugar or Spirits.Before any spirits or sugar, so long as any bentit attach to the distinction, shall be shipped for exportation in any British possession in America, or in the island of Mauritius, as being the produce of sech possession or of the said island, the proprietor of the estate on which s.ich goods were produced, or his known agent, shall make and sign a delaration in writing before the proper officer of customs at the port of exportntion, or before me of her Majesty's justices of the peace residing in or near the placu where such estate is situated, delaring that such goods are the produce of such estate, and such declaration shall set forth the name of the estate, and the description and quantity of the roods, and the packages containing the same, with the marks and numbers thercon, and the name of the person to whose charge at the place of shipment they are to be sent; and if nny justice of the pence or other officer sforessid shall subsctibe his name to any writing purporting to be such a declaration, unless the person purporting to make the same shall actually appear before him, and shall declare to the truth of the ssme, such justice of the peace or officer shoresaid shall forfeit and pay for any such offence tie sum of 501 ; and the person entering and shipping such goods shall deliver such declaration to the proper officer of customs, and shall make and subscribe a declaration before him that the goods which are to be shipped by virtue of such enury are the same as are mantioned in such firstmentioned declaration; nnd the master of the ship in which such goorls shnll be laden shall, before clenrance, make and subseribe a declaration before the proper officer of customs, that the goods shipped by virtue of such entry are the same as nre mentione: and intended in such fist-mentioned declaration, to the best of his knowledge and belief; and thereupon the proper offieer of customs shall sign and give to the master a certifisate of production, stating that proof bas been made in manner required by law that such goods (describing the same) are the produce of such british possession or of the said island, and settiug iorth in such certificate the nume of the exporter and of the exporting ship, and of the master thereof, and the destination of the goods; and if any spints or sugar be imported into any British possession in America as being the produce of some other such possession or of the said island, mithout such certificate of production, the same hall be forfeited. (Sec. 176.)
Certificate of Production on re-exportotion from mother Colony.-Before nny sugar or spirits, so vog as any bencfit attach to the distinction., shall
he shipped for exportation in any British possession in Amerien as being the produce of some other such possession, the person exporting the same shall in the entry outwards stnte the place of production, and refer to the entry inwards nud landing of such goods, and shall minke ard sul)scribe a declaration before the proper otficer of customs to the identity of the same; and thereupon, if such goods shall have been duly imported with a certificate of production within 12 months prior to the shipping for exportation, the proper officer of customs shall sign and give to the master a certificate of production founded upon and referring to the certiticate of production under which such goods had been so imported, and containing the like particulnrs, together with the date of such importation. (Sec. 177.) •

Certificate of Production of East India Sugar.The shipper of any sugar the produce of some British possession within the limits of the East India Company's charter, about to be exported from any place in such possession, mny go beforo the chicf officer of customs at such place, or, if there be no such officer, before the principal officer of such place, or t!e judge or commercial resident of the district, and make and sign a declaration before him that such sugar wns really and bona fide the prodnee of such British pessession, to the best of his knowledge and belief; nnd such officer, judge, or resident is bereby required to graut a certificate thereof, stating therein the name of the ship in which the sugnr is to be exported, and the destination of the same. (Sec. 178.)

Certificate of Production of Wine.-The shipper of any wine, the produce of any British possession abroad, which is to be exported from thence, may go before the chief officer of customs, and make and sign a declaration before him that such wine was really and bonâ fide the produce of such British possessions; and such officer is bercby required to grant a certificate thereof, stating therein the name of the ship in which the wine is to be exported, and the destination of the same. (Sec. 179.)
Certificate of Production of Goods in Guernsey \&c. -Any person who is nbout to export from the Channel lslands to the United $\mathrm{F}^{-}:$gdom or to nny of the British possessions in America or the Mnuritius any goods of the growth or produce of any of those islands, or nny goods manufactured from materi. ls which were the growth or produce thereof, of the United Kinglom, or of miterials duty free in the United Kingdom, or whereupon the duty has been there paid, and not drawn back, may go before any magistrate of such islands, and make and sign before him a declaration that such goods, describing the same, are of such growth or produce, or of such manufacture, and stich magistrate shall administer and sign such declaration; and thereupon the governor, lieutenant-governor, or commander-in-chief of the island from which the goods are to be exported shall, upon the delivery to him of suels declaration, grant a certificate under his hand of the proof contained in such declaration, stating the ship in which, and the port to which, the goots are to be exported; and such certificate shall be the proper documcut to be produced at such port in proof that the goods mentioned therein are of the grovth, produce, or manufacture of such island respectively. (See. 180.)

Officers may board Ships.-The ofticer of customs may go on board any ship in any port in any british possession in America, and rumıage and search such slip for prohibited goods and if there be nny goods on board prolibited to be imported into such possession they shall be forfeited. (Scc. 181.)

Seized.goods, if unelained for a Month, to be condemned, and dealt with accordingly.-All vessels, boats, goods, and other things which shall have been or shall hereafter be seized as forfeited in or near any of the British possessions abroad, under this or any Aet relating to the customs, shatl be cleemed and taken to be condemned, and may be dealt with in the manner directed by law in respeet to vessels, boats, goods, and other things seized and condemned for breach of any such Aet, unless the person from whom such vessels, bonts, goods, w.. 1 other things shall have been seized, or the owner of them, or some person anthorised by him, shall, within one month from the dny of scizing the same, give notice in writing to the person or persons seizing the same, or to the chicf offieer of customs at the nearest port, that lie clnims the vessel, boat, goods, or other things, or intends to claim them. (See. 182.)
P'enalties and Forfeitures, how to be recovered in British Possessions abroad.-Whenever nny penalty or forfeiture shall have been incurred in any of the British possessions nbroad, under this or any other Aet relating to the enstoms, such penalty or forfeiture shall and may be sued for, prosecated, recovered, and disposed of in the Court of Record or of Viec-Admiralty having jurisdiction in any British possession where the same may have been ineurred or forfeited ; but in case there alall be no such court at such British possession, suel penalty or forfeiture shall and may be aued for, prosecuted, recovered, and disposed of in the Court of Record or of Viec-Admiralty having jurisdiction in some British possession near to that where such penalty or forfeiture may have been incurred; anil all such penalties and forfeitures shall be deemed to be sterling money of Great Britain, and paid accordingly. (Sec. 183.)

Application of $P$ nalties. - All penalties nnd forfeitures recovered in the Channel Ialands or in any of the British possessions abroad under this or any Act relnting to the enstoms shall be paid into the hands of the collector, comptroller, or other prop/r officer of the port or place where the same shnll have been recovered, and shall be diviled, paid, and applied as follows; (that is to say,) after deducting the charges of prosecution from the produce thereof, $\frac{1}{3}$ of the nett produce shall be paid to or for the nse of her Majesty, $\frac{1}{3}$ to the governor or commander-in-chief of the colony or plantation, and the other $\frac{1}{3}$ to th.o seizor, informer, and prosecutor; excepting such penalties nul forfeitures as are from seizures made at sea by the commanders or otficers of her Majesty's ships of war duly anthorised to make scizures, one moiety of which, first deducting the eharges of prosecution from the gross produce, shall be paid as aforessid to and for the use of her Majesty, and the other moiety to the seizor, informer, and prosecutor, subject nevertheless to such distribution of the produce of the seizures so made nt sea, as well with regard to the moiety hereinbefore grsnted to her Majesty as with regard to the other moiety given to the seizor, informer, or prosecutor, as her Majesty shall think fit to direct by order in council or by proclamation. (Sec. 18.1.)
Bail may be given for Seizures.-If any goods or any ship or vessel shall be seiced as forfeited imfer this or any Aet relating to the eustoms, and detained in any of the liritial possessions in Imerica, the judge or judges of any court having jurisdiction to try and determine such seizures may, with the consent of the ehief officer of customs, order the delivery thereof, on security bo bond, with two sufficient sureties, to be first atproved by such officer, to answer double the valuc of the same in case of condemnation ; and
such bond shall be taken to the use of her Msjesty in the name of the officer of customs in whose custody the goods or the ship or vessel may be lodged, and such bond shall he delivered and lept in the custody of the officer ; and in case the goods or tho ship or vessel shall be condemned, the value theref shall be paid into the hands of sueh collector o: officer, who shall thereupon cancel such bond. (Sec, 185.)

Suits to be commenced in Name of Offieers.-No suit shall be commenced for the recovery of any penalty or forfeiture in the Channel Islands, or in any of the British possessions abroad, under this or any Act relating to the customs, except in the name of such whicer of the customs or nnyy, or other person enyployed as hereinbefore mentione 1 or of her Msjesty's advocate or attorney-general for the place where such suit shall be commenced; and if a question shall arise whether any person is an officer of the customs or navy, or such other person as aforesaid, vivâ voce evidence may be given of such fact, and shall be deemed legal and sufficient evidence. (Sec. 186.)
Limitation of Appeals.-No appeal shall be prosecutel from any decree or sentence of any of her Majesty's courts in America tcuching any penalty or furfeiture imposed by this or any Aet relating to the customs, unless the inhibition shall be applied for and lecreed within 12 months from the time when such decree or sentence was pronounced. (Sec. 187.)

Security to abide an Appeal from Vice-Ad-miralty.-If any proceedings shall have been or shall hereafter bo instituted in any court of ViseAdmiralty or any other competent court in any of her Majesty's possessions abroad against any ship, vessel, boat, goods, or effects for the recovery of any penalty or forfeiture under this or any Aot relating to the enstoms, the exeution of any sentence or decree restoring such ship, vessel, boat, goods, or effects to the elaimant thereof, whieh shall be pronounced by the said Vice-Admiralty Court in which such proceedings shall have beea had, shall not be suspended by reason of any appeal which shall be prayed aid allowed from sucis sentence; provided that the party or parties appellate shall give suffinent security, to be approved of by the court, to render and deliver the ship, vessel, boat, goods. ur effeets concerning which such sentence or ciecrec shall be pronounced or the full value thereof, to be ascertained cither by agreement hetween the parties, or, iu case the said parties cannot agree, then by appraisemeat under the authority of the said court, to the appellant or appellants, in case the sentence or decree so appenled from shall be reversed, and such ship, vessel, boat, goods, or effects be ultimately cosdemned. (Sec. 188.)
Persons authorised to seize under 5 Gen, II: c. 113 to hare Benefit of this Aet.-All persons anthorised to make seizures under the Act 5 Geo. 1 . c. 113 shall, in making and prosecuting any suda seizures, have the benetit of all the provisions granted to persons anthorised to make seizures under this Act; and all penalties mad forfeiturs created by the said Act, whether pecuniay or specific, shall (except in cases apecially providel for by the said Aet) go and belong to such persus as are thereby authorised to make seizures, in such shares, and shall and may be sued for and prosecuted, tried, recovered, distributed, and applied, in such and the like manner, and ly the same ways and menns, and subject to the same rules and directions, as any penalties and forfeituresincurred in Great Britain and in the British posessions in Am rica respectively now go and belont to, and mar' be suted, prosecuted, tried, recorered,
and distribated the said posseas det. (See, 189. Colonial Lau's roirt.--All laws, this time or whi or enteavoured practice, in any Ameriea, which $n$ det. or to any A trale and naviga rlate to the sni nall and void to ever. (Sec. 190.) Trude with the masengers shall b into the United lands, nor shall portel or carried the said islands, no luearied from any other of them, nor $f$ inlands to another British ships; and i brought, imported, e(uitrary hereto, alls ond the naster of th so brougit, importe furfeit the sum of 10 So tubacco, cigars rato the Channel Isla one of the said island one part of any of the of the same, miless in fifty tons, except fro ships of not less than trading from thence to packages each contai gound nett weight of si jor anless the provisio like sort of goods may the laited Kingrom telacco, citars, or smi isand or carried, ship bereto, or which shall bare been on board an lague of the coasts it together with the ship c. 16 s .18.

Spiris from and to th 00 Tous and Casks (except rum of the be imported into or e. siands or nny of them one to any other of the coastrise from any on of any one of the said $i$ in order to be so remo Gher than of tho bur wards, or in any cask thitainiug liquids not of trenty gallons at th ported, exported, reme witer-borne to be so with the ship bereto, sl With the ship, and any thaviag, or carrying t that nothing herein con spinits imported in any parly intended cargo, folly intended for the e and passengers of such Het being more in exported frome, nor to xported from the Uni mot less than forty tol
and distribated respectively in (ireat Britain or in the said possessions, under and by virtue of this det. (Sece 189.)
(olonial Laws repugnant to Acts of Parlianunt ninl.--All laws, byelaws, nsages, or customs at this time or which hereater shall be in practice, of endeavoured or pretended to be in force or pactice, in any of the british possessions in dmerica, which are in anywise repugnmet to this det. or to any Act relating to the customs or to traile and navigation, so far as the sumo shall relate to the said possessions, are and shall be null and void to all intents and purposes whatsoeves. (Sec. 190.)
Tralle with the Channel Islands.-No goods or masengers shall be brought, imported, or carried futo the United Kingdom from the Channel likuds, nor shall any pazsengers or gools be exputted or earried from the United Kinglom to the said islands, nor shall any goods or passengers le carricd from any one of the said islands to any other of them, nor from one part of any of the said islands to another part of the same, except in Bnitish ships; and ir any foods or passengers be brought, imported, exported, or carried constwise cattary hereto, all such goods shall be forfeited, and the inuster of the ship in which the same are so bruaght, imported, exported, or carried shall forfin the sum of 100\%. (Sec, 191.)
Do tubacco, ciryars, or suuff shall be imported into the Channel 1slands, nor be carried from any one of the said islands to another of them, or from one past of any of the said islands to another part of the same, unless in ships of not less burden than fifty tons, except from the United Kingdom in ships of not less than forty tons burden regularly tadidig from thence to those islands, nor unless in packazes each containing not less thun eishity goundsnett weight of such tobaceo, cigars, or shatit; boo unless the provisions in and under which the like sort of goods may we legnlly imported into the Laited Kingdom are complied with; and all tolacco, ci gars, or snnif imported into the said island of carried, shipped, or removed contrary hereto, or which shall be found or discovered to hare been on board any slip or boat within one hague of the coasts thereof, shall be forfeited, together with the ship or boat. $-18 \& 19$ Vict. c. 96 s. 18.
spiris from and to the Channel Islands in Ships of 50 Tons and Cashs of 20 Gallons.-No spirits (except rum of the liritish Plantations) shall be imported into or exnorted from the Chamel lisands or my of them, or be removed from any one to nny other of the said islands, or be carried coastwise from any one part to any other part of any one of the said islands, or shall be shipped in order to be so removed or carried in mny ship wher than of tho burden of fifty tons or upwards, or in any cask or other vessel capable of containing liquids not being of the size or content of wenty gallons at the least; and all spirits imported, exported, removed, carried, shipped, or water-borne to be so shipped, removed, or carried, contrary liereto, shall bo forfeited, together with the ship, and any boat importing, exporting, removing, or currying the same: provided always, that nothing herein contained shall extend to any spints imported in any such ship in glass bottles as part of the cargo, nor to any spirits being really intended for the consumption of the seamen and passengers of such ship during their voyage, and not being more in cuantity than is necessary firs that purpose, nor to any warehoused goods exported from the United Kingdom in ships of not less than forty tons buriten, being regular traders to those islands, nor to any boat of less
burden than ten tons for having on board at any: one time any foreign spirits of the quantity of ten gallons or under, such boat having a license from the proper oflicer of customs at either of the islands of Guernsey or Jersey for the purpose of being employed in carrying commodities for the supply of the island of Sark, which license such oticer is hereby required to grant without fee or reward ; but if any such boat shall have on board at any one time any greater gunatity of spirits than ten gallons: minless in casks or packnges of the size and content of twenty gallons at the least, surh spirits and boat shall be forfeited.-20 \& 21 Vict. c. 92 s. 19, moditied by 23 \& 24 Vict. c. 129 s. 3.

Wher any of the ierms mentioned in sec. 357 of 'The Customs Consolidation Act, 1853,' are used in this or any otaer Act relating to the customs, the terms so used shall have the same interpretation and meaning as are given to them in the said section; and the term ' British-built ships' shall be deemed to mean and include any ship built in her Najesty's dominions.-20 \& 21 Vict. c. 92 s. 20.

Whereas doubts have arisen whether the several sections of 'The Custons Consolidation Act, 1853,' other than those containing particular provisions relating thercto, as also 'The Supplemental Customs Consolidation Act, 1850, are anplicable to the British possessions abroad: be it enacted. that the said recited Acts and the several chauses therein and in this Act contained shall and the same are hereby declared to extend to and be of full force and effect in the severnl British possessions ubroad, except where otherwise expressly provided for by the said Acts, or linited by express reference to the United Kingdom or the Channel Islands, and except also as to any such possession as shall by local Aet or ordinance have provided, or may hereafter, with the sanction and approbation of her Majesty and her successors. make entire provision for the management and regrulation of the Customs trade and navigation of any such possession. or make in like manner express provisions in lieu or variation of any of the clauses of the said Act for the purnoses of such possession.-20 \& 21 Viet. c. 62 s . I $\omega$.
Mulla deemed to be in Europe.-The island of Malta and its dependencies shall be deemed to be in Europe. (Sec. 194.)

Connection of the Planter and Mome Merchant. Morle of transaeting Business in Eingland.-Tho mode of transacting West India business is as follows: A sugar planter forms a connection with a mercantile houso in London, Bristol, Liverpool, or Glasgow; stipulates for an advance of money on their part; grants them a mort gage on his estate; and binds himself to send ticm aumually his crop, allowing them the full rate of mercantile commissions. Theso commissions are $2 \frac{1}{2}$ per cent. on the amount of sugar sold, and of plantation stores sent out; along with $\frac{1}{2}$ per cet t. on all insurances effected. During the war, when prices were high, the amount of these commissions was large: but, like other high charges, the result has, in nine cases out of ten, been to tho injury of tboso who received them ; they led tho merchants to undertake too much, and to make too large advances to the planters, for the sake of obtaining their business. At that time it was usual to allow a permanent loan at the rate of 3,0001 . for the assured consignment of 100 hogsheads of sugar ; but that ratio was very often exceeded by the planter, the $3,000 l$. becoming $4,0001 ., 5,0001$., 6,0001 ., sud, in very many cases, still more, in consequer.ce of unforeseen wants and too sanguine calculationss on his part.

Persons resident in the West Indies are ulmost C C
always bare of capital, and for obvious reasons. A climate of such extreme heat, and a state of society possessing so few attractions to persons of education, offer no inducement to mell of substance in Europe to go thither. Those who do go must trast to their personal exertion and the support of others; and when, after a continued residence in the West Indies, they have made somo progress in acquiring a competency, and have become accustomed to tho climate, they hardly ever consider themselves as settled there for life; their wish and hope is, to carry their acquisitions so far as to be enabled to pass the remainder of their days comfortably at home. The readiest means, in the view of the planter, for accomplishing this, nsed to be the extension of his undertakings; which he could do only by borrowing money. Heace a continual demand on his mercantile correspondents at home for fresh advances; the consuming effict of heavy commissions, and of the interest on horrowed money, being overlooked in his ardent speculations. But when prices fell, as they have done of late years, to a comparatively low level, the planters found themselves embarrassed with debts contracted under a different state of things, which in but few instances they could expect to discharge - hence their ruin, and hence also the ruin of many of the merchants and mortgagees conneetel with the planters.

For a number of years the West India tracle has been extremely depressed; and it is, perhaps impossible to point out any means of effectual relief. The planters need not build expectations on such doubtful, or rather improbable, eveuts as the stoppage of distillation from malt, or an insurrection or emancipation of the negrocs in rival countries, such as Cuba or Brazil. Of a hounty on exportation it is idle to speak; so that their only rational ground of hope seems to be in the introduction of improved processes, and a reduction in the cost of producing sagar and other staples.
The sale of West India articles takes place through the medium oi produce brokers, who in London reside chiefly in llincing Lane and Tower Strect. Samples of sugar and rum are on show in their respective sale rooms during four days of the week, viz. Tuesday, Wednesday, Thursday, and Friday, from 11 to 1 o'elock; during which time the sugar refiners, wholesale grocers, and other dealers in produce, call in, observe the state of the market, and buy what they require. The term of credit is short ; only 1 month for coffee and rum, and $t$ months for sugar. Coffee is generally soid by public auction, sugar and rum by private contract. The brokers' commission is usually $\frac{2}{2}$ per cent. on the amount; but in the case of coffec, as they guarantee the buyers, their charge amounts to 1 per cent. The brokers have no correspondence or connection with the planters; they are enploved by the merchants; and their sales, though ior large amounts, being very simple, a brokerage house of consequence generally does the business of a number of mercliants. Neither merchant nor broker see, or are in the least under the necessity of seeing, the bulky packages containing the different articles of produce of which they effect the sales: all is done by sample; the packages remaining in the bonded warehonse from the time of landing till they are sold; afte: which they pass to the premises of the refiner, wholesale grocer, or whoever may be the purchaser.
The allowances made to the buyer in respect of weight consist, first of the tare, which is the exact weight of the cask; and, in the second plac of a tixed allowance ol 5 Jus. per cask in the case of collice, called trett, and of 2 lbs . per cask on sugar, under
the name of Iruft.
art. Book art. Bookkeeping.
The shipping tores from England to the phas tations is also a very simple transaction. West India merchants in London, Liverpool, or Bristo: receivo from the planters, in the autumn of each year, a list of the articles required for the respect ive estates: these lists they divide, arrange, and distribute among different wholesale dealers in the course of September and October, with instrue tions to get them ready to ship in a few weeks November and December are the chicf months for the despatch of outward-bound West Iadiamele, as the plantation stores ought, properly, to arrive about the end of December, or in the coarse of January. That is a season of activity, and generally of health, in the West Indies; the compardtively cool months of November and Dccember having cleared the air, and the produce of the fields having become ripe and ready to carry. Crop time lasts from January to the end of July, after which the heavy rains put a stop to field work in the islands. Demerara, being so near the Line, experiences less difference in the seasons, and it is customary there to continue making sugar all the year round.
The arrivals of West Indiamen in England with home:ard cargoes begin in April and coatiaue till October; after which, with the exception of oceasional vessels from Demerara and Bertice they cease till the succeeding April. This corre sponds with the time of carrying and loadiag the crops; for it would bequite unadvisable, on the score of health as well as of the interruptions to worl from the heavy rains, to attempt loading vessels in the sugar islands during the autumal moaths
The unloading of West Indiamen in Loadna usually takes place at the West Indin Docks; and did so uniformly from the autumn of 1802 , when the docks were first opened, till August $18: 3$, when the dock monopoly expired. Cargocs are discharged very speedily, the time seldom exceed ing 3 days. The dock dues bave heen materialls reduced of late years; and the whole exhibits striking example of the advantage attendant on transreting a mass of businesa on one spot-an advantage which can bo enjoyed only in great sea-ports, such as London, Liverpool, or Amster-sea-ports, such
dam. [Docks.]
The rates of freight during the war were on sugar from 7 s. to 8s. per ewt., and on coffee from 10 s . to 11 s .; whereas they now amount, the former from $1 s .6 d$. to $2 \mathrm{~s}, 6 \mathrm{~d}$. and the latter from is. to 3 s .6 d. ; the shipowners, from the improvements that have been effecteu, being hetter paid low than formerly.
Selection of Sites for Colonial Establishments.Nothing can be more unwise than the plan, if so we may call it, hitherto followed in the selection of places at which to found colonies. The captai of a ship, without any knowledge whaterer of the nature of soits or the capacities of a country in an agricultural point of view, falla in after a ion cruise with a river or bay, abounding with fish and fresh water, and surrounded with land tha looks fertile and is covered with herbage. forthwith reports all these eircumstances, dul embellishel, to the Admiralty, strongly reow mending the situation as an admirable ec which to found a colony ; and, in nine easesou of ten, this is all the information that is require in taking a sten of such intinite importance? wonder, therefore, that many fine schemes of of lonisation should have ended only in loss and di appointment, and that situations which the c lonists were taught to look upon as a species paradise have proved to be anything bat what the
rere represented Captain Cook world, had to be were sent out to tead of being fay sady swamp. attempt would has in so pestilential Jeore if the prope male? The color duced as another in ture contidence in really without the timnte of the vario be atteaded to in fo We therefora this system-a sys degree injurious to highly criminal tov colonists. The fou lowed upon in its tr national enterprise. etitusted to presump be maturely weighed, neted with it careful the situation in which colony should be mi climece, soil, and capa rady caquired into ploped for the purpose. ment and the public w able grounds upon whic party rould have mu disappoitments which followed the exaggerate to whom the important leating situations for col [adelaide; Cape To hosg; Mflnourne; Takifys, Colonial ; \&c

## V. Foreign

## 1. Spanish Colonies,_S

 sesions, previous to 18 ifroticts of the United Sta gollan, is not, at presen ground in the whole Am bontrer, her colonial poss and inportance. In the tress of Cuba and Porto the largest and finest of $t$ and the latter also a very the Fast, Spain is mistress Which, were they in the $h$ penple, rould specdily bee metcial importance. Porto Aico.]2. Dutch Colonies,-Java casy to exagrem, and it basy to exaggerate the [Burivia.] In the Elast He Moluccas, Bencoolen on acassar, mud the castern Thrice bave several $f$ Hands of in the West In wands of Curaçao and St art of St. Martin; and on aricao and St. S master uncao and St. Eustatius they bave been both hi ang very conveniently ther districts ind traffic ety a place of great Any
has ceased in independ
were represented. Botany Bay, though described by Captaln Cook as one of tho thest places in the rorld, had to be abandone 1 by the colonists that were sent out to it; as the country round it, instead of being favourable for cultivation, is a mere sandy swamp. Is it possible to suppose that any attempt would have been made to establish a colony in so pestilential a climate as that of Sierra Leone if the proper enquiries had been previously made? The colony on Swan River may be addaced as another instance of misplaced or premature contidence in the reports of those who were really without the means of torming a correct estimate of the various circumstances necessary to be atteaded to in forming a colony.
We therefore hope that an end may be put to this system-a system which is in no common deqre injurious to the public interests, and is highly criminal towards those who cmbark as colonists. The founding of a colony should be lowed upon in its true point of view-as a great national enterprise. It is not an adventure to be entrusted to presumptuous ignorance, but should be maturely weighed, and every circumstance conneted with it carefully investigated. Above all, the situation in which it is proposed to found the colony shonld be minutely surveyed; and its dimite, soil, and capacities of production deliberately eaquired into by competent persous employed for the purpose. Were this done, Government and the public would have the best attainable grounds upon which to procced ; and neither party would have much reason to fear those disappoinments which have hitherto so often followed the exaggerated representations of those to whom the important and difficult task of seletting situations for colonies has been delegated. [adelade; Cape Town; Columino; Hona Kong; Mtelbourne; Port Louis; Quenec; Tarifrs, Colonial; \&e.]

## V. Foreign Colonies.

1. Spanish Colonies.-Spain, whose colonial possesiuns, previous to 1810, extended from the frontiers of the United States to the Straits of Magellan, is not, nt present, possessed of a foot of ground in the whole American continent. Still, burever, her colonial possessions are of great value and importance. In the West Indies, she is mistres of Caba and Porto Rico; the former by far the targest and tinest of the West Indinn Islands, and the latter also a very valuable possession. In the East, Spain is mistress of the Philippine Islands, miich, were they in the hands of an enterprising people, would speedily become of very great commercial importance. [llavasnait; Manilla; Porto Iaco.]
2. Dutch Colonies.-Javn is the principal Dutch enlonial possession, and it is one of which it is not easy to exaggerate the value and importance. [Bativia.] In the East the Dutch also possess the Moluceas, Bencoolen on the coast of Sumatra, Macassar, and the eastern coast of Celebes, Banda d. They have several forts on the Gold Coast in Africa; in the West Indies they possess the filands of Curaçao and St. Eustatius, Saba, and part of St. Martin; and on the continent of South Imerica they are masters of Dutch Surineta, Curaga and St. Eustatius are naturally barren, but they have been both highly ii proved. From fithing very conveniently situated for maintninop a contraband traffic with the Caracas and ther districts in South America, Curagao was forwatly a place of great trade, particularly dnring Fir: but sinee the independence of South America, : has ceased in great measure to be an en-
trepôt; the goods destined for the continent being now, for the most part, forwarded direct to the places of their destination.
That district of Surinam ceded to the British in 1814, comprising the settlements of Demerara, Berbice, and Essequibo, formed the most valuable portion of Surinnm, or Dutch Guiana. The district which still belongs to the Duteh lies to the south of Berbice. It contains about 38,000 square miles, nud $n$ population of about 53,000 . The value of the exports of sugar from this colony in 1861 was estimated at $2,654,480$ tlorins, and in 1862? at 2,752,683 florins.
3. Freneh Culonics.-Previously to the negro insurrection that broke out in 1792, St. Domingo was by far the most valuablo colony in the West Indies. But this disnstrous event, having first devastated tho island, terminated in the establishment of the independent black republic of llayti. [Pont au Punce.] Ilaving also sold Lonisimia to the Americans, and celed the Mauritius to the English, without making any new nequisition, the colonial dominions of France (for Algeria cmnot be reckoned amongst them) are, at this moment, of very limited extent. The most important are Martinique and Guadaloupe in the West Indies, the former with (in 1863) a population of 135,353 , and the latter of 138,380 . The exports of these islands were in 1863 as follows:-

| Articles |  | Martinique | Guadaloupe | Résunion |
| :---: | :---: | :---: | :---: | :---: |
| Sugur | kilos. | 30,115,020 | 31,588,611 | 41,6857, 357 |
| Molusses | - Litres | 3,911,325 | 1.811,720 |  |
| Hum | kilos | 3,887,945 | 2,767,040 | 3, $\times 140101$ |
| Cotton |  | 208,967 | 1,22, 4 , 373 | 26.0.120 |
| Cocoa | - $\quad$ - | 175,816 | 101,567 | 2,3101 |
| T'obacco | - " | 1,200 | 6,24, | 419 914) |
| Vanilla | - . | - | 373 | 17,463 |

The emancipation of the slaves was injurious to these islands; but the deficiency of labour thence arising has been, in part at least, supplied by immigrants. The other French colonies consist of the small islands of Marie-Galante and Deserda, in the West Indies; Cayenne, in South America; Senegal and Goree, in Africa: the Isle de Rénnion (Isle de Bourbou), in the Eastern Ocean, the exports of which are given in the table above; St, Maric, in Madagascar; and Pondicherry and Chandernagore, with a very small snrrounding territory: in the East Indics.
Of these the Isle de Recunion is the most impertant, and the exports from it have latterlv incrensed very rapidly: At an average of 18.9 and 1800 , for example, she only sent to France $18,681,530$ kilogranmes $a-y e a r$ of sugar, whereas, in 1863, she sent thither no fewer than $69,141,663$ kilogrammes. This extroordinary increase has been wholly owing to the importation of labourers from Iudia, Africa, and Madagascar, and to the extensive employmerit of guano as manure.
4. Danish Colonies.-In the West Indies, these consist of the islands of St. Croix, St. Thomas, aid St. John, having together, in 1860, a popnlation of 38,130 . St. Crois contains about 100 square miles, and is fertile and well cultivated. The principal productions were at one time sugar, rum, and coffec. The exports formerly amounted to about $25,000,000$ lbs. a-year, but the cultivation of sugar has been abandoned in consequence of the emancipation of the slaves in 1847. St. Thomas, which has abont 15,500 inhabitants, hns long been, and though latterly much fallen off, still continues to be, one of the principal emporiums in the West Indios. It owes this distinction partly to its convenient situntion as a packet station, partly to its spacions and safe harbour at St. Thomas, on the south side of the island, and partly and principally to the moderation of the import duties, which vary C c 2

## COLUMBA

from 1 to 14 per cent. St. Thomas lias, in consegurnce, become as it were a depot for the supply of the neighbouring islands; goods being sent to it to be warchoused till opportunity offers for conveving them to their linal destimation. In the Cinsular Report for 1866 it is statel that this branch of trade is likely now to dedine pradually, as merehants \&e, in the neighbouring islands are moking direct importations from the United Kingdon. The great articles of importation are manufactured poods, principally frem kingland, but partly also trom other conntries of limrope, with provisions, lumber der from the United States.

The value of our exports to the 3 islands now referred to, $\frac{-1}{10}$ being for St. Thomas, amounted in
 linens $136,98: l$., coal \&c. $5 \cdot 1,931 l$., nud iron $40,650 \%$. The Danes have, however (1868), seld these ishands to the United States.

In Intia the Danes formerly possessed Tranquebar, near Malras; and Scrampore, near Calcutte; lont these they sold, in 1845, to the East India Company.
万. Suredish Colonies.-The Swedes possess one colony-the small island of St. Ihartholomew, in the West Indies. It is only about 25 square miles in extent, but is very fertile. It has no springs, nor fresh water of any sort, except such as is supplied by the rail. P'opulation betwcen 8,000 and 9,000 .

COLUMBS or CDILUMBA ROOT (Duteh, Cohumbo wortel: lir. raciue de Colombo ; Ger. Co-lombo-wurzel ; Ital. radice di Colombo; Port. raiz di Columba; Span. raiz di Columba; Mosamb. kalumb). 'The root of the plant of that name: the Corculus palmatus of Decandolle; Nat. Order, Menispermacece. It is not cultivated, but цrows wild in the forests between Ibo and the Zambesi, and being dug up by the natives, is exported by the l'ort uguese. It is brought to us ilry, in transverse sections from $\frac{1}{3}$ to $\frac{f}{2}$ in. thick. from 1 to $2 \frac{1}{2}$ in. diameter. Bark wrinkled and thick, of a brownish colour withont, and a brightish yellow within; pith spongy, yellowish, and slightly striped; when fresh, its smell is rather aromatic ; it is disagrecably bitter, and slightly pungent to the taste, somewhat resembling niustard that has been too long kept. Choose the largest pieces, fresh, of a good colour, as free from worms as possible, rejecting that which is small and broken. It is used in tife materia medica, and is f valuable tonic. Freight 16 cwt , to a ton. A decoction when cold is blackened by the solution of iodine. (I'harmucopoia of the Médical Comacil, ed. 18tī.)

ColdLMBO or COLOMBO. The modern capital of Cevlon, on the S.W. const of the island; lat. $6^{\circ} 56^{\prime} 6^{\prime \prime}$ N., long. $79^{\circ} 49^{\prime} 48^{\prime \prime} \mathrm{E}$. It is defended by a very strong fort nearly surronnded by the sea, in which is a lighthouse 97 fect high. Population of the town and fort, in 186\%, perhnps 60,000 . The honses, generally only 1 storey high, are of stone, clay. and lime; and the town has more of a European appearmee than any other in India. The inhabitants are principally Cingalese. The temperature is remarkable for its equality : and thongh very humid, the climate may, on the whole, be cstecmed salubrions and temperate. There is no harbour nt Columbe for large vessels, but only an ojen roadstead. A projecting rock, on which 2 batteries are erected, affords shelter to a small semicircular lay on the north side of the fort, having a wooden guny to facilitate the loading and unloading of boats. The depth of wnter is not sutficient to allow sloops or large dhonies to come alongside the quay; those exceeding 100 tons burden lying at about a cable's length from it. A bar of sand, on some parts of which the water is not more than 7 feet deep, extends from the pro-

COLUMBO
jecting rock across this bay. The channel where it may bo cressed by the larger clans of ships is lhable to shift; and it is only in the fine weather of the safe weason that they venture within the bar. The outer road aflords secure anchorage for lialf the year, from the beginning of Oetober to the end of Marcil, during the prevalence of the N.li, monscon, when the wind blews oll the lanit during the other, or S.W. monsoon, when the wind hlows from the sea on shore, the road is very far from safe; and the slips that frequent it are sometimes obliged to slip their cables and stand out to sen. (Milburn's Orient. Comm.; Ilamiltun's Grazettecr ; \&c.)
As respects its harbour, Columbo is, therefor, very inferior to Trincomalec, the harhour of whiel is necessible at all times, and one of the hest in India, and it is also interior to the harbour of Point de Galle. The comutry in the vicinity of Columbo has, no doubt, an extensive internal navigation; but as the cinnamon plantations near the town have lest much of their former importance, and as the centrat provinces adapted to the grow th of coffec, now the great staple of the island, may be as casily renched from the other harbours as from Columbo, the decline of the commercial preponderance of tho latter is far from unlikely.
Moneys.-The rix dollar $=1 \mathrm{~s} .6 \mathrm{~d}$. has become obsolete, and the currency now consists of silver rupees $=2 s$. , in which, or in dellars $=4 s$. $2 d$., accounts are kept.
The Buak of Ceylon, noticed in the last edition of this work, is extinct. There are, however, in Columbe, a branch of the Oricntal Bank Corporation, bead-othice London; and a branch of the Mercantile Bank of Indin, Lenden, and Chinn, headethice Bombay.

Weiglits, Measures \&or.-T The weights are divited into ounces, pounds dec, and nre the same as in (ireat IBritnin. The candy er bahar $=500$ lis. avoirdupois, or 46 l lbs. Dutch troy weight. The principal Itry measures are seers or parrahs. The tormer is a perfect cylinder, of the depth and diameter under-mentioned:-
depth
4.3 inameter

The parrah is a perfect cube, its external dimeasions beiug every way 11.57 inches.

The liquid ineasure cousista of gallons, and their multiple and sub-multiples. 150 grallons= 1 lenguer or legger.
Tho bale of cimumon consists of $92 \frac{1}{2} \mathrm{lbs}$. very nearly.

Nutive Dry Measures.


The English bushel is equal to 31 sects or parrah and 10 scers.
Ceylon Nutive Land Mcasurc.--8 lahn $=1$ com nie, 10 coornics $=1$ peyla, 4 peylas $=1$ amınan, Among the natives the value of lond is tixel the quantity of seed required to sow it, compute as the mmunam and its sub-divisions: thas amunam of fertile soil will measure, in regard produce, sometimes twice as much as the sam number of square leet of inferior soil.
The great articles of export fron Ceylon a cotfee, cecon-nut oil, areca nuts, cinnamon, phan bago, coir, arrnek, tobacco, pearls, clanks de. T island is peculiarly suitable for the cultare of on fee, the growth of which has rapidly incteas since the reduction, in J 835 , of the duty on offif from Ceylon to the same level as that on cofif from the West Indies, the imports into the linit


Kin:rdom from Ceylon in tho former year having been only $1,670,1413$ lus., whereas lin 1866 they amounted to $81,428,370$ lbs., valued at $2,702,35: 2$., of which $31,537,08:$ Ibs. were entered for home consumption, and the supply appears to be susceptiblo of an indelluito increase. The exports of cuedanat wil, coir, and arrack might also be greatly increased; and it will be seen in the article Cissustos how the growth of that important staple wis restricted by the duty laid on its exportation. The total value of our imports from Ceylon in 1867 was $0,2 \cdot 2,513 l$.

Suiling Directions and Remarks on the Port uf Columbo, by Jumes Donnan, Jisq., Master ittendant.
The coast of Ceylon about Columbo is low, and not visible from seaward more than 10 miles. about 1 mile to the northward of the fort, near Matwal, there uro some lofty tir trees, which are ceatally seen when approaching from senward Wefore the lighthouse or flagstaff. They aflord a good landmark for Columbo, as when vicwed from teward they appear considerably elevated above the surrounding cocum-nut trees, and seem as one tope rather thiuly planted. No other part of the cuast cither north or sonth of Culumbo affords a similar mark to this.
There are some isolated hills at a distanco in the country, and the high mountain hating on it it sharp eoae called Adam's leak bears from Columbo $E_{n} \frac{1}{s}$ distant 46 miles. It rises 7,420 feet atove the level of tho sea, and in clear weather has teen sen at a distance of 30 leagnes. In the N,F.manson it is generally seen in the morning, aud sometimes throughout the day, but is rarely feen ia the S.W. monsoon through the humid atmospere which prevails in that season.
A bright fixed light is exhibited every night om the clock tower, a square grey looking buililne that is situated in the centre of the fort, in atitule $t^{\circ} 56^{\prime} 13^{\prime \prime} \mathrm{N}$. and longitude $79^{\circ} 56^{\prime} 13^{\prime \prime} \mathrm{E}$. he light is clevated 133 feet above the level of the i, and may be seen in elear weather from a ship's ap 18 to 20 miles.
The only danger in approaching the roadsteal on the sonthward is the Drunken Sailor, a ledge rucks with only 6 feet water over the shallowed art which bears from the light tower S. $70^{\circ} \mathrm{W}$. nd is listant off shore 800 yards, or say $\frac{1}{3}$ mite. bis dauger is clearly detived during the S.W. gaseon by a constant break. of the sea, but durIf the N.E. mensoon with smooth water there is break; it is theii jirudent not to come under 9 thoms water when in the vicinity of these rocks, there are 8 fathoms close outside of them ; but more prudent course would be not to approach eshore within $1 \frac{1}{3}$ mile until the light tower is faght to bear to the castward of E. Gy N., then stand in for the shipping, as no advantage can gained by stecring elose to these rocks at any whe the approach from the westward is quite ar, aud also from the northwarl witl the exstion of a ledge of rocks that stretehes along re to the northward from Mutwal; but this te is only about $\frac{1}{4}$ mile off shore, and so much of the usual track of shipping that it is scarce thty of note as a danger.
Vesels bound to Columbo during the S.W. mona fron south of the Equator should not cross vthe castward of $78^{\circ}$, as bet ween $3^{\circ}$ north and the st of Ceylon a strong current sets to the eastd, and the wind frequently hangs from west il the Gulf of Manaar is entered, thus making ficult to fetch the port if not well to windward coast for 30 miles south of Columbo may be mached with safety to a distance of 2 miles.

The roadstead of Columbo, although exposed to the S.W. monsoon, is a safe one for vessels well found lin ground tackle; vessels generally ride out the monsoon at single anchor with a long scope ol chain. A grle of wind mav occur about the chauges of the monsoon in the months of May, June, and November, and even us late ns Deceriber; though a gale of wind in the latter month is very rare, nhit several years sometimes pass away without any beyomi a stiff monsoon brecze.
Theso gales are seldom violent, and it ls only during them that enoualties necur to the shtpping. Only 5 vessels have been wrecked within the last 3: years.

Communication between the shore and shipping is seldom interripted, although there are oceasional spills of squally weather and high sea during the S.W. monsoon, which make the passage over the bar alifientt and dangerous, especially for small bonts.
A vessel may anchor anywhere in the onter roads with the flagstati bearing from S. $5^{\circ}$ E. to S. $55^{\circ} \mathrm{l} \mathrm{C}$, in from $6 \frac{1}{3}$ to 9 h fathoms water, and distant on the north bastion of the fort from $\frac{1}{3}$ to 1 mite. The best anchorage is with the flagstaf bearing about S. $30^{\circ} \mathrm{E}$. in 8 fathoms water. Vessels arriving during the S.W. monsoon, or about the changes of the monsoon, should not anchor nearer the north bastion of the fort than $\frac{1}{2}$ mile, or bring the rocky point at Mutwal (which is about $1 \frac{1}{2}$ mile to the northward of the fort) to bear to the northward of N.E. $\frac{1}{\frac{1}{E} \text { E.; and they are re- }}$ commended to ride with not less than 80 fathoms eable to the hawse, and to have all the shackles looked to and the small pins well secured before coming to all allchor. The constant pitching motion which vessels are subjected to causes the cables at some distance from the lawso to beat and chafe on the ground, and the slackle pins frequently work out, if not well secured. The small pins should be of iron with large heads, and the other ends well elinched over a ring: if not elinched, they invariably loosen, and work out.
The inher roal or harbour is mostly occupied by the native coasting vessels: it is considerably sheltered from the S.W. monsoon by the murth bastion of the fort and bar, and afforts good and safe amehorage for vessels drawing not over 11 feet. 'Ihe bar is a shifting sand-bank extending from the north bastion in a line with Mutwal Point for about $1 \frac{1}{2}$ cable length, on which there is trom 7 to 12 feet water beyond it, and inside of it there is 32 finthoms. Strangers should not enter the inner roads withont a pilot. As the sea sometimes breaks on the bar during the S.W. monsoon, and several lives have been lost by hoats being swamped, strangers should not use their own boats in landing, but employ one of the outrigger canoes, which are always availnble, until they become acquainted with the passage over it.

The ballast ground during the S.W. monsoon is in 15 fathoms water with the flag staff bearing about E., and during the N.E. monsoon in the same depth of water with the flag staff about E.S.E., where vescels may discharge their ballast overboartl.

The current of Columbo, and in the Gulf of Nauaar, is subject to considerable variation, particularly about the changes of the monsoon, when it is the strongest; but generally speaking it gets with the monsoon, and is never so strong as to inconvenience shipping making the roads. The greatest difference between high and low water recorded at Columbo is not more than 2 feet 1 t inches. In the S.W. monsoon, when the mean level of the oceun is the lowest, the difference between high and low water is from 5 to 15 inches.

On those days when the difference between high ann! how water is not more than 6 inches, the rise and fall has thean olwervel to take place 4 times within :'t houra.

Customs Duties 1868.
Import Duties.


## Table of Exemptions.

hoors and maps printed; ition, coin, pearts, nnil preclous stanes ; co.11, coke, and patent fuel ; cocoa-
nut oll; collee; coir yarn, ropee, twine, and strands ; copperall ; cotton wool : cow ries and other nhelle if fult not in any way premerved; ground nuts, einkely scew and hinsed; horese, mules, assev, and all ohber live tock; ice: machinery; all dencriptions of marine, ocomoive, stationary, and portable steam engine adaptenl to windenills; every description of machinery for lifting, foucing, ami conducting water for the mansfacture of supar; hydranlic and screw presses; erance whnow ing mactunes, while o- in parts, peelers, an ond pipe making machiaes is ing and Lithographic presces: every descriptiun of is re, cotton, cariting, weaving, and spinning wist"1 s; Nasnyth's ham sawiok, and screw makn!: st uchines; mancres; pau ner; pelpper, hack; reginw,wal etothing, nectsmarse. and accoutrements. imponed for the use of Jer Ma: jexty's land and sea forees; sueds intended for akricalsperimen, illustratlise of natural history ; tanks (iron) ;

Export Duties.-Duties of customs paymble on goods, wares, and merchandise, being the growth, produce, or mannfacture of the island of Ceylon, exported to parts beyond seas.


Port Durs,-The tonnage or burden of every British ship to twe the tonnage set forth in the certilleate of registry of much shlp; the tonnage of all other shipa to be calcuiated in tho same manner as that of lbritish vessels,
Pilotage lintes.-The pilotage rates charged on all square-rigged vessels at the ports of Gille, Columbo, and l'rincomalee were, necordlig to the Ceylon Blue Hook of 1865, ns follow:-

Columbo, 16 s .
Trincomulec

Vessela of finm lons and upwarda,

cialle',
Vesels of fing tona and upwarida




Port Dues.
Fintry Inwarda, with rargo
Clearance out wards, with cargo

- perto
- preet And in in case to exered, elither at the time of entry nwarila of clearance out wards


## Composition for Port Jues.

Vessels conveying goods hetween one port and another
within the island ure allowed to cumpound for por
Within the islanid are allowed to cempound for por
dues for 12 montha

Account of the Quantities of Coffec, Cinnamon, and Cocoanut Oil, the X'roduce of the Island, exported from Ceylon during the following Years.

| Vears | Collive | Cinnamon | Cocosment ${ }^{\text {a }}$ |
| :---: | :---: | :---: | :---: |
| (Jangary 5) | rwt. <br> $11{ }^{4} 13$ | Ihs. 406, 609 | 83t5. |
| 18+1 | 64, 2061 | $3 \times 9,373$ | 475,54 |
| 1842 | M11, 581 | 317,919 | 321, 966 |
| $1 \times 43$ | 119.805 | 121,143 | 475,467 |
| 1811 | 94,817 | ${ }^{8,68.804}$ | ${ }^{7}$ |
| $1 \times 13$ | 133,367 | 1,057, 111 | 443, 2 at |
| $1 \times 16$ | 178, inl | 40\%, 211 | 248,186 |
| 1577 | 173, ${ }^{2} 92$ | 401,6,96 | 123,941 |
| 1515 | 293,221 | 447,3691 | - 3971.451 |
| 1819 | 280,010 | 491,687\% |  |
| 18.50 | 373,593 | 733.7811 | - 313,499 |
| $1 \times 1$ | 83) 8,173 | 613,859 | 4167,661 |
| 1852 | 319,957 | 50x, 191 | 413,6\% |
| 18.33 | 372,379 | 427,666. | 7igjug |
| 1851 | 348,971 | 936,280 | 1,150,9:1 |
| 1855 | 407,6\% 1 | 784;20.13 | 1,029,2ic |
| (31. leec.) | 50f,510 | 730,6im |  |
| $1 \times 36$ | 440,813 | 887.317 | 1,004, 3 \% 21 |
| 1857 | 601,635 | 897, 9.39 | I12,ivs |
| 18.5 | 311,6,35 | 761,741 | 66, 110 |
| 3x5) | 904,999 | 879,361 | 94, 0 (1) |
| 18tiol | 632,619 | 675,153 | 141,699 |
| 1861 | 650,517 | 813,214 | 43,0nt |
| 1862 | 6ids, 7 (1) | 875,475 | 15, m ! |
| 186.5 | 828, $5 \times 5$ | 334,03\% | 1.4.4is |
| 1461 | 671,863 | 776,685 |  |
| ${ }^{186.3}$ | 927,410 | 8.50,973 | 1,1036, |
| $3 \times 1516$ | $897,6 \pm 1$ | 890, $1 \times 1$ | 1,042, 63 |

## Geueral Rates of Agency, Commission, and Godon Rent agreed upon by the Chamber of Commerv of Ceylon, on April 29, May 15, and June : 1839; and revised August 5, 1848.

1. On all sales and shipments

On return made with the proceects of : commission has been previously charged On treasure, bullion, and bank nliares
On mill property withdrawn, shipped, or delivered to orler
2. On quarinnteting asles, bills, bonds, enntracts, or otber
3. On slyps' dlabursemenis
. On adrertising for freight and passengers, on the amount
of freikht or passaye money, whether the same pow
2. On effectink insurarce or writing orders, for Insurance

On setting losses, partial and general, and retums of
premium
infive, rice, ou
imple, rice, Hiere gowly : ${ }^{\text {riv }}$ Cory rope op finn
Wine, yifis, bs Wine Nles, 40
Alf ot
Accomit of th
jipul Artic
eylon duri
$\qquad$
Areva nuts
Cor"amnt collee, plastation
madive. Coit rope Copiexah

Warelouse Rutes
For erery hutt, pipe,
Half pint or
taif pipe or heyvhe,
Rarret or quarter Gavk or hergarter ratk sin dozen erase of wint the dosen Crate, cant
mungery:
Bateor In lilian cinth
ale, case,
ale, case, or bor mead

Bag of rice, sugar, or 80
Other goods not
or bulk, to be ch
nite
Double these rate
thmided under the pr
entered or inco $\mathrm{N}_{0}$.
the quay, half of thed
Goods may be lod of 7 day
her will be liable t
Warehouse Stou're
i,1861, it is enacted
astoms warehouses

## COLUMBBO

. On provaring maney on respondentia On atteniling the relispry of eonitact guods, or receloin atyl deliterning
merch.
 the suliux of the auent, exicpuims items on which is counmivalon of 3 per rent. Is charpable
negotiation wime of eschanse
On collertion freight in ward or outward.
14. ins evtera of credit manted
. On the manugenient of estated, as asecutora, adiolinimeritors,
or attornrya * a proces at lave or arbicration is "urcuenar And if recovered ly such mean

if. in landint, clearing, and drli reainu nyec it from ateamers or if uar reperify,
14. On ulea or purchases of ships, housen, or lamis

Rute of Gochurn lient jer Month

feconnt of the Quantities and Julurs of the Principat irticles prowlaced in and exported from Ceylon daring 1865.

| Inticter | Quantitice | Value |
| :---: | :---: | :---: |
| Arecanats - - ©mit | 68,616 | fincia |
|  | 5\%10.573 | 42,319 |
| Locomats * * nus. | 1, 0.9611 | 1,870,01\% |
| Culiee, plantation : 'wt. | 6iss, | 1,879,012 |
| Coit rope . | $11{ }_{4} 391$ | 12,093 |
| Coir jarn : - " | $6{ }^{66,949}$ | $2!4614$ |
| Coplierah - "ppeit | 11,993 | -199 |
| Cotton, manuficturex - ¢ prieres | 151,0i9 | 137,0fy |
| twist - pexyo. | 1,1156 | 63,667 |
| wool - "wt. | 1,108 | 5,1\%7 |
| Cosries, shells, and |  | 8,380 |
| $\underset{\text { channies }}{\text { chaml }}$ : peligs. | $\overline{6,596}$ | 6, ¢, $\mathbf{7}$ ) |
| Eephants - . 10. | 471 | 7,2if6 |
| into itronelly - oz. | 851,994 | $9,8.83$ |
| Cocomuts - - cwi. | 91,463 | 1210,678 |
| Plumbago - - EWt. | 10,141 | 13,121 |
| Rice - - buhhels | 133, MNO | 34,140 |
|  | 204,05\% | 17,363 |
| Soney, precions, and perges | 23 | 3,606 |
| Thatier - - |  | 31,421 |
| Tolurco, unmautiac. CWt, | 21,611 | \% $4.4,488$ |
| specie - - peks. | 601 | 496, 184 |
| Tutal |  | 3,56i, 1.57 |

Warrhouse Rates for all Gooks bonded in any
Queen's Wurehousc.


Bag of rice, kugat, nr colfe
finer small boxes or packages
Tun of heavy goods, metals, timber \&e.
Other goods not enumerated, of the like weight or bulk, to be eharged in proportion to these rates.
Doable these rates will be ebarged on all goots bimled ander the provisions of the 21 st clause of the Ordinance No. 18 of 1852 , which may not be entered or removed within 7 days, Goods left on the quay, half of tho above rates.
Goods mny be lodged in the Queen's warehonse for a period of 7 days free of charge, when, if not entered and removed for consumption, or bonded, they will be liable to the rates above mentioned.
Warehouse Stowage.-By the Customs'Aet, No
i, 1861, it is cnacted that all goods placed in the eustoms warehonses by any person shall be stowed

In such parts or divisinns of the warelonuse, and in such manner, as the C'ollector of Customes whall ilirect; and if the stowaze be broken, the gronls shill be reyiled hy the person breaking such stownge.
(Gonds Lamied und Wirehoused at the Ihates fireed by the Chamber of Cowmerrer.

inoulite the alive raten whien the paek ages importell are lese than
sperie will he hamuled hy agreement with the manater
mevelal atreements can be male with the maniker for Iowling of toal, grinn, and thinher cargipes.
shiphin!, und Landin! Churges of the Curgu Bont isul Wharf Improvement Compeny.


Italiast, 1Js. Gud. per lount of atuwat 7 .
An Aecount of the Values of the Principul Articles


| I'rinclpal A ricler | Value |  |  |
| :---: | :---: | :---: | :---: |
|  | $1 \times 63$ | 1sfit | 186\% |
| Conk and coke | $\underset{127, \quad \underset{1}{x} 9}{ }$ | $115,100$ | $\underset{y \in i, 560}{\boldsymbol{x}}$ |
| Cutton manufactures | \%91, 105 | 94:7, 271 | 315,01: |
| twist | Gitr,93 | 93, ${ }^{\text {c3 }}$ | 49,3.31 |
| wool | 85.5811 | 25,338 | 4,3:31 |
| Cutlery and hariwaro | 66,547 | 70,601 | 24,367 |
| Furry atulis | 59,618 | $3 \mathrm{3x}, 798$ |  |
| Fish, saltorl and dried | Fiotils | 73,418 | 66,971 |
| tirain: padily - |  | 108,05 | 114,311 |
| rice | 1,344,716 |  | 1,15.,1\%1 |
|  | 3) $31,(4) 1$ | 3, ${ }^{3}, 1.71$ | ${ }^{36} 718$ |
| Waberdanhery and mallinery | (if, 263 | 3,3,50) | 36,5,50 |
| lisestock : ineat catte - | 46, inc. | 23, 204 | \%in ${ }^{\text {zin }}$ |
| Poonac- | \% ${ }^{79,714}$ | 61, 1.12 | ( $\begin{array}{r}74,566 \\ 1.73567\end{array}$ |
| -precte and tuytion | 1,844.474 | 1,731,153 | $1,721,667$ |
| 'Iotal | S, $43.3, \times 07$ | 3,126,961 | 3,022,179 |

Trode und . Yacrgution of Colnmbo for the Year 1860.

| Eintered Cleared |  | $\begin{aligned} & 5 \text { ex,w } \\ & : 1.210 \\ & \cdot 3,301 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: |
| Totad value fioch | spucle) | $$ |  |
| specte limp |  | - | 118.437 |

The following tables, Nos, I.. IT., and III., show the progress of Cevion in population, ayriculture, revenue, trade, and shipping from $18 \ddot{5}$ downwards :-
I. Populaiion, Estimated Number of Aeres under Cultination, Revenue, and Expenditnre of Crylon from 1855-1866.

| Year | Population of Ceyion | Extianated number of Acres unter cultivation | Hevenue | Kixuenditure |
| :---: | :---: | :---: | :---: | :---: |
| 18.3 | 1,625,960 | 766,717 | ${ }_{4}^{46,487}$ | $\stackrel{ \pm}{4}$ |
| 18.6 | 1,697,75b | 711,170 | 514,1:4 | 4.57,137 |
| 18.57 | 1,777,964 | 736,026 | 578,1148 | 595, M91 |
| $18 \% 8$ | 1,759,548 | 736,026 | 651,961 | 391,333 |
| 18.59 | 1,791,472 | 815,6419 | 747,037 | 695.268 |
| $1 \times 66$ | 1, 1976, 167 | 967,381 | 767, 184 | 7115,110 |
| $1 \times 61$ | $1,919,147$ | 810.153 | 781,947 | 63, 230 |
| 1848 | 2,079,881 |  | 759,175 |  |
| 1863 1864 | $2,349,194$ $2,051,109$ |  | 9.32,740 867.748 | 738.191 84.792 |
| 1864 1865 | $2,051,1199$ $4,019,725$ | 1,3801,07\% | 867,748 974,192 | 84.1292 $8.31,193$ |
| 1866 | 2,088, $0 \times 7$ | :397\%(0) | 962, 9 \% ${ }^{\text {9, }}$ | 917,669 |

Scale of Freight.-The ton is reckoned as follows: Arrack as per agreement, 210 or 250 gallons; cin-
namon， 800 lbs ；cocna－nut oil， 17 ewt．；coffee in sapan woonl， 20 ewt．；horns and pepper， 16 ewt．； hag．，IS ewt．；ditto in easks， 16 ewt．；eoir nond enr－measurement goods， 50 culic fect ；plumbago， 20 damens， 12 cwt．；cotton， 50 cubic feet；ebony and cwt．

II．Tutal Tonnage of Shipping whel entered into and cleared from the Ports of Ceylon in the folloung Years．

| Vear | From and to Cnitexl Kingilom | From and to other Countrics | Total | liritheh belonging：to |  | Foreign |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | United Kingclum | The Colonies |  |
|  |  | tons | ${ }_{\text {ton }} 6.51 .4 \times 2$ | 260nem | ${ }_{3}^{\text {tons }}$ | ${ }_{4}^{\text {ton，}} 11.18$ |
| 1rini | Gil | 6， $19.4 \times 3$ | 681,071 | 200，imi | $361 . \times 57$ | 4.518 |
| 15．7\％ | 1113．838 | \％ $2 \times 8 \times 5$ | N76， | 4 11,183 | 381，671 | 66， 7 \％ 19 |
| $1 \times$ | 119，669 | 796,1819 | 916，1星 | Hits，dit | 369.149 | 785 |
| 1963 | 1010， $0_{6}$ | 701,819 $689, z \pm 8$ |  | 373．07 | 3，${ }^{3,9.961}$ | 71， 611 |
| 15101 | －- ，人uti | \％6， | 8．3，421 | 361, fill | 391，1\％5 | \％x，${ }^{\text {\％}}$ |
| 120\％ | 92011 | \％96， $1 \times 1$ | 64n，9\％t |  |  | 6．5， $1: 1$ |
| 1065 | 12i，隹2 | 912.612 | 1， $96 \times, 311$ | 617，154 | 4113.133 | 148，117 |
| 1 hel | $1{ }^{160,599} 120$ | － 966,136 | 1，0；0，${ }^{\text {and }}$ | 615．15 |  | 1429，${ }^{\text {a }}$ |
| 1nsi） | 122， 115,126 | 1，1127，994 | 1，100， 1,1046 | 605， 60.5 | 419,041 456,352 | 120， 1190 |

1II．Imports and Erports fiom Ceylon in the Fears 1850゙－G6．

| Mear | Imports |  |  | Exports |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | From the t＇nited King don | From other Countries | rotal | To the United <br>  | Tu other Countries | Total |
| 14：3 | $4{ }_{4}^{4} \times 190$ | 1，91006， | 2， 385 | $1,0 \frac{x}{i, 071}$ | 9：9，${ }^{\text {¢ }}$ | 1，974，7\％ |
| 15，if | S－\％，954 | 2，176，6\％1 |  | 87\％，179 | \％91， 5.5 | 1，5initit |
| 1050 |  | 2， $2 \times 3,296$ | 3，116，${ }^{\text {litil }}$ | 1，740，iit 4 | 1，239，816 |  |
| 15.8 | \＄688，094 | 4rib， 6,95 | 3，41， 519 | 1，129， 5.53 | 1，199，438 | 2，326，${ }^{\text {2 }}$ 191 |
| 1509 | 438．441 | $2,58,916$ | 3，171，197 | 1，134， 1.808 | 1，059，938 | 4，5\％， 52 |
| ${ }^{1460}$ | 1，015，${ }_{\text {and }}$ | \％ | 3，551，2，49 | 1，630，994 | 911,593 911467 | 2，5311， |
| 1964 |  | 3， 1015 | $4,43,18:$ | 1，703， | 790.536 | 2， $2,94,120$ |
| $1 \times 63$ | 1，011，909 | $4,481, \times 11$ | S，13， 3,516 | 4，119 | 1，39，6\％\％ | 3， $3 \times 7$ \％ 23 |
| 1stat | 1，6i1． 6 | 3， 818037 | 5，548， 1171 | 2， 41.50346 |  | 3，12， 264 |
| 148.9 | （5incosmf | 4，117 | a， | 4， | 1， $1,601,2126$ | 3，465，157 |

Extont．Promhtion，Revenue şo of Crylon．－The area of C＇evhan and its dependernt isleas is esti－ mated at $2 i, i$ io square miles．Its population，ac－ cording to a census taken in $1 \mathbf{N} 06$ ，amounted to $2.088,027$ ，of whom about 17,545 were whites． The pepulation has increased very largely since the last census．
The revenue of 1866 whe nbout 962,8731 ．That of 186.3 was 978.4921 ．（Blue Booh for 1867．）

Public Debt．－The publie debs of the colony in 1 R65 amounted to 450,0001 ．raised on dehentures bearing 6 per ennt．Of this，the sum of 100,0001 ．， which is pnyable on November 15，1868，is the balance raised for the purpose of paying the debt due by the Ceylon Govermment to the railway company，and the sum of $350,000 \%$ is a part if $1,000,000$ ．proposed to be raised on debentures under ordinances of 1862 and 1864 ． 46 miles of the Ceylon Railway were open for general tratlic on Nor．1，1866，and on Aug．1，1867，it was opened for passengers to Kandy．The Electric J＇clegraph established in the island is worked protitably．
COMMANDITE（Pantwensuts en）．CCom－ pasilis．］
COMSERCE（from commutatio nercium）．As its name imports，eommeree is simply the exchange of commodities for commodities．

I．Ohgin of Commerce．－Mencantile Classes．
II．IIome Thane，
lif．Foneign Timadf．
IV．Restrictions on Commence．

## I．Omgin of Commerce－Meacantile <br> Ci asses．

（1．）The Origin of Commerce is coeval with the first dawn of civilication．Tho moment that individuals ceased to supply themselves directly with the varions articles and accommodations they made use of，that moment must a commercial intercourse have begun to grow up amongst them． For it is only by exchanging that portion of the
produce raised by ourselves that exeeets our oum consumption，for portions of the surpins produco raised by others，that the division of employments can be introluced，or that different individuals con apply themselves in preference to different pursuits．
Not only，however，does commerce enalue the inlabitants of the same village or purisle to cou－ bine their separate efforts to accomplish some common olject，but it also enables those of dif－ ferent provinces and kingdoms to apply thensehes in an especial manner to those calings for the successtul prosecution of which the district or conu－ try which they uecupy gives them some peeuliat ndwantage．I＇his territorial division oft labour has ecotributed more，perhaps，than anything else to increase the wealth and accelernte the civilisation of mankind．Were it not for this，we should be destitute of a vast number of the necessaties， comforts，and enjoyments which we now passess； while the price of the few that would remain would，in must instances，be very greatly in－ creased．But whatever advantages may be de rived－and it is hardly possible to exaggerate either their magnitude or importance－from avail－ ing ourselves ot the peculiar eapacities of promuc－ tion enjoyed by others，are wholly to be ascribed to commerce as their real source and origin．
We do not mean to say anything in this artide with respect to the practical details coanected with the different departments of commeree．These will be found under the varions titles to which they refer．Our object，at present，is merely to shoir the nature and influence of commeree in generd， and the restrictions that linve sometimes been imposed upon it．We shall begin by endeavont－ ing，tirst of all，to give some account of the natu of the services performed by the individuals by whom commercial undertakings are usually earied on．In the second place，we shall consider the intluence of the home trade，or of the intercouret subsisting nmongst individuals of the same cumb try．In the third place，we sliall consider th
influence of for which subsists different countri discussed，we sl has been termed principles involv wifferent times in govermment and （2．）Mercantile of different produc themselves，they deal of time，and e Were there no me his crop would be seek tor customers nearly as nossible i the demauds of $t$ h to bay it；and aft wext be obliged to 8 perhaps，remoto plo ranted to get in its axposed to a world is attention would the labours of $\mathrm{lis} \mathrm{f}_{\mathrm{a}}$ things，tho work of employment，would 6 terruptions，and man are successfully car countr；would not be The establishment o efiectanly obviates th aset of dealers erect wa parchase and sule of ， ditue，every prodncer， If seting customers， where be may at all tir podacts as he requires and enerrics to his pro reation of merchants gi imerapted motion to t
Here the class of trat Here the class of trac
springs of industry wo numberless dithiculties $t$ ， effecting exchanges wo ther to endeavour to ther had oceasion for ： throva back into prima rane；the divisions of labo condition would decliue， more difficult to gratify， tural management cculd i who had to mannfacture tl weir onn shocs？Aud wh wolld those be who wer noliged to leave the shutel netlie for the anril？
distiaction of employmen ang from the division of cemmerce，would be totall ruences of any sort．It is iadiridual renders to an waibblours，by every one parence to some peculiar nugh prubably without $\mathrm{i}_{1}$ knoll to the others，that e adored with most pigantic The mercantile clnss nuip thot mercantile class has $g$ 7he rutail deate classes－ the retail dealers．The dere they are prort and $i$ Were they are produced， harty them to those where hable，or where they are $n$ ＊atter，haviger purchased
influence of foreign trade, or of that intercourse which subsists amongst individaals belonging to different comntries. Alter these topies have been dicussed, we shall offer a fow remarks on what has been termed the restrictive system, or on the prineiples involved in the regulations enacted at different times in this and other countries for the goverument and direction of commerce.
(e.) Mercantile Classes.-While the exchange of different products is carried on by the producers themselyes, they must unavoidably lose a great deal of time, and experience many inconveniences. Were there no merchants, a farmer wishing to sell his crop would be obliged, in the first place, to seek for customers, and to dispose of his corn as nearly as possible in such quanities ns might suit ne demands of the various individuals inclined 10 buy it; and after getting its price, he would nest be obliged to send to 10 or 20 ditlerent and, pethaps, remote places, for the commodities lie wanted to get in its stead. So chat, besides being axposed to a world of trouble and inconvenience, tis attention would be eontinually diverted from the fabours of lis farm. Under such a state of things, the work of production, in every different emplorment, would be mecting with perpetual interruptions, and many branches of industry that are successfully carried on in a commercial conntr/ would not be undertaken.
The establishment of a distinet mercantile plass effectally obviates these inconveniences. When a setof dealers crect warehouses and shops for the parchase and sale of all descriptions of commodities, every producer, relieved from the necessity of seeting customers, and knowing beforchand where be may at all times be supplied with such poduets as he requires, devotes his whole time and energies to his proper business. The interrention of morchants gives a continuons and uninterapted motion to the plough and the loom. Fiete the class of traders annihilated, all the springs of industry would be paralysed. The numberless difficulties that would then occur in effecting exchanges would lead each particular family to endeavour to produce all the articles they had occasion for: society would thus be throw back into primaeval barbarism and ignorance; the divisions of labour would be relinquished; and the desire to rise in the world and improve our condition would decline, according as it becume more difficult to gratify. What sort of agricultoral management cculd be expected from farmers who had to manufacture their own wool, and make their own shoes? And what sort of manulacturers would those be who were every now and then debined to leave the shuttle for the plongh, or the neatle for the anvil? A society without that distiuction of employments and professions reshting from the division of labour, that is, without womerce, would be totally destitute of arts or adenes of any sort. It is by the assistance each bdixidual renders to and receives from his virhbours, by every one applying hinself in paferenee to some peculiar tusk, and combining, baugh probably without intending it, his efforts - nid those of others, that civilised man becomes gqai to the most gigantic efforts, and appears moned with almost nmbipotent power.
The mercautile class has generally been divided trotwo subordinate classes-the wholesale dealers
2 the retail dealens. The former purchase the moue prolucts of art and industry in the places fure they are producet, o: are least valuable, $\$$ arry then to those where they ar. more hable, or where they are more in demand; and * latter, having purchased the commodities of * wholesale tlaters, or the producers, collect
them in shops, and sell them in such quantities and at such times as may best suit the public demand. These classes of dealers are alike useful; aud the separation that has been effected between their employments is one of the most advantageous divisions of labour. The operations of the wholesale merchant are analogous to those of the miner. Neither the one ner the other makes any change on the bodies which he carrics from place to place, All the difference between them cousists in thisthat the miner earrics them from below ground to the surface of the carth, while the merehant carries them trom one point to another on its surfacc. IIence it follows that the value given to commodities by the operations of the wholesale merchant may frequently exceed that given to them by the producers. The labour or expense required to dig a quantity of conl from the mine does not exceed what is required for its conveyance from Neweastle to London; and it is a tar more difficult and costly allair to fetch a piece of timber from Canada to England than to cut down the tree. In this respect there is 10 difference between commerce and agriculture and manufactures. The latter give utility to matter by bestowing on it such a shape as may best fit it for ministering to our wants and comforts; and the former gives additional 1 tility to the products of the agriculturist and manufticturer by bringing them from where they are of comparatively little use, or are in excess, to where they are of comparatively great use, or are deticient.

If the wholesale merchant were himself to retail the goods he has brought from different places, he would require a proportional inerease of capital; and it would be impossible for him to give that exclusive attention to any department of his business which is indispensable to its being carried on in the best manner. It is for the interest of each dealer, as of each workman, to contine bimself to some one business. By this means each trade is better understood, better cultivated, and carried on in the cheapest possible manner. But whether carricel on by a separate class of individuals or not, it is obvous that the retailing of commodities is indispensable. It is not enourh that a cargo of tea shonld be importel from China, or a cargo of sugar from Jamaica. Most individuals have some demand for these articles; but there is not, perhaps, a single private person, even in London, requiring so large a sujply for his own consumption. It is clear, therefore, that they must be retailed; that is, they must be sold in such quantities and at such times as may be most suitable for all classes of consumers. And since it is atmitted, on all hands, that this necessary business will bo best conducted by a class of traders distinct from the wholesale dealers, it is impossible to doubt that their employment is equally conducive as that of the others to the public interest, or that it teuds equally to augment national wealth and comfort.

## II. Home Ttadee.

The observations alrealy made serve to show the influence of the home trade in allowing individuals to contine their attention to some one employment, and to prosecute it without interruption. But it is not in this respect only that the establishment of the home trade is alvantageous. It is so in a still greater degree by its allowing the inhabitants of the different districts of the empire to turn their labour into those channels in which it will be most productive. The different soils, different minerals, and different climates of different districts 1]t them for being appropriated, in preference, to certnin
species of industry. A district like Lancashire, where coal is abundnnt, which has an easy access to the ocean, and a considerable command of internal navigation, is the natural scat of mannfactures. Wheat and other species of grain are the natural products of rich arable soils; and cattle, after being reared in mountainous districts, are most advantageously fattened in meadows and low grounds. Hence it follows that the inhabitants of different districts, by confining themselves to those branches of industry for the successful prosecution of which they have some peculiar capability, and exchanging their surplus produce for that of others, will obtain an incomparably larger supply of all sorts of useful and desirable products than they could do were they to apply themselves indiscriminately to every different business. The rerritorial division of labour is, if possible, even more advantageous than its division among individuals. $\Lambda$ person may be what is commonly called Jack of all trades; and though it is next to certain that he will not be well acquainted withany one of them, be may nevertheless make some sort of rude efforts in them all." But it is not possible to apply the same soils or the same minerals to every different purpose. Hence it is that the inhabitants of the richest and most extensive country, provided it were divided into small districts without any intercourse with each other or with forcigners, could not, how well soever labour might be divided among themselves, be otherwise than poor and miserable. Some of them might have a superabundance of corn, at the same time that they were wholly destitute of wine, coal, and iron; while others night have the largest supplies of the latter articles, with but very little grain. But in commercial countries no such anomalies can exist. Opnlence and comfort are there universally diffused. The labours of the mercantile classes cnable the inhabitants of each district to apply themselves principally to those employments that are maturally best suited to them. This superadding of the division of labour among difterent provinces to its division among different individuals renders the productive powers of industry immeasurably gecater; and augments the mass of necessaries, conveniences, and enjoyments in a degrec that could not previously have been conceived possible, and which cannot be exeeeded except by the introduction of foreigu commeree.
'With the benefit of commerce,' says an eloquent and philosophical writer, 'or a ready exchange of commodities, every individual is enabled to avail himself, to the utmost, of the peculiar advantare of his place; to work on the peculiar materials with which nature has furnished him; to humour lis genius or disposition, and betake himselt to the task in which he is peculiarly qualifed to succeed. The inhabitant of the mountain may betake himself to the culture of his woods and the manulacture of his timber; the owner of pasture lands may betake himself to the care of his herds; the owner of the elay-pit to the manufacture ${ }^{-}$his pottery; and the husbandman to the culture of his fields, or the rearing of his cattle. And any one commodity, however it may form but a small part in the accommodations of human life, may, under the facility of commerce, find it market in which it may be exchanged for what will procure any other part or the whole; so that the owner of the clay-pit, or the industrions potter, without producing any one article immediately tit to supply his own necessitles, may obtain possession of all that lie wants. And commerce, in which it appears that commoditics are mercly exchanged and nothing produeed, is neveriheless in its effects
very prodnctive, because it ministers a facility and an encouragement to every artist in multiplying the productions of his own art; thus adding greatly to the mass of wealth in the world in being the occasiont hat much is prodvecl.' (Ferguson's Principles of Moral Ncience, vol, ii. p. 424.)

The roads and canals that intersect a country, and open an sasy commnnication between its remotest extremities, renter the greatest service to internai commerce, and also to agriculture and manufuctnres. $A$ diminution of the cxpense of carriage has, in fart, the same effect as a diminution of the direct cost of prodinction. If the conls brought into a city sell at 20 s . a ton, of which the carriage amounts to a half, or 10 s., it is plain that in the event of an improved communication, such as a more level or direct road, a railway, or a canal, being opened for the conveyance of the coals, and that they ean, by its means, be imported for hall the previous expense, their price will immediately: fall to 15s. a ton; just as it would have done had the expense of extracting them from the mine been redueed a half.

Everyone acquainted with the merest elemeats of political science is aware that employments are more and more sublivided, that more powerful machincry is introduced, and the productive powers of labour increased, according as larger masses of the population congregate together. In a great town like London, Glasgow, is $\therefore$ chester; the same number of hands will pet.... nuch more work than in a small village, where each individual has to perform several operations, and where the scale of employment is not sufficiently large to admit of the introduction of exteasive and complicated machinery. But the great tomns with which lingland is studded could not exist without our improved means ef communication. These, however, enable their inhahitants to supply themselves with the bulky products of the soll and of the mines almost as cheaply as if they lived in country villages; securing to them all the advantages of concentration, with but few of its inconveniences. Roads and canals are thus productive of a double benefit; for while, by affording comparatively cheap raw materials to the mantfacturers, they give them the means of pefectin: the divisions of labour, and of supulying proportionally cheap manufactured goods; the latter are conveyed by their means, and at an extremely small expense, to the remotest parts of the contri: The direct adrantages which they confer culture are not less important. Withon' would not be possible to carry to a dista* cient supplice of lime, marl, shells, and sthe: and heavy articles necessary to give luxuriace the crops of rich soils, and to render those that poor productive. Good roads and canals, therefore by furnishing the agriculturists with cheap and abundant supplies of mavure, reduce, at one ant the same time, the cost of producing tbe aeceisaries of life, and the cost of bringing them to market.
In other respects, the advantages resulting from improved communications are probably even mote striking. They give the same commoa intenst ty every different part of the most widely cxtenief empire; and put down, or rather preat, any al tempt at monopoly on the part of the dealers particular districts, by bringing them into com. petition with thos of all the others, Nothing if a state enjoying gre.'t facilities of conmulucation is separate and unconnected. All is mutual, reei procal, and dependent. Every man anturallygut into the precise situation that he is best fitte to fill; and each, co-operating with cvery on else, contribntes to the utmost of his porie t
extend the limi [Roans.]
Such being tl aivantages dicriv
viously the duty nously tho dity
proper encourage found, however, duty is rather neg sists less in the the removal of of
ments ia matters have done too littl too much. It will encouragement wl producers of certai mee to others has disalvantage. In to observe that the dent aad enlightrale
dustry will equally and will be especiall erery thing that $n$ fredom of commerc to engam in differen tions, whatever be th
toprevent the circul part of the empire $t$ tiou of labour, necessa of employm ints and emalaion, and must, amount of prodice. prapts to open road canals should lead ev stante book every re Tention fetters the ope
the fre disposal of ca the fredom of internal iuterrupted by impassa or br oppressive tolls the effeet is equally per
The common law and England are decidedy
the granting of powers individuals to furnish dities. Lord Coke dist atpolies conecrning tra the liberty and fiteca? Charter, and diveratics Inst. 63.) And he affirt 'Commerciam jure gent et non in monopolium questum convertendinm. mittere, aliis inhibere $m$ But, notwithstanding of the freedom of indu Crarn was by its prerog with any lav to the ed monopolies, became fasl laryers, and was acted teat during the arbitrar the house of Tudor.
sineel so much dissati Elizabeth as the multipli nowithstanding the ol Crown, and the Court gricraace bee fanous s
five rise to the fand 4. 3), by which all m patent, and licenses, for and making of goods and by an act of the Legisl 'altogether contrary to the
and of nome effiect," and of none effecte. Th baps, contributed more
extend the limits of productien and civilisation. [Roads.]
Such being the nature and vast extent of the alrantages derived from the home trade, it is obviously the duty of the Legislature to give it every proper encouragement and protection. It will be Gund, however, on a little consideration, that this duty is rather negative than positive ; that it consists less in the framing of regulations than in the removal of obstacles. The error of governments in matters of trade has not been that they have done too little, but that they have attempted too much. It will be afterwards showa that the encouragement which has been afforded to the producers of certain species of articles in prefer ace to others has uniformly been productive of disadrantage. In the mean time it is sufficient tabserve that the encouragement which a prudent and enlightaed government bestows on indastry will equally extend to all its branches; and will be especially directed to the removal of crery thing that may in any respect fetter the fredom of commerce, and the power of individuals to engagn in different employments. All regulations, whatever be their ouject, that operate either to prevent the circulation of commodities from one part of the empire to another, or the free circuletiou f labour, necessarily tend to cheek the division of euploym $n$ nts and the spirit of competition and emalaion, and must, in consequence, lessen the mount of prodnce. The same principle that pmots to open roads, to construct bridges and cuads should lead every people to crase from tho statue book every regulation which either prorentionfetters the operations of the merchant, and the free disposal of capital and labour. Whether the fredom of internal commeree and industry be iuterrupted by impassable mountains and swamps, or hr oppressive tolls or restrictive regulations, the effect is equally pernicious.
The common law and the ancient statute law of England are decidedly hostile to monopolics, or to the granting of powers to any particular class of individuals to furnish the market with eommodities. Lord Coke distinctly states 'that all mononolies conceming trade and traffic are against the liherty and fitechom granted by the Great Charter, and divers othen Aets of Parliament which are good commentaries upon that eharter.' (ㄹ Inst. 63.) And he affirms, in another place, that 'Commercium jure gentium commune esse debet, ft noa in monopolium et privatum paululorum questum convertendum. Iniquum est aliis jermittere, aliis inhibere mereaturam.'
But, notwithstanding this concurrence of the conmon and statate law of the country in favour of the freedom of industry, the notion that the Crown was by its prerogative entitled to dispense with any law to the contrary, and to establish monopolies, became fashionable among the court laryers, and was acted upon to a very great extent during the arbitrary reigns of the princes of the house of Tudor. Few things, indeed, occasinoed so much dissatisfaction in the reign of Elizabeth ns the multiplication of monopolies; and noiwithstanding the opposition made by the Cown, and the Court party in Parliament, the grierance became at length so intolerable as to gire nise to the farious statute of 1624 (21 Jas. I. ( 3), by which all monopolies, grants, letters patent, and licenses, for the sole buying, selling, and makiar of goods and manufactures, not given by n act of the Legislature, are declared to be 'altogether contrary to the laws of' this realm, void, and of nome effect.' This statute has been produetive of the greatest advantage; and has, perhaps, contributed mose than any other to tho
development of industry, ard the accumulation of wealth. With the exception of the monopoly of printing Dibles, and the restraints imposed by the charters ot bodics lesally ineorporated, the freedon of internal industry has ever since been visilantly protected; full scope has been given to the principle of eompetition: the whole kingdom has been subjected to the same equal law; no obstacles have been thrown in the way of the freest transfer of commodities from one country or place to another; the home trade has been perfectly unfettered ; and though the gublic have not been supplied with commodities at so low a price as they might have obtainel them for, had there been no restrictions on foreign commerce, they have obtained them at the lowest price that would suffice to pay the home producers the cost of producing and bringing them to market. It is to this freedom that the coniparatively flourishing state of industry in Great Britain is mainly to be ascribed.

## III. Foneign Trade.

What the home trade is to the different provinces of the samo comntry; forcign trade is to all the countries of the world. Partieular countries produce only particular commodities, and, were it not for foreign commerce, would be entirely destitute of all but such as are indigenous to their own soil. It is difticult for those who have not retlected on the subiect to imarine what a vast deduction would be made, mot only from the comforts, but even from the necessaries, of every commercial people, were its intercourse with strangers put on ene to. It is not, perhaps, too much to say that in Great Britain we owe to our intercourse with others a full half or more of all that we enjoy. We are not only indebted to it for the cotton and silk manufactures, and for supplies of wine, ten, coffee, sugar, the precious metals \&c., but we are also indebted to it for most of the fruits and vegetables that we now cultivate. At the same time, too, that foreign commerce supplies us with an inmense varicty of most important articles, of which we must otherwise have been wholly ignorant, it enables us to employ our industry in the mode in which it is sure to be most productive, and reduces the price of almostevery article. We donot misemploy our labour in raising sugar from the beet-root, in cultivating tobacco, or in foreing vines; but we employ ourselves in those departments of manufacturing industry in which our command of coal, of capital, and of improved macbinery gives us an advantage; and obtain the articles protuced more cheaply by foreigners, in exchange for the surplus produce of those branches in which we have a superiority over them. A commercial untion like England availe herself of all the peculiar facilities of production given by Providence to different countries. T'o produce claret here is perhaps impossible; and at all events it could not be accomplished unless at more than 100 times the expense required for its production in France. We do not, however, den ourselves the gratification derivalle fron، its use; and to obtainit, we have only to send to Franee, or to some country to which France is indebted, some articles in the production of which we have an advantage, and we get claret in exchange at the price which it takes to raise it muder the most tivourable circumstances. One con.try has peculiar eapacities for raising com, but is at the same time destitute of wine, silk, and tca; another, again. has peculiar faeilities for raising the latter, but is destitute of the former; and it is impossible to point ont a single countr" which is abundantly supplied with any considerable variety of commo-
dities of domestic growth. 'Non omnis fert omnia tellus.' Providence, by giving to cach particular nation something which the others want, has evidently intended that they should be mutually dependent upon one nnother. And it is not difficult to see that, ceteris paribus, those must be the richest and most abundantly supplied with every sort of useful and desirable accommodation who cultivate the arts of peace with the greatest success, and deal with all the world on fair and liberal principles.
' The commerce of one country with another is, in fact,' to use the words of an able and profound writer, 'merely an extension of that division of labour by which so many benefits are conferred upon the human race. As the same country is rendered the richer by the trade of one province vith another; as its lubour becomes thus intinitely more divided and more productive than it could otherwise have been; and as the mutual supply to each other of all the accommodations which one province has, and another wants, multiplies the accommodations of the whole, and the country becomes thus in a wonderful degree more opulent and happy; the same beautiful train of consequences is observable in the world at large-that great emnire of which the different kingdoms and tribes of $\mathrm{r}^{-}$: may be regarded as the provinees. In this magnificent eppire, ton, one province is favourable to the production of one species of accommodation, and another province to another; by their mutual intercourse they are enabled to sort and distribute their labour as most peculinrly suits the genius of each particular spot. The labour of the human race this becomes much more productive, and every species of accommodaticu is afforded in much greater abundance. The same number of labourers, whose efforts might have been expenled in producing a very insignificant quantity of home-mado luxuries, may this, in Great Britain, produce n quantity of articles for exportation, necommollated to the wants of other places, and peculiarly suited to the genius of Britain to furnish, which will purchase for her an accumulation of the luxuries of every quarter of the globe. There is not a greater propertion of her population employed in administering to her luxuries in consequence of her commerce; there is probably a good deal less; but their labour is infinitely more productive: the portion of commodities which the people of Great Britain aequire by means of the same labour is vastly greater.' (Mill's Conmerce Defended, p. 38.)
What has been already stated is sufficient to expose the utter fallacy of the opinion that has sometimes been maintained, that whatever one nation may gain by her foreign commerce must be lost by some one else. It is singular, indeed, how such a notion should ever have originated. Commerce is not directly productive, nor is the good derived from it to be estimated by its iminediate effects. What commercial nations give is uniformly the fair equivalent of what they get. In their dealings they do not prey upon each other, but are benefited alike. The advantage of commerce consists in its enabliug labour to be divided, and fiving each people the power of suipplying themselves with the various articles for which they have a demand, at the lowest price required for their production in those countries and places where they are raised with the greatest facility. We import wine from lortugal, and cotton from America, sending in exchange cloth and other species of mannfactured goods. $13 y$ this means we obtain two very important articles, which it would be all but impossible to produce at home, and which we could nut, certainly, prodnc* except at an infinitely greater cost. But our gain
is no loss to the foreigners. They derive precisely the same sort of alvantage from the transaction that we do. We have very superior facilities for manufacturing, and they get from us cloth, hardware, nnd other important articles, at the price at which they can be prodnced in this country, and consequently for far less than their direet prodluction would have cost them. The benetits resulting from an intercourse of this sort are plainly mutual and reciprocal. Commerce gives no aif vantage to any one people over any other jeople; but it increases the wealth and enjoyments of all in a degree that could not previonsly have been conceived possible.

But the influence of foreign commerec in multiplying and cheapening eonveniences and enjoyments, vast as it most certainly is, is perhap inferior to its indirect intluence-that is, to its inflaence on industry, by adding immeasurably to the mass of desirable articles, by inspiring new tastes, and stimulating enterprise and invention by bringing each people into competition with foreigners, and making them aequairted with their arts and institutions

The apathy and languor that exist in a rude state of society havo been universally remarked. But thest uniformly give place to activity and en:terprise, according as man is rendered familiar with new objects, and is inspired with a desire to obtain then. An individual might, with conparatively little exertion, furnish himself with an abundant supply of the commodities essential to bis subsistence; and if he had no desire to obtain others, or if that desire, however strong, could not be gratitied, it would be folly to suppose that be should be laborious, inventive, or enterprisiug. But, when once excited, the wants and desires of man become altogether illimitable; and to excite them, no more is necessary than to bring mw preducts and new motes of enjoyment within his reach. Now, the sure way to tho this is to give every facility to the most extensire intercourse with forcigners. The markets of a commercial nation being tilled with the various commodities of crery country and every climate, the motives and gratitications which stimulate and reward the elforts of the industrious are proportionally angmented. The hushandman and manufacturer exert themselves to increase their supplies of raw and manufactured proluce, that they may exchange the surplas for the product imported from abroad; mid the merchant, find ing a ready demand for such products, 's prompted to import a greater variety, to find out cheaper markets, and thes eonstantly to afford new incentives to the ranity and ambition, aud consequently to the enterprise and industry, of his customen The whole powers of the mind and the body ate thus called into action; and the passion for foreign commodities-a passion which has sone vimes been ignorantly censured-becomes one of tho nuo efficient causes of wealth and civilisation.

Not only, however, does foreign commerce ex cite industry, distribute the gifts of matnre, and enable them to be turned to the liest account, but it also distributes the gifts of science and of art and gives to each particular country the means on profiting by the inventions and discoveries others as much as by those of her own citizeng The ingenious machine inventel by Mr. Whitney of the United States, for separating cotton yw from the poid, by reducing the cost of the rat inaterial of one of our principal manufactures, ha been quite as advantageous to us as to his ow countrymen; and the discoveries and invention of Watt, Arkwright, and Wedgwood, by reducin the cost of the articles we send abroad, have be
as alvantageous ti aurscives. Comm cirilisation to be trasures of knowle the remotest com is, in this respect, making each coun suplying a conside the assistance of ot any thing else to re ful projulices, and esch other as frient enemies. Tho drenel prugress of other unt tion is now niniversal as it is illiberal. anways to be prepare attacl. upon their ind in is not to be doubted will be best secured by at peace. 'A commes with victory or brand prevent another nation dustrious than you are dastrious they will sell rour customers will fors
heirs. This will happe theirs. 'Jbis will happe what with flects, and thay lay waste; sucessfid or unisuccessfi the eternal Iaw of Pr's the diligent can alone mak Tracts, p. 41, 3rd ed.)
Mr. Hume has beautiful idand salutary influence wid enterprise resulting winf conmeree and the are then kept in perpetua 4s their revard, the occur thee pleasures which are t hie mind acquires new woers and laculties; an must industry, looth sutisti atp preents the growth of camanaly gpring up whei mid idenerss. Banish tho ruterive men both of $n$ anleasing nothing but in yin even destroy the relis mult neruits the she spiritw whent myxiction and fatizitue, e. Alaother alvantigue. teats in the meeclailicienl ar in paly produce sominical ar relinet
vicen wan the one be carriell fropaceompinanicd in sone sime nge which produce at pliticicins, renownel mexier abounds with skilfu queteres. We camnot reals mati woollen cloth will be Can hatioa which is is ignora tita ill the are neyleetell. tersill the arts; and thie ronsed from theis lethn cmation, turn the ensel Fimprovenents ints ev
 ruth as to activege of to cultivinal whas well ns those of to titite Thim more theses retined art the do men beconined art thicicled with science
cronversation, they she

24 advantageous to our foreign customers as to putselves. Commerce has eaused the blessings of curilisation to be universally diffused, and the traiures of knowledge and science to be conveyed the remotest cormers. Its humanising intluence ${ }_{i 5}$, in this respect, most important; while, by making each country depend for the means of supplying a considerable portion of its wants on the assistance of others, it has done nore than ant thing else to remove a host of the most ballefid prejudiees, and to ma'? mankind regard exh other as friends and orothers, and not as enemies. The dread, once so prevalent, of the promress of other uations in wealth and civilisation is now universally admitted to be as absurd ${ }_{3}{ }^{5}$ it is illiberal. Whito every people ought almays to be prepared to resist and avenge any attal. upon their independence or their honour, it is not to be doubted that their real prosperity will be best secured by their endeavouring to live atpace. 'A commercial war, whether crowned with victory or branded with detent, can never prevent another nation from becoming more industrions than you are; and if they are more indastious they will sell cheaper; and consequently reur customers will forsake your shop and go to thers. This will happen though you covered the eean with tleets, and the land with armics. The owler may lay waste; the privateer, whether mucesfful or unsuccessfil, will make poor ; but it it the cternal law of Providence that "the hamd of ${ }^{\prime}$ die diligent can alone make rich."' (Tucker's Four Tuncts, p. 41, 3rd ed.)
Mr. llame has beantifully illastrated the powerfalandsalutary influence of that spirit of industry ardenterprise resulting from the enger prosecuthat of commerce and the arts. 'Men,' says he, are then kept in perpetual occupation, and enjoy, is their reward, the oceupation itself, as well as thaspleasures which are the fruits of their labour. The mind nequires new vigour; eularges ins furers and laculties; and, by an assiduity in buest industry, both satisties its natural appetites. andrevents the growth of unnatural ones, which anmonly spring up when nourished with ense and idleness. Banish those, arts from socicty, readeprive men both of action and of pleasure; and leaving nothing but indolence in their place, ron even destroy the relish of indolence, which arere is agreeable but when it suceeeds to labour, nd reeruits the spirits, exhansted by too much upliation and fatigue.
'thother advantage of industry and of refine.ments in the mechanical arts is, that they comDoly prodace some refinements in the hiberal; vaintice one be carried to perfection without wing aceompanied in some degree with the other. the same age which produces great philosophers od puliticians, renowned generals and poets, Rually abounds with skilful weavers and shipapeiters. We cannot reasonably expeet that a pine of woollen cloth will be wrought to perlection a nation whids is ignorant of ast ronomy, or tere ethics are aeglected. The spirit of the age Eets all the arts; and the minds of men, being atronsed from then: lethargy, and put into a mentation, turn themselves on all sides, and PT improvements into every art and science. round ignorance is totally banished; and men whe privilege of rational creatures, to think Fell as to act, to cultivate the pleasures of the mas well as those of the body.
The more these retined arts advance, the more cade do men become; nor is it possiblo that, on entiched with science, and possessed of a dof conversation, they sheuld be contented to winin solitade, or live with their fellow-citizens
in that distant manner which is peculiar to lguorant and barbarous nations. They Hock into cities; love to receive and communicate knowledge; to show their wit oc their breeding; their taste in conversation or living, in clothes or furniture Curiosity allures the wise, vanity the foolish, and pleasure both. Particular elubs and societics are every where formed; both sexes meet in an easy and sociable manner; and the tempers of men, as well as their behaviour, retine apace. So that beside the improvements they receive from knowledgo and the liberal arts, it is impossible but they must feel an increase ot humanity from the very habit of eonversing tegether, and contributing to each other's pleasure andentertainment. Thus industry, knouledge, and humanity are linked together by an indissoluble chain; and are found, from experience as well as reason, to be pecnliar to the more polished, and what are commonty denominated the more luxurious ages.' (Essay of Refinement in the Arts.)
Most commercial treatises, and most books on political economy, contain lengthened statements as to the comparative advantages derived from the home and foreign trade. But these statements nee nlmost always bottomed on the most erroneous principles. The quantity and value of the cemmodities which the inhabitants of an extensive country exchange with each other, is far greater than the quantity and value of those they exchango with foreigners; but this is not, as is commonly supposed, enough to sliow that tho thome trade is proportionally more advantageous. Commerce, it must be borne in mind, is not a direct but an indirect source of wealth. The mere exchange of commodities adds nothing to the riches of society. The intluence of commerce on wealth consists in its allowing employments to be separated and prosecuted without interruption. It gives the means of pushing the divisions of labour io the furthest extent, and supplies mankind with an infinitely greater quantity of necessaries and accommodations of all sorts than could have been produced, lind indiyiduals and nations been forced to depend upon their own comparatively feeble efforts for the supply of their wants. And hence, in estimating the comparative advantageousness of the home and foreign trades, the real questions to be decided are, which of then contributes mest to the division of labour? and which of them gives the greatest stimulus to invention and industry? These questions do not, perhaps, admit of any very satisfactory answer. The truth is, that botio home trade and foreign trade are most prolitic sonrces of wealth. Without the former, no division of labour could be established, and man would for ever remain in a barbarons state. Hence, perhaps, we may say that it is the most indispensable; but the length to whieh it conld carry uny particular country in the career of civilisation would be limited indeed. Had Great Britain been cut ofl from all intercourse with straugers, there is no reason for thinking that we should have been at this day adraneed beyond the point to which onr ancestors had attained during the IIeptarely! It is to the products nud the arts derived from others, and to the emulation inspired by their competition and example, that we are mainly indebted for the extraordinary progress we have already made, as well as for that we are yet destined to make.
Adam Smith, though he has satisfactorily demonstrated the impoliey of all restrictions on the frecdom of commerce, has, notwithstanding, endeavoured to slow that it is more for the public advantage that capital should be employed in the lome trade than in foreign trade, on the ground
that the capitals employed in the former aro more frequently returned, and that they set a greater quantity of labour in motion than those employed in the latter. Bnt we have elsewhere endeavoured to show that the rato of profit which different businesses yield is the only test of their respective ad-antageousness. (Principles of Political Economy, 3rd ed. pp. 16j-181.) Now, it is quite evident that capital will not be employed in foreign trado unless it yield as much protit as could be made by employing it at home. No merchant sends a slip to China, if it be in his power to realise a larger protit by sending her to loublin or Neweastle; nor would any one $\mathfrak{l}$ dild a ship unless he expected that the capital so laid out wonld be as productive as if it were employed in agriculturo or manufactures. The more or less rapid return of capital is a matter of very little importance. If the average rate of protit be 10 per cent., an individual who turns over his capital 10 times a-year will make one per cent. of protit each time; wherens if he turns it only onee a year, le will get the whole 10 per cent. at once Competition reduces the rate of nett protit to about the sano level in all businesses; and wo mav be quite certain that those who employ themselves in the departments in which capital is most rapidly returned do not, at an average, cain more than those who employ themselves in the departments in which the returns are most distant. No one is $n$ foreign merchant because he wonld rather deal with forcigners than with his own countrymen, bat becauso he believes he will be able to employ his capital more advantageously in foreign trade than in any other business; and while be does this, ho is following that employment which is most beneficial for the public as well as for himself.

## IV. Restmctions on Commerce.

The statements already made, by expiaining the nature and principles of commercinl transactions, are sufficient to evince the inexpediency of subjecting them to nny species of rectraint. It is olvious, indeed, that restrictions are founded on fulse principles. When iudividuals are left to pursue their own interest in their own way, they naturally resort to those branches of industry which thoy reckon most advantageous for themselves; and as we have just seen, these are the very branches in which it is most for the public interest that they should be employed. Unless, therefore, it could be shown that a Government can judge better as to what sort of transactions are protitable or otherwise than private individuals, its regulations cannot be of the smallest use, and may be exceedingly injurious. But any such pretension on the part of Govemment would be universally scouted. It is undeniably certain that a regard to our own interest is, it not an unerring guide to direct us in such matters, at lenst incomparably better than any other. If the trade with a particular country or in a particular commodity be a losing one, or merely a less protitable one than others, it is quite as unnecessary to pass an Act to prevent it from being carried on, as it would be to interfere to prevent individuals from selling their labr ar or their commodities below the market price. It appears, theretore, that all regulations alfecting the freedom of commerce, or of any branch of industry, are either uscless or pernicious. They are useless, when they are intended to protect the interest of individuals by preventing them from cugaging in disadvantageous businesses; and pernicious, when they prevent them from engaging in those that are advantageous.

The self-interest of the parties concerned is the only anfe principle to go by in such mattees, When the nets of the Legislaturo aro in unison with it, there is nothing to object to in them save only that they might as well notexist; but wheaever they are inconsistent with it-that is, whenever they tend to divert capital and industry into channels into which individuals, if left to thelr own discretion, would not have carried them -they aro decidedly injurious.

No one denies that it is possiblo to confer, ly means of a restrictivo regulation, an advantage on a greater or less number of individuals. This, however, is no proof that it is advantageons in a public point of view ; and it is by its influence in this respect that we aro to decide concerning it. If the exclusion of an article imported from abroad in order to encourage its manufucture at home, raise its price in tho home market, that circumstance will, for a while at least, be advantageous to those engaged in its production. But is it not clear that all that is thus gained by them is lost by those who purchase the article? To suppose, indeed, that the exelusion of commodities that are comparatively cheap, to make rcom for those that are comparatively dear, can be a means of enriching a country, is equivalent to supposing that a people's wealth might be increased by destroying their most powerful machines, and throwing their best soils out of cultivation.
But it is contended, that though this might be the case in the instance of commodities produced at home, it is materially different when the commodity excluded came to us from abroad. It is said, that in this case the exclusion of forign produco increases the demand for that produced at home, and consequently contributes to increase the demand for labour ; so that the rise of price it occasions is, in this way, more than balanced by the other advantages which it brings along with it. But the fact is, that though the demand for one species of produce may be increased by a prohibition of importation, the demand for some other species is sure to be at the same time equally diminished. There is no jugglery in comurce. Whether it be carried on between individuals of the same country, or of different comntries, it is in all cases bottomed on a fuir principle of reciprocity. Those who will not buy need not expect to sull, and conversely. It is impossible to export without making a corresponding importation. We get nothing from the foreigner gratuitously: and hence, when wo prevent the importation of produce from abrond, we prevent, by the rery same act, the exportation of an equal amount of British prodnce. All that the exclusion of fordign cominodities ever effects is the substitution of one sort of demand for another. It has been said that ' when we drink bier and porter we consume the produce of English industry, wherenswhen we drink port or claret we consume the produce of the industry of the Portnguese and French, tothe olvious advantage of the latter, and the prejudice of our countrymen!' But, how pataides ical soever the assertion may at first sight appear there is not at bottom any real distinction betweed the two cases. What is it that induces foreignem to supply us with port and claret? 'The ausweris obvious:-We either send directly to Portugalad France an rquivalent in British produce, orwe send such equivalent, in the first place to South Ameria for bullion and then send that bullion to the continent to pay for the wine. And hence it is as clear as the sun at noon-day, that the Englishman who drinks only French wine, who eats ouly lrad made of Polish wheat, and who wears only Saxyn cloth, gives, by oceasioning the exportation of a
correspondin enther, or of to the indinst give were he produced nt a quantity of of the same consume the for the wine, so far as the e cerned, be alto
It is nbsolut 0 cneourarg ir portation from promote it by 1 or hats. We we may supply ot be produce labour to produc roduce the equ tis, if any thin and absurdity to dustry by prohil Such prohibition sure to force capit channels, and can demand for one sp as it extends the
It is but seldom importation from stitute one sort of usual effect is bo capital and to inet A country rarely abooad that may be Ia the rast majo bought of the foreis duced at home wi of capital. Suppo worth of any comm prohibited, and that cannot be raised in $1,200,0001$. or $1,500,0$ aad this is actually $t$ instances in which prohibition has the of the commodity existed, they had be tax of 200,0001 or 500 been the case, what $t$ gone into the coffers have afforded the $n$ amount of other tax hibitory system, the by an increased diffi advantage to any fainiag any thing by acurs - a deatl loss a-year.
We bave said that may be prodlactive of hone producers of th sicatial, howerer, to cannot continue for a last it must be follow Tier the importation ,ilikat Eoodscunstataice, lachboods, be ind raisin, the namunuacturee first the cemmon lerect. by he, that those ellerendy lamediatasly set about the same time that other employments which prempented suchts
corresponding, amount of British cotton, hardware, lather, or other produce, the same eneouragement to the industry of lis countrymen that he wonld tive were he to consume nothing not immediately produced nt home. A quantity of port wine and quantity of lirmingham goods are respectively of the same value; so that whether we directly consume the hardware, or, having exehanged it for the wine, consume the latter, must pluinly, in of far as the employment of British labour is concerned, be altogether indifferent.
It is absolutely mugatory, therefore, to attempt to cncourage industry at lome by restraining importation from abroad. We might as well try to prote it by interdieting the exchange of shoes for hats. We only resort to foreign markets, that we may supply ourselves with artieles that cannot be produced at home, or that require more labour to produee them here than is required to roduce the equivalent exported to pay for them. It is, if any thing can be, an obvious contradiction and absurdity to attempt to promote wealth or indestry by prohibiting in intercourse of this sort. Such prohibition, even when least injurious, is sure toforce capital and labour into less productive channels, and cannot fail to diminish the foreign demand for one species of produce quite as much as it extends the home demand for another.
It is but seldom, however, that a restriction on importation from abroad does no more than substitute one sort of employment for another. Its usual cffect is both to alter the distribution of capital snd to increase the price of commodities. A country rarely imports any commodity from abroad that may be as cheaply produced at home In the vast majority of instances, the articles bought of the foreigner could not be directly produced at home without a much greater outlay of capital. Suppose that we import $1,000,0001$. worth of any commodity, that its importation is prohibited, and that the same quantity of produce cannot be raised in this conntry for less than $1,200,0001$. or $1,500,0001$.: in a case of this sortand this is actually the case in $\mathbf{9 9}$ out of every 100 instances in which prohibitions are enacted-the prohibition has the same effect on the consumers of the commolity as if; supposing it not to have existed, they had been burdened with a peculiar tax of 200,0001 or 500,0001 . a-year. But, had such been the case, what the consumers lost would have gone into the coffers of the treasury, and would hare sfforded the means of repealing an equal amouat of other taxes; whereas, under the prohibitory system, the high price, being occasioned by an increased difficulty of production, is of r.o adrantage to any one. So that, instead of gainiag any thing by such a measure, the public iscurs a dead loss of 200,0001 . or 500,0001 . a-ycar.
We have said that a prohibition of importation may be productive of immediate advantage to the lome producers of the prohibited artiele. It is escatial, however, to remark that this advantage cannot continue for any considerable time, and that it must be followed by a period of distress. Were the importation of foreign silks put an end the that circumstance, by narrowing the supply of ilik goods, and raising their prices, would, no loabt, be, in the first instance, advantareous to the manufacturers, by elevating their profits above the common level. But the consequence would lic, that those already engaged in the trade would immediately set about extending their concerns; the same time that not a fow of those engaged at other employments would enter a business which presented such a favourable prospect: nor mooli this transference of capital to the silk
manufacture be stopped till such an increased supply of silks liad been brought to market as to occasion a glut. This reasoning is not founded upon hypothesis, but upon the widest experience. When a business is carrned on under the protection of a restriction on importation, it is limited by the extent of the home marku:, nd is incapable of further extension. It is, in' conserquence, particuIarly subject to that fluctuation which is the bane of industry. If, owing to a change of fashion, or any other cause, the demand be increased, then, as no supplies can be brought from abroad, prices suddenly rise, and the manufacture is rapidly extended, until a reaction takes place, and priees sink below their usual level; and if the demand deeline, then, as there is no outlet abrond for the superfluous goods, their price is ruinously depressed, and the prolucers are involved in inextricable difficulties. The businesses deepest entrenched behind ramparts of prohibitions and restrictions, such as the silk trade previously to 1825, the West India trade, and agriculture since 1815, have undergone the most extraordinary vicissitudes, and have been at once more hazardous and less protitable than the businesses carried on under a system of fair and free competition.
A prohibition agrainst buying in the cheapest markets is really, also, a prohibition against selling in the dearest markets. There is no test of high or low price except the quantity of other produce for which an article exchanges. Suppose that, by sending a certain quantity of cottons or hardware to Brezil, we might get in exchange $150 \mathrm{hh} d \mathrm{~s}$. of sugar, and that the same quantity, if sent to Jamsica, wc ald only fetch 100 hhds., is it not obvious that by preventing the importatien of the former, we force our goolls to be sold for two-thirds of the price they would otherwise have brought? To suppose that a system productive of uch results can be a means of increasing wealth is to c'lppose what is evidently absurd. It is certainly t.ue that a restrictive regulation, which has been long acted upon, and under which a large amount of capital is employed, should not be rashly or capricionsly repealed. Every change in the public conomy of a great mation ought to be rone abont cantiously and gradually. Adequate time should be given to those who carry on businesses that have been protected, either to withdraw from them altogether, or to prepare to withstand the fair competition of foreigners. But this is all that such persons can jinstly claim. To persevere in an erroncous and oppressive system merely because its abandonment might be productive of ineonvenienec to individuals, would be a proceeding inconsistent with every olject for which society is formed, and subversive of all improvement.

It may, perhaps, be supposed that in the event of commodities being imnorte-1 from abroad, after the abolition of n protecting regration, that were previously produeed at home, the workmen and those engaged in their production would be thrown upon tite parish. Such, however, is not the case. We may, by giving freedom to commeree, change the species of labour in demaud, hut it is not possible that we should thereby change its quantity. If, in consequence of the abolition of restrictions, our imports were increased $4,000,000$. or $5,000,0001$., our exports, it is certain, must be angmented to the same extent; so that whatever dimirition of the demand for labour might be experienced in certain departments would be balanced by a corresponding increase in others.
The pressure of taxation has often been alleged as an excuse for restrictions on commerce; but it is not more valid than the rest. Taxation may

## COMDERCE

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be heavy, and even oppressive; but so long as it is impartially and fairly assessed, it equally attects all branches of iulustry carried whatever for the consequently affords no ground wh to protect any enactment of regulations ind to propose to protect particular business. Anstry from foreigu competition all branches of industry fout a total stop to comis, in effect, to propose to put a imported, nothing merce: for if nothing The imposition of moderate can be exported. The imposis, for the sake of duties on forengn commoning, Several of these revenuc, is quite another thin. very best subjects of commodities are among the dnties on them are taxation; and when the dunds-that is, when contined within proph to exert any injurious they are not so high as to excen annggling and influence over trade, or fairly be objected to.
fraud-they canus contended, by those who assert,
It is sometines cont that restrictions are inexon general frot would be unwise, on the part of pay conatry, to abolish them until she had obtained anyeority that those imposed by her neighbonts a security that abolished. But the reasons that would ulso be abolisheu. have bean alleged in favour of this is our bnsiness not entitled to the least and sell in the dearest to buy in the chenpest and sederree, influenced markets, without being, in any degree, consent to by the condict of others. If they consent come, repeal the restricte. But whatever others may do, so much the better. bught to follow is clear and the line of pole To refuse, for example, to buy well detined. claret, brandy \&c. from the importation of British hardware, cottons \&c., is not to retaliate upon hardware, coton ourselves. The fact that we do them, French wine and brandy shows that we do import french wec, or to some other conntry to export to France, or to sale equivalent, in some which France is indebe, The fear of being glutted murt, of British produce. muless we secure beforewith foreign products, unless own, is the most hand a eertain outlet for our ond. The foreigner unfounded the nothing of ours, can send us nothing of his. Thongh our ports were open to the merchants of all the countries of the world, the exports of British produce must ard and none but to the imports of foreign produce; and no it first. those who receive our comtinue to send anything or seeo
"Les étrangers ne penvent demander ni désirer ien mieux que la liberté de vons acheter et de vous vendre chez vons et dans vos colonies. inifaut la leur aceorder, non par foiblesse en ellepuissance, mais parcequelle ilis ont tort sans même, et qu'elle vous est utile. mais cette faute doute de la refuser chez ellx; mais ant punis les d'ignorance, dont, sans le savorison qui doive vous porter premiers, n'est pas une raison quivant cet exemple, it vous nuire it vous-mence enses et aux dépenses et à vous exposer aux suites ef asfaction d'user d'une guerre pour avoir l'affet ne pent manquer de des repres anr vons, et de rendre votre commerce retomber sir vareux.' (Le Trosne, De l'Ordre $j_{\text {Soeial }}^{1 / \mathrm{lus}}$ désavant 416.)

There are some, however, who contend, that thongh restrictions on importation from abroad of unfavourable to opulence, an arts and civilisation, individuals and nations in arts andicated on other they may, notwithstanding, essentially to indegrounds, as contribity The short and decisive pendence and security. The shore reciprocity of answer to this is to be found in the individual or commerce. It does not enrich one individual or
nation at the expense of others, but confers its favonrs equally on all. We are under ne obligefavons to the Portuguese, the Russians, or any tions to the with whom we carry on trade. It is other people with whom we camy, that they have not our advantaie, with ns. We give them the in vicw in dealing with in. Wort; and they would full value of all that we import; ance as we should suffer quite as much inconvenience end to. The do were this intercourse put nn ere who would independence at which those aspire who would promote it by laying rese solitary and uusocial the independence of independence productive of savage; it is not an indepertue most llourishing strength, but of weakness. their highest elevation, states, at the momenty conneeted with every part when they were eloseld by the golden chans of of the eivilised woid enterprise, were, accordiar successful commercial enterprist perfect state oi to this doctrine, in the most not till all these absolute dependence. It was not they had sunk in connections were dissolvat their true independence the seale of nations, commenced! such statere is a ratural de. their own refutation. pendence of natence of individuals upon each other. Ileavin depen so ordered it. Some soils, some Ileaven has so ordeations, are productive ex. cliuates, some situations, rats which cannot elusively of some peculiar fruits, Let nations elsewhere be profitably pron In a rich and rising follow this as the opulent capitalists may be as commulity, tho opul poor labourers as the poor dependent upon the poolent capitalists. So it is labourers upon the matual dependence of inwith nations. each other knits and binds seciety together, and leads to the most rapid advancement in wealth, in intelligence, and in every kind of improveucht. It is the same, but on a tar large scale, with the mutual dependence of nations, To this alone do we owe all the mighty efferts of commerce; and what lights, what generous feeliags, and multiplied means of human bappian has it not every where spread!'

## Revien', No. 57.)

The principles of commercial freedom, and the injurions influence of restrictive regulations, wele set in a very striking point of view by dam Smith, in his great word andelucidated. Perhaps, sincerepeatedy true doctrines upon this subject har seldom been better stated than in the peth the presented by the merchants of London this dow llouse of Commons on May 8,1820. This dan inent afforded a convincing proof of the pubeth of liberal and enlarged views. It as metropdsy by all the principal merclants of the me repeal who expressed their conviction that the cepald every protective regulation would be for hig, as is ndvantage. Sueh an aderes by the approval did, the conclusious of sest extersive merchan the best informed and nowerful intluence over th of the world, had a powernal way for the rifor Legislature. It paved the wis and the adrantag of which they were found to be productive haml to forward the still greater and more comp reforms carried throngh Parliament by sir hat Peel. These were so very extensive had th left but little for others to accon, our commer little having been since effectel, description. policy is of the most hiberal das already conetime anticipated by the poet When, free ne sea or wind,

> When, rree as sea or wind,
Thames shall flow for ail mankind,
> Vnbounded Thames shat flow for anding they Whole natlums enter with each we wing dive And seas but join the regious they wisider Fornt, live

And while thls chang vast advantage to this the prejudices of others, some extent at least, course of policy.
The petition now refes be onitted in a work of by the late Thomas To raluable work on Prices,
'To the Iononrable Petition of the Merchant 'sheweth,
' That forcign commer to the wealth and pros enabling it to import pronuction of which the industry of other count and to export, in paymen its own situation is bette
' 1 'at freedom from $\pi$ gire the utmost extensi the best direction to the the country.
'That the maxin of market, and selling in the erery merchant in his stritly applicablo as the of the whole mation.
'That a poliey found would reader the comm interchange of mutual ad increase of wealth and , inhabitants of each state.
'That, affortunately, a of this has been and is mo acted upoa by the Govern other country; ench tryin dactiens of other countries well-weant design of enc ductions; thus inflicting eujects, who are consum ubomitting to privations in of commodities; and thus to be the source of mutual meng states, a constantly jalousy and hostility.
That the prevailing pres proective or restrictive sy: the erroneous supposition $\mathbf{t}$ df foreign eommodities oce discouragement of our ow mone extent: whereas it m that although the particul. dactiven which could not stan iveign competition would b a inportation conld be con $d$ time without a corresr dient or indirect, there wo rent, for the purpose of tha Ler production to which o eter suited; thus affordin probably a greater, at pecicial
'That of the numerous pro
duties of our commer Ited that, While all opera
on the community at 5 ulimate benefit to the el mere originally institu wat of
'That among the other evi potective system, not the protection of one branch production against foreign Iground of claim by other

Ani while this change has been productive of vast advantage to this country, it has weakened the prejudices of others, and made them enter, to sme extent at least, on the samo enlightened course of policy.
The petition now referred to is too important to be omitted in a work of this sort. It was written by the late Thomas Tooke, Esq., author of the raluable work on Prices, und is as follows:-
'To the IIonourable tho Commons, \&c. The Petifion of the Merchants of the City of London, 'Sheweth,

- That foreign commerce is eminently conduclve to the wealth and prosperity of a country, by enabling it to import the commodities for the production of which the soil, climate, capital, and Industry of other countries are best calculated, and to export, in payment, those articles for which its cwn situation is better alapted.
' 1 'nat freedom from restraint is calculated to give the utmost extension to foreign trade, and the best direction to the capitnl and industry of the country.
- That the maxim of bnying in the cheapest market, and selling in the dearest, which regulates every merchant in his individual dealings, is strintly applicablo as the best rule for the trade of the whole nation.
'That a policy founded on these principles ruid render the commerce of the world an interchange of mutnal advantages, and diffuse an increase of wealth and enjoyments among the inhabitants of each state.
-That, unfortunately, a policy the very reverse of this bas been and is more or less adopted and acted opon by the Goverument of this and every cther country; each trying to exclude the prodactions of other countries, with the specions and rell-meant design of encouraging its own productions; thus inflicting on the bulk of its robjects, who aro consumers, the necessity of stbmitting to privations in the quantity or quality of commodities; and thus rendering what ought to be the source of mutual benefit and of harmony imace states, a constantly recurring oceasion of jelowisy and hostility.
'That the prevailing prejudices in favour of the proective or restrictive system may be traced to the errooeoss supposition that every importntion of foreign commoditics occasions a diminution or dirooragement of our own productions to the ume extent: whereas it may be clenrly showa, that although the particular description of prodoction which could not stand against unrestrained fireign competition would be discouraged, yet, as woimportation could be continued for any length $d$ time without a corresponding exportation, direct or indirect, there would be an encouragetuat, for the purpose of that exportation, of some wher production to which our situation might be
ktter suited; thus affording at least an equal,
od probably a greater, and certainly a more xnetical, employment to our own capital and
'That of the numerous protective and prohibi-
evt duties of our commercinl code, it may be wred that, while all operate as a very heavy Is on the community at large, very few are of TY altimate benefit to the classes in whose favour my were originally instituted, und none to the theat of the loss oceasioned by them to other
'That among the other evils of the restrictive putective aystem, not the least is, that the artias protection of one branch of industry or source prduction against foreign competition is set up rgound of claim by other branches for similar
protection; so that if the reasoning upon which these restrictive or prohibitory regulations are founded were followed out consistently, it would not stop short of excluding us from all forcign commeree whatsoever. And the same train of argument, which, with corresponding prohibitions and protective duties, should exclude us fron foreign trade, might be brought forward to justify the re-enactment of restrictions upon the interchange of productions (uneonnected with public revenue) among the kingdoms composing the union, or among the counties of the same kingdom.
'That an investigation of the effects of the restrictive system at this timo is peculiarly called for, as it may, in the opinion of your petitioners, lead to a strong presumption that the distress which now so geuerally prevails is considerably aggravated by that system, and that some rehef may bo obtained by the earliest practicable removal of such of the restraints as may be shown to be most injurious to the capital and industry of the community, and to be attended with no compensating benctit to the public revenue.
'That a declaration against the anti-eommercial principles of our restrictive system is of the more importance at the present juncture, inasmuch as, in several instances of recent occurrence, the merchants and manufacturers of foreign countrics have assailed their respective Governments with applications for further protective or prohibitory dinies and regulations, urging the example and nuthority of this country, against which they are nlmost exclusively directed, as a sanction tor the policy of such measures. And certainly, if the reasoning upon which our restrictions have been defended is worth any thing, it will apply in behalf of the regulations of foreign states ngainst us. They insist upon our superionty in capital and machinery, as we do upon their comparative exemption from taxation, and with equal foundation.
'That nothing would tend more to counteract the commercial hostility of foreign states than tho adoption of a more enlightened and more conciliatory policy on the part of this country.
-That although, as a matter of mere diplomacy, it may sometimes answer to hold the removal of particular prohibitions, or high duties, as depending upon corresponding concessions by other states in our favour, it does not follow that we should maintain our restrietions in cases where the desired concessions on their part cannot be obtained. Our restrictions would not be the less prejudicial to our own capital and industry because other Governments persisted in preserving impolitic regulations.
'That, upon the whole, the most liberal would prove to be the most politic course on such occasions.
'That independent of the direct benefit to be derived by this country on every occasion of such concession or relaxation, a great incidental object would be gained, by the recognition of a sound prineiple or standard, to which all subsequent arrangements might be referred; and by the salutary influence which a promulgation of such just views, by the Legislature and by the nation at large, could not fail to have on the policy of other states.
'That in thus declaring, as your. petitioners do, their conviction of the impolicy and injustice of the restrictive system, and in desiringevery practicable relnxation of it, they have in view only such parts of it as are not connected, or are only subordinately so, with the public revenuc. As long as the necessity for the present amount of revenus subsists, your petitioners cannot expect so important a branch of it as the customs to be given up
nor to be matcrially diminished, unleses some substitute lema objectionathe be wiggested. But it is upuiast rerry restrictive regulution uf' trade not "sharential to the revenue, against all cluties mervly protertiow from foreign comprdition, and against the \& $\mathrm{c}_{-}$ cess of such intiess as ure purtly, for the purpose of rerenurs and prertly fir thut of pirotertion, that the prayer of the presuint petition is respectfully submitted to the wisdom of l'arliament.
'May it therefore,' se.
For in necound of the doctrines with respect to the balumer of truld, fad the importation and expertation of the precions metals, see B.alaseve or Trambe, and lixchavor:
For an account of the articles imported into and exported from Gireat lritain, see lmoonss aso Eximots.
COMLDNIES. In Conmerco or the Arts, a company is a number of persons associnted for the purpose of carrying on some commercial or industrions undertaking. When there aro only a few individuals assoriated, it is most commonly calted a copurtury; the term company being usually applied to large nssociations, like the East India Compans, the lank of Eugland, the Jailway Compmies de., who conduct their operations by means of argents acting under the orders of a board of directors.

Companies havo generally been divided into two great classes-exchasive or joint-stock companies, und opon and regulated companies.

1. Exchusive or Joint-Stock Companies.-ly an institution of this sort is meant a company having a certain amome of capital, divided into a greater or smaller number of transferable shares, managed for the common advantage of the shareholders by a body of directors chosen by aud responsille to them. After the stock of a company of this sort has been subscribed, no one ean enter it without previously purchasing ono or more shares belonging to some of the existing members. The partners to nothing intividually; all their resolutions are taken in common, and are carried into effect by the directors and those whom they employ.

According to the common law of England, all tho partners in a joint-stock company are jointly and individually liable, to the wholo extent of their fortunes, for the debts of the company. They may make arrangements amongst themselves, limiting their obligations with respeet to each other; but unless established by an anthority competent to set aside the general rule, they are all indetinitely responsible to the public. Parlinment sometimes limits the responsibility of the shareholders in joint-stock companies established by statute, to the amount of the shares they respectively hold; and the 6 Geo. IV. c. 96 empowers the Crown to grant eharters of ineorporation by which the members of corporate bodies are made im" dually liable, to such extent, and cubject to such regulations and restrictions, as may be decmed expedient. IIcuce charters are now frequently granted for the purpose mercly of enabling companies to sut and be stred in courts of law, under the names of some of their office-bearers without in any respect limiting the responsibility of the sharcholders to the public. This limitation cannot be implied in a charter any more than in an Act of Parliament, and is lield not to exist uni'ss it be distinctly set forth.

In a private copartnery, no partner, withont the consent of the company, can transtie his share to another person, or introduce a new member into the company. Each member, however, may, upon proper warning, withdraw from the copartnery, and demand payment from them of his share of the common stock. In a joint-stock cempany,
on the cont rary, no member cabsemand paymont of his whare trom the company; but each mumbery may, without their eonsent, transfer hils share to another person, and therely intronluce a new member. Thes value of a share in a jointertow $k$ is always the price which it will bring lit the market: and this may be cither greater or lesa, in any jroportion, than the sum whili its owner statul. credited for in the stock of the company:' (Heath of ' Nations, p. :333.)
The law in regard to the formation and constitution of joint-stock companies was fur many years principally determined by the 7 \& 8 Vlet. c. $110^{\prime}$ the 7 \& 8 Vict. c. 111 having heen passen at the same time to facilitato their dissolution and windine up. Theso Acts and others wero repealed hy the 25 \& 26 Vict. c. 89 (except sec. $17^{7}$ of " and 8 Viet. c. 113 , and part of sec. 12 of $20 \& \Leftrightarrow 1$ Viet. c, 49), which is now (1868) the goven!ing statite in regard to these companies. The powers given to diflerent aswociations, though in some respects the same, differ widely in other, according to the spreial purposes for which they are orgnuised. But it would be idfe to attempt io specify in this place the peculiar rules and regu. lations affecting these institutions. Fill iufirmation respecting most questions connected with the constitution mud working of joint-stock companies may, however, be found in 'fhring's treatise on the law relating to these associations and to it we ber to refer the reader.
2. Utility of Joint-Stuck Companies,-Whenever the capital required to earry on any mudertahing exceeds what may bo furnished hy an individual it is indispensable, in order to the prosecution of the undertaking, that an association should be fonmed. In all those eases, too, in which the chances of suceess are doubtful, or where a lengthened period must necessarily clapse befire an undertaking ean be completed, sun individual, though ready enough to contribute a small sum in connection with ot hers, would, gencrally speaking, be very little inclined, even if he had the means, to enconnter the whole responsibility of such e terprises. Hence the necessity and advantage companies or associations. It is to them that are indebted for ti see canals and railways which every part of the country is interscetel, the formation of so many noble docks and war houses, for the institution of our principal barla and insurance offices, and for many other establis ments of great public utility carried on by th combined cajital and energies of largo bodics au individuals.
3. Branclies of Industry for the prosecution which Joint-Stock Companies may be adrantageond estabished.-In order to ensure a rational prosp of suecess to a company, the undertaking she admit of being enrried of according to a regul systematic plan. The reason of this is safficient obvious. The business of a great association $m$ be conducted by factors or agents; and unlessit of such a nature as to admit of their duties be clearly pointed out and defined, the associat would cease to have any effectual control them, and would be, in great measure, at mercy. An individual who manages his own fairs reaps all the advantage derivable from perior skill, industry, and ceonomy; but ngents, and even directors, of joint-stock e panies, labour, in most cases, entircly or pra pally for tho advautage of others; and ca therefore, however conscientious, have the powerful motives to act with energy, prue and eeonomy. 'Like,' says Adam Simith, stewards of a rich man, they are apt to con attention to small matters as not for their mas
huallir, and ver phsition fromi h. sion, therefore, $m$ in the manageme pany.' It also they suller from $t$ lewness and extra latter having in 1 alvance their own employers. IIenee panies whose busine wa nearly uniform rilluay, insuranee, those whone busmues duced to any regula always be left to th those cmployed. panies, trading upou later class, Not one whithstand the eomp they cannot subject th and spll comnodities eflectual responsibilit atance, and the abus themselves into every ment, ao such compnny then it has obtained se beta protected from con and cren with thes aedigence, profinsion, a fom the management paic, that those that la themat advaritageous bs mastr been ablo to keep shonio the article Eas that association Jost by it mot been for the aid de fladia, it would long sjı day m one hrarket; $t_{1}$ ater; to watch over this ratiations in the prices, an mand of comarodities; to : jadgment the quantity ai cration of ench market peration in the best and quires a degree of itmremid entina which it would b wom the directors or serva sock association. Henco wo orer again, that bruneh rorel ruinous to compan ecdipuly protitable when Th.
The spirit of monopolist ad forcible langruago of Gib doppressive. The work i. auctire than that of inde dew improyements so ea mpetition of freedom aro watuen rcluctance in thos ine the fear of a rival, and anerror.' (Memoirs of 1 arous Jorks, i. p. 49, ed. 18 eciramed in the first editi cherable obses now menti mien cstablishacles to the (stablished in this cou o! minirs in Amerjea. whmit of being reduced Nem. Ifuch must always probity of the agents emp waible, for plainly be very a raise any effectur directors resid fing of those whal surveill wat it is not at all are at frime never be atl likely $t$
bundur, and very easily give themselves a dispersation from having it. Negligence nond jiruflusion, therefiure, must always f evail more or hews io the management of the atlars of such a company.' It also not mufrepuenty happens that phey suffer from the bud tilth as well ass the careheyness and extravagance of their servants; the later having in may instances condeavoured to dvanee their own interests at the expense of their mployers. Hence the different suceess of companies whose business may be conductel! necording poa nearly uniform aystem-such as dock, caual, milway, insurance, and banking companies-and mose whose busmess does not admit of being reduced to any regular plan, and where much mast swass be left to the sagacity and cuterprise of those employed. All purdy comunercial comnanies, trading upon $n$ joint-stoek, belong to the ate dass Not one of them has ever beel uble writhstand the competition of private adventurers; ther cannot subject the arents they employ to hay midsell commodities in distant commeries to any fifectual responsibility; and from this circumdance, and the abuses that usually insinuate bemselves into every department of their mangetent no such company has ever succeeded, unless whan it has obtained some exclusive privilege, or been protected from competition.
and even with these ndvantages, such is the aedicence, profusion, and peculatiou inseparable twa the manarement of great commercial comprie that those that have had the nonopoly of the mot adrantageons branches of commerce have maderen able to keep out of delit. It will bo shomia the article liast Inima Company, that that ssociation lost by its trade; nud that, had it rat been for the nid derivet from the revenues dadia, it would long since have ceased to exist. Io luy in one market; to sell with protit in anlaber; to watch over the perpetually occurring raiations in the prices, and jut the supply and demand of commodities; to suit with dexterity and jugment the quantity und quality of goods to the wants of ench market; and to combuct each operation in the best and cheapest manner ; regairs a degree of unremitting vigilance and nttation which it would be visionary to expect tom the directors or servonts of a great jointsock association. Hence it has happened, over ma orer again, that branches of commeree which prod ruinous to companies hnve hecome exactingly protitable when carried on by indiridalas.
'The spint of monopolists,' to borrow the just wd forible language of Gibbon, 'is narrow, lizy, end oppessive. The werk is more costly and less maducive than that of independent artists; and he new improvements so earerly grasped by the smpetition of frectom are admitted with slow odsullen reluctance in those proud corporations, bre the fear of a rival, and below the contession in error.' (Mumuirs of his own Life, Miscelmans IV orks, i. p. 49, ed. 1814.)
We stated in the first edition of this work that exirumstances now mentioned opposed all but ryerable obstacles to the success of the comwis established in this country for the prosecnef minirs in America. 'This business does amit of being reduced to a regular routine Nm. Wuch must always depend on the skill Npobity of the agents employed nt the mines; at must plainly be very difficult, if not quite wasble, for directors resident in London to rais any effectual surveillance over the pro4ngs of those who are at so great a distance. ex it is not at all likely that these establish*will ever be so productive to the undertakers
as if they had been managed by the partles tltomselves,' And every one knows that the himent of the undertakings has more than veribed this truth of these staterments.
Tho Ables Morehlet has given in a tract jub)lished in 1769 ( E:xomen de he Reponse de JI. J.. pp. 35-3K) a list of 65 joint-8tock etmpantes, tir the prasecution of varions branches of loreign trade, estnblished in difierent parts of Europe sulm sorguently to 1 bibo, every one of which had tailed, though inast of them bad exclusive privileges. Most of those that have tren establinhed since the publication of Morellet's trict have hat a similar fate.

But notwithstanding beth principle and experlence concur in showing how very ill titted a large association is for the purpose of proscentiner commercial undertakings, there are cases in which they cannot be prosecuted execpt by nssociatlons of this surt, nut when it may be expedient to grant them certain peculint privileres. When, owing either to the disinclination or inability of Govermment to atbiod protection to those engaged in any particular departinent of trade, they are obliged to provide for their own defenco and sccurity, it is obviously necessary that they should have pewer to exclude such indiviluals as may refuse to submit to the measures, or to bear their dae share of the expense, required for the commen protection of all. The hissimn Cob:payy, the Eist India Compnny, the Levant or Turkey Company, and most of the other great trading companies which have existed in this comitry, seen principally to have grown out of a real or supposed necessity of this sert. It was not believed that nuy snfe or advantageous intercourse could he earried on with barbarnus comatries without the aid of ships of war, factories, interpreters \&c.; nad as Governonent was not always able or willing to atlord this assistance, the traders were formed into companies or associations, and vested with suchpeculiar privileges as nppenred to be necessary for enabling them to prosecute tha trade without nuy extrinsic supnort. 'When,' says Smith, ' a company of merchants undertake, at their own risk nad expense, to establish a new trade with some remote and barbarons nation, it may not be unreasonable to incorperate them inte a juint-stock company, and to grant them, in case of success, a monopoly of the trade for a eertant number of years. It is the casiest and most natural way in which the state can recompense them for hazarding a damgerous and expensive experiment, of which the public is afterwarils to reap the benefit. A temporary menopoly of this kind may be vindicated yon the same prineiples upon which a like monupuly of a new machine is granted to its inventor, and that of a new book to its author. But upen the expiration of the term, the monojoly ought certninly to determine; the forts and garrisons, if it was found necessary to establish any, to wo taken into the hands of Government, their value to be paid to the company, and the trade to be laid open to all the subjects of the state.' (Wealth of Nitions, p. 339.)

It may be doubt- $l$, however, whether it be really necessary, even in such a ease as that now mentioned, to establish a joint-stoek company with peculiar privileges, nat whether the same thing might not be more advantageously effected by the establishment of an open or regulated company.
4. Open or Regulated Companics.-The affairs of such compnuics or assuciations are managed by directors appointed by the members. They do not, however, possess a common or joint steck. Each individunl pays a tine upon entering into the D 12
company, and most commonly ant ammal cos of the bution : a duty applicable to the bush the goods company is aisomorted from allit to the comitrien imported and exporte. Thesums so eotleeted are with which they trade. applied by the directors functionaries as may be consuls, and sueh pubite fonctional dealings, or to required to facilitate commers \& e . The members huild factories, maintain unon their own stock, and of auch companies traike when the tine, or sum at their own risk. So that wherulated company, payable on aduission into a rerita members to is monierate, it is imposibut would have the elfect form any combination the wove the common level; of raisiug their protits above and close competition mad there is the same keen amongst other classes umongst them that thered comprany is, in fact, a device for making those engaged in a particular bramel of trade bear the pablic of politient ex it penses ineident to it, at the same business with enves them to conduct their own bay.
their own capita, and in mernment at any time reShould, therefure, fiford, that protection to those fuse, or be umble to afford, trade which is necessary engaged in any branch of trade their tormation into to enable company wonld seem to the the noat judicions mensure that could be adopted, inasment ins it would obtain for them that protection the freeis indispensable without ence.

The Wirien the Levant, and some other branches
tude were for a long time conducted by open or regruluted companies. These, however, have been regolished: the African Company by the Act by the Geo. IV. c. 28 ; and the Levant Company by still Act 6 Gco. IV.c. Bu, Nomy ]
exists. [Rusin Combany.] When application b. Constiturinment for an Act to incorpornte a is mate to rartament into a joint-stock conipnny number of individuns ony useful undertaking, eare should be taken not to concede to them any privileges that may be rendered injurious to the public. If a company be formed for the construction of a dock, a rond, or a camal, it may be neeessary, in oriler to stimulate individuals ecutiar privileges undertaking, to give themenfy, but if other persons for a certain number of yeafs; bat constructing new be permanently hindered from construenication, a docks, or opening new dines of the public. It may be hishly expedient to incorporate $\mathfrak{n}$ company but be pirse of bringing water into a city; but the purpose there were no springs in the vicinity supposing there to which this company has ncother than those the might, unless restrained by the Act incorporating them, raise the price of water to an exorbitant hicight, and make to the profits for themselves at the expense and thes ant, and injury of the pultice. of all joint-stock companies in the case, indeed, formation of canats, railways established for the rad policy not only to limit the \&e., it woudd be tor their services, or on account of rates charged for then sc, conveyed by their the water, ships, goods the dividends, or to fix a means, but also to which they should not be nurmaximum beyone that if the rates charged by the mented; enacting, more than sufficient to pay the compnay produce mividend, and to defray the wear maximum rate of dividenct, camal \&c., they shonld and tear of the aqueduct, be allowed to reduce them thil their decliuing to do much; and, in the event above paying the diviso, that the whole surpliss above paying the diviso, that the whole surplus above paying the stock of
dend shall be applied to purchase up the account of dividends may be entirely abolishect. thad this principle been neted upon when canais tirst began to be formed in lingland, the carriage irst bod conveyed by some of the most importiant of goods convey ding would now have cout ines of commanication wous thisable result might almost nothing; and this in the way now shighave been accomptished in diministisug in any gested, withont, we belthose umdertakiugs. I'rudegree the number of thon way in such cases would bably, however, the to reserve to itself, when he for the Lefisiature to it institutea such entes of charge, or to purchase to revise their rates 'There are few who, at the np the mindertakings. in much enterprises, suppose time they engage in winch 10 or 12 wre cent, that they will yietd more thas be disposed to engnge and vast numbers uuy reasonnble prospect of their In themif there bell. Now when such is the case, vichling this nuluel. Gow Government to provile, in is it not the daty ondertaking becoming in aus the event of and unsual degree profitable, that the public elonk derive sonie advantage from it? This is not a cnse in which competition can reThis is not to the common level. 'The best, perduce pronts to the cicable, line for a canat or railhaps the only practwo places will be apps mated way between nay lirst in the fleht; who thas, at by thase who are fors monopoly of which they fact, obtain a natural monence the advantage of canmet be deprived: and hence the. Without dislimiting the charges and affords a security that conraging enterprise, it ot reap an unusual and private individuals she unlooked-for protit at
zpense of the nublic.
In all those cas

## formed for the pros-

formed for the pros- of undertakings tha pulic by individuals. or whero there are no ver pronsic by ble difficulties to overcome, or tivis t considonter. they ought to enjoy no privilem encounter, but should be regarded, in every poin whatever, but she were mere individuals.
For accounts of the principal joint-stock a rar regilat of lingand; Docks; East lan see bank of
Cominany; lnumance; Rusia Company;
6. Compunies with Limifed Liability.- Then which are denominated by ce ktituted inagte ships on commendite, may be conity may belini variety of ways. 'Thus, the liability may be limi to the nmount of the sums which each para has contributed to the capital of the partues or it may extend to some multiple of such su or linkility of the manager (Fr. gerant) of The lialinty onally unlimited; but this, of coul concern is nsualy be the case.
may or may that the estabtishment of such pnics would be productice of many advanta panies wos the principle of asociatio that at present the pry important obstructed, and that the extreme risk which are neglected from the eculations; and that taches to jour-stock speculth limited responsil capital or a parting declared, there would be wonld be pubtely decared, fraud in dealing mi risk of bankruptey as now constituted. than with partucrships as these and similar doubt, however, whether much, or, indeed, to ments are cicice, as already secu (3rd he weight. Merertain classes of undertakings ndmit of being systematically carried on, the construction and management of dock ways, gas and waterworks, banks and ans offices on a large scale, and other codvantag same kind, which may be and are limited li

And there can be no good objection, in the event if a company being organised tor any such oljject, to five then a clater, if they require it, limiting the reaponsilhility of the partners to the nmount "t their shares. Whit the question now hefore uts Wes not concern this class of companiex, but has pelation to others of a totally different description, that is, to partnerships fur carry ing on some brnach it department of manufacturing or ngricultural industry, or of dome tic or toreign trade. In these asee the cost of articles, the conditions mulet which they are suppliesl, the extent of the demmad, and a thousand other circumatances, are perpetully changing, so that their production and sale annut be conditeted on a routine syatem, but ropure the mont vigilant attention to vary and abupt measures suited to enuergencies an they anis. Now the question is, will such partners lsijps be more prudently and skilfully managed by those whese all is responsible for their proceedings, or by hase whose responsibility is limited to some part pethups a small one) of their fortune, nul to whm, consequently, their success or failure is a matter of comparative inditherenco? Nucha guestinn evidently ndmits but of one unswer, which is wo obvious to require being stated. It is true, no dabe, that notwithstanding the heavy responsibility under which the partners in ordinnty assodisions or partuerships now act, they too often diplay an inexcusable degree of foothardiness. Baid parties will do this when everything that they have is staked on the result, what would they not do if they could limit their liabilities and seenlate, or it may be, gamble on a great scale rithout any fear of the result? It was all but cratain, and our experience in 1866 has proved, tha, under such circumstances, reckless apeculative and bankruptey would be increased in an unturlinary degree; and that the numbers and the intensity of chose mercantile convulsions rbich are proluctive of so much misery would be fur largely augmented.
But we have been assured that such would not W the case, inasmuch as the capital of all socities es commandite is publicly notitied! But rtake leave to sny that such notification merely pemtes to deceive and mislead the public. Supwe a partucrship begius business with a capital if to amount to 10,0001 . or 100,0001 ., what cunty have we that such capital has been wis fide paid in and will be really availnble? adsupposing that we have such security, it can applicable ouly to the outset of the enterprise. ayear or a couple of years the capital may be boly dissipated. What is to hinder the parta, if they be so disposed, from conspiring to Fide annoug themselves some 10 or 20 per cent. wit, when, perhaps, they have not made sixexe? Aal yet the association may, from the yance of the public with respect to its real stion, continue to enjoy the same degree of Mit that it did at the boginuing.
tis true, no doubt, that it is customary, where qanies with limited liability are established, pobilit the partners or commanditaires from mon any share in their management, which the rats exclusively in the manager or gerant. the policy of such prohibition, were it made rall, is very questionnble. 'This, however, is axtion into which we need not enter; for rody knows that the prohibition is good for ng, unless it he to make that be clone in a *ad underhand manner which would otherbe done publicly and openly. And it can The this without, in so far, corrupting the *and weakening their sense of honour and ral rectitude.
I.et it not be supposel that it is possible to obviate these abuses of partuerships en commandite by obliging them to publish an nunual balanco shect. Such a return would be worne than useless. liven if a partuership lintended to minko "un honest return, it would frequenty make whe that was false, from its inmbility to culcalate the delts owing to it at their just value; and if it wished to drens up a return, to make a rickety or bankrupt concern appear to be thourishing and wenlthy, it would bave every means and facility fur doing so. The frad might or might not be eventunlly detected; but if it were, it would not be till it had acrved its purpose, and embled a conern, destitute alike of character and wowk, to enter into speenlations that could hardly fini to ruin many unsuspecting partles.

A system of this sort eunbles a man to eacape front that responsibility which muturnlly attnches to all his actions, and is the grand necurity for their being fair and honomrablic. It tempts him to engrage in desperate adventures, of which, if successful, lie reaps all the advantage, and of whech, if unsuccessful, he eludes mest part of the loss. It is not ensy to sec how such a systemican be productive of any good result. Something, perlinjs, might be found to say is its favour if individuals were with difliculty found to engage in partnerships accompanied with the usunl risks. lhit there is no such difficulty. On the contrary, every outlet, whatever may be the hazard attending it, that "pens any flelif for the employment of capital wull the prospect of even a moderate return is iamediately filled up. Why, then, should we ofler soch parties a bonsus? Why relleve them of their natural responsibility to make them engage in jursuits into which they are ready and willing to engage without any extraordinary stimulus?
But it is said that it is unjust to interfere to hinder $A, 1 B$, and $C$ from engaging in a partuership with limited liability; that the terms on which the partnership is to be conducted being declared, everybody is put on his guard; and that there can be no more risk in dealing with it than with any other association. But in cases of this sort justice is inlentical with public or general utility, nud not with any abstract or imagined right. Society is founded on tho principle that every man and set of men shall be responsible, in the widest sense of the term, for his or their proceedings. And this principle should be enforced in all cases, unless when it can be clearly shown that the public interests would be promoted by its suspension. But we deny that this has been or can he shown by the advocates for the general introduction of partnerships en commandite; for we have seen, 1st, that in all ordinary cases such partnerships aro wholly unnecessary; and, 2nd, that, when organised, they unavoidably occasion a vast increase of fraul and of reckless speculation. There was consequently no ground for their introduction; but, on the contrary, now that they have been introduced, there are sufficient grounds why they should be suppressed forthwith.
It is sometimes said that by making the manager or gérant act under an unlimited responsibility, we should secure the advantages of both systems, that is, of unlimited liability, and of the new system of limited linbility introduced by the $10 \& 20$ Vict. c. 47 and subsequent Acts. But it is plain that it would to nothing of the sort. If the security of the public is to be augmented by making the manarer indefinitely responsible, that security would, it is obvious, be still further augmented by extending the same indefinite responsibility to all the members of the association. Under the proposed plan the girant may be a man of straw.

ILe may be, and the probability is that whenever it is thought asirable he will be, selected, not because he deserves the confidence of the for carrybut because he may be acpe of the ausociation or ing out the secre whit you will, it is impossible of its leader. from combining with his partuers to defraud the publie. Provided they keep their own connsel, how is the fraud to be discovered? And supposing it to he ultimately discovered, what advantage will thence result to those their have in the
property?

In dealing with firms or associations constituted on the principle of unlimited ta the reputation for or believe the may trist, the presumed wealth, of akill andintegring arties. Such parties have a one or mater to lose; and as they at the same time aet under the heaviest responsibility, the ehances are ten to one that they will act diserectly, faitly, and honourably. But a partner in a society en commandite has no such quarantees forl but irresponInstead of being reaponsible, he endictory alike of sible. And it would be conpose thant the one prineine and combla be as carcinlly and as honestly condncted as the other.

These reasonings might be indefinitely extended, but they have already eneroached too mueh on our limits. And yet, though bricf, we ineline to think that they are enough to show, even if the ruinous experience of 1866 had not put it beyond all doubt, that the establishment of partnerships en commandite would be productive of very great disadvantages unaccompanied by a single countervailing advantage. (See further under Paktnen:shils with Linited Liability.)
7. Civic Companics, or Corporations.-Dxelusive of the companies previonsly mentioned, a number of ancient companies or corporations exist in this and most other European countries, the memiers of which enjoy certain political as well as eommercial privileges. When the feudal system began to be subverted by the establishment of good order and regular government in the towns, the inhabitants were divided into certain trade or corporations, by which the maبristrates and other functionaries were chosen. The memberce of these trades or corporations, partly to provide the value of their privilege, and por thenselves, a resource, in case of adver of enacting by-laws acquired or usurped the pow members, and at segulating the admission providine a fund for the the same time set about, por misfortune might support of such as andigenec. Hence the origin reduce to a ships, the relusal to allow my one or appremer of a corporation to earry on any business withiu the precinets of any town corporate, and the varions regulations that had to he submitted to, and the fees that had to be paid, by the rlamants for enrolmer.t in corporations. Hor a lengthened period these privileges and regulations were yery oppressive; but within the last century their inflnence has been progressively diminishing. In France, where the abuses inseparable from the system had attained to a very great height, it was entirely swept off by the Revolution: and thongh corporations stil exist in this country, they have been stripped of several of their peculiar franchises ; and should now, for the most part, be regarded more, perhaps, in the light of charitable than of political institutions. It would be well were they redneed entirely to the former character; and were the few pulitieal and commercial privileges

COMPASS
they still enjoy, commmieated to the rest citizens. $A t$ their first institution, and time after, corporations, considered as ome time a were probably useful; but such解 longer the case; anmunities, they teud possess any rpeeral immetition which is so btruct the
he following extract from a Repart on the Comand Manufactures of the United Stutes, up by Albert Gallatin, Esq., then secretary up oy Alr, and laid before Congress in 1816, the Treasury, and ladatares resulting from the the superior advantages rey in a very strikiag nestricted frecdom 'No canse,' says he, ' has, perhap, point of view. 'No cause, raysect the general imore promoted in every States than the alisence vement of the Uns internal restriction and mons. hose systems or poly which continue to disllg laws exist here, viety in other countries. No mento a particular irectly or indirectly, eonfining mento a pitizen from ceupation or place, or excluding any eim proper to y branch he may: at any time, respeet, free and pursue. Industry is, in every rade, commerce, and mettered; every species of being equally open profession, and manufacture, behlar apprenticeship. to all, without requiring any reg the improvement of admission, or license. contined to the improvement america has not and to the rapid formation and of her agriculture, and to the rise wilderness; but settlement of new stave extendel their commerer to her citizens have extended carry on with conevery part of the globe, and canches for which a mete suceess even theretore been considered cssennonopoly had he,

There is in Rees's Cyclopadia, article 'Comany,' a list of the different civic eompanies be: onging to the city of London, in which the periods of their incorporation, and various other particulars with respect to several of them, are pecifled.

COMPASS (Ger. ein kompass; Duteh, zeekompass; 1)an. nöekompass; Fr. boussole, compas de mer; Ital. bussola; Span. aguja de marear Port. compasso de marear; linss, kompass hord belntii) or MARINER'S COMPASS. An in. strument composed of a needle and card by whieh the ship's course is directed. The needle. with little variation, nlways points towarls the north: and hence the mode of steering by the compass.
The common opinion is that the compass was invented by lhavio dioin. a eitizen of the orat famons republic of Amalf, very uear the begirning of the fourteenth century, Di. Roberem has adopted this opinion, and regrets that contim. porary historians furnish no details as to the lite of a man to whose penins society is 80 depr indebted. (History of Americt, vol. i. p. 47, vio ed.) But though Gioia may have made mprait ments on the compass, it has been shown that has no claim to be cousidered as its discorn l'asages have been produced from writers in dlourished more than a century betore giow which the polarity of the needle when Not wit. the magnet is distinctiy pomed outy beea of howerer, had this smqula yo the punwed covered, navigation, long previously to the foutieeth century. Old French writers have been quad (Macpherson's Aunals of Commerce, anno lin Rees's Cyclopedia) that seem fully to estald this fact. lat whatever doubts may exis mith respect to them cannot affect the phasares whid the learned Spanish antiquary, Don Antunis the learned Spanish antiquar,
Capmany (Questiones Criticas, p. 73-bion, 放

given from a (De Contemp piace Lully sa the magnet na per naturam taeta a magnet thor's acquaint: and the followi 'as the nautiea narigation' (sic in sua narigatio its ocing used by
There are no m which the needle made use of. It (see the authos Azuni, Dissertat that it was usnal of a straw, on tho C'apmany contend for the card and $t]$ jending the need given to the comp very large portion his Dissertation, th nions, is by no mea It is difficult to $\mathbf{c}$ could have availed tl but, howerer this $m$ that Gioia had con struction of the com tans having been the ase, he was, with exc by them, and subseqn its incentor.
The statements whi formandin regard to 2 compass have been tre be some preat authe questionable to warra them. (Capmany, p. Fuster, who is any thi the obligations we are
that they were ignor hometanism Uneeiled, bave neser been in the rorges; but had the traling vessels, the I came in contact, woul arailed themselves of and they would, in al mumicated it to the eridenee to show that the Indiana previously t (Azmini, De le Bousso there are no good gro the Arabs had any ki ment, or that it was
after the period when th foun the Venetians, the Eurppean traders. The deted to them for the to have little to recom becan to become known came powerful in the $M$
is too weak a ground chim, And though it with perfect confielence dir conehusion seems to 5a kiropean invention; Dive lith or 13 th centur
Some of the countries ertancan.
The reader will not cons dhec in a work on commu *s done so much to exte. shan the language of
given from a work of the famons Raymond Lulty De Contemplatione) published in 1272. In one piace Lully says, 'as the needle when touched by the magnet naturally turns to the north ' (sicut acus per naturam vertitur ad septentrionem dium sit tacta a magnete). This is conclusive as to the author's acquaintance with the polarity of the needle; and the following passage from the same work'as the nautical needle directs mariners in their asvigation' (sicut acus nantica lirigit marinarios in qua navigatione, \&e.) is no less conclusive as to its being used by sailors in regulating their course. There are no means of ascertaining the mode in which the needle Raymond Lally hat in view was made use of. It has been sutficiently established sce the authorities alrealy referred to, und Azuni, Dissertation sur $l$ Origine de la Boussole) that it was usnal to float the needle, by means of a straw, on the surface of a basin of water; and l'apmany contends that we are indebted to Gioia for the card and the method now followed of suspnding the needle-improvements which have given to the compass all its convenience, and a rery large portion of its utility, lunt this part of his Dissertation, though equally learned and ingefions is by no means so satisfactory as the other. It 18 difficult to conceive how mariners at sen could have availed themselyes of a floating needle; but, hoverer this may be, it seems most probable that Gioia had considerably improved the construction of the compass ; ind that, the Amallitans having been the first to introduee it to general use, he was, with excusable partiality, represented by them, and subsecuently regarded by others, as itsinventor.
The statements whicli have sometimes been put forsard in regard to lis nntir, uity of the Chinese compass have been treatod with very little respeet by some great authorities, and are much too questionable to warrant any stress being laid on them. (Capmany, p. 7 (isc.) The learned Mr. Forster, who is any thing but juctined to underate the obligations we are under to the Araus, admits that they were ignorant of the compass. (Mahonetanism Cureiled, dre. ii. 2e23.) The Chineso bave never been in the labit of making distant reages; but had the needle been used in their trading vessels, the Iudians, with whons they came in contact, would no donbt have eageriy saaled theuselves of so valnable an invention; and they would, in all probability, have communicated it to the Aribs; but there is no erideace to show that the compass was used by the Indians previonsly to the voyare of De (iamia. (Azunti, De lu Buussole, 1p. 118-12..) And there are no roort grounds for thinking that the Arabs had any knowledge of the instrument, or that it was ever used by them, till dier the period when they might have learmed it fom the Venctians, the Amaltitans, and other Europau traders. The notion that we are indebted to them for the compass appears, indeed, to have little to recommend it, except that it beran to become known when the Saracens becane powerful in the Mediterranean. Sill this is too weak a ground on which to fomme a clam. And though it be impossible to speak with perfect conidence on such a subject, the fir conclusion seems to be that the compass baEurosan invention; that it was diseovered on the lith or l3th centurs, and brought into use asome of the countries bordering on the Medifraticin.
The reader will not consider these details out of thee in a work on commerce, which the compass whone so mich to extend. 'Its discovery', to
(. in birth to a new acr in the hinstors of comine ce and navigation. 'I he former it has extended to every shore of the globe, and increased and multiphed its operations and beneficial effects in a degree which was not conceivable by those who lived in the earlier ases. 'The latter it has rendered expeditious, and comparatively safe, by enabling the navigator to launch out upon the ocean free from the danger of rocks and slioals. liy the use of this noble instrument the whole world has become one vast commereial commonwealth, the most distant inhabitants of the earth are brouglat together for their mutual advantage, ancient prejudiees are obliterated, and mankind are civilised and enlightened.' (Vol. i. p. 366.)

COMPOSITION. In Commerec, commonly implies the dividerd or sum paid by an insolvent debtor to his creditors, and aceepted by them in payment for their debts. [Bankizuircy; InSOLVENCY AND BaNERUPTCY.]

CONEY WOOL (Ger. kaninchenwolle; Duteh, konynhair ; Fr. poil de lapin; ltal. pelo di caniglio; Span. concjuna). The fur of rabbits. This article is extensively used in the hat manufacture; and besides the large supplies raised at home, a great deal is imported. The imports in 1866 anounted to $34,7 \mathrm{I} 5 \mathrm{lbs}$., valued at $14,7 \overline{2} 4$. These are exclusive of 841,934 concy ekins, furs, and pelts imported in the same vear.

CONFECTIONLRRY (Lat. bellaria; Fr. bonbons; Ital. confittura; Span. confitura; Germ. confect). Sweetmeats. In 1S66 we imported 1, 135, 681 los. of foreign confectionery, valued nt 42,5881 ., of which 231,019 lbs. were entered for home consumption, while we exported $1,850,992$ lbs. of British and 956,109 lbs, of foreign confectionery; the whole being valued at $118,406 \%$. Australia was our chief market. For an account of the confectionery of the ancients we refer the reader to $A$ picius: and as an authority on the sweetmeats of the old Jinglish wo would cite Warner's Autiquitates Culimaria.

CONS'l'IN'INOPLE ('lurk. \&Tambovi). A famons eity of South-eastern limrope, tormerly the metropolis of the leastern, as it still is of the 'lurkish empire, on a triangular point of land, on the European side of the Nea of Narmara (Dropontis), at the point where it unites with the Bosporus, or chamel lea ling to the Black Sea, lat. $+11^{\circ} 0^{\prime} 12^{\prime \prime}$ N., long. $28^{\circ} 59^{\prime} 9^{\prime \prime}$ L. Population variously estimated at from 650,000 to $1,075,000$, but believed, by tha best authorities, to be about 750,000 , The situation of this renowned city is, in a commercial point of view, one of the tinest imarinable. Standing on the narrow straits uniting the Mediterranean and Ensine Seas, she at once commands, and is the entrepot for, the commeree between them. Whe harhour is most excellent. It consists of an extensive intet, or arm of the sea, stretching along the morth-east side of the city, which it alivides from the suburbs of Galata and Pera. It has sufticient depth of water to float tho largest ships, and can accommodate more than 1,000 sail. The strong current that sets through the losporus into the Sea of Narmara strikes against Neraglio l'oint (see plan): r part of the water, being in consequance foreed into the harbon, runs along its sontliwestern side in the direction marked by the arrows-(see plan), till, arriving at its extremity', it escapes by the onposite side. In the midille the water is stitl. On leaving the port, it is necessary to keep well over to the northern side; for otherwise the ship might be taken by the current, and driven on Serarlio l'oint. It may be worth while, however, to remarl, that notwitls-
standing this inconvenience, tho enrrent has been of signal service to the city by scouring the harbour, and carrying away the tilth and ballast by which it must otherwise have lieen long sinee choked up. The distance acress from seraglio Point to the opposite suburb of Scutari, on the Asiatic const, is rather more than an English mile. Within less than mile of the latter is $a$ rocky islet, upon which is a tower and lighthouse, known by the name of the Tower of Leander. Foreigners reside in Galata, P'era, and the suburbs on the eastern side of the harbour; and it is there, consequently, that the principal trade of the place is carried on. The quays are good, and shijis lio close alengside.
The Bosporus. or channel of Constantinople, runs in a N.li. by N. direction about 15 miles, varying in breacth from $1 \frac{1}{4}$ to $\frac{1}{2}$ mile. It is swept by a rapid carrent, which it requires a brisk gale to stem, and has throughout a great depth of water. The llellespont, or strait of the Dardanelles, leading from the Archipelago to the Sea of Marmara, is about 13 leagues in length. Its direction is nearly N.E. Whero narrowest, it is little more than a mila across. It also is swept by a strong current, and has deep water throughout.

Theaccompanying plan of part of Constantineple and its port is copied, without reduction, trom the beautiful plan of the city and Bosporus, drawn and engraved by M. Nerzoff Robert of Munich, and published by Mr. W'yld of this city.

Nothing can be more imposing than the appearance of the city when seen from the sea, but on landing the illusion vanishes. The streets are narrow, dark, ilt-paved, and irregular. Owing to the want of any etheetive system of police, and of the most orlinary attention to eleaaliness, they are extremely filthy; and are infested with herds of dogsand also with rats, which perform the functions of scavengers. The houses are mostly built of wood, and tires are very frequent. Most of these happen designedly; the burning of a few luadred honses being deemed the readiest and most eflectual means of making the Govemment aware of the publie dissatisfaction, and of procuring a change of ministers, or a redress of grievances!

Money and Banks.-Owing to successive degradations, the value of the Turkish coin has been so much reduced that the piastre, onee worth about 4s., has fallen as low as $\frac{3}{3} d$. (See Mr. Secretary of Embassy Barron's Report of' 1867 on Turkish Finance.) But the pernicions consequences of this continued tampering with the standard of value were at last discerned by the Turkish authorities, and an attempt has been made to arrest the evil. In this view the old coins were ealled in and replaced by new ones, issued in 1844 , called Medjidie, from tho lata Sultan's name. The designations and values of these coins are given in the following table:-

New Moncy of Sultan AbiLul Medjid.

| Coina | $\left\|\begin{array}{c} \text { Value } \\ \text { in } \\ \text { rjasires } \end{array}\right\|$ | $\begin{gathered} \text { Welghi } \\ \text { Grannmes } \end{gathered}$ | Purity | $\left\|\begin{array}{c} \text { Value } \\ \text { in } \\ \text { France } \end{array}\right\|$ |
| :---: | :---: | :---: | :---: | :---: |
| Gold: The Juslik, Sarra Juslit (yellow piece) or piece of | 100 |  | -916 | 22-50 |
| The Ellifit, or piece of - | 50 | $5 \cdot 608$ | 416 | 11.25 |
| Piece of 10 piasires | 10 | 10782 | $\cdot 916$ | $\underline{2} 2.5$ |
| Piece of 5 plastres. | 5 | $0 \cdot 361$ | $\cdot 916$ | 1.12 |
| Sllver: The Meljitie, or plece | 0 | 2.055 | -8.30 | 4.55\% |
| The Onlik, or plece of | 10 | 12.055 | 8.8.31 | 2.47t |
| The Rechlik : | ${ }^{5}$ | 6.01 .3 | -8,301 | 1.114 |
| Copper Theilik Bech paras | 5 paras | \% $\begin{aligned} & 205 \\ & 50362\end{aligned}$ | $\stackrel{-831}{-}$ | 0.4 .13 $0.12 \%$ |
| Copperillir para Bech paras | pparas 1 para | 1.071 | - | 0.003 |

Unluekily, however, the supply of new coins, amounting to only abont $200,000,000$ of piastres was quite inadequate to fill the place of the old coins, and they either circulated at an agio in their favour, or were exported. To obviate the inconveniences of this state of things, caimes, or paper notes, were issuci. And to maintain the latter in circulation, and the piastre at a stationary value ( 108 piastres to the $1 l$. sterling), the Banik of Constantinople was founded in 18.18 . Hut, having failed to accomplish the objeets for which she was intended, and incurred a heavy lass, she was wound up in 1853, and the Ottoma: llank established in her stead. The functions of the latter are in part political, and in part commercial, She has a capital of $200,000,000$ piastres, in shntes of 2,000 ench; and is bound to withdraw from circulation old coins of the value of $497,000 \mathrm{~N}, \mathrm{mo}$, and to replace them by new coins; to receive sued caines as bear interest ( $132.000,000$ ) at par; and to receive those which do not bear interest $(45,000,000)$ at par, to tho amount of $\}$ in the payments made to her. In return for these services she is chartered for 30 years, and is to receive an annual pension of $30,000,000$, with a bonns of $30,000,000$ at the expiration of the charter. In addition to the functions now fied she transacts all serts of ordinary bauking business. (Sce the excellent and instructive mori of Ubicini, Lettres sur la Turquie, i. pp. 312-32j, 2nd ed.)
It would be hazardons to speculate on th fu. ire of the Ottoman Bank. Mueh, of eours, must depend on the regular payment of the pension of $30,000,000$; and that, we should think, was not a little uncertain.

Besides the new moneys, the old coins of former sultans, and also foreign coins, continue in circulation. But all large payments are made by the hitze, or purse of gold, of $30, \mathrm{~m}$ piastres, and the his, or purse of silver, of $\mathrm{min}_{\mathrm{s}}$ ditto. It may be worth while to mention that Ottoman coins are not marked with the effigy of the sovercign, but merely with his crpher, toughre.

Weights and Measures, - The commerial weights are- 176 drams $=1$ rottolo; $2 \cdot 272$ rotted $=1$ oke $; 6$ okes $=1$ batman; $7 \frac{1}{3}$ batmans $=1$ quintal or cantaro $=124 \cdot 457$ ( $124 \frac{1}{2}$ very nearly) lbs, asif. dupeis $=56 \cdot 437$ kilogrammes $=116 \cdot 527 \mathrm{lbs}$.of Ham . lourg. The quintal of cotton is 45 okes $=127.2$ ibs avoirlupois.
The pik, or pike, is of two sorts, the mratad and the less. Tho greater, called halebi arschin, used in the measurement of silks ad woollens, is very neur 28 inches $\left(2 i^{\circ} \cdot 9\right)$. The lesser, called endese, used in the measuring of cottons, carpets, \&e. $=27$ inches. lleare 10 long piks $=77 \cdot 498$ English yards, and 100 sbat piks $=75.154$ de. But in ordinary commerial allitirs, the pik is estimated at $\frac{3}{4}$ of an Englid yard.
Corn is measuret by the kisloz or killout $=0$ OH of a Winchester bushel; $8 \frac{1}{2}$ kisloz $=1$ quare The fortin $=4 \mathrm{ki}$ loz.
Oil and other liquids are sold by the amna meter = 1 gallon 3 pints English wine measure The alma of oil should weigh 8 okes. (Nelther brecher and Dr. Kelly.)
The Port Charges on account of English rex scls in the barbours of the Ottoman empin 48 tixed by treaty at 300 aspers, neither more ort less.

Trade \&c.-Owing to the vicious institation of the Turks, and the disorganised state of th empire, the trade of Constantinople is ruty in from being so extensive as might be supper
from its situa consist of con pally from the and yarn, iron, eutlery, watelas niture, iadigo, other European importel from 4 tities of Irazil imported, parti bottoms. Sugar but priacipally ports contisist of the most impor Angola goats' $h$ wood, opium, gall articles. Jut thi less than the imp to Constantinople return cargoes at at Smyma, Salon freguently procur far the largest $p$ city, and of tho hainds of Greek $\mathbf{m}$ nor skill, industr with whom they 1 dietanced their Eng peon competitors Armenians only $h$ the competition of negotiated by Jew nich.

If we formed an es stantinople from the its port is visited, reater than it reall circumstance of almos the Mediterranenn to latter to the former, ca times discharge and cirgocs. Wo subjoin

An Account of the N Foreign Ships that from, Constantinopl
Comntries to which th cunntries to which th
and I'onnage of thos

stean Navigation.
sited liv stent thed lys steanaers fron Illes, Tirieste, Odessn, mer places, and its co, empire, has in con.
from its situation and population. The imports consist of corn, timber, tallow, and furs, principally from the Black Sea; and of cotton stuffs and yarm, iron, conl, tin, tin plates, woollens, silks, catlery, wutehes and jewellery, paper, stass, furniture, indigo, cochineal de. from lingland and nther European countries. Corn and cottee are imported from Alexnndria; lunt considernble quanities of Irazil and West Intia cotice are also mported, particularly in British and American botoms. Nugar is partly imported from the East, but principully from the West Indies. The expurts consist of silk from Brussa, which is much the most important article, carpets, hides, wool, ingola goats hair, yellow berries, copper, boxopium, galls, lecelies, specie, and a few othe articles, Jut the exports are always very nuch loss than tho imports; and ships carrying groods to Constantinople either return in ballast, or get uturn cargoes at the ports on the Black Sea, or at Smyma, Salonica \&c., on which places they frequently proeure bills at Constantinople. By far the largest proportion of the trade of this citv, and of the Levant generally, is in the hands of Greek merchants, who by their superior skill, industry, and knowledge of those with whom they have to deal, have completely distanced their English, French, and other Enropean competitors (denominated Franks). The Ameaians only have been able to withstand the competition of tho Grecks. Bargains are negotiated by Jew brokers, some of whom are rich.
If re formed an estimate of the trade of Constantinople from the number of vessels by which its port is visited, it would appear to bo muel prater than it really is. This arises from the circumstance of almost all the vessels passing from the Mediterranene to the Black Sea, and from the later to the former, calling here, where they sometines disclarge and take on board part of their curgees. We subljoin

An Account of the Number and Tonnage of the Foreign Ships that entered at, and cleared out from, Constuntinople, in 1864, specifying the Cuntries to whieh they belonged, and the Number and Tonnage of those bulonging to each.

| Flags | Entered |  | Cleared |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Shlp3 | Tons | Ship | Tons |
| Britioh | 1,(0)7 | 571,544 | 1,594 | [664,419 |
| Iunian | 24 | 40,163 | 251 | 41,546 |
| American |  | 5,911 |  | 5.308 |
| dustrian | 1,301 | 472.949 | 1,297 | 471.888 |
| Bekian | 47 | 9,1.17 | 27 | 9,137 |
| Danidh | ${ }^{2}$ | 813 | 4 | 81.3 |
| Puth | 41 | 814,761 | 438 | 210.651 |
| Prench | 357 | 214,675 | 354 | 210.653 |
| Greek | 4,624 | 75i, 848 | 4,51010 | 7511,413 |
| Hanorerian | 52 | $3 \times 566$ | 5.1 | $3,61.5$ |
| Hanseatic | 7 | 1,314 | G | 1,314 |
| Jtrualen | 2 | 430 |  | 430 |
| latian | 2,289 | 613,410 | 2,312i | 562,350 |
| Meeklienburg | 2 28 | 51,363 | 259 | 51,569 |
| Sorwtran | 189 | 53,586 | 189 | 33,556 |
| Srudish | 5 | 851 | 5 | 854 |
| Oldenturgh - | 24 | 1,842 | 24 | 1, $5 \times 62$ |
| ITrusian | 179 | 51,195 | 181 | 54,1067 |
|  | 727 | 238,577 | 711 | 252,395 |
| Pottuguse: | 12, ${ }^{\text {nini }}$ | 635,542 | 15,312 | 572,709 |
| Molitarian | 160 | 13,220 | 159 | 15,132 |
| frrian - | 4 | 481 | 5 | 821 |
| Sumian | 24 | 14.878 | 257 | 16,043 |
| Oiter countries | - | - | - |  |
| Total | 25,0459 | 3,788,424 | 27.630 | 3,644,611 |

Steam Navigation. - Constantinople is now sited by stenmers from Lomilon, Liverpool, Marilles, Trieste, Odessa, the Danube, Smyrna, and her places, nud its commerce, as well as that of e empire, has in consequence heen materially omoted. The steamers belonging to the Lloyd

Austriaco at Trieste, and tho Danube Steam Company, are said to refleet great eredit on these associations.
Conmercial Policy of the Turks.-It is singular that as respects commeree, the policy of the Turkish Government, whether originating in design or carclessness, is entit'ed to the highest praise. 'No restrictions,' says Mr. Thornton, 'are laid on commeree, except in tho instanco of a gencral prohibition of exporting the articles necessary for the support of human life to forcign countries, especially from the capital, where alone it is rigorously entorced; and this impolitie restraint will no doubt be removed when the 'Turkish Government shall become sensible that what is intended as the means of securing abundance is in faet the sole cause of that scarcity which is sometimes experienced. With this one exception, commerce is perfectly free and unfettered. Every artiele of foreign or domestic growth or manufacture is conveyel into every port, and over every provinee, without any interfercnec on the part of the magistrates, after payment of the duties. On this subject I speak from actual experienee, and may appenl to every foreign or native merehant in Turkey for it: general truth.' (Present State of Turkey, vol. i. p. 8. 7. )

The duties on impertation are extremely moderate, being only 5 per cent., viz. 3 per cent. on goods when landed, and 2 per cent. on their being admitted to consumption. But the dities on exports of native produce amount to 12 per cent., whereof 9 per cent. is paid when the geods arrive at the port whence they are to be exported, and 3 per cent. on their being shipped. This 3 per cent. is not unfrequently represented as being the entire duty on exports. (Ubicini sur la Turquie, i. 281.) It is needless to dwell on the impolicy of a gracral export duty of this amount ; and the better plan would be to raise the duty on imports to 10 or 12 per cent., and to reduce the duty on exports to the 3 per cent. paid on embarkation. But drspite the 12 per cent, charged on exports, Turkey is entitled, in all that relates to trade, to read a lesson to most European powers, and this she did in a very ahle manner, in an official paper published in the Nonitur Ottoman, in September 183:. We extract a few paragraphs from this interesting document.
' (Good sense, tolerance, and hospitality have long ago done for the Ottoman empire what the other states of Europe are endeavouring to effect by more or less happy political combinations. Since the throne of the sultans has been elevated at Constantinople, commercial prohibitious have been unknown; they opened all the ports of their empire to the commerce, to tho manufactures, to the territorin produce of the Oceident, or to say better of tho whole world. Liberty of commeree has reigned here without linits, as large, as extended as it was possible to be.
'Here every object of exehange is admitted, and circulates without meeting any obstacle other than the payment of an infinitely small portion of the value to the Custom-house. The chimera of a balance of trade never entered into heads sensible enough not to dream of calculating whether there was most protit in buying or selling. Thus the markets of Turkey, supplied from all countries, refusing no objects which mercantile spirit puts into cireulation, and imposing no charge on the vessels that trausport them, are seldom or never the scenes of those disordered movements oceasioned by the sudden deticiency of such or such merchandise, which, exorbitanty raising prices, are the scourges of the lower orders, by unset-
thug their habits, and by inflicting privations, From the system of restrictions and prohibitious arise those devouring tides and ebbs which sweep away in a day the labour of years, and convert conmerce into a eareer of alarms and perpetual dangers. In Turkey, where this sy:tem loes not exist, these disnstrons effects are unknown.
'The extreme moderation of the duties is the complement of this régune of commercial liberty ; and in no portion of tho ghobe are the ofticers charged with the collection, of more enntithing facility for the valuations, and of so decidedly concihatory a spirit in every transaction regarding cominerce.
'Away with the supposition that these facilities granted to strangers are concessions exturted from weakness! The dates of the contracts termed Capitulations, which establish the rights aetually enjoyed by foreign merehants, recall periods at which the Mussulman power was altogether predominant in Enrope. 'The first eapitulation which France obtained was in 1535 , from Soliman the Canonist (the Magriticent), The elispositions of these contracts have become antiquated, the fundimental prineiples remain. Thus, 300 years ago the sulims, by an aet of mindifiecnce and of reason, anticipated the most ardent desires of civilised Eurupe, and proclained unlimited freetom of commerce.'

Did tho policy of Turkey in other respects harmonise with this, she would be one of the most civilised and powerful of nations, instead of beiner one of the inost abject and degraded. Uniorthnately, however, this is very far from being the case. Tvranny and insecurity miversally prevail. 'The chativator of the soil,' says one of her culogists, is ever a helpless prey to injustice and oppression. The Govermment agentis have to suffer in their turn from the cruelty and rapacity of which they themselves, have been guilty; and the manufacturer has to bear his full share of the common insecurity; he is fixed to the spot. and caunot escape the grasp of the local governor. The raw material monopolised by a bey or ayan may be foreed upon him at a higher price than le conld purchase it limself, and perhaps of inferior quality; tines may he imposed upon him, he may be taken fur forecel latoour. or troops may be quartered on his workshop.' (Urquhart On Turkey and its Resources, page 139.)

Some vigorous efforts have heen made of late years (especially since the accession of Sultan Abdul Aziz) by the Turkish Govermment to reform abuses, but with little or no practical etlect. lhere is, in truth, neither public virtue nor principle in the conntry to second these eflorts. Corruption of every kind isalmost as prevalent as ever; and the Rayas contiauc to be exposed to every sort of oppression. 'Though railways have been projeeted, Constantinople is not yet (1868) eommected by railway with the rest of Europe ; and agriculture is everywhere in the most abject eondition. Indeed, vast tracts of the most fertile (and of ohd the most flourishing) listricts of $A$ sia Minor are wholly waste and moccupied; and the evil. instead of diminisming, is contimually increasing. (For an account of Turkish agriculture, manulactures dec., see Ubicini, Lettres sur la Turquie, i. pp. 355-438. Thongh written with a strong bias in favour of the Turks, this is incomparably the best of the late works on Turkey.) 'The greater density of population in European Turkey, and whatever industry is found in it, are the to the conergies of the Christian population. And when the latter liave been emancijnted from the slavery
in whieh they havo been long held, by tho expulsion ot their barbarian task-masters from liurnes, the beantiful provinces in which the latter have been so long permitted to encamp will again become the favourite seats of industry and civilisation. But the degradation in which the antive inhabitants are involved would have been still moro complete but for the freedom of commerce they have always enjoyed. This has tended to keep alive the seeds of industry, and to countervail to some small extent the destructive inllucnee of oppression and insecurity. Had their intercourse with forcigners been either prohihited or placed under oppressive restrictions, the barbarismon of Turkey would have been completed, anil it is difficult to suppose that there could have been anything like wealth or industry in the empire.

Trade of Turkey with England.-The trale lietween this country and Turkey is of considerable valuc and importance, thourh not so much so as is generally supposed. Many of the slips for the Danube, Oilessa, Trebizond (eargoes in transit to Persia), und other ports on the Blaek Sea, clear ont for Constantinople; so that the exports to Turkey appear to be a good deal larger than they are in reality. Cotton stuffs and twitt are by far the largest articles of export; an! next inre woollens, iron and steel, coals, retined sugar, hardware and cotlery, machunery, earthenware \&c. Most of the Turkish establishments fir the manufacture of cottons, except those whieh use English ynrn, have been given op. 13ut the great cousumption of Turkey ronsits of home made fabries, and litherto these have not been mneh interfered with. The laper supplies of the stuffis we send ont are what are called plain goods; and if our coarser fabries shomld hegin generally to supersede those made lyy the 'Turkislı peasantry, it is not easy to say to what degree the demand for them might be extended.

Of the European states. Anstria and Switzerland have been our most formidnble rivals in the supply of 'lurkey with cottons. Their stufts were, in siveral respects, well fitted for the Lastern markets: but owing to the dithiculty they lay under of getting returns, and the continued and rapid reTuction in the price of English cottons, we hare grincl a decided advantage over them, and are now nearly in the exclusive possession of the mar ket. Cheapness is everywhere the grand desideratum. Though our muslins and chintzes be inferior in fineness to those of the East, and our red dye (a colour in great esteen in Turkey, Persia de.) be inferior in brilliancy, these defects are more thas balanced by the greater cheapness of our monls, and from Smyrna to Cantom, from Malras: Samarcand, we are everywhere supplanting th native falrics, nud laying the foumdations of commerce that will be eminently bencicial to ai parties.

Our commerce with Turkey lias been consider ably facihtated by the abolition of the duties a silks and oil, and the reduction of those on fin and eurrants. Nuthing, however, woull an tribute so much to its extensiun as the establisi ment of order and tranqaillity throughout country. But this, we fear, is beyond the abilit of the Ottoman Giovernment. The abowes whing have reduced the empire to its present state of d gradation seem to be inlecrent in the stmeture Turkish society, and to be in harmony with habits and prejudices of the people. Andit s. be the ease, that reform, which is so mull to wished for, must come from without, and hot th within. We subjoin-
. In Account of 1 Manufacture the 3 Years

Prineipa

# Aplaret and haberdavh 

 cous, cinder, and cult ap er, wrought and a Ciltum, ent Earthenware and nit value Erhenware and porcel Hantwares and cutlery., Tron, wrought and unwri Lixchs, eutcred by the yauar value
Machinery and mill 1 Machinery and millwurk arnts
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Prizipal and other itrich

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Romaniag paluer
And: Ala and linseed
Niste, tumbe, or husks

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Tre
We extract from the try of Embassy Barron, cfollowing statement of

| 1 ln | Mate $\begin{gathered}\text { of } \\ \text { Interest }\end{gathered}$ |
| :---: | :---: |
| 1619 | Per cint. |
| ks | 6 |
| 1800 | 6 |
| $0^{156}$ | 6 |
| - 15150 |  |
| $0^{1196}$ | 6 |
| beter ${ }^{18 / 5}$ | 6 |
| Graitale | 5 |

But Mr. Barron sfates that to give anythin

In Account of the Quentities and Volnes of the prineipal Articles of Drilish und Irish Produre and Munffecture exported from the United Kingalom to Tarkey, e.c Moldavia enul W'ullarhia, iu each of' the 3 Years ending with 18tit.

| Primeipal and other Artletes |  | Quantities |  |  | Jecharesi Real Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1stil | (196) | 1860 | 1866 | 1x65 | 1stin |
|  | value |  |  |  |  | 6iti, ${ }^{\boldsymbol{E}} 115$ | 101, ${ }^{\boldsymbol{t}}$ |
| Tow, cimeren, nod cular | touts | 15,5,814 | 144,752 | 1-8,2.31 | 72, 5 ¢4, | $7^{7} 3131$ | 93,1615 |
|  | $\underset{\substack{\text { cwts. } \\ \text { lis. }}}{ }$ |  |  | 10,363 | 256,984 | 75,906 | 51,873 |
| ${ }^{\text {chen }}$ | yardis | 118, 413,100 | 135,05\%, 166 | 161,681,218 | 5, 69706,3,26 | 5,517,747 |  |
| Letuass enter ni value - | value |  | 175, | 16, ${ }^{\text {cosiget }}$ | 16,013 | 13,127 | 5, |
| Earthenware and porceiain - | " | - | - | - | 39, 103 | 11,617 | 11 , ili. |
| 6, as manufactures |  |  |  |  | 19,8\% | 110,543 | 10, 812 |
| Hadwares and cutlery, unpmumerated | cwts. | 13,115 | , 5,917 | \%,009 | \% 518.870 | , 35,311 | 3.4,5112 |
| Itrin wrought and unwrospht | ${ }_{\text {y }}^{\text {yards }}$ | 1, 5i\%,084 | 2,315,3198 | 1,613,923 | 119,269 61,336 | 159,12\% | 121,762 |
| Luxis, entered by the gard at | - vilue | 1,7.1,084 | 2,315,308 | 1,613,963 | 2, 2,164 | 81,861 | 6.6,4.3 |
| \| Mashinery and millwwark |  |  |  |  | 46,399 | $96,0 \times 4$ | 33,6it |
| - $n$ tu | - gilluns | 2511,307 | 21, 268 | 1,50 | 29,904 | 2,3,50 | 2196 |
| Disar, refined | - cwis. | 8, 4,086 | 12,0871 | , hing | $\begin{array}{r}11,331 \\ 4 \times, 354 \\ \hline 1624\end{array}$ | ${ }^{38} 8$ | 2,802 |
|  | - value | 3,,127 | 3,469 | 3,3\%6 | - $2 \times, 3.38$ | $18,9,6$ 11,063 |  |
| Woilcth, entered hy the vard | varis |  | $2,328,182$ | 2,161,991 | 2142.6127 | 156,239 | 13, 159 |
| Worle at value | value |  |  |  | 9, 1936 | 8,219 | 15,246 |
| ${ }^{\text {', }}$ + othet articles | - " | - | - |  | 193, 1.t 9 | 259.708 | 124.749 |
| Total | - | - | - | - | 4,5x1,242 | 4,3ti1,731 | 5,305,98i |

Aroant of the Quantities and Computen I Galtes of the Principal Articles imported uto the Cuited Kinglom from Turkey, ex Mohlavia ant Wallacha, eluriug each of the 5 Fears cndiuy with 18tib,


We extanct from the Report of Mr. Scere- the Capital, the Ammuai Charge se. of the Nanry of Enbassy Barron, of Pelruary 11, 186it, tional Funded Debt of Turkey for the year we following statement of the Component l'arts, $186 \bar{i}-68:-$

| Jow | $\begin{gathered} \text { Rate } \\ \text { of } \\ \text { onterest } \end{gathered}$ | $\begin{aligned} & \text { Rate } \\ & \text { of } \\ & \text { Jnsue } \end{aligned}$ | Nominal Caprial |  |  | Amual Charge |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Inscribed | Hedeemed | Unredeenned | Interest | $\begin{gathered} \text { Amortis:- } \\ \text { tion. } \end{gathered}$ | Total |
| 1643 | Ler cont. |  |  | 39\%, | $\boldsymbol{\varepsilon}$ $2,601,000$ $4,1615,100$ |  |  |  |
| 15:3 | 6 | $\left.\begin{array}{l}85 \text { in } 38 \\ 60 \text { in } 39\end{array}\right\}$ | 5,000,000 | 419,603 | 4,580,100 | 270,312 | 73,500 | 350,014 |
| $\lim _{1562}$ | 6 15 | ( ${ }^{60}$ | $4,037,4211$ $8,0100,000$ | 111,110 112,990 | $1,896,120$ $:, 387,100$ | 114.817 | 23,900 205,760 | $\begin{aligned} & 1.55,717 \\ & 6,39,910 \end{aligned}$ |
| If $16 \times 5$ |  |  | 6,000, 1031 |  |  | 531,311 | 169,000 50,200 |  |
| E1561 | 6 | 68 | 2,140,400 | hti, 200 | 1,913,310 | 111,210 | 50,300 | 161,i10 |
| 1583 | 6 | 63 | 6,000,000 | 75,000 | 5,1327,100 | 318,747 | 157,560 | 506, 217 |
| Ginticrate | . | 50 | 56,363,630 | - | 3.3.54, 150 | 1,727,270 | 31:,451 | 2.072,744 |
| Total. | - | - | 73, 3 mi,450 | $2.160,110$ | 18\% $11 \times 280$ | 万, 1770,238 | 1,137,101 | 4,507,342 |

But Mr. Barron states signilicantly in page $\mid$ halauce sheet of the Ottoman Treasury is an intWhat to give mything like a arustworthy $\mid$ possibility.

## 412

 CONSTANTINOPLERegulations of the Port of Constantinople.-1. Such ships as arrive and anchor at an improper place, on being advised by their respective har-bour-masters to henve anchor, or loosell their cables, and proceed to another anchorage, will lie bound to weigh, and move in the space of :3 hours.
$2,3,4$. Such as remain after the expiration of the allotted time will have to pay 1 gohld medfidie for every day they remain, coming from the first.
5. The captains of such ships as require to throw a plank ladder on shore in order to discharge eunls or anything else, or to receive a cargo from the shore, will bestow great eare to see that such plank ladder is well fustened at both its ends, on bourd their ship as well as on shore.
6. Such captuins as take their ships through the 13ritge of Karakeny without procaring a Teskere from the Limun Oltassy will have to pay the penalty of 10 geld medjidies.
7. As the authorities of the bridge will be present without fail whenever it opens for the jurpuse of admitting or letting out ships, such captains as do not exhibit to those anthorities their 1'eskeres of admission or exit will have to pay the penalty of $1 \frac{1}{2}$ gohd medjities.
8. All steam tugs or steamers carrying passengers either into the Golden Horn or in the llosporns are forlidden to move from 1 honr after sunset up to $\frac{1}{2}$ hour beture sumrise.
9. Such as disregard this regulation will have to pay the penalty of 20 sold medjidies; and moreover, shonld they, whilst thus disregarding this regulation, damage any other ship, or a lighter. or boat, or anything clse, they will have to give compensation for that damage according to its evaluation. In any case instituted for the recovery of damages done whilst running after honrs, no plea of mancuvre or rule will be atmitted. The lour of the ocenrence alone will be considered.
10. Ships bonnd for the Black Sea on coming to the Kavak of Anatoli will send their boat for the special purpose of exhibiting to the authorities their firman and lighthouse ticket. The ship will halt as long as is necessary ; such captuins as do not observo this rule will have to pry 3 gold medjities as fine. Likewise all ships going throngh the Dardan lles will have to show their lighthouse ticket in the same way that they show their other papers. Such as do not will have to jay the above ine.
11. Such ships as arrive laden with gunpowder exceeding 15 okes, after having anchored at the place pinted out by the harbour-masters, will have to rejort to the Custom-house the quantity of gunpowiler on boarl, and they will have to hoist on their foremast a red sigual in order that they may be known. They will tly this signal matil the thischarge of the gunpowder or their departure for some other place. Wheh as do not observe this rule will have to pay 10 piastres for every oke of gunpowder they have on board, and sufter contiscation of their gunpowder. This rule will be observed in all ports.
Quarnntine.-Vessels arriving in Turkish ports from fordign ports are bound to produce a bill of health frum the nuthorities of the last port of departure. No consular bills of health are recognised. Any irregnlarity connected with bills of health is visited with a fine amounting to $10 l$. 16s. on steamers, and 91 . on salling vessels.

Vessels boumd to Constantinople must take pratique either at Tehanak-Kalessi (rown of the Dardanelles) or at Gallipoli, ar. 1 agran on their

## CONSUL

arrival at Constantlnople or at Buyukdéré Vessels proceeding from one Turkish port to another must be provided with a Turkish bill of health.

Vessels arriving from the Black Sea are bount to take pratiquo at. Kavak or Buyakdéré uader the same penalty as mentioned above.

The following is the quarantine tariff:-

1. Liecnse Fees.

2. Examination fices.

3. Fees from Ships in Quarantine.

4. Fices from Travellers. Each garile de santé, hevides his food, per day odying for disinfectants

## 5. Disinfecting Goods.



All ships arriving at Constantinople are liable to the 2nd of these clarges. Captnins of vessels are liable to the charges. All ships excent of mar, whether Turkish or foreign, are liable to the condition of quarantine, and tac fees payable.

## Harbour and other itues at Constantinople.



The above light rates are applied to vese under 800 tons burden; beyond that size above rates are charged.
'These dues are levied both on entrance clearance of a ship.

There are no pilotage regulations at Constar nople.

Exchange. -110 pinstres $=11$; 1 piastre $=? \frac{2 d}{}$.
We are indebted for these prarticulars to pris information, kindly afforded ly Mr. Legie, Majesty's Consnl-General, Constantinople.

CONSUL. In Commerce, an otticer appoia by competent aus: ority to reside in foreign cog tries, in the view of facilitating and extending commerce carried on between the subjects of conntry which appoints lim, and those of country or place in which he is to reside.

Origin and Appointment of Cunsuls.-The of consul appears to have origmated in ty abont t!n midille of the 12 th century. after this, the French und other Chriatian nat
trading to the berty to appoint impuented by the ater the interest sod determine su emmercinl affajr pactice was gidd thes, and in the whilied all over Dritit des Gens, sec lititish consuls w Crown, upon the re mapanies, or of $t$ trade with a part wer are now direct without requiring though it, of course, made,
The right of sendin cuntries depends elt cosreation. Ifence tl in different states. It estensive juriscliction thte which appoints $t$ joridection is not dist cas be regulated cith utreen the state app siring, the consul, or dibert in England ha be Bitish Governme with other powers for oriticonsuls. Turkey to this remark. Engli country several peculi brancient treatics, nud at the Dardanelles in 1 lated and agreed upon'That if there happen cate or dispute, among
the decision thereof shatl the decision thereof shall $b_{1}$ nudor or consul, necording mediding therein. ${ }^{4}$ Thin if crem.
that if an Englishme that nation, shall be inve other affair connected wi the jadge shinll not hear $n$ the ambassador, consul, preent ; and all suits exce aspers shall be heard at nowhere else.
'That the consuls appoin tion of their merchaned ton tence, he imprehants, sha) reace he imprisoned, nor cor themselves sent away; ences in which they may b pressader will our Sublime I
'That in canswer for th biect to that any Engli, 4, bhould hap nation, or artiscal nnd othen to die in its aot being knowicers s pags, interpose any to Silig or seizing the effect A death, but they shan b thed may, whoever he ma chave died have left them Clave died jutestate, then reted ap to the linglish tere be wo may be then ershall no consul or con delive be registered con delivering up the by ship shall be the whe "ire them.' be sent by
traling to the Levant began to atipulato for liberty to appoint cousuls to reside in the ports impuentel by their ships, that they might watch wer the iuterests of their subjects, and judge and determine such differences with respect to cmmercial affairs as arose amongst them. The pracice was giadually extendel to other countries, and in tho lith century was generally esWhished all over Europe. (Martens, Precis du Droit des Gens, scc. 147.)
liritish consuls were formerly appointed by tho Crown, upon the recommendation of great trading mamaies, or of the merchants engaged in the tale with a particular country or place; but ther are now directly appointed by Government, withont reguiring any such recommendation, thugh it, of course, is always attended to when mude.
The right of sending consuls to reside in foreign mnntries depends either upon a tacit or express covention. Hence their powers differ very willely indifferent states. In some they excrcise a very estensive jurisdiction over the subjects of the ate which nppoints them; but the extent of this jrididition is not cliseretionary, and must, in all caube regulated cither by an express convention letwen the state appointing and the stato rewising the consul, or by custom. Consuls estaHibed in England have no juticial power; and Whe Brish Government has rarely stipulated mith olier powers for much judicial authority forib coasuls. Turkey, however, is an exception to this remark. English consuls enjoy in that counts several peculiar privileges conferred brancient treatics, and confirmed by that signed ai the Dardanelles in 1809. It is there stipulated ond agreed upon-
-That if there happen nny suit, or other difference or dispute, among the English themselves, the decision thereof shall be left to their oun ambassubor or fonsul, according to their custom, without the judge or other governors, our slaves, intermeldijing thercin.
'Fhat if an Englishman, or other subject of that mation, shall be involved in any lawsuit, or other stfair conneetel with law (with a 'lurk), the jadge shall not hear nor decido thereon until the ambassador, consul, or interpreter shall be preent; and all suits exceeding the value of 4,000 aspers shall be heard nt the Sublime Porte, and nowhere else.
'That the consuls appointed by the English nmbassadors in our sacred dominions, for the protection of their merchants, shall never, under nny pretence, be imprisoned, nor their houses sealed up, oor themselves sent away; but all suits or differences in which they may be involved shall be reprented to our Sublime Porte, where their amlusador will answor for them.
'That in case any Englishman or other person Biect to that nation, or mavigating under its tag, dould happen to die in our sncred dominious, wurtiscal and other oflicers shall not, upon pretence Eits not being known to whom the nroperty bemags, iaterpose nny opposition or violence, by aking or scizing the effects that may be fomid at is death, but they shall be delive.on up to such Eglishman, whoever he may be, to whom the decaied may have left them by his will; and should chave died intestate, then the property shall be direred up to the English consul, or his repreatative who may be then present; and in case tere be no consul or consular representative, ey shall be registered by the judge, in order to addivering up the whole thereof whenever ? ship shall be sent by the ambassador to kaire them.'

Conformably to these capitulations, and the bylaws of the Levant Company, Nos. 39, 40, and 41, the consuls were authorised to administer justice in all cases of contention amongst liritish subjects within the Turkish tominions; and they were further authorised to send to England, in safe custoly, any Iritish subject resident in Turkey who sh suld decline their jurisdiction, or appeal from them to the courts of the Grand Signior or of any other potentate. And the Act 6 Geo. IV. c. 33 s. 4 (slightly moditied by the 6 \& 7 Vict. c. 94 ), for the abolition of the Levant Company, expressly provides for the continuance to the consuls appointed by his Majesty of the same rights and duties of jurisdiction over British subjects in Turkey that were enjoyed by the consuls appointed by the company.

At prosent, therefore, consuls in Turkey enjoy extensive judicial powers; but owing to the freeclom of Turkish commerce, and the simplicity of the regulations under which it is carried on, their other functions, with the exception of furnishing statistical detalls, are not very onerous. Mr. Urquhart, whose opinion as to all that respects Turkey is deservedly of considerable weight, seems to think that the julicial powers enjoyed by the Europenn consuls in that country havo been prochective of much mischicf. Still, however, wo doubt whether they could be entirely dispensed with in a comtry so peculiarly sitnated. llut there can be no doubt that it is highly necessary that the greatest care should bo taken in the selection of the individuals to whom such powers are intrusted.
Other Sitates have oceasionally given to consuls similar powers to those conceded to them in Turkey. Thus, in the treaty between Sweden and the United States of America, ratitied July 24, 1818 , it is stipulated that the consuls appointed by either Government to reside within the dominions of the other, or their substitutes, 'shall, as such, have the right of acting as judges or arbiters in all cases of differe.:-ps which may arise between the captains and crews os the vessels of the nation whose affinirs are intrusted to their carc. The respective Goveruments shall have no right to interfere in these sorts of afiairs, except in the case of the conduct of the crews disturbing public order and tranquillity in the country in which the vessel may happen to be, or in which the consul of the place nay be obliged to cali for the intervention and support of the executive power in order to cause his decision to be respected; it being, however, well understood that this sort of judgment or arbitration cannot depriva the contending parties of their rights of appealing on their return to the judicial authorities of their country.'
Duties of Consuls.-The duties of a consul, even in the confined sense in which they are commonly understood, are important and multifarious. It is his business to le always on the spot, to watch over the commercial interests of the subjects of the state whose servant he is; to be ready to assist them with advice on all doubt ful occasions; to see that the conditions in commercial treaties are properly observed; that those he is appointed to protect are subjected to no unnecessary or untjustitinble demands in conducting their business; to represent their grievances to the authorities nt the place where they reside, or to the ambassador of the sovercign appointing him at the court on which the consulship depends, or to the Government at home; in a word, to exert himself to render the condition of the subjects of the country employing him, within the limits of his consulship, as comfortable, and their transactions as advantagcous and secure, as possible.

## CONSUI,

The following inore detaited ex is taken from eneral daties of a liritwh comshl Law:Mr. Chitty's work On Commerriul to the properly A Itritish conma, mumt, shenth take care to gualited for his emplow mon lanquage ased hy the ganke hinself master of the han comatry where he make and the magistracy of the combery when when resides, so as to converse With case mon people of relating to his duties he must acguire that also, the port use another, he a the titte diberences that lie may be able to rentrucy of the place for withont troubling the masistrusy or the phee areithe interposition wif their mithority; such as and of dents happening in the harbour doing demage to hiv atation rach other.

He is to make himself aequainted, if he be not abready, with the law of mations and treaties, with the tarif or specitantions of dutips on menicipal orported or exported,
dinunes and haws. It is nlan his duty to protect from insult or impo-
It is nlso his dubfets of every deveription within sition British subperts of erery ingury sutfered is his jurishiction. If rethers his complaint hy one not obtained, he is to earry ire resiling at the conrt morial to the ?,itishininsters. If there be nune, on which the consulshipdepends. the court ; mat he is to address his.aself directly to the conrt; mis complaint he not il, in an important case, his complimbtint to his nusw ered, he is to transmit (Beawes, "unden, Majesty's secretary of state. (heawes,
( $\because C$.
-When insult or outrage is offered by a british subject to a mative of the plase, and the magisi rate there of complains to the come may by urmed firee and in ease of disohedemender, and order him to bring before him the onken; and if he refuse, he give immeliate satisfaction, jurstiction of the magisresigns him to the cand law of the garrison ; nevertrace, or ahroys acting as comasellor or adrofate at theless ahroys there is question of lite or property. his trial, when there is question of ifed of an ollence
" But if a British subjectited at sea, within the alleged to have been com oh his sovereig... it is then dominion or juristiction to chaim eognisance of the the duty of the consul to cham eozire the release canse for his sovereign, and to rephire the magisof the parties, if denan any such neensation bronght tracy of the place on any snclacheinl procechings before them, and that all jadicind he may deagainst them do instantly power of the country, divil nand the aid of the phe him to seenre nud jut the and military, to enable him to sechre ming ship as he acensed parties on hoardsuch bay be conveyed to shall thitain, lo be tried by their proper jutges. Great Britain, this requisition, the maristrates of If, contrary to tins requeceeding to try the othenee, the country persist then draw up and transmit a the consul should then draw inp an the court if memorial to the liritish minister aive an evasive that comatry; and if that eonrt give am olfence, answer, the consul should, if it be a sea ollence, apply to the Board of Admiraty at London, stating the case; and upon ther ent will lay the secretary for the proper departw who will cans the the matter before the king, who wident in Engambassador of the foreigu state, resident in thing land, to write to his bely be given by that dovernorders may immediately be giverlings agatust the ment that all judicial proceedings agn released. prisoner be stayed, and that he Crev, Beawes, vol. ii. (Case of Horseman and his Crea, p. 42.2.)

It is the alnty also of a lritish collow them Gel. all distressed British mariners, to allow them the daily tor their support, to sent them home in the first British vessels that sail for Englamd, and to
kep a regular aceonot of his dishomementa, which kepp a regnar at yomrly, or oftemer if repuirel, to he is to transmit gitmed by two british morehant
 of the phare: (liss 11, s. $2,0,11 \mathrm{y} .12$ ) 16 is
 alwo to pive free pases tu nid poor lirected to the juets wishinir tor return maket boats or ships of captains of the kimgs for take them on boarl. war, requiril
[SGMMEN.]
-'The consul is not to permit a llritish merchant ling to leave the port where he resides withme his masport, which he is not to grant mutil the manter mal erew therent have satiatied all jast demands npon them; ;ull lir this purpose he onght to we the governors pass of a garrisoned town, or the burgomanter's; buless the merchant wake himwelf whom the ship (Beawes, Le'x Mure. vol, ii. 1. t23.) responsible. (Beawes, to elaim and reeover all
-It is ulso his duty to elam and retonging to ltitish wreck, cmbins, am by tisherman or other persons, ship, fonmd t" pay tha usmat the Navy Maral.
report therent to the Navy monnts of his Majowty The consuls ametment ( 46 deo. 1ll. e. ! : are, ly express to administers onthe in all eaves 9) empowered to nime, in like manner as if they respecting efratantif the several towns or plares were maristratestioly renide. It is also lail where thay respecticely to attend, if requested, all down that a consill is to atten, is erned between arbitrations where property is concenghers, being masters of British ships anere he resthan.' (Chitty inhabitants of the plaw, vol. i. pp. $58-(6)$, and the On Commercial anities there quoted.)
numerous anthorities there the be a sulugect of the
Any malivin he is appointed or of another, may state by which till the otlice of consul, provided lie be selected to till ulnitted by the Govermment in be approved and ans to resile In most instance, whose territory he is to resine. (he sulijects of the but not naways,
state apmoninit them.
Much, however, of the peculiar buties of a consul must always depend on the nature of the intercourse with the conntry to which he is sent, and of the intructions siven hime Dritisl comulas are refularly supplied with eopies of all ate clatine to trade and navication, fatarantine, , have trade suppression, emitration dre, and with the treaties between this and other comitries, and mut of course shape their conduct accorming. They are strictly forbidden from corre No esulbainan private larties oll puble malruetions for British extract from the

## Consm/s:-

He will bear in mind that it is his primeipal duty to protect and promote the hawfinl trade and traling interests of Great Britain by every tim and proper metins, taking care to conform aws mud requlations in question; amd Brituin, aupporting the lavful trade of Great brian, with will take special notice of all prohibitions respect to the export or import of specitied artich es well on the part of the state wh wheh he nt as well on Government of Gritain sides as of the (ation all British subjects aganis that he may cautio commeree to the detrime earrying on an ind in violation of the hars an of the revemie, and in vioutry; and le will rerulations, of either commer impoliate notio fail to give to this deparinent imomelanam reguof any
lations.

- The consul will give his best advice and matia
pe, when called upon, to his Majesty's tradiag suljects, quicting their differences, prom, ma peace, harmony, and good-will amongst them, an
neiliating as much as de two countries upon which may fall under reat of noy attenist beis afiects, eithur ill their will uphold their righttin gas secured to them by ation in the proper offie the same time; be cariful midness and morleration sith the pablle authorit ary account urge chains, wijects, to which thoy mailed. If relress cam haladministrationt, or it to nut within their jurt: mply to his Majesty's Hjesty's minister, if th ithe country whercin lic wase makepesentatic tisor take such other st think yroper ; mul the con in to the instructions w deminister or consul-ge Emanuments of Consuls. ft-Tho emolaments of boe fuw years, priucipal heidepeniling on the rine isc. of the Brit denim, out of the limit Buttiu mode of remune rialirs changed lyy the Act fesparthe uniler this consideralle; but the tefi at less, compensated Goverument.
At prasent Ilritish co stances permitted to ea wher they are interilicte to do will it. The prine finction is male does not s if this distinction must bo plan would seem to be to $i$ deat at the great ports, nu ports, principally in tho arents, from trading; and The public duties of the sulfcient wholly to engri they are of such a kind as w podient for those employe in meceantile pursuits ; in class of ports, but little freq and whero the consuls ha fanctions to diseharge, $t$ necesisty for prohibiting t busincss on their own aceo horever, we aro clearly of in all cases be better not ryge, either directly or in indnitrions undertaking. fose of their institution is nieice with the nation in if furtherance of such obj vasions to communicate flomation in their powe eatters, not only tc the Go bem, but to such of its sul erir alkice and assistan antageous publicity may trions ways be extremely Ithe consul considered in ant; and when his ow eblic duty are set in oppo sacity to discover which cy. Hence the fair $p$ epeculiar information hi
 the two cometries upon all points of dillirence stich mny fall moder his cognisance. In the went of any attempt heing mude to linjure liritish abifects, rither in their persons or property, he will uphold their rightful interesta, and the privibes secured to them by trenty, by dne represenmion in the proper officinl quarter. If will, at we same time, be enreful to cotwluct himself with midness nol moleration ln all his transactions with the public authorities, and he will not unon by account urge claims, on behalf' of his Majest y's whifects, to which they are not justly nud tuirly tuitel. If redress camnot be obtained from the hadadministration, or it the matter of comphant be not within their jurisdection, the consul will andy to his Majesty's consul-general, or to lis Hjesty's minister, if there lo no consul-general athe country wherein he resides, in oriler that. he mus make a represeutation to the higher authoriunar take moch other steps in the ease ns he mny think polier ; and the consul will prystrict nttenbin to the instructions which he may receive from em minister or consul-gencral.'
Empuments of Consuls. Prohibition of Trading fo-The emoliments of our consuls were, until doen yenrs, primeipally derived from certnin hedepending on the tonnage, length of the rased $\$ \mathrm{c}$. of the llitish ships entering num eheras out of the limits of their consulships. Battir mode of remmerating them was materialischanged by the Act of ti teo. IV.c.87. The fres pathe under this Act (sce post) are inconsidende; lont the deficiency has been, partly at leasi, compensated by salaries allowed by Goverument.
At pesent Britisli consuls noe in some instances permitted to carry on trade, while in others they are interdicted from having any thing to do with it. The principle on which the distinctionis male does not seem very obvious. lut if this distinction must bo kept up, the preferable plan would seem to be to interdict all consuls resident at the great ports, num thoso resident at other ports, principally in the character of political azents, fron trading; and to permit it to ot hers. The public duties of the former are either quite sufficient wholly to cugross their attention, or thcy are of such a kind as would nake it very inexpolent for those employed in them to beocennied in mereantile pursuits ; in the case of the smaller dass of ports, but little frequented by lbritish ships, and whero the consuls have no peculiar political finctions to discharge, there is a less urgent neceesisty for prohiliting them from carrying on business on their own account. At the same time, howerer, we are clearly of opinion that it would in all cases be better not to allow consuls to enmare, either directly or indirectly, in any sort of indastrious undertakings. The main end and purpese of their institution is the facilitnting of comFutee with the untion in which they reside; and in fartberance of such object they ought on all ccasions to commmicate the fullest and carliest formation in their power touching commercial matters, not only tc the Government that appoints hem, but to such of its subjects as may apply for hhir adrice and nssistance. But, however adratageous publicity may be to others, it may in anons ways be extremely hostile to the interests the consul considered in his capacity of a meriant; and when his own ndvantage and lis dolic duty are set in opposition, it requires little yaity to discover which will have the ascendcy. Hence the frir presumption is, that a ating consul will rather endenvour to profit by - peculiar information his situation may enable

Sis interems at a merchant imet from atan, evers when nuch is not really the case, njplear to be la opposition to those of the parties for whose beder f lus Is sald to loe nppointed; and unde: such bircumastances his procerelinge, however fair, will nlways be liable to the suspicion of partinlity. It is material nlso to colserve that mereantile consuls labour under peculiar dlasadvantages in the obtnining of information. If a ronsul, not engaged in business, mako n proper nppliention to a public; functionary or merehant for Information ns to nny subjeet with which they may be aequainted, le will, in most instances, learn all that lhey know; fut it ls obviens on general principles, and wo have been assurvil of the firt by some of the most intelligent oflieers of the class, that it' a trading cousul make the snme npplication, the chames nre 10 to 1 he will either lerrn ublhing, or nothing that is not false or misIemding. The empuiries of the former excite no jealoasy, those of the later invarinbly do. The former is known to be netunted only by a feeling of liberal curlosity, or ly a winh properly to disclingere lis publice duties; but the Intere, being engagen in business, fets credit only for seltish and literested motives, and is believed to be secklng the information merely that he may turn it to his own necount. A mereantilo consul is, therefore, uniformly the object of the suspicions of all parties, both of his countrymen nuld of the foreigners anongst whom he resides. lustead of being, as he onglit to be, an independent public functionary, he necessnrily gets contangled in the cabals and intrigues of those whose ditferences it is his province to conciliate. Ho is tempted also to engage in smuggling adventires, contrary to his duty, and highly injurious to tise character of his nation. And though he should be proof ngninst temptations of this sort, he is, like all other individunls, subject to misfortune and bankmuptey; and may, in this way, bring discredit and embnrrassment on the Government that appoints him. 'These reasons seem to be frr more than sufficient to vindicate the policy of interdicting consuls from trnding. But wero it otherwise, it is enoogh to decide the question to state, that if they be minde properly to perform the funetions of their othen, it will ocempy every moment. of their time. 'lo the argument in favour of the existing system derived from coonomical considerations wo do not attneh the smallest weight. To attempt to save a few thousnnd pounds by allowing mimportant elass of public functionaries to engage in avocations inconsistent with their duty, and destructive of their utility, would be something tho very reverse of ceonomy.
Cost of the Establishment. Improvements made in it.-Wo had ocension, in the former edition of this work, to complain of the cost nat inaleguacy of our consular establishment. Jut its expeuse has since been very much, nud, in some instances perhaps, too much, reduced; nt the same time that measure have been taken for increasing the duties of the consuls by making them furnish detnils ns to the trade, manufactures, duties, prices \&c. of the districts in which their consulships are situnted. Ilitherto this importnut department of what ought to be the peeniar duty of a consil lins been most strangely neglected; hut if it be properly attended to, it will occupy a large portion of the consul's time, and will be a field for the display of superior talents. Some of the nnswers made by the consuls to the Circular Queries prepared for the former edition of this work were drawn up with great eare nul intelligenee, and reflected much credit out their

CONSUL 416 nuthers. There were $n$ good many certainly of a very linferior deseription ; but this is no for those woindered at-lt being linrdy poss their time to who have not given a good deaper reply to queries such sulbects, to make a proper reply to is to be relating to them. And if the system isceptible, perfected to the degree of the consuls ought to be the salaries nllowed to such as to afford a sutbicencracter, familinr with aervices of gentlemen of claracte, commerce and the principles of public law, commerce ${ }_{\text {tinnted }}$ statistics; and such only ough onjoin that part of to consular siltuations. Fo the Consuls that has tho General Instructions for he -
reference to statistical enquiries: - She Secretary of
"The consull wicate, so soon as the information he Stnte, in duplicate, sole him so to do, but nt nny can collect will elaable 6 months from the date of his rnte within a period of 6 months fom arrival at his residence, , epecifying the commoof the place and the export as import trade, and dities, ns well of the expoply the latter, together the countrics which mupply in into years, and the with the increase or decletino to be expected, and probable incrense or cases. Hie will state the the caluses in both with respect to trade at the general regulations is resident, and their effects. Ife place where he is residem, market prices within the will give the average mates of export and import; yenr of the several artickst articles, if any, are he will particnlarise to be imported into the absolutcly prohibited to whercin the resides; what articles nee country whercin he reted from any other places prohibited the place of their growth or production; than from the pace any privileges of importation, whether there be nyy and what those privighs, or belonging to, the that are of the built country wherein he resides; wods when inported difference in the in a foreign ship, and if so, into that country in a particnlar articles; what are the rates of duty pnyable on goods importce into the said country, whicther there be any tonnage dues, and what, payalle on shipping entering at, or clearing from, the ports no that counts, whether there be any (and, that country wherein goods rus berted with or on importation, and afterwards exported wer what without pny,

## regulations.'

Ile is also to transmit an annual statement of the trade with the principal ports of his consulship, and quarterly returns of the prices of corn \&c. Mr. Macgregor's Tariff
compited from these returns. The following are the provisions of . IV.c. 24) Geo. IV.c. 87 (modified by deharges of consuls:with respect to the salaries and chars the provision salaries to Consuls-- Wado for the maintewhich hath hitherto the consuls generna and connance and support of the consuls ger to rido within suls appointed by his Majesty nd foreign States the dominions of sovereigns nnd foreign sta to the in amity with his Majesty is inacequale genernl mninternnce and support of such comake further and consuls, and it is expedient cose' it is thereand due provisions for that purpose, eawful for his fore enacted, that it shal issued by the adrice Majesty, by any orders to grant to all or any of the of his privy council, or consuls appointed by his consuls general or consmby of the dominions of Majesty to reside or foreign state or power in amity nny sovereign or foresch reasonable salarics as to with his Majesty, such reast, nod by such advice Lis Majesty shail seem meet, nod by such advice
rom time to time to alter, increase, or diminish any such alaries or salar. 1.)
quire. (is Geo. IV. c. 87 A. 1.) (
Terms on which Salaries shall be gron issuned and of Absence,-Such salaries shall be ismied and paid to such consuls general and comsuls without fice or deduction; provider! that all such saturns be granted during this Majesty pleasur, anch conotherwise, and low held and enjoyed only us the suls genernl and consuls so theng places at which shall be actunlly resident at the places at which they may be so appo their offlees: provided neverthe chuties of such thelis Majesty shall, hy any theless, that for that purpose issued through one order to be for that paries of State, grant to any of his prinelpal secret or consul leave of alwence such consul general or cons may be so mppinted, from the place to which honsul shall be entitled to such consul sencral or consurt is to his Majesty receive the whole, or such part ns and during auch shall seem meet, of the saar.)
period of absence. (Sec. 2.)
Salaries in lieu of Fees formerly paid. Consuls not to take other than the Fees hereinafter mentioned. -The salaries so to be granted shalt te taken by the consuls general and consuls as a compensation fur all snlaries herctofore granted, and all fees of office nid gratuitics commanders of British vessels, from tho masters or comm, for any duties or seror from any oth consuls general or consuls done or vices by such consuls genersans; and no such conperformed tor any suls shall from January 1, 18\$6, se entitled, on account of anything by them done in encexceution of such their otfice, or for any serin the exy them rendered to nny masters or commanders of British vessels, or to any other person in ers of Brition of such their office, to ask or take any fces, rccompense, gratuity, compensation, or reward fees, recompor money, save as hercinafter isexor anted. (Sec. 3.)

Certain Fees still allowed to be taken.-It slall be awful for all consuls general and consuls appointed by his Majesty, and resident within the dominions of nay sovereign, or any foreign state or power in amity with his Majesty, to accept the scveral fees particularly mentioned in the tables to this present Act annexed, marked with the ceten $A$ and 13 , for the several things in the said ste and deeds prrticularly mentioncer his Majesty, by dules; and to be by made by the adrice of bii any orders to brivy council, from time to time as occasion my, require, to diminish or wholly to abolish all or ar of the fees aforesaid, and to establish and author of the payment of any greater or smaller or new the paymen for the several things mentioned additional fees the said schedules, or foral or consul done in the ex any such consul general (Sec. 4.)
cution of such Consuls demanding more Fees th
Penalty on
Penalty on he Schedule.- In case any cons. specified in the supointed by lis Majesty generai or consul appiself or deputy, of by aforesaid shall, by himself in his helhalf, ask person authorised thereto done in the execut accept, for anything by any service or duty by ren such his oitice, or for in such his ofliee, for person whomsoever, any other or greater remuneration than is specitied in the schedule than shall be sanctioned and specified in or by such order in council, the person 30 offending forfeit and become liable to sum of sterling British money, nmount of the salary of such person for salary less than the 12th part of such anich such pe the discretion of the court in which such
myp be reeovered; and wind conviction for any bivelthe, und for ever a proigg his Majesty in t1 dir. (Stec. b.)
Tuble of tire I printer to to be ex -1 printed cony of the bis det, or whleh may be LiMajesty in council, sh. rimant minner, for the in the Custom-house in tl diluther Custom-honsers buthurs of the United Ki woltreland; and printedi the cullector or other chi whech poets and harl, nuitously, and without f miter of any vesset cle wit or harbour, and dem

Talle of Fers to be exhi - leory of the schedule puot Iet annexed, or wis wanthorised by any suc theng up and exhibited in the public othees of on:ld appointed by his phave which they may merettia of all persons arcomsal general or consul to telitit any such copy o his puthie othice, or relisisin to le inspected by any per shal fietery such offence of Pitidh sterling money 1 the samut of the salary of' oofless than the 12th part at the discretion of the renalty mar be recovered. Superamunation,-'And y that his Majesty should be c vid consuls general and dreaid, allowanes in the ation of revard for meritor it is further enacted. that al tancd in as) Geo. III. c. 1 5 Gow. IV. c. 101, respe Whomanes, nre herely exten
Eneral and consuls, suy far ran be ap plied to the casea o espectively, as fully to all
Gif the sime were repeated Fisent Aet. (Sec. 8.) Thi euperamation det of $4 \&$ Alluranees durirg War:tre happen that by reasot a lerenfter arise between riceigh, or foreign state ginions of whom any suc asul slall be appointed t. evented from residing, an resile, at the place to $y$ pointed, it shall be lawful ?orter to be issued by the weil, to grant to any suc and, who may have servel exity for any period not le re than 10 years next prece cof any such war, a si meding the proportion nes to which such consuls wid be entitled nuder the p of 3 Geo. IV., in case rective service bad uxceed exceeded 15 ycars: provi consul gencenl or consu
\$y be recosered; and shall moreover upwit a in mels lis oftice for the spaco of 10 years aml weinal conviction for any much offilee turfeit sued Whather, ant for ever after become inenpable of aring his Majesty in the snme or the like capadir, (Sec. 5.)
Table of F'res to be erhibited at Custom-homses. - A printel copy of the tablu at fees allowed hy this det, or whilin may besatictioned or allowed by any order to be mado lit pursianice of this Net liy Whajesty in conncil, shall be exhibitent in a consgionons manner, for the inspection of all persens, in the Custom-louse in the port of lomilon, and in dilother Custom-lomsens in the neveral ports anat buthers ot the United Kingelona of (ireat liritain milfelame ; and printed copies therof whall, by the cillector or other chief offeer of cumtones in diduch ports and binrlomes, ho delivered grat tuitously, and whthout fee or reward, to every mater if any vessal clearints ont of any suel ato of harbour, and demambing a copy thereot. (*N. 6.1
Tulle of Fres to be axhibitul at Comsuls' Ogfores. - dony of the schedule or tablo of fees to this Fent .let annexed, or which moy lee establisluril whathorised hy any such order in conncil, shanll tehne up and exhibited in a cousplenous plate in the public otliees of all ronsula frenerns or and apminted by his Mnjesty, in tho for ion danto which they may he no npiointerl, fur the byention of all persons interested therein; anil arcoasul grueral or consul omitting or meqlecting toestidis any such eopy of the seliedules in such his pabic oflice, or refusing to permit the same to beinacted by any person interested therein, shal for very such oflenee forfeit anm pay a sum of Pritith stcrling money not exceeding one half the amonat of the salary of surli persom for I var, actlest than the 12 th part of such annual salary, at the discretion of tho conrt in which sued thalty may be recovered. (Sce, 7.)
Supermanation.- ${ }^{6}$ And whereas it is expelient thet bis Majesty should be emabled to grimit to the sid consuls genernl and eonsuls, apointed is afrenid, allowanes in the natiore of superamintation of reward for meritorions publie services: it is further cumetel. that all the regralations eontains in if Geo, III, c. 117,3 Geo. IV. c. 113 , 3 Ges, IF. e. 10.1 , respectimis superanmuation dilloranees, are herehy extended to the said consuls general and consuls, su far als such reguhations can be aplied to the cases of such several persons tespectively, as fully to all intonts and purjoses of the sime were repeated and cmacted in this masent det. (Sec, 8,) This is morlitied liy the

Alloranes during War.-1f it slanll at any
ime hapen that by reason of any war whicli nay herenfter arise between his Mijesty and any receign, or forcign state or jower, within the mintons of whon any suche consul general or toul shall be appointed to re-ite, he shall be erented from residimg, and shall in fact cease resite, at the place to which be may be so wointed, it shall be lawfil for his Najesty, by ? orker to be issued by the ndvice of his jrivy cuell, to grant to any such consul genern] or mala, who may have served his Mojesty in that facity for any period not less than 3 years, nor we than 10 years next precediner the conumencetht of any such war, a special allownnee not reding the proportion of their respective anes to which sueh consuls general and eonsuls wad be entitleal under the provisions of the said : of 3 Geo. IV, in case the period of their pective service had exceedcd 10 yenrs and had execeded 15 years: provided that in ease any consul general or consul shall have served
murs, it slunll be lawful for his Mnjesty, by any atteli orthr in contucil as aforesaid, to grant to hini mach a proportlon of his malary, which by thes said Aet is muthurivid to tee granted, as a supernanimation allowance, aceoriling for the aeveral periods of arvice exceceling 10 years, in the said Act. ( 6 tico, IV, c. $87 \mathrm{~s}, 9$. )

Tiblis of Fe's allouced to be tuken by Comzuld Grucrit unel Consuls, substitutal by Orifers in



## 1'int I.

L'ees to be tukn in rexpert of mutters in which the Consul's interposifion is required ly Latu.
 Patr 1 f .
Fecs to be tuken in resyect of mutters on whitk the Comsul's intorposition is to be given only when rugured by the proties interested.

## For noting a protest whth certiliad cony if required <br> wir orther af survey

our extinding a protext or survay
 For attenting tottomry or arhitraton bond not prepared by For atsendance out of eon-ul ir oflice at is shipwreck, or fir the parpose of ashisting a blif th diftress, or of or fin wrected kooss or prepperty, user and above traveling,
 value, fir every day's atfondtance during which the valua
tion colltmues o ${ }^{-}$For attenting saite of gooln if purchase money is under
vinl. Fur atiending the sale of pooks if the purchase" moner is \%h1, or upwards, fur esery tay during whith the sald Certilicate of due landing of goods exported fiom the l'nited Kinudom. fill of healthin The of phesport Gieping of will of a British solyject not heing a sesman :
 Hegistratiph of ducoments or other mattery
And if exceeding lill u orde, for every athitional ith word 010 it, For every certitited coply of a docmment not befare men-
Ind if it excieds 100 words, for empry addutionat $i 00$ worits For ndministering an outh or declarstion, including attesFor altestiny a siunature
For annesing the seat of office and signature to any docu-
or annt nut mientionet in or otherwise provided for ly this
talle
Note 1. - No fee is to be taken for the custaly of or ember ahin artieles and papers sleponited with the consul in pursuance of the Metchant shipping Act 1sis, sec, 279 .
Sule 2-Where any fee is tixed ly the foregoing tables for any parnalure, atte tation or annesung seal of office
Note 3. - The alove fees. If not paid In English money, are to be calculated at the current rate of exrliange.
 Councll of July $27,186,3$, ond the following feres subatitoted in lien
thereof:- 1 In respect of every Britioh ship on each occaslon of her entering or ctearing at any port in the bill of heath if required) ss.?

For an aceome of the dutics devolving on our Consuls under the Morchant Shipping Aet, see Instructions to Consuls prepared by the Board of Trade and approved by the Secretary of state for Foreign Affairs, 1855, and Supplementary Instruttiens, 1 stis.
CONT'TASBANI. I Commeree, a commodity prohibited to be exported or imported, butight or sold.
Contranand is alse a term applied to designate that class of commolities which neutrals arw not allowed to carry during war to a belligerent power. [Neutibaity.]
CONVOY. In Navigation, the term applied to designate a ship or slips of war, appointed by tiovernment, or by the commanter-in-chicl on a particular station, to escort or protect the merchat ships proceeding to certain ports. Convoys are mostly appointed during war ; lont they are rometimes also appointed during peace, for the seeurity of shijus navigrating seas infested with pirates.
[whiduals have not always bern left to themselves to julse as to the experliency of sailing with or without convoy. The Governments of must maritime states hite thourlat proper, when they were engaged in hostilities, to oblige their subjects to place themselves moder an eseort of this sort, that the eneny might not he emriched by their capture. Sets to this ellicet were passed in this country during the American war and the late l'reneli war. The last of these Aets (13 Geo. III. e. 5 -) enaeted that it shonld not be lawlul for any ship helomginit to any of his Majesty's subjects (exeept as therein provided) to depart from any port or place whatever unless under such convoy as should be appointed for that purprse. The master was required to nse his utmost endeavomes to continue with ha convoy during the whole vovace, or such part thereof as it should be directed to areompany his ship; and not to separate therefrom wiohont leave of the commandur, muder very hemy pecuniary penalties. Ahd in case of any ship departing withont convoy contrary to the $\dot{\text { Let }}$, or wilfilly separating therefrom, all insuramess on the ship, cargo, or freight, helonging to the master, or to any other perion directing or privy to such ileparture or separthtim, were rendered null amb vod. The customs otlieers were directed not to allow any ship that oucht to sail with convor to elear out from any place in the United liongrom for foreign parts withont requiring from the master bond with one surety, with condition that the ship should not depart without convoy, nor afterwards desert or wiftully separate from it, The regulations of this Act difl mot extend to ships not requiring to be registered, nor to those lieensed to sail without convoy, nor to those engaged in the coasting trade, nor to those bebongint to the East India Combany de.
It is very common, during periods of war, to make sailiny or departing uith convoy a conulition in policies of insurance. 'This, like other warranties in a policy, must be strictly performed. And if a ship warranted to sail with convoy, sail withont it, the prolicy becomes voil, whether this be imputable to any negligence on the part of the insured, or the refisal of tiovermment to appoint a convoy.
There are five things essential to sailing with onvoy: viz. first, it must be with a rogular conroy, unter an olkeer appointed by Government; secondly, it must be from the phace of rendezrons appointed by dovernment ; thirdly, it must be a ronvoy for the voyage; fourthly, the master of the slif must have sailing instructions from the

## COPAL

commanding officer of the convoy; and fifthiy, tha ship must depart and continne with the convor till the end of the voyuge unless serparated lif necessity.

With respect to the third of these conditions wa may observe that a warranty to sail with convos generally means a convoy for the royage; and it is not necessary to add the worils "for the voyag. to make it so. Neither will the adding of thest worls in some instances make the omission if them, in any case, the grombl of a different emstruction. A warrauty to sail with convoy dues not, however, uniformly mean a convoy that is to accompany the ship insured the entire way frims the port of departure to her port of destinatiun. but such convoy as Government may think tit in appoint as a sutlicient protection for ships goins the voyage insured, whether it be for the whole or only a part of the voyage.

Sailing instructions, referred to in the fourth condition, ure written or printed directions derivered by the commanding officer of the conver to the several masters of the ships umder his cari, that they may understand and answer signal, and know the place of rentlezvons appointed fir the tleet in caso of dispersion by storm, or by al enemy de. These sailing instrations are in very indispensable, that no vessel can have the full protection and henetit of convoy without them: hence. when, through the negligence of the master, they are not obtained, the ship $i ; n$ said to have sailed with convoy; anl a warmant in a policy of insurance to that effeet is held ne to be complied with. If, however, ihe master is all in his power to obtain sailing instrmetions, int is prevented from obtaining them by any insupir able obstacle, as the badness of the weather: of they he reflased by the commander of the courer the warranty in the polioy is held to be complie with.

For further information as to convor, sec . What On the Laur of 'Shipping, part iii. cli. iii. : Marshal On Insurunci, book i. ch. ix. see. 5 ; and the di 13 fieo. 111. c. 57 dc.

COPAIVA. [Balsam.
CO1'Al, improperly called Gum Copal. valuable and singular kind of resin, that natual exules from different large trees, and is inpunt patly from America, and partly from the t Indies. The best copal is haril and brittle. romented lumps of a moderate size, easily redue to a fine powider, of a light lemon yeliow eola beautifully trausparent, but often, like anb containing parts of insects and other smali exta neous bodies in its substance. Itaspecificart varies from 1.045 to 1.139 . It has neitber solubility in water common to fums, nor solubility in alcohol common to resins, at land any considerable degree. It may be disolvent digestion in drying linseed oil, and other valar menstrua. This solution forms a beautifult parent varnish, which, when propery at and slowly dried, is very hard and very duril Copal varnish was first discovered in Fiance was lomg known ly the name of cernis murtim is applied to sumfi-boxes, tea-boards, and utensils. It preserves and gives lustre to pal ings; and contributes to restore the deas colours of old pietures, by tilling up eracks rembering the surface capable of reflecting mure uniformly. Copal is liable to be confoun with gman animi, when the latter is very clear fool. But it is ol importance to disting between them, as the animé, though valuable varnish, is much less so than the tinest copal; varuish with the former being darker eolog and nut so hard. Besides the extemal appear
of each, which is p the solubility in a the anime being while the copal is aso brittle betwee witens in tho mont? Di.tionary; \&c.)

Gium copal is dug
Afrien, in few mile ( hanaibar ; an infe Whand The supply ithe, and the prodn
indolence of the neg thuy to supply th chaved fond the dig, reviling on the coast. on Museat for $1 \times 100$, axpurt from Zanzibar rawel at 37,166 ? I turuzkh, equal to abou duyduring the dry sea tuned in the wet.
ln 1866 the imports ente. valued at 37,250 the linilippine Islands, Ettlements, and Portug opal fom the Philippir owh; that from other The lest comes from Bon int.
COPENHAGEN. Th the E. onst of the island are of the Baltic called th
 1) enses of $1860,155,145$
 wiwinto Copenhagen, th ware in the Stubben Ban waft in the Middle-sromme dithe three Crowns batteric tempass. From the thir scouse is S.S.W. The mif to 4 fathoms deep; de marigation rather diffich atiop to take a pilot on fith tor one, she may he: atter: when he will come ctediding to come into har an at from $\frac{1}{4}$ to $\frac{1}{2}$ mile $f$ whs, the town bearing ur, widhin the boom, the adeep. Vessels in harl moyde the quay. The an y youn and sate.
Paney.-Accomuts are ke or 96 skillings; the
 Thieh the new or Rigsl Hith being half the rigsl is and 妾 of the ohit fencrally used in con whene mo The pror of majestank dollar, wo Heghists s. Meresur sterling. if pounds $=1$ lise - The
a; lou lbs $=1104$ los

liguid measures are
$\frac{1}{4} \mathrm{alm}=1 \mathrm{hogrsh}$,
pipes $=1$ quarter.
Wta, and wine gallons.
Not and 100 pots $=251$
dry measures are, 4 y
dol tönde or ton;
ester bushels. The ;
fach, which is pretty distinet to a practised eye, the solubility in aleohol furnishes a useful testthe mine being readily soluble in this that, while the copal is hardly afleeted by it copal is an brittle between the teeth, whereas anime hens in the mont... (Rees's Cyclopedia; Ure's Distionary; \&sc.)
(ium copul is dug from the earth on the coast Africa, a few miles inland, opposite the island Zanzibnr; an inferior sort is also found on the i.land. The sumply is supposed to be inexhanstWhe and the production only limited by the mblence of the negroes, who will merely dig up anumh to supply their daily wouts. It is purwhasd fo ${ }^{\prime \prime}$ the diprers by the Indian Banians riture on the const. Colonel lelly in his Report an Muscat for 1860, publishat in is68, states the appore from Zanzibar to amount to 875,875 Ibs. raphed at $37,166 \%$. It is usually sold by the
 durduring the dry season is inferior to that obtined in the wet.
In 1866 the imports of gum eopal were 12,911 ents. valued at 37,250 . The chief sources are the Hilippine Islants, Sierra Leone, the Straits Sotlements, and Portugal. The average price of opal fom the Philippines is only $11.12 s$ s. $7 /$. per int: that from other sources is about 31.10 s , The best comes from Bombay, and is worth 5\%, the cmit
(OPEXILAGEN. The capital of Denmark, on the E. onst of the island of Zealand, in the chanme wide laltie called the Souml ; lat. $55^{\circ}$. $11^{\prime} \cdot 1^{\prime \prime}$ $X$, loos $12035^{\prime} \cdot 4 t^{\prime \prime} \mathrm{E}$. Population, aceording to ensis of $1860,155,143$; estimated in 1866 at !6ision It is a well-built, handsome eity. In aing into Copenhagen, the course is between the ione nn the Stubben Bank to the left, and the Theren the Middle-gromads, and those in advanee dhe hree Crowns batteries on the richt, W.S.IV. bempass. From the thiree C'rowns to the roats the course is S.S.W. The water in the channel is tmat to 4 fathoms deep; but it is narrow, and the narigation rather difficult. There is no obl.ation to take a pilot on board; lont if a vesse] rib fout one, she may heave to abreast of the atien, when he will come to her. Vessels not bending to come into harbour brincs inf in the ab, at from $\frac{1}{}$ to $\frac{1}{2}$ mile from shore, in about $\cdot$ t chams, the town bearing S.S.W. In the harar, within the hoom, the water is from 17 to is \#t deep. Vessels in harbour load and muload ingide the quas. The anchorage in the roads son aud safe.
Yoney-Accoments are kept in rixilollars of 6 una, we 96 skillings; the rixdullar being for:ry worth about ts. Id. sterling. But int 1813 mex monetary system was adopten, accoriling died th: new or Rigstank dollar is worth 3fd, being half the value of the old sueceie hir, and sif of the old eurrent dollar. 'The arg gencally used in commereial transactions hath mones: The par of exchange, estimated the ligsstank itollar, would be 8 dollars 7.6 Why jer pound sterling.
Finghts $\$$ Measures.-The commereial weights Th pouads $=1$ lispound; 20 lispounds $=1$ shipad: $100 \mathrm{lbs}=110 \frac{1}{3} \mathrm{lls}$. avoirdupois $=1: 11 \mathrm{lbs}$. relin lbs, of Amsterilam $=103$ of 11 amburg.
The liguid measures are, 4 mukers $=1$ ahm or : $1 \frac{1}{2}$ ahm = 1 hogshead; 2 hogshearls $=1$ (: $?$ pipes $=1$ quarter. The anker $=10$ (very dy knglish wine gallons. A fiuter ol wine $=$ Wh; and 100 pots $=25 \frac{1}{2}$ wine gallons.
Wery measures are, 4 viertels $=1$ scheffel; 8 xats $=1$ tüade or ton; 12 tons $=1$ last $=174$ ktertet bushels. The last of oil, butter, her-
rings, and other oily substances shoult weird $\geq 21$ lbs, nett.

The neasure of length is the lihineland fion $=$ $12 f$ inches very nearly. 'l'he Danish cll=:2 feet; 100 ells $=$ bixa burgis 1 yards.
The lolhwing comparative table of lonish and English Weights and Mensures is miven in a lipurt of Jan. 25, Ixtis, by Mr. Stracher, otir Chargó d'Antiores at Copenhagen:-

Danish.


A new law has just (1868) passed the Lizsdag enacting that in future the French gramme system of weights shall be used by the Dimish medical taculty and veterinary doctors in preseribing medicines, and likewise by apothecaries in retailing drugs for medical purposes.
Trute of Coperatugen.-This is not very considerable; nor is it rapidly irereasing-a result mainly of the late war, and the consequent diminution of the territory and resonrces of Demmark. But it is to be hoped that the stationary state of her trade may not last long. The improvement of turiculture, ocasioned in part by the tormation ot railways, but far more by the repeal of our corn haws and of the prohibition agranst importing live stom, by insuring to the Danes a comvenient and advantageous market for all sorts of produce, has been and should contime to be nearly as advantageons to them as to ouselves. Timber, pitcla, and tar are chictly imported from sweden and Norway: dax, hemp, masts, sail-choth, and cordage from Rassia; shazar chiedy from the West Indies and South Ameriea; eothe and tobaeco from Anerica; wines and brandy trom lizane ; coal, iron and machinery, cotton-twist, tea, hardware and earthonware, are the principal articles of direct importation from bughand. Of coal, we sent to Demmark (principally to Copenhagen), in
 Owing to the coromons polier of the banish Government, which has attempted. at a freat public lass, to raise ami bolster up manatactures, the direct improrts of woullens and cottons are incon-iderable. These artieles are not, however, prohibitad. Down to lsil they wore almitted on eomdition of their being stamped and put nje to anction by the custom-honse, which. after retaining :30 per rent. of the grosis promace oft the sale, paid owt the smphas to the importer. In the above year, the dinty, in imitation of the Cierman phan, was ordered to be assessen, partly aceordine to the description of the goonds and partly aceording to their weight; so that the existing dity varies on cotion roods, from 36 . 1ss, to $2 \cdot 2 /$. 10 s. per 100 lbs Danish (equal to 110 lls . Eaglish) on finer woollens, from 3/. Liss, to 5l. Its. sd
 II. Bht, though adrantageous in some respects this ehauge was mischievous in others; for whide it tacilitated the collection of the duties, and reduced those on the tiner deseriptions, it adeled materially to those on the coarser ant most essential fabries. IIenee we med not be surprised that there is an extensive illicit importation of these articles by the Elbe and IIolstein frontier. The exports con-

EE
sist prineipally of the produce of the soil. as corn,
rape-seed, butter and cheese, beef and prork, lorses rape-seed, butter and cheese, beef and pork, horses
and cattle, wool, hides andskins, bones, com-bramly de. At an average of the 3 years ending with 1 sefi- 7 the ammal exports of corn (exclasive or meal and flour) from Denmark were - what 110,517 bartels ( $\frac{1}{10}$ of which are equal to 1 imp . (Ir.) ; rese, 110,517 barrels: barley, $1,398,564$ do.; and onis, biso, 169 do. In 1866 we imported from Denmark $\mathbf{5 0 6}, 0: 3 ;$ ewts. Wheat, 37,192 do. wheat thour, 1, 146,376 do, barley, 390,888 do. oats, and $35, \mathrm{~b} 78$ do. peas and beans. [Cons laws.]
Customs Tirtif:-In 1838 new valuations were fixed, as well as more moderate and more miform
ates of entry: In 18.1. 18.77, 185, and 1853, the Tirilf of $18: 38$ was revised, and in 186:3 a her Customs Law jassed, which, completed by tle enactments of $18 \mathrm{ti} \cdot \mathrm{i}$ and 186.5 , is the existing legislation. The 'Taritt' is still complicated, but all export and transit dhes have ceased, and ment of the rates of entry are moderate. Siuce $1 \times 13$ with lower dinties the Customs revenue hat iucreased 170 per cent. Another stop, in alvance has been male by the admission of fureign ship to the consting trade of Iceland \&e

In the oflicial year i86it- 7 the import dutins in Denmark amonnted to $5,446,000$ rix dollars, of which Copenhagen contributed 3,531,000.

## Arcount of the Qumities umd Computed J"alurs of the Principal Articles imported into the Linited

 Kïggdom from Jenmark in the 5 Vears 1802-6.

Acronnt of the Qumtitics and Dealared J'aluess of the Principal Articles of the Produee and Mane facture of the linited Kingrlom cerported to Demmark in the 3 Years 186.1-6.


1466 was $2901,842$.
Commercial Marine. - The Danish merchant with $8,8.12$ tons, and 4,233 horse-power, of th marine, in 1867, consisted of 3,736 shijs, of a above, $9 x 8$ vessels of $49,6 \cdot 40$ tons, ineludigh ha burden of 172,462 tons, of which 82 were steamers, the stenm tleet, belonged to Copenhagea

Whiment of the of Copenhayen

## vilug ships <br> vanters

The above firure: thaners that only rurnes.
the number of Br r lat the port of Cope *ssaips, of a totalt fimat Britain liad th wigh trade at this The Danish Parlia ast laws which cam ini, One relates $t$ ad the qualitications wil ander Danish tole which they ma infurign ports. The wisurement of tomna duir Merchant Slip fimity to the method anexjucht elase to th of pitt charges \& 8 . at the same weight an regiget ton, i. e. 100 Ihanila cubic feet $=1$ the siti available for detemind on exactly t adyedin the measure It is dow (1868) pro Bitisit ressels from $\mathbf{r}$ pats in such wise that atis of registry (meas sme salility as similar dus will be paid in Dan tunage denoted therei de. Ctowe's Reports for Purt Charges.-'The eh port are as tollows : -48 per commercial last ( $\bar{y}, 2$ discharged. In no case mure than the actinal $r$ ship ; and allowance is risons for ship's use, an 40 skilling fory de.
40 skillings for harbou
mal las of goods dischary
harbour for export, bu hartour for exjorr, bu 16 shillings per comme ier dues, on ships whic
Pilutage is charged
himay as follows, be fairway as follows,
Iraugh:

Hieh inchudes all charge Lights \&c.-For a long new lights, marks, and anish cosst and waters Banks, Rew Report for Banks, Banking. -The
ark, Cstablished in

Shatment of the Shipping that cleared in and out of Copenhagen in the afficial Year 1860-7.


The alove figures do not include the numerous sampers that only call for coaling or other
Whases. kathe port of Copenhagen dhrin! that year was * Ships, of a total tomarge of 181,570 tons: thas Firat Britain had the most important share of the inimon trade at this port.
The Danish Parliment has passed two importast haws which came into operation in October wi. One relates to the registration of ressels, althe qualifications which will enable them to ail unler Danish colours, and the conditions mole which they may maintain their mationality iffergh ports. The second, relating to the admasarement of tonnage, is in effect the adoption di wif Herchant Slipjping Act, and so gives mifunity to the method of ship measurements, and osiefunt ease to the reckoning and payment d fot charges dc. Thus, the tomage is taken anterame weight and capacity as the English midet ton, i. e. 100 English cubic feet $=91 \cdot 09$ Diaidh culic feet $=1$ register ton; the parts of the lip available for mercantile purposes being detuminel on exactly the same principle as thase alped in the measurement of British shijps.
It is now (1868) proposed at once to exempt Britid ressels from re-measurement in Danish prts in suel wise that in future British certifiates of registry (measure bills) will have the same validity as similar Danish decoments; and dus will be paid in Danish ports aceording to the tennage denoted therein. (Mr. Vice.Consul A. de C'. ''rowe's Reports for 1866 and 1867.)
Port Clarges.-'l'he charges on shipping at this port are as bllows:-48 skillings (about is. $1 \frac{1}{2} d$.) per commercial last ( $5,200 \mathrm{lbs}$.) of goods actually discharged. In no case can dues be leviel on mure than the actual registered tonnage of the ship; and allowance is made for coals and prorivens for ship's use, and deductions for enginenom, machinery \&c.
to skillings for harbour clucs on cach commercial last of goods discharged.
8 skillings per commercial last on grods houled in harbur for export, but double that sum when he ship lies in the roads.
16 shillings per commercial last for hulwark or ier dues, on ships which dily put in for coal-
Pilatage is charged from th. inner roals to be fairmay as follows, accordi to the shup's fraught :-


Phich includes all charges for landing pilot dec. Lights \&c.-For a long and most valuable list new lights, marks, and hooys plaeed on the anish coust and waters in 1867, see Mr. Vieemisul Crowe's Report for that year.
Bunks, Banking.-The Natioual Bank of Denask, established in 1818, has its head oftice in

Copenhagen, with brauches at Odensec and Flensburg. It issues notes of 100 ), 50,20 , ant 5 rixdollars, payable in specic on demand, and transacts all sorts of houking lusiness. In 1856 n private joint-stoek bink was established, with a capital of $2,000,000$ rix tollars. It is to the credit of the Danish merchants that they passed through the rrises of 1857 and 1866 with comparatively few titilures of any importance.

Colonial Trade.--In the West Indies, the Danes possess still (Augnst l868) the ishands of St. Croix, St. Thomas, anil st. John, which, though small, are fertile and well cultirated. But a treaty for selling these islands to the United States of America has been conchded, and only now (see Tians, July 03, 1868) waits for catitication at the next n.eeting of C'ongress.
St. Ihomas has been selected as a mail packet station for the West Intia mails. It owes this distinction to its port, which is one of the best in the region, being landlocked, easy of cirress and ingress, and at once central to the West Indies and near Europe. In the year 1*6i6, 62s British vessels visited. St. Thomas, the tonnage being 100,9.30. Besjides these, shijs of war and mail packets, the latter to the amount of 25,000 tons ammally, visit this harbour. It has one drawback, that it is not very healthy.
The port charges at St. 'Ihomas are as follows: Vessels in ballist 4 dols. 8 cents per 100 tons register. Those bringing and taking cargo pay 52 dols. 12 cents per 100 tons register. Those bringing only coals for the steam packet companics or merchants account, nul leaving in ballast, pay 32 dols. 6.1 eents per 100 tons register. Vessels with entire cargoes of conls for the Roval Mail Steam lacket Company are ly Royal frant and charterparty free of port charges. No charges are levied on vessels arriving in distress. There is a fixed tee on all vessels in ballast or loaded, called the 'fort pass,' of 80 cents for schomers, 1 dol. 28 cents for brigs; 2 duls. 56 cents for bargues or ships. The import duties are It per cent. on the invoice value of importation, coals being admitted duty free.

Lighters withont men are from 3 to 5 dols., Iabour 1 dol. 25 cents per diem; water for shipping 1 to 2 cents per 9 gallons from water boats, free alongside of ressel. Stome ballast, 75 cents to 1 dol. per ton of 2,210 lbs . British weight, free alongrside of vessel. Pilotage not compulsory, but vessels sigmalling for a pilot pay by lraught of water, 10 dols. for 16 feet. In 1866 the cargroes from Great Britnin to St. Thomas were worth $2,70 \ddot{7}, 40.1$ llols. hesides conls to the value of $2 \cdot 2.1,985$ dols., equal to ( 600,0001 . 'lhe consumption ol' coal is very comvilerable, having amounted in the year $1806{ }^{\prime}$ to $90,2,5$ twas, $A$ thating dock is in process of construction, and will be capable of taking up vessels of 3,000 tons burden. (Mr. Consul James's Report, 18tiz.)

Since $18: 33$, when the restrictions on the colonial trade were abolished, St. C'roix has sometimes sent considerable equantities of sugar to the L'nited Sitates; but latterly these have decreased, and the prodnce is now mostly brought to Demmark. The entire imports of sugar, the foreign as well as colonial, into Copenhagen amounted in 1866 to $32,313,400 \mathrm{lbs}-$-about 90 per cent. of the whole lhanish imports. The imports of coffee into Copeahagen are considerable: in 1866 the 9 anounted to $13,250,100 \mathrm{lbs}$. About three-fiourths of the trade with the West Indies is engrossed by Copenhagen, and the rest by lilensburg. The settlements of Jranquebar and Serampore in the East Indies were sold, in 1845, to the East India Company.

The trale to India and China, formerly a monopoly in the liands of a joint-stock company, was opened to the public in 1810. Several vessels have sinee been titted out for the trade; but it is doubttul, from the want of produce suitable for the Eastorn markets, whether it can ever attain to any considerable importance.

Credit.-Goods inported into Copenhagen are commonly sohl on erelit; 3 months is the term generally allowed on most sorts of goods, and in a few instances if momths. The discomit for ready money is 4 per cent. lankruptey is of rare ocenrrence.

Commissiom on purehases is fenerally 2 per cent., and on silles 3 per cent., including l jer cent. del credere.
Insurance.-Marine assurance is cffectel, on jiheral terms, by a company established in 17.16 . A goodmany risks nre, however, insured nt Imsterdam and Ilaunburg.
Careening, Ship's Stores \& co-Copenhagen has good building-vards, and is in nll respeets an chigible place for the repair of small ships, and for supplying provisions.

Rrpairs.-The wat of a dry dock suitable for repairing vessels of large tomnge has been much felt in Copenlugen, for hitherto this class ot vessels hats been formed to go over to Sweden or elsewhere to have their repairs effected, with loss to the port and great inconvenience to shipowners. It has now, however, been decided to give up the ohl Government look at Christianshaven; and it is proposel to spend $2(8,000$ rix-dolars to turn it into a suitable slip for commereial vesisels.
General Remarks.-As already stated, the 1)anish Gowrmment , certed itself for a lengthened period to bolster up a manafacturing interest by laving oppressive dities on most species of manutactured articles. Even under the most liwourable circumstances, such conduct, though it may benetit a few individuals, is sure to be productive of ereat national loss. But in the ease of Demmark, the cireumstanees were siell as to render the restrictive system lueuliarly injurions. All, or nearly all, the branches of inthistry carried on in the kintrdom were sulpect to the government of guilds or corporations; mo person could engare in imy line of lusiness motil he was authorised by its peenliar guikl; and as the sanction of this boity was rarely obtamed withont a considerable sacritice, the real etfect of the system was to fetter competition and improvement, and to perpetuate monopoly and rontitue. biven the Damish writers acknowledge that such was the intluence of the late regulitions. 'Nos ousriers, sity they, 'somt ehers, travaillent lentement, et sonvent mall et salus gont; leur édumation est neirlierce. On ne les torme point it peaser, et laplrenti suit machimakement ee gu'il voit faire an mantre.' (Chttem, Tablean des Etats lomois, tome ii. p. 260.) Within the last few years this system has been quite changed. ludustry has be emancipated from many tronblesome regulations. mot moderate duties have been substituted fo: prohibitions. Still, however favourably situnten in other respects, it would be idle to expect that a country without waterfalls, and without coal, should be able to manufacture cottons, woollens de at so chenp a rate as they may be importel from others enjoying greater natural facilities for their production. The staple business it bemmark, her agricultural and raral economy, has been most materially improved of late years; and, as ahready seen, her exports of raw prohuce are now of great value and importance. (We are indebted tor much of the valuable information in this article to the Report for 1sts of

Mr. Strachey, our Chargé d'atfaires, and those of Mr. Vice-Consul Crowe for 1867 and 1868.)

COPPER (Ger. kupfer; Duteh, koper; Dim, kobber; Swed. kopper; Fir. cuivre; Ital. rame: Span. colre; Port. cobre; lass, mjed, krasnui nijed; Pol, miedz; Iat. cuprum; Aril), nehass; Sias. tanra). A well-known metal, so ealled from its having been first diseovered, or at least wronght to any extent, in the islmad of Cypres. It is of it fine real colour, mul has a great ileal of brillianc: Its taste is styptic and nauscous; and the hamiv, when rubbed for some time on it, acquire a pecnliar and disagrecable odour. It is harder than silver; its specific gravity varies accorling to itstate, being, when quite pure, near 9000 t., Its, malleability is great; it may be hammered ont into leaves so thin as to be blown about by the slightest breeze. Its dactility is also considerable. Its temneity is so great, that a copper wire $0.0-\mathrm{x}, \mathrm{b}$ an inch in diameter is capable of supporting $302 \cdots$ llos avoirdupois without breaking. Its liability to oxithation from exposure to air or damp is ifs greatest defect. The rust with which it is then covered is known by the name of verligris, and is one of the most active poisons. (Thomson's Chemistry.)
If we except grold and silver, copper seems to have been more early known than ane other metal. In the first ages of the world, before the method of working iron was discovered. copper was the principal ingredient in all domestic utensils, and instruments of war. Fven now it is applied to so many purposes as to rank next, in print of utility, to iron.

Alloys of Copper are numerous mal of grot value. Those of tin are of most importance, Tim added to copper makes it more fusible, les tiable to rust, or to be corroled by the air, and other common substances harder, denser, and mate sonorous. In these respects the alloy has a real advantage over ummixed copper: but this is in many cases more than connterbalanced by the great brittleness which even a moderate portion ot tin imparts; and which is a singular circumstance, considering that both metals atre separatel! very malleable.
Copper alloyed with from 1 to $\overline{\text { a per cent. of tin }}$ is rendered harder than hefore; its colour is rellow, with a cast of red, and its fracture gramiar: it has considerable malleability. This appeas: have been the usual composition of many of the ancient edped tools and weapons. Lefore the method of working iron was brought to perfection. The $x$ adxos of the tirreks, and perhaps the as of the Jomans, was nothing else. Fen their copt: eoms contain a mixture of tin. The ancients bat not, in fact, possess (as has been often contemet any peculiar process for hardening eopper, exep by adding to it a small quantity of tin. Inalley iif which the tin is from 0.1 to $\frac{1}{18}$ of the whole hart, brittle, but still a little matheable, diee grained, and yellowish white. When the tim as much as $\frac{f}{0}$ of the mass, it is entirely bittle: and continues so in every hizher proportion. Th yellowness of the alloy is not mitirely lost till th tin mmomes to $0 \cdot 3$ of the whole.

Copluer (or sometimes copper with a little zinc alloyed with as murli tin as will make fromathe $0 \cdot 1$ to $\frac{f}{}$ of the whole, torms an alloy, which principally employed for bells, brass camom, bona statues, and various other purposes. Ilene it called brouse or bell metal; and is excellent titted for the uses to which it is applied, bri hardness, density, sonorousness, and fusibilit Fior camon, a lower proportion of tin is commed used. Aceording to Dr. Watson, the metal ed phosed at W'oolwich consists of 100 patsof eng
and from 8 to little malleabil it would be w alloy being mi cive a londer ro alloy for bell m. in: some artis antianony, ands which adid to th Bhll, Meral;
When, in an metal amounts to a bemutifal comp sted, and suseep well adapted for purpunes, and is limidea the above a little arseaic, zin on alloy simitar to of mirrors, is of $G r$ 15 Mius: who say mits were reckonel erpper mixed (stan lib. xxxiii. s. 9.)
Fur the allors
 (Themistry; Rees's mical Lissays, vol. iv Britsh Copper Tr dis, for mines, in de, but particularly long befure, the Cor wroupht with much s Listo lizi they prot
toms a-vear of pore co tonsa-rear of pare co fom litio to $17 \pi 5$ th 0, , tons: and in 1866 amo

Thents, cales, and stabs How, thes shests, maih, hars, $r$
hisad or yellow metil lifher or werts. metill

Duriag 1865 the market rose from 8 bil., tember, to 1167., per ton lo leat it fell from 10 dapary 1, to 80\%. on Aus in 1 lef were, to British 4,739 toas, Efypt 2,276 laty 2, tel tons, Hanse In consequence of the thins detainel, Englimul,
neerr, dependent aeedr, dependent on fore at ha sumplies of this treinsly to 1 ant, one he wow she of other: the raver increased don we war for the shath mpace, the expurts co the inpurts to diminis. detes of the comench Wht to balance the incre; typhea.
twrion Copper.-Counic tivia lis.sin, tapan, what fe. Near Fibhin turlia, in sweden, is
nd from 8 to 12 of tin; hence it retains some little malleability, and, therefore, is tougher than it would be with a larger portion of tin. This allor being more sonorous than iron, lirass gins ave a londer report than irm guls. A common dhoy for bell metal is 80 parts of copper and 20 of in: sume artists add to these ingredients zinc, ant sumen, and silver, in small proportions; all of which adid to the sonoronsness of the compound. [Bell, Metal; Bhonze.]
When, in an alloy of copper anm tin, the latter metal amonnts to about $\}$ of the mass, the result is a bemtiful compound, very hari, of the colour of atel, ind susceptible of a very tine polish. It is well adapted for the setleetion of light for optieal mirmses, and is therefore called speenhum metal. bioilea the above ingredients, it usually contains a litte arsenic, zinc, or silver. The application of an alloy similar to the above, to the construction of mirrors, is of great antiquity, beiner mentioned In Pinl: who gays that formerly the best mirfors were reckoned dose of Brumdusium, of tin mad ons wef mixed (stano et are mistis). (llist. Nut. Lib, sxxiii, s. 9.)
Fit the allors of copper with zinc, see the antides Brass, I'inchbeck. See also 'Thomson's Chemistry; lees's Cyclopadia; Dr. Watson's Chemicel Essays, vol. iv.; dec.
British Copper Trade.-Great Britain has varime erper mines, in Cornwall, Devonshire, Wales den but particularly in the first. Though known lous before, the Cornish copper mines were not wrough with much spirit till hast century. From jate 1iaj they produced at an average about 700 tons arear of pure copper. During the ten years from litio to 1775 they produced at an averare 2, ing tus, lu 1798 the produce exceeded 5,000 tuss; and in 1866 amounted to $6,551 \frac{1}{2}$ tons, worth

600,700. In 176 fix the fimons mines in the Porys momntains, near Amlweh, in Anglesea, were discovered. The Hyplies of ore furnished by them were for a loug time abundant beyond all precetent; but for many years past the prohnetiveness of the mines hats been dectining, and they are now almost exhumsted. In 1866 the mines of Anglesen, and other parts of Wales, did not furnish 6í0 tons of copper. 'Those of Devonshire vielded 2, $2 \cdot / 8$ tons; the quantity produced in the ot her parts of lingland leing quite incomsiderable. The Irish mines produced in 1 siti above 1,335 tons. Those of Scotland never were productive, and have been almost entirely abmudoned. Owing to the want of conl in Comwall, the ores are not smelted on the spot, lyit: are all sent to Swansea; it being fonme cheaper to carry the ores to the coal than the contrary.
We subjoin an aceount, compiled by Mr: Robert 1lunt of the Mining Hecord Othiee, on which every dependence may be blaced, of the quantities and values of the copper wre and copper produced in the United Kingrlom in $186 \mathrm{t}_{\mathrm{t}}$ : -


Production of Copperfor 5 Iecrs cnding 1866.

| Year | No. of Mines | Ore | Coppler | Value of Ore | Value of Copper |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 228 | ${ }_{\substack{\text { tons } \\ 24,171}}$ | tons | 1,2! ${ }^{\boldsymbol{E}}$ |  |
| $1 \times 6.3$ | 242 | 210,917 | 11,46 | $1,1 \times 1,51$ | 1,1010 , (1) |
| Istil | 201 | 214,6804 | 13,302 | 1,15,4,4 | 1,2,50, 698 |
| 1865 | 20.3 | 195,298 | 11, 8 , 8 | 924,478 |  |
| 1466 | 173 | 1510.375 | 11,125 | 7-39,118 | 1,01!116ix |

Acrount of the Quantitics and I'alues of the elitferent Descriptions of' Copper caported from the United Kingdom during cuch of the 3 I'ears ending with Isti6.


During 1865 the price of copper in the London market rose from 861 ., at which it stood in Sertember, to 1161. , per ton, the value in November. In $18 i_{6}$ it fell from 1061.. at which it stoud on Janary 1, to 801 . on August 1. ' I'he chief exports in 1866 were, to lBritish ludia 9.319 tons, France 4,79 tons, legypt 2,276 tons, llolland $2,0.17$ tons, laty 2, des tons, Ilamse Towns 1,158 tons.
lie consequence of the larger supplies of copper thes shtained, lingland, instemd of being, as tiorLeds, demendent on foreigners for the ereater part de lea suppities of this valuable metal. Iweame, perinsty to 17a3, ome of the primeipal markets th the suphly of others ; and notwithstandins the eashe increased semand for copper dhring the war fire the sheathing of shipes and other punaere, the exprosts continued to incrase and the improts to climinish: the greater prubluefirenes of the Comish mines has sufline ed not fall to balance the inereased demant, but also to make ap for the falling off in the supplics from Hylesta,
fircign Capmer-Copper ores are abmudant in Shelen, limsia, dapan, Australia, Chili, Cuba, Whia do. Near Pahtun, in the province of Wiarlia, in siwedens is the celebrated eopper wise of the same name, suphosed to have been
wrought nearly 1,000 years. For a lomin time it was extremely productive, vichling, twwards the beginnine of the seveutecntil century, an ammal protuce of about $8,000,000 \mathrm{lbs}$ of pure metal; but thas since greatly derlined: and it is anost probable that at no distant period it will he wholly abantoned. (Thomson's Tratels in Sueden, p. 221 .) There are copper mines in other parts of sweden; but the entire export of copper from that comntry did not in 1 stiti cxced 2,100 toms, of a quatity inferior to that of England. The moduce of the copper mines of linssia hats been estimated at e90,000 poots, or d, t661 tons (ling.) a-year. (Tumberski, Fores Produrtiors de la Russio, i. 300.) The couper mines of Japan are suid to be amoner the richest in the worll. The Vuteh and Chinese export eonsiderable quantities of their pronluce, which i:s spreal all wer the East, and is rugnlarly quoted in the price enrrents of Canton, Cillentai, and singrpore. It is mifumbly met with in the shape of bars or ingots; and when the copper of Sonth America is worth in the ('ianton market from 15 to 16 dollars per pienl, that of Japan is worth from ts to $\mathbf{x} 0$ per ditto. C'upper the produce of the lersiam mines is imported into Liombay and ('illeuttat tron Bushive amd bussurah.
But, in a commercial proint of view, the copper

## COPYRIGIIT

mines of Chili，Cuba，Spain，and Australia are， after those of linghand，by far the most important． ＇The working of the mines of Cubn，which hal been ahandoned for a lengthened period，has been re－ sumed successfully．Large gunatities both of Chi－ lian and Cuban ire are brought to Swansez to be meltel．
The imports of eopler ore and regulus，in 1866， were principally derived as follows，viz．：－

| Countries |  |  | Wra | Ilisulus |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 4116. | tons |
| Sweden | － | － | $\because 615$ | － |
| Vornay | － | ＊ | Ifild | － |
| Frate | － | $:$ | 1，¢，${ }^{\text {a }}$ | － |
| Spala． | ： | ： | 1，6i5； | 二 |
| Ituty－ | － | － | 1，19 |  |
| Culia | － | － | 11，2\％ | 63） |
| United Stater | － | － | 8，di； |  |
| l＇eru | － | － | E，914 | 1，119 |
| Diotavia－ | － | － |  | 10\％4 |
| Chili | － | － | 21.907 | 50,54 |
| South Africa | － | － | 1，134 | － |
| Tustralia | － | － | 1，nit | －060 |
| Other prirts | － | － | 1，4 ${ }^{\text {4 }}$ | $96 \%$ |
| Total | － | － | 91.6 ¢ini | 31.458 |

The price of ore rose from ${ }^{6}$ ，per（t）
＇Ihere was a very extraordinary inerease in the supplies of eopper from Austratia during the for 5 years preceding the discovery of the gold ticlds． The prolluee of the Burria liurra mine，for example， which in 1 Nif was $6,3.59$ ？tons ore，had swelled in 18,30 to 18,692 tons，But since then some of the mines have heen abandoned，and the progress of the others checked，so that，as seen alove，the arain increasing imports from Anstralia amounted in 1866 tornly 17,311 tons．Foreign copper imported into this country，and the copper obtained from the smelting of fureign ore，ware，previonsly to 18．12，wholly，or almost wholly，reexported；the duty on the expmer ore when it was taken or smelted fir home use theing so very heary as to make it be altogether exported in an mowronght state．But in 181 ？the duty on copper ores and unwronght copper was very materially reduced；and it was whilly repented in 1853．Lience the great increase in the imports of ore for smelting．and the applica－ tion of the ropper thence derived indifferently to home use or exportation．

Copper is in extensive demand all over India， being largely used in the dockyards，in the mann－ fincture of cooking utensils，in alloving spelter and tin de．The fumeral of every llindoo brines an accession to the demanal，according to his station； the relatives of the deceased giving a brass cup to every brabmin present at the ecremony：so that $5,10,50,100,1,000$ ，and sometimes more than 10 times this last number，are dispensed upon such occasions．（Bell＇s Commerce of Benyat．）

COPFIERAlls．The kerncis ot the cocon not． ［Cocos Nurs．］

COPPERAS．A term emploved by the older chemises，and popularly as symonymons with vitrioh． There are three sorts of copperas：the green，or subplate of iron；the blue，or smphate of＂יmper and the whitc，or sulphate of zinc．Of these，the tirst is the most important．

Sulphate of iron is distinguixhed in common by a varicty of names，as Martial vitriol，English vitriol d．c．When pure，it possesses considerable tramsparency，and ha a tine bright，though not very deep，grass－grecol eolour，mind a nauseous astringent taste accompanied with a kind of swectness．Its ＂pecilic qravity is 1.834 ．It uniformly reddens the vegetable bluca．This salt was well known to the ancients；and is mentioned by Pliny（Hist， Nat．lib．xxxiv．see，12）under the names of misy， sory，and calchuntum．It is not mate in the clirect way，becanse it can be obtained at less charge from the decomposition of perites on a large scale
in the neighbourhool of collieries．It exists in two states ；one eontaining oxide of iron，with $0 \cdot 2$ of oxygen，whieh is of n pale green，mot altwred b． mallic acid，and giving a white precipitate with prussiate of potass．The other，in which the iron is eombined with 0.30 of oxygen，is red，not erys－ tallisable，and gives a black precipitate with gillic neid，and a bhe with prussiate of potass．In the enmmon sulphate，these two are often mixel in varions proportions．
Sulphate of iron is of great importance in the arts，It is a principal ingredient in dyeing：in the 1：1anufacture of ink，and of prossian blue ：it is alson used in tanning，painting，medicine \＆c．Sulphu－ ric acid，or cil of vitriol，was always manufactured from subphate of iron．Now only one kind is produced in this way，viz，the fuming acil，or acid of＇Nurlhansen．
Sulphate of copper，or bhe vitriol，comm：only called Loman or Cyprian vitriol，is a erystalline saits of an clecrant sapphire blue colour，hard，compact， and semitramsparent；when perfectly crystallised， of it thattish，rhomboidal，decahedral tigure；its taste is extrenely nanseons，styptic，and acrid：its specitie gravity is $2 \cdot 1913$ ．It is used for various lurposes in the arts，and also in medicine．

Sulphate of zinc or white vitriol is found native in the mines of Goslar and other places．Nometimes it is met with in tramsparent pieces，but more conmonly in white etllorescences．These are diso solved in water，and crystallised into lare irre－ rular masses，somewhat resembling tine sugar， having a swectish，nanscous，styptic taste，Jts siceitic gravity，when erystallised，is $1 \cdot 912$ ；when in the state in which it commonly occurs in com－ merce，it is $1 \cdot 3275$ ．Sulphate of zine is preparel in the largo way from some varictics of the native sulphuret．The ore is roasted，wetted with water，and exposed to the air．The sulphur attracts oxygen，and is converted into sulphuric acid；and the inetal，being at the same time oxidised，com－ bines with the acid．Alter some time the sulphate is extracted by solution in water：mul the soln－ tion beiner evaporated to dryuess，the mass is rua into mondes．Thans，the white vitriol of the shop frucrally contains a small portion ot iron，ard often of copper and lead．（British Phurwacopecin， 18tia；Lewis＇s Muterin Medica；Lre＇s Dietionary； liess＇s Cyfoperflat＇Thomson＇s Chemistry；de．）
COPROLITES．Organic remains discoverd in the upper green sand．They were tirst com－ mented on by l＇rofessor Henslow and lr．Buch－ land．＇They are of great value as manures，ia con－ sequence of the phosphates which they contain， The deposit is so considerable in some parts of Cambridgeshire，that a sum equal in value to the fee simple of the land has been paid for the privi－ loge of digging them，the person renting the right stipulating to restore the surface．

Quentities ant Irulurs of Coprolites raised in the Jiars 1860， 1861.

COPYLililit＇．Copyriyht in Bowks，［Bnoss．］ Copyriylet in Dramas and Musital Compasitions －＇This lorm of copyright rests on $3 \& 4 \mathrm{Wm} .15$. c． 15 ，and $5 \& 6$ Yiet．e． 45 ．＇L＇he right may be assigned，but must be in writing．The asignt ment need not be attested，thourgh formerly，it seems，two witnesses were necessary to the insith ment．
Copyright in Euyravings．－The carliest Aet in lavour of these works of art was that of 8 Gea Il． c．13．The Act is called Hogarth＇s Act，for this artist obtnined it for his own protection．The
［ritection of the $A$ Itren complaining m which he had It has also been ri justice Keating tha det was not to aravers，hut to vest The det 8 （ico． c． 38 ；by 17 （ico． 1 c．12．In assignee piacr：Photograpl drates，and indeed woeses for multi laveser，of pminti maphy had no copy （ilyright in semp） ix beo．III．c．71，m the hitist Act being； till though these ！ there are no decisions Copyriyht in Desiyn omament is maintaine ；Vict c． 6 里； 13 \＆ 14 C．$)^{2}: 1+25$ Vict． are potected by 6 d 7 c．仙：and 21 \＆ 2.2 The law detines the the miterial is metal，$t$ thals to three reatrs，w
case of which it lasts cuse of which it lasts munh
The toigus must ber signel by a particular remedic：fur piracy by to 湖，neoverable by cetlings，provided that t） out exceel 100\％，：an act and an injunction in con There is a regist rar of tions for registration ha Band of Trate，who ma Weflore larliament，mak rules and reculations wit） regitration and the parti persons atfecting regristra 1：10t，designs may be fira sery tritliug fer，wh avear from its regist， copyright in Trade－1Ma to dente the workman faturers is very ancient lereulaneum have sury practice in bakers＇and irijisations similar marks exianstance in textile faby inrant are those of pape inrention of paper from isions servinere introduce ny from whids to doubt， fin from which the paper
time the process his becur ame the process has becom f trade，by which a recogn purdaser，and a legitimat the manafucturer．Nor is Neafise to the individual Misumer，but it affects conatry；fur it has been rerionslytions of goods in （nowsy injured the ho many occasions destro fraumeree altorgether．I be liestern Stingment of reve found to be tates of Am such im to be worthless such importations，and em a loeal manufacture．
protection of the Aet was ruled not to extend to a fron complaining of piracy of a drawing or deth which he had merely procured to be made. It has also been ruled by Chict Justice Erle and fintice Keating that the olyect of this and similar lets was not to protect the reputation of ellgraces, lut to vest a commereial property in them. The let 8 Geo. II, was extended by 7 (ico. 111 . c. $3 x$; by 17 Geu. III. e. 57 ; and 15 \& 16 Viet. c.12. An assignce may maintain an action for firacs. Photographic copies of an ongraving are praces, and judeed all mechanical and seicutitic greeses for multiplying engravings. Anthors, banter, of paintings, drawings, and photo-
 inntight in senfpture has its licioming in \% iev. 111. c. 71, amended by 51 Gea. Ill. c. 56 ; the fatest Act heing; that of is \& 14 Vict. c. 101. still though these provisions have been made, tere are no decisions ou the subjeet.
Chyright in Designs.-The right in desigus for onament is maintained by 5 \& 6 Viet. e. 106 ; of Thit. e. bis: 13 \& 14 Vict. c. $101 ; 21$ of 22 Viet. s. in: 2l \& 25 Viet. c. 73 . Those for utility are protected by 6 \& 7 Vict, e. 65 ; 13 \& $1+1$ Vict. cht and 21 \& $2:$ Viet. c. 70
The hav detines the chration of the right, when the material is metal, to tive years, in other mat think to three rears, with some exceptions, in the rase ff which it lasts from two years to nine namh
The digns must be registered, and may le assignel ty a particular form. The Aet jrovides temetie for piracy by penalties varying from 30. to ath teoverable by netion or summary proecetions, provided that the agregate penalty does mut exceel 1001. : an action for damages also lies, and as injunction in enouity.
There is a registrar of useful designs, and directions for registration have been issued by the Barl of Trale, who may, after laying the same lefiore Parliament, make, alter, or revoke the nules and regulations with respeet to the mode of tegistration and the particulars to be firnished by persons effecting registration. By $13 \& 14$ Vict. C. 14t, desims may be provisionally registeretl, fira very triting fee, which secures the coplyright for a year from its registry:
Copyright in Trade-Marhs.-The use of marks to dente the workmanship of certain mamufactures is very molent, for the discoveries at Herenlaneum have supplied examples of the practiee in bakers' and other shops. In modern crilisation similar marks have been adopted. as of instance in textile fabries- though the carliest exant are those of paper. Very soon after the insention of paper from the pulp of linen rags, watemarks were introduced into the fulbrie, such designs serviug, no doubt, to denote the manufactery from which the paper was issued. Since this time the process hats become general, and the trademark has become a recognised part of the system of trale, by which a guarantee is given to the purdaser, and a legitimate protection afforded to the manafurer. Nor is the trade-mark system reatire to the indivilual only, be he produed or Masumer, but it affects the commeree of the Matry; fur it has been often foumd that frauluhant imitations of goods in demand have not only Frionsly injured the honest dealer, but have an many occasions destroyed some branches of vanmeree altogether. Thus, for example, a radulent consignment of axes from Shellich to
be Westem States of Ameriea, when the articles
fire found to be worthless, completely put a stop such importations, and developed in place of Lem a local manufacture.

The mischieyous effects of permitting an unchecked imitation of trade-marks were often comsmented in by chambers of commere in mannfacturing towns. At last the attention of the legislature was effectaally called to the practice, and during the session of 1861 two bills were introdued into the llumse of Commons-the Merelamise Marks Bill, by Mr. Milner tiibson (then I'resident of' the hard of 'lrade), and the 'TradesDarks Dill, hy Dessra. Rombek and Inaltiedn. After these bills had both been referred to a eelect committee, the former, witlo certain moditieations, was neeppted. The Aet contains 36 sections.

1. The detinition and construction of words. The word person to include individuals, companies, and borlies corporate; mark, any name, signature, word, letter, device, emblem, Jigure, sign, enal, stamp, liagram, label, ticket, or other mark of any other deseription; and trade-mark to include amy such symbol lawfully nsed to denote any chattel, or in Scotlamed any article of trale, manufacture, or merchandise; and the word misdemeanor to include crime and ollence in Scotlaml.
The trade-mark must be lawfully used. It has loen held that the use of the worl 'batent' when the article is not patented takes the article out of the protection of the court.
2. Forging a trade-mark is a misdemeanor.
3. Applying a forged or contuterfeit trade-mark a misdemeanor, or a genuine mark $\mathfrak{d c}$. to a counterieited anticle.
4. I'enalties after December 31, 1863, to be equal in value to the article sohl, with a further lime of not more than 5 , or less than L0s.
5. Alterations and additions to trale-marks with intent to defraud treated as forging and comnterfeiting.
f. I'ersons selling articles having false trademarks are bomed to wive infomation as to the place at which they were proeured. l'enalty on refinsal 5 .
6. False indication of quantity with intent to defrom. Smme penalties as in Siec. f. This section does not prevent a person being indicted also, if he has committed an offence pumishable by law as it at present stands.
7. Same penalties on sellers of false quantities.
8. Irovision that it shall not be construeci as and offence under the Aet if a persm aiplies to any chattel a word generally used to inticate such chattel or article to he of some particular class or deseription of mamafacture only (as for instance IBrussels carpet, Mechlin lace N..), where the goods have a mane which, though not strictly accurate, is one of reputation.
9. The trade-mark and forged mark to be deseribed in the indietment.
10. Conviction not to affect any right or civil remedy.
11. Attempt to defraud any particular person need not lie alleged or proved in the indietnient.
12. I'ersons aiding or abetting to be guilty.

1-1. I'mishment of misilemennors under the Act may he imprisomment with or withont hard labour for not more than two years, or tine, or both, or imprisonment till the tine, if any, be paid or satistied.
15. I'rocess for recovering nenalties.
16. Summary proceedings before justices under 11 d 12 Vict. e. 13.
17. In aetions, penalties to be accomited for as other moneys payable to the Crown, and plaintiffs to recover fuil costs of suit.
18. Limitation of actions.
19. Atter Dec. 31, 1863, the vender of an article with a trade-mark to be deemed to contract that the mark is genuine.

## CORAL

## COPYRIGHE

0. After same date, the vender of a quantity to b
rue. Curt may destroy the article and award an ujunction.
infor ${ }^{2}$, 22. l'ersons atgrieved barties.
damages against ruilty parties verdict to have full 23 . Defendant
remedy for costs.
1. Phantif security for costs
pelled to givo security the cutlers of IIallanshite. 25. Aet not to affect the coters oreat Britain and 26. Title. The Act appies to Great the Act does Ireland. It is to be observed that tradulent misnot give any remedy ngainst This has heen rerepresentations ns to ¡uality, This has heen merendisc gretted by the judges. (
It will the plain that there is a rand the forgery between the piracy of a copyrighaw recognises the of a trade-mark. The existing hawted whether the distinetion, thongh it may be doubted whe compreadministration of the law is sufficient sufticiently hensive of all oflenees comill, the particular Act severe on all frauds. Still, protected is not so nuder which trade-marks are pronence of the law much to blame as the general lene The lerislation, in dealing with adahera in the right direction however, of 1862 is a step done service to comand has, we believe, already un the uniform good mercial morality. It is conmodities that any quality of manumeto for its continuance, and the foreign trade depentare to secure the purobligation of the Lerrand, whether the purchaser chasing public from frand, whamer, is more and be a home or toreign eonstmers or baduess of more stringent when readily detected by ocular the object cannot be readily detected that the use inspection, lite is most natural.
of trade-marks is most naturd.
CORAL (fier. korallen; Duteh, koraal ; lues corait: Ital. corale; Span. and Port coral; Puss.
 merjan; Ilind. moonga). which there are sereral but it was reserved for the known to the ameients, but it wase. It is, in fact, moderns to discover its real nature. An of vermes, the nidus or nest of a cotion to coral that a smai which has the same relation to conal back eoral is has to its shell. As int ormand and the pink are much estermed; but the coral is found in very also very highly pized. Coral is fond the Persian great abundance in the Red Sea, cost of Suciulf, in the Mediterrancan, on and on any solid matra de. It grows on rockessary to its prosubmarine lonly; and it cose tixed to its place. duction that it should remain medjortant brameh

Coral, Italian.-Coral is an Italy. Genot, Lerrof industry and comave been from old times the horn. and Noutrepots to which the raw material three great ented, and where skilfal artifieers have has been earricd, whes in order to work at its established thenselses is obtained in large quatintramsformation. Cornamean, and at considerable tities in the Mednerran 600 fert. Four varieties depths, of from 200 to 600 which is subdivided are distinguished: 1st, red, which is subdivided into deep crimson red, black; Bri, elear white; which is rery rate; zit, is the most common. 4 th, veiled white, whel is the from one year to The produce of the ins the richest spots the tishery another, and even in on at tixed intervals. The should only be carted ons zoophyte is found in the coasts, where this precore those of Corsica, Surdinia, rreatest ubumlance are those of Trapani, and the Provence, Africa, 1

## Straits of Messima.

fifal hotions and beads. n- ly manufietured into visies from 20 dols. 1 moling to puality. The fine
 call eoral anso whtatins a The tase of fatso coral 1 anderable: they are man mised with red colourin
 Whar eatty. (Dr. Wi (the ell.)
The manner of tishing er nurr where. That whi partied in the Menliterr: for $x$ ment go in a boa poprictur ; the atiter ther, call the machine which ht valifrom the bottom of roft the boat, and locep to by mowed ol' two beams ith leals tixed to them trans is fastemed at yua hoely round, and intermi neturis. In this conditi donimoshe sea; and wl mady cutwined in the dow it up with a ropec, " ondin: to the tlepth, and quins half a dozan hoats hapen to break, the fisher bing hot. Before the i amen the price of the of the inker is diviled, at into 13 rats ; of which th atare ? and the other lith lixumgs to the com hat like de. (Ainslie's Cydinedia: limy ychoquedia Comarece of Benyal; 1'rı 7ly yrie.)
CotiblGE (Ger. tamw Fr. mancurres, cordage ; wath condaje). A termin (itond of ropes, how mue triniza, tute especially th fripis. The terme cord cistmanh corchage of sima truntierwee ; rope, Whist of all, or the corlay (thils.
Corlace may be mate of
Derink-of every thing,
arilde, and molerntely
Wen of samd sidk; leathern Wil, and silk; leathern,
furpe it has been mostly.
far and lax, particulart me purts of the Bast, co
sh of the cuton nut, is e tanatieture of the larger Cors de. 1
The lest eordage is tha
whe of the best material a
anare. It must heither fhe twisted. hopes eon anis aceordius to their thi ationes of hemp used in? of their length by twist
Whes the loss is.s crater. Whe the loss is greater.
Ruphes are sometimes ma Rupes are sometimes ma
penproply nimutiteture absure mueh better $t$ tifiputed. Chains are stituted for varions Perery body knows thi

## CORD.IGE

CORK
427
nial buttons and buals. The inferior kind is onds mamatactured into car and tinger rings. Its phe varies from en dohs. to 100 dols. per piend, acanding topuality. The fiver sorts rance from 1,500
 bun cural atso obtains a from matret in Chime The ue of false moral lemols in China is very survilerable; they are made trom resinous maters nivel with red eolouring dres surroumtiner a mind of tin foil and sum. The price is about 10 W, mentty. (Dr. Williams's Chinese Giuide, (ta cul)
The maner of fishing eoral is nearly the same (wify where. That which is most "ommomly patived in the Meditrranam is as follows:iof ${ }^{\text {s men }}$ fo in a hoat, commanded ly the apriefur; the atster throws his bet, if we maty so adthe machine which he uses to tear up the wral from the bottom of the sen; aull the rest whe the Loat, and help to traw in the net. This bsomped ol two beams of wool tied erosswise, rith hals lixed to them to sink them: to these lame is fastened a quantity of hemp, twisted bavely rund, and intermingled with some lowse pation In this condition the machine is let dandintw the seat and when the coral is preter made entwined in the hemp and mets, they dratif up with a roper, which they mwind acordin: th the depth, and which it sometimes reginh hath a duzen lroats to draw. If this rope buyentolneak, the tishermen run the hazard of king hat. lhefore the fishers go to seat, the $\bar{y}$ ame fothe price of the coral; and the produce of the filury is divided, at the end of the seasom, intatisputs; of which the proprietor lans $I$, the aser '. and the other ti men 1 each; the bablungs to the company for payment of heothire de. (Ainslie's Muteria Intirit ; liees's
 Cosmerce vf Benyel; I'runaudaie, Commerce de lily rie.)
(OHDDCE (Ger. tauwerk; Dutch, touwwerk; fr. mancurres, corlage; ltal. caolame; Spin. faria, vardije). A term used to denote all mamer (ford ir ropes, how much soever they may differinsize, but especially those used in the risuing afshing The term cord is usually employed to Gisumaish evalage of small size, that is, of small kitanferener ; rom, $t$ o distinguish the larger leaptims ol'endage; and cable, to dist inguish the
hnest of all, or the cordage nsed in the anchuring tiship.
Corthe may be male of an intinite variely of aterials-of crery thing, in fiet, which is slender, faible, and moderately tenacious, such as the bine of various deseriptions of vegetables; hair, (ont, and silk; leathern thomss, wire dee. In Garpe it has been mostly formed of the cibres of Fan and thas, partientirly the fomer. But in me parts of the liast, eoir, or the tibres of the What the coma mut, is extensively asea in the panameture of the harger deseriptions of cordage. [onl: de.]
The ber eordare is that, of course, which is ate of the best material and in the most ipproved anner. It must neitler be two moch nor too the twisted. liopes ronsint of more or fewer moncording to their thickness. It an average etibre of hemp, used in makiner mpes lowe abont Wi their length by twistink; but in the case of Whes the loss is greater.
Rupes are sometimes made of iron wire; and *anperyly manketured they have been found ariswer math better than inight have been tippoted. Chans are now also fiequently atituted fir varions descrijtions of ropes: Cerey body knows that lompen cables have
been all but wholly superseded by iron chains. [Cinlen.]

The use of foreign cortage in Eaglish ships was formerly prohibited exeppt unilor peculiar circumstances, but this prohibition has latterly been repealed; and our ship-owners and ship-buihlers may mow ase cither mative or forcign cordare. whinhever they prefor. In 1866, 119,ie22 ewt. of
 the United Kingolom, chictly to Australia and British Nurth Amerien.
Aceorting to l'rolessor holinson, if you square the circmmerence of a rope in inches, $\frac{1}{6}$ the product will be the mmber of tons weight which it will bear. Viry littlo dependence can, however, be plated on a rule of this sort; for the streugth of a mope will depend as math on the material of which it is mate, and on its make, as on its circumberence. (Rees's Cyclopadia; Peuny Cycho perdirt ; de.)
 Ital, coriantro; Span. cilantro). The fruit of the Coritulrum saticum, Nat. Oriler Apiacer. It is an :unual plant, a native of Italy; but is cultivated in Ifitain and many other countries. The seed when dried is nearly as large as white pepper, is yellowish-brown, and has an agreeable aromatic onlour and flavour. Corimder seeds are used in medicine and confectionary. (Britesh Pharmaсориіи, 1кві..)
CORK (Cer, kork; Dutch, kork, kurk, vothout ; Fr. licige; Ital. sughero, suvero; Span. corcho; l'ort. cortica (de Suvreiro); liuss. korkowoe derewo; Lat, suber). The thick aul spongy bark of a species of oak ( (uureus suber, limn), abundant in dry monutainous alistricts in the south of France, and in Spain, Portugal, Italy, and Barbary. The tree grows to the height of 30 feet or more, has a strikinit resemblince to the Quercus lles, or evergreen oak, and attains to a great age. Alter arriving at a certain state of maturity, it peristieally slacls its bark; but this valmalle product is found to le of a much better quality when it is artiticially removed from the tree, which may be ellected without any injury to the latter. Alter a tree has attained to the age of from 20 to 30 vears, it may be barked: and the operation may be subsequently repeated mee every or 10 years, the quality of the cork improvinis with the increasiug age of the tree. The bark is taken off in July and Angust; and trees that are ravolarly stripped are salid to live for lio years or more. beckmam (vol, ii. p, lli, lins, eel.) says that - when the tree is 15 years old it may be barked, and this can be done suecessively fior 8 years.' 'This erroneous statement having been copied into the article 'Cork' in Reces's Cyothpadu, has thenee been tramplated to a multitale of other works. (loiret, Mist. I'hilosophique tes l'hutes, tom. vii. 419.)

Cork is lipht, purous, readily eompressible, and wonderfully elastic. It may be cut inter any sort ol tigure, and, notwithstanding its porosity; is nearly impersous to any common liquor. These fualities make it superior to allother substances for stoplers for bottles, in the manuficture of which it is principally mate ase of. It is alsomploved an boys to float nets, in the constration of lifeboats, the making of water-prool shoes, and in various other wiys. It was inported into Eugland in order to be used as hoats to mets, as farly as the legiming of the foureenth centary. Belore heing manufictured into stoppers, the cork is charred on each side: this makes it contract, lessens its prosity, und consequently tits it the better for cattins oll all commmaication between the external air and the liguid

CORN LAWS AND CORN TRADF.

## CORK

In the bottle. Spanish hack is made of ealened
cork. The (ireeks and Komans were both well acquninted with cork. They scem anso torsels. (Caoceasionally used it as stompers llist. Nut, xvi. N); dorum obturamentis, lime Somphoyed for this but it was nut exrententh century, when hinas purpose till the ermention is misle before thi bottles, si' which 10 m whe ernerally introdued.
 Eneck, cil.)

Cork trees abound in sarious parts of A preria, Cticularly in the proviare of Comstantine and in Karteylin. In the latur the baris is nsed Algiers covering for honses. The Government of Nowage has mude special eoncessuons
the cultivation of cork trees.
The manufacture of bottle in the province of siderable soure of weald in ally about 125,000 Gironde, which prodnces andy the demand of the quintals of cork. 'l'o supply the wames 105,000 manufacture, which ammatly rourh cork are imquintals, 30,000 quintais of Andalasia, Extramaported, principally from Arenss de Mar in the lura, und the district of The nammal protuction frovince of tharcelona. The anmat eme valaed amomes to $1,283,000,000$ bottle the val of the at about $15,500,000$ francs. at about
raw materin may be estimated at sam Felice
franes. Corks are made cliefly in sal francs



CORN (Ger. corn, getreide; Dutch, graanen, . ada, grains; 1al. binde, grani span, grames kess, chlijeb; Pol. zboze). The grain or seed (1) knss. ehjeb, sed from the spica or ear, nnd ased for mats meping bread \&e. Such are- \& \& Mamin: OATS: Peas; RyE; Wh]

CORNLLIAN. [CAMNELAN TBADE. From
COLS LAWS AND furminer, in this med the circumstance of com furming, in part. of the most other countries, the prineiph and the laws food of the people, the trade in are justly looked by which the tralle is remportance. But this is ujon as of the highest importat renders it necesnot the only circumstance that the diseussion of sary to enter at some length into least equal to its this subject. Its dithenity mado nt different interest. The enactments corn trade, and the periods with respect to the policy, have been so opinions advanced as to their por, that it is indisvery various and contradion pensable to submit them to some exames which and, if possible, to nseertain the pommercial ourfit to per legislation.
 1 .
1i. Bumpil Cota: Thant.
1V. Fomban Com 'leabe:

For a long time the regulations with repeet yor trade were priacisally intendel th the corn tordance and low prices. But thent the purpose was laudable, the means adoped cecomplishing it had, for the most part, a diret pposite eflect. When a country expurts conn seems, at first sight, as if nothing conid in. muel to increase her supplies as the present muehration; and even in countries that do exporta it, , rohibition seems to be a pruba export, is prombedated to prevent the smp neasure, and calcuited, upen any cmetrio from being diminish, These are the 0 nedin below its natural leved, ost themselves und that immediately surges a pretty extensive subject; and it requires a facts, and a ham. perience, an attention topics, to perceive reasoning upon such topere altorether wap fallacy. These, however, were altogether
what the regulations affecting the corn trade/since held to be an offence at common law; and,
 atherematries. They were fitand in aecordance whith what were supposed to tre the dictates of common sellse; and their oljget beheg to proenre as lathe a cufply ot the prime necessary of lite as perible, its exportation was rither totally forbiden, or forbiden when the home price was nhere vertain limits.
The prinelphe of absolnte prohithition seems to have heen steadily urted upom, as tior as the turbulenes of the jeriou would admit, from the C'mquest to the yer 1430, in the reign of Ilemry Vi.: but at the last-mentioned prediod an det wha pased, authorising the expertation of whent
 (eptual in amount of pure silver to 12 s. 10 and. prent money) per quater, and barley whol the home prive did not exeed :3x. d/. In llitis an miditional benefit was intended to be conferred on arneulure by prohihitimer impurtation mutil the bume price exceeded that at which expurtation cearn, but the lluctuating policy of the timus. pented these repulations tron being calried intofll cllet, and, indeed, rentered them in a grat masure inoperative.
In addition to the restraints laid on exportatim it has been common in most comitries to ntempt to inerease the sumply of corn, not only hamiting its unrestramed importation from ailmal, but by holifing out extriorelinary enconratement to the importers, This pulicy has not, huweser, been much fillowed in Emghamh. During the 500 years immediately prosterior to the tonplact importation was substantially free ; but it was sthom or never promoted by artilicial madus, and during the last contury and a hate it has, for the most part, beets subjeched to severs restrictionts.
Wevidenttempting to lower pricers by prohibiting expurtation, our ancestors attempted to lower then by proseribing the trade carried on by corn dealers. This most useful class of persons were boken upon with suspicion by every one. The asticulturists concluded that they would be able to sell their produce at higher prices to the consumers, were the corn denlers ont of the way: while the consumers concluded that the protits of the deakers were mate at their expense; amd averined the dearths that were then very prevalent entirely to the practices of the dealers, or to their buying up corn and withholding it from market. These nutions, which have still a considerable learee of intluence, led to varions enactments, jatheularly in the reign of Dolward Vi., by whind the freedom of the internal eorn trade was entirdy suppresset. The cmorossin! of corn, or the huiving of it in one market with intent to soll it asain in another, was mule an oflone punishalle lemprisomment and the pillory ; and no we was allowed to cary corn from one part to another without a license, the privilege of gramting which wase contided by a statute of Elizabeeth to the quarter sessions, ltut as the principles of -ameree came to be better understood, the imWiey of thre restraints gralually grew moreand more ebviuns. They were considerably moditied on 163 : and in 1663 the engrossing of com was lectared to be legral solong as the price did not xeed 18 s. per puarter ( 15 Cli. II. c. 7 ) ; an ect which, as Adam Smith has justly observed, has ith all its imperfections done more to promote lenty than any other law in the statute book,
n 1 Ii3 the last remmant of the legislative ennctents restraining the freedom of the intermal th dealers was entirely repealed. But the grossing of corn has, notwithstanding, been
si) late as 180), a corn dealer waty convicieal ot this imaginary erime. 110 way not, however, brought up for judgenemt; and it is not very likely that my similar ease will ever ngain oechy the attention of the courts.
The Acts if 1436 and Ileas, regulating the prices when exportation was allowed and when momoration was to cease, continued, nominally at least, in firee till $\mathrm{t} 5 \mathrm{j}=$, when the prices at whielo expertation might take place were extended to 10s. for wheat and tis. Sal. for harley. Hut a new prituciple-that of imposing daties on exportation -was soon alter introducel: and in lifit it was enacted that wheat might he exported, payime a thaty of $2 s_{0}$ per guarter, and barley and uther frain a dily of 1 s . th., whenever the lume price of Wheat illd not exeed 3 ons. per quatier, and barley ame malt less. At the festoration the limit at which exportation might take place was very much extenterl; but as the duty on expertation wha, at the stume time, so very high as to be almost prohibitory, the extension was of litthe or no service to the arrienturists. This view of the matter seems to have been spedily taken by the Legislature; for in thib3 the high duties on exportntion were inken off, and an nel valorem duty imposed in their steal, at the same time that the limit of exportation was extembed. in 16iz0 a still more decided step was taken in favour of agriculture; an Are being then passed which extended the exportation price to 53s. dd. per fuarter for wheat, aud other grain in propurtion, imposing at the same time prohibitury daties on the improtation of wheat till the price rose to a3s. Wh., and a duty of 8 s. betwem that price and 80 s . That the real efliets of this Aet were not no great as might have becon antioiphtel. The extension of the limit of expurtation was rendered comparatively mugatory m consequence of the eombintance of the duties on exportation cansed by the necessities of the C'rown; while the want of any proper methen for the determination of prices went far to mullify the prolibition of importation.
At the accession of William III. a new system wiss adopted. The interests of agriculture were then louked upon as of paramount importance; and to promote them, not only were the duties on exportationtotally aholished, bat it was encouragerl by the grant of a boun'y of fis. on every quarter of wheat exported, while the price continued at or below ths.; of tes. fid, on every quarter of barley or malt, while their respective prices dill not
 when its price did not exced 3is. ( 1 Wm . d Dary e. 12.) $A$ bomity of ess. Gd. per quarter was subsegnently and oatmeal, when the price of the former did not exced $15 s$ per fuarter. Importation contimed to be regulated by the Aet of 1070

Mueh diversity of opinion has been entertained with respect to the policy of the bounty. That it was intendel to raise the price of corn is elear. from the worls of the statute, whieh states 'that the exportation of corn and grain into foreign parts, when the price thereof is at a low rate in this hinguom, hath been a great adrantage not only to the owners of himi, but to the trade of the kinglom in gencral; therofore, de. But admitting this to have heen its object it has been contendel that the low prices which prevailed daring the firsu half of last century show that its real ellect was precisely the reverse; and that, by extending tillage, it contributed to reduce prices. It will be afterwards shown that this could not really be the case; and the fall of prices may be sulficiently
neromented for low the improved state of nuriealture, the sradial comsolidation of firms, the diminuthon of slewp lusbuntry Ke., combined with the slow inermse of the popmation. In puint of fact, tow, priacs had bugun to give way :39) years before the hanaty was granted; and the fall was equally great in lirame, where, instent of exportatom befiug encouraged by a bohnty, it was almost entirely prohihiterl; abl in most other continental states. (For pronis of what is now stated, see the article 'Corn Laws' in the new (elition of the Eincyr. Brit.)

The 'Tables amexel to this article show that, with some few exceptions, there was, during the tirst 6b years of lant century, $n$ large export of corn fromi bughand. In 1750 the wheat exporte.l amometed to $!17,1100$ quartors; and the total bomties pail durian the 10 years from 12.10 to loin reached the sum of 1,6 his,000). Wht the rapill int crease of population sitbsequently to 1760, and particularly atter the l'eace of I'aris, in 176:3, whern the commere and manufutures of the conntry were extended in an muprecentent dogree, qradaally refuced this exerss of exportation, and oecasionally, indeed, inelined the balance the other way. 'this lel to several suspensions of the rewrictions on importation: and at length, in 1a:it, a new Aet was limmed, by whieh furelgn whent was allowed to be imported on paying a nominal daty of Gif, whenever the home jerice was at or above 18 s. per quarter, and the bounty and exportation were together to cease when the price was at or above $\mathrm{H} / \mathrm{s}$, The thonty amomited to iss, on every puarter of wheat; Eso $6 t$, on every quarter
 on every quarter of oats. This statute also prermitted the importation of corn at any price, iluty free, in order to be again exporterl, provided it were in the mean time lodged under the joint loeks of the king and the importer.

The prices when exportation was to cease by this Aet seem to have been fixel too low ; athl, ins Adam Simith has observed, there nppears a foom aloal of impropriety in prohibiting exportation aitogether the monient it nttained the limit when the bounty given to turce it was withlrawn; yet, with all these deleets, the Aet of 1733 was a material improsement win the tormer system, and ought not to have been altered inless to nive greater treedom to the trate.
The itea that his law mast, when enacted, have been injarions to the agrientturists, semas altogether ilhasory; the permission to import foreign grain, when the lame price rose 10 a moderate height, certainly, prevented their realising exorbitant protits in dear years, at the expense of the other classes ; and prevented an monatural propertion of the capital of the comutry from heing turned towards ardienlture. But as the limit at which importation at a nominal cluty was allowed was tixed a grod deal ahove the averare price of the reign of (ienge II., it camot be mantained that it had any temeney to roduce previons priees, which is the only thing that could bave discournged igriculture: and, in fiact, no such reduction took place.

It is indeed true that but for his Act we should not have imported so much foreign grain in the interval between 1733 and 1791. This importation, however, was mot a consequance of the deeline of agriculture ; for it is admitted that every branch of rural economy was more improved in that periond than in the whole of the preceding century; but arose entirely from a still more rapid increase of the manutacturiog fopulation, and hence of the dfective demand for corn.
by referring to the 'rubles amexed to this
article, it will be reen that in $1750^{2}$ the balapen on the side of wheat imgrorted anounted to $1 x_{0} \cdot \boldsymbol{H}$ cuarters; nud in 1774, 1771, and 1775, all years of great promberits, the balance whe very imms increased. Hut the lome of a preat part of ont colonlal possessions, the starnation of eommerm
 by the American war, iliminislied the consumption; and this, combined with matially prades. tive harvesta, remdered the halame high on the nille of exportation in $173 \times$, 1754, and $17 \times 1$. In 17x:I and 178 t the crops were numatly deforme, null considerable importations thok phare; lut in $17 \times 5$, $17 \times 1$, and $17 \times 7$ the exports again experdme the imports; and lt was not till lixa, when lho eomatry had fulty recoveral frum the eflicets of the Imbricall war, mad when mannfaeturing Emprase mentw were carried on with extrampdinary parit. that the imports promanemtly overbalated the exports.
The growing wealth and commereial prongerity of the conntry hal thas, by fincreasing the' [winlation and enabling indivilunls to commane adtio tional guantities of foral, cansed the home suppre of eorm to liall somewhat short of the demamil int it must not therefore be concladed that argienter. had not at the same time bern very greatly moljorated. "The average manal profinee of what.' says Mr. Comber, at the hegiminge of the remp
 of' which ahout 300,0000 hat berin semt ont of the kiugrom, leaving thant : $1,500,0100$ for lame ennsumption. In 17ais the probluce of whe wo
 guarters, of which the whole, and abowe lwow imported, were consumed in the kinsinn. in 17:56 the consmmition was statel hy bed

 I80, 1000 were inported; showing ath increwel produce in about $20 y$ years of $1,8,20,0001$ gartion It is evident, therefore, not only that no dedadetion of produce had taken phace in comserfume of the cessation of expertation, as has lietn tom lightly assumed from the occasional nemonity ${ }^{2}$ buphrition, but that it hal inereased with to amgentation of our commere and manmineturs: (Comber On Nitional Sulsivesmer. 11. 180.)
Thene estimates are, un doubt, very lowse and unsatishatory: but the lact of a great incratenf produce having taken place is mapuetimuble la a report by a committee of the llonte of Como mons on the state of the waste lemds. drama mis 159, the mamber of lets passel for andosing and the nomber of aeres enclosed, in the fillomis reigus, are thas stated:-

In the reign of gacen dinne
Cientre
ficorce



It deserves particular notice, that frua haid to 1791, botti inclusive, the prion duting whide the greater mumber of these improvements wite etfected, them was no rise of pries

The limdlodders, however, could not lat oissiler the liberty of importation primted fig the Aet of 1573 as injurions to their interests ins. mach as it provented prices thom rising with the increased demand. A clamonr, therfore, nas rnised against that haw; and in addition to bis interested tecling, a dread of becoming hathinaly dependent on foreign supplies operited on mans. and problaced a pretty general aceraiescence in th Iet of 1791. Jy this Set the price when inpot tation comld take place from abroad at the lint duty of tiol. Was raised to jts.; under jhs, and above 50 s . a midalle duty ol " zs . bd.; and nadet

50x, a prol The brunt
without bo without bol stured inde storen innde
free of dinty free of dinty
hecame liab wldition to ime of sale, In 1097 is - mation fron 'guent facility a coamand o hanced, gave a theacy of whi the searcity a Inasmueh, hov mit allow the hal bean broke timed, a new ec farmers, and pa. mhibitory dut wheat imported bulow 63s. ; bet ut' $2 s_{s}$ bid. was pn if 6 d. The pric "n exportathon $n$ ation without bo the maritime eo into 12 districts being regulated b lint by the Aet lindlanil, by the " Clistricts, and in areage of the 4 m was dinited. The var, so that the pe the luss than 3 me timing prices was, wing session; it 1 tim, both in Engl roulated by the av distriets of Eingland In lso the crop w per quarter above prid per quarter above $t l$
was allowed by was allowed by the. tin of paper compar time only fiour per vear must have been har preventing been lume price was high, preations, and to th the war threw in Was nearly 3 ner ecut was nearly 3 per eent
thoce years being ges importations were br restraints had beent the iree importation efween Great Isritain Tholly abolisherl in ear ( 16 Gico. III. e. : in com between the $t$ i pive was not ouly a w ceil, but has powerfull Eneftal the vantage. $\mathbf{k}$ tuall. the depreciation veing likewise deficient of both causes, rose time no vosel ti rense, and port for Eingla times as hire fright niction of high nas dt the autunapoleon'

BNa, a prohiblting duty of 2.1s. 3 f . was exigible. The bounty continued as before, and exportation without bounty was allowed to 46 s . It was also enacted that forelgn wheat might be imported, tored under the king's lock, and again exported frec of luty ; but If Bold for lome consumption, it hecame liable to a warehonso duty of $2 x, 6 \mathrm{fl}$, in muldition to the ordinary duties payable at the inic of sale.
In 1797 the Bank of England obtained nomexmption from paying in specio; and the conseguent facility of obtaining discounts and getting foonmand of capital, which this measure occhdioncl, gave n fresh stimulns to agriculture, the tieacy of which was most powerfinly asslsted by the searcity and high prices of 1800 and 1801 . trasmuch, however, as the prices of 1804 wonla not allow the cultivatlon of the poor soils, which had been broken up in the dear years, to be coninued, a new corn law was loudly called for by the firmers, and passed in 180t. This law Imposed a powhilitory duty of 248 . 3 ll . jer quarter on all whent imported when the home price was at or lielow 63s. ; betweed 63s, and Gibs, a middle daty ios. Gud was pald, and alove 66s. a nominal duty uf 6d. The price at which tho bounty was allowed "n exportation was extended to 50 s., anil exportation without bounty to 54 s . Wy the Act of 1791 the maritime counties of Jingland wero divided into $1:$ districts, importation and exportation being remulated by tho particular prices of each; lint by the det of 180) they were regulated, in lindland, by the agyregate areraye of the maritime listricts, and in Scotland by the nggregate areage of the 4 maritime districts into which it was dividel. The averages wero taken 4 times ayrar, so that the ports conld not be open or shat fior less than 3 months. This manner of ascertaining prices was, however, moditiod in the folhwing seswion: it being then tixed that importawin, both in Jingland and scothum, should be panlated hy the average price of the 12 maritime distriets of England.
Ia 1005 the erop was very considerahly deficient, anl the average price of that year was about $22 s$. we quarter above the price at which importation was athwed by the Act of 1801 . As the depreciasinn of paper compared with bullion was at that the only four per cent., the high price of that vear must have been principally owing to the new haw preventing importation from abroad till the bume price was high, and then fettering mercantile (perations, and to the formidable obstaeles which the war threw in the way of importation, In 1F06, 1807, and 180x, the deprecintion of paper was nearly 3 per cent. ; and the price of wheat in those years being generally from 66s. to 7 ons, the improtations were but smill. Severnl impolitic restraints had been for a long time imposed on the free importation and exportation of corn between Great Britain and Ireland, but they were wholly abolished in 1806 ; and the Act of that reat ( 16 (ico. 11I. e. 97 ), establishing a free trade fin com between the two great divisions of the empire was not only a wise and proper measure in pisli, bat las powerfully contributed to promote the fenctal advantage. From autumn 1808, to spring [1 13 , the depreciation of the currency was unwuall great ; and several crops in that interval veing likewise deficient, the price of corn, inftuenced or both causes, rose to a surprising height. At that time no ressel could be laden in any coninental port for England without purchasing a icone, and the freight and insurance were at least retimes as high as during peace. But the detuection of Napolcon's anti-commercial system, a the autumn of 1813, having increased the
facilities of importation, a large quantity of corn was poured lnto tho kingloin; and in 181.1 it a bullion price fell below the price at wheli limpertation was allowed.

Ilefore this fall of paice, a committee of the House of Commons had heen appointed to enquiro into the state of the laws affecting the corn trade, and recommended in their Lispori (dated May 11 , 1813) a very great increase of the priees at which exportation was aldowable, and when impotation free of dity might take place. This rewmmendation was not, however, alopted by the lonse; but the fact of its having been made when the home price was at least 112 s . per gharter displayed a surprising solicitude to exelude forelgners from all competition with the home growers.

The whis to lessen the dependenee of the country on foreign supplies formed the sole ontensible motive by which the committee of 1813 had been netuated in proposing an alteration in the Aet of 180)1. Ihit alter the fall of price in autumn 1813, abd in the early part of 181.4, it becamo obvions, on comparing our provions prices with those of the continent, that without an alteration of the law in questlon this dependence wonld be a good deal increased; that a comsiderable extent of such poor lands as had been brought into cultivation claring the ligh prices would be arnin thrown into pasturage; and that rents wonld be lowered. These consequences alarmed tho landlords and oceupiers; and in the carly part of the session of 1811 a socries of resolutions were voted by the IIouse of Commons, teclaring that it was expedient to repeal the bonnty, to permit the free exportation of corn whatever might be the home price, and to impose a graduated scale of duties on the importation of forrign corn. Thus, loreign wheat imported when the home price was at or under 6ts. was th pay a
 and so on till the home price should reach 86s, when the duty was reduced to 1s., nt which sum it becmme stationary. Corn imported from Canama, or from the other l3itish colonies in North America, was to pay $\frac{1}{g}$ the duties on other corn. As soon as these resolutions had been agreed to, two bills founded on them-one for regulating the importation of foreign corn, and another for the repeal of the bounty, and for permitting unrestricted ex-portation-were introduced. Very little attention was paid to the last of these bills; but the ono imposing fresl tluties on importation encountered a very keen opposition. The manufacturers, and every class not directly supported by agriculture, stigmatised it as an unjustitiablo attempt artificially to keep up the price of food, and to secure excessive rents and largo protits to the landholders and farmers at the expense of the consumers. Mectings were very generally held, and resolutions entered into strongly expressive of this sentiment, and dwelling on the fatal coasequences which, it was athimed, a continuance of the high prices would have on manufactures and commerce. 'i'his determined opposition, conpled with the indecision of ministers, and perhaps, too, with an expectation on the part of some of the landhoders that prices would rise withont any legislative interference, caused the miscarriage of this bill. The other bill, repealing the bounty, and allowing an unlimited fredom ot exportation, was passed into a law.

Committees had been appointed in 1814, by both Houses of Parlinment, to examine evitence and report on the state of the corn trade ; and, in consequence, a number of the most eminent agriculturists were examined. The witnesses were unanimons in this only: that the protecting prices in the Act of 1804 were insufficient to enable the farmers to make good the engagements into which

432 they had subsequently entered, and tately brought the cultivation of the inferior ladsourht that $1: 0$ s. under tillage. Some of them honit at which the hould be tixed as the lowest duty should be alshouktation of wheat free of dity 100 s , from 80 s importations varied from 90 s. to , 'the seneral lowed; others yaried from 70 s . to 80 s . The gewld to 90 s., and a few fromed to be that 80 s . Wem of opinion, however, secmentinued to decline, a set of suttice, fons fouded on this assumption were subresolmtion the llonse of Commons byds Lord Ripon); mit the buard of 'Irade (afterwardsomed on them and having been arred to, a bill founted on thed in and having been ary volent opposition, carried in was, flouses by immense majorities, and hanaly both llouses law ( 5.5 Geo. Il. c. 26 ). Acal, or thour to this Act, all sorts of foreign eorn, free ol duty into might he imported at all times free of order to be any port of the United king was not permitted warehoused; but foregne corn wamption, except to be imported for home ef the several sorts of when the average prices of the viz. wheat, sos. per british corn were as follows, 5iss. ; harley, bear, or quarter ; rye, peas, ath beans, 26 a $:$ and inpurtation of bigg, f11s.; and cats, $208 .:$ am plantations in North corn from any of the hexept when the average America was fore at or under-wheat, 6its. per home prices were and heans, As.; barley, bear, or quarter; re, peas, an, w.
birge, $; 3 s^{2}$; and oats, mes.
The argieulturists contidently expectere and render Act would immediately raiee but, for reasons which them steate at about sore these expectations were will be aftorwards stated, a more ruinous fluctuentirely disappointed; and a more feperiod it was ation of prices took n face daring the period of our rein existence than in any previous pers had snok very cent history. In 18\%1, when prices Commons was low, a committee of the louse of Commons of the tielow, a commed to enquire into the ranses of the their appessal state of agricalture, ammite, alter exampressed sions thereon. 'This committee, ap a report, onservationstion of wituesses, drew up a raluable inthe a number of free from error, is at rathab of which, thugh not free a torcible exposition of document. It contains a of the lav of 1815, of the pernicions influence important motitications. Which it suggeser, were not alopted; and as the low These, howerer, weme distress of the apriar the conprice, and consequent was hronght unker the concontinued, the subject warlat in the following year. rideration of rarnal of diseussion, a new Aet was After a goot (3 Geo. IV. e. 60), which ehace importther prices had risen to the limit of reece whs to ation fixed by the Aet of 1815 , that Aet was to ation and the new statute to come liv the Aet of cease and the statue loweral the prices tixed bive place for 1815, at which importation cond take place for
home consumption, to the following sums, viz. -


But, in order to prevent any violent oscillation of prices from a larice supply of grain being that a duty flirown into the market, it was had on all wheat inof 17 s . per guarter should be laid, on zortet from foreign countries, durng, if the price months after the opening of the porter, and of 12 s . was between 70 s . and 80 s . per quarter, petween 80 s . fterwards; that if the price was between afterwards; the duty should be 10 s for the first 3


CORN LAWS AND CORN TRADE , the duty should be constant
should exceed 8is., the duty shour sorts of grain.
at $1 \mathrm{s}$. ; and proportionally for other at 1s.; and proportionating importation until the This Act, by preventing and then loading the home price rose to qunntities imported heary dutics was centaing limit of 85 s . with heary more fivourable to the views unluckily tor them, than the Aet of 1815 . But, untue except harley, the priees of no species of eom, exe existed, th were sulliciently hifh,
bring it into operation. $h$ was made to a lete In 1825 the erst approach importation of wheat ystem by pernitting the from british North America, wat of a daty of per the price at home, quarter. But this dec year's duration.
and was limited to the drought that prevaited during Owing to the (rong there was cyery prospect the summer of 18.0, thent deticiency in the cropsint that there would he a crear to prevent the disastrous that year; and, in orner have taken place, had imconsequences that might until the seasul was the portation been preventet whindies from the errent taz advanced for brimging supphes pe, his Majets corn murkets in fic nor 500,000 guaters of foreig vas authorised to ad of such duties as the order wheat on payment artion shonld dechare. A council for its impormation the orops of hats, pee when it was ascertamed hat trate, ministers issum \&e. were greatly below an their own responsitilit in order in comich, orthoring the immetiate on September , aumpant of a duty of $2 \mathrm{~s}, 2$ portarim of ous one, peas, and beans on payment per bort; anor corarte. A considerable quas it duty of $3 s$. Gd. per quarted under this order, tity of oats was impor which had modoubselly timely appearanee etlect in mitigating the very considerable etlect in from the deticienc nicious consequences arising fors obtained an that species of grain. Mimsers abequent mete demnity for
of lariament more strikingly evince the Nocy of the Acts of 1815 and $182 \cdot 2$ than prolicy of the Act which the Legislature and necesity, under whelaced, of passing the : ary Acts and issuins the orders relerred to. rary sets and we the agriculturists be more intelderen portive that the corn laws were cally calentated to produce the adwantace really calemated they had anticipathould be given to mpmon creased facherat throughout the conntre. The beavicion made considerableprogres in and of Commons; so much so, that several is who supported the measures adopted in 18:2 expressed themselves satisied that the ciple of exclusion had been carren too ad hat a more liberal system should be antio Dinisters having participated in these cons, Alr. Canning moved a series of res March 1 . fund hation of a new sorn misht always to the effeet that forchen conder to be ware poted, fire of dity, in orde tolaissible fo anu that it should always be atmissibun consumplion upon payment of cerwn Thus, in the ustane price was at or above that, wom the home price be a lixed the of quarter, the duty shond be a the price fo that for every 8 s. should be imposed; T0s, a duty of was at 69s. the duty When the price $2 s$., when at 68s. the dat be 4s., nud so ons. The limit at which be 4s., maty of 1 s . per quarter was to tahe the case of barley was uriginally fived at it was subsequently raised to $40 s_{1,}$ the
freasing by $1 s, 6 \pi l$, for fill below that limit. T constant duty of 1s. per a in the case of oats was o wat it was subsequently lcreasing at the rate of 1 . billiug that the price fell luty on colonial wheat wa for whe the he price when the price was natier mantant at tis. ; the duties whial grain were simil we agreed to by a largo Guded on them was subsed the llonse of Commons. dange of ministers, which sima, several peers, origins what and some, even, who thon, saw reason to betome ent opponents; and a claus Wellimgtom, interdicting amim eorn until the home any been carried in the The bill, justly considerin entirely sulversive of its dnew set of resolutions wi ade were brought forward i iant (afterwards Loril Gl fonded on the same princi al been rejected during t at the duty was not made t Caming's resolutions, w min of price; it beiug 23 s whe was 6 s. the Imperial ras 69\%.. and 1s. only whe 4 Aiter a good cleal of clel ations were carried, and el Timo. 1V. c. 60.
The crops having been de there was a large imp, years, its average price eabout 6iss. per quarter. to 1836 having been more importation almost who of Wheat sunk in 1835 to gless than it had been in 17if. In consequence of harrests and low prices, t Winie to attract any cons pullie attention, and an in munil that the improven Q very rapid, that, despi dion, mul the existence mes would fall to about tl entinent. But the cyele laving terminated in 1837 be succeeling 5 years wer St much so that price perquarter, the importati ring years being also ver in the price of corn, coml dstate of the commerce ans in the peconiary revul and other causes, ngain attention to the corin law: egnitude and injurious ope vercty strongrly animadse ants in the :manufacturin An nssuciation, denomi wn Ingue, originally for at which subsequently ex to most parts of the cot the express purpose of $k$ entation agninst the com Hece of these concorring whed with greater bitte mance of the suljeet at
areasing by 1 s . Grd, for every is. when the price fall below that limit. The limit at which the constant duty of $1 s$. per quarter was to take place in the ease of onts was originally tixed at 28 s . ; lut it was subsequently ruised to 33 s., tho duty mereasing at the rate of $i s$. per quarter for every billing that the price fell below that limit. The int on colonial wheat was fixel at tid. per quarat when the home price was above 65s.; and when the price was under that sum the duty was anat at ios. ; the duties on other deseriptions of wnial grain were similar. These resolutions rete arreed to by a large majority; and a bill maled on them was subsequently carried throurh the llonse of Commons. Owing, however, to the hane of ministers, which took place in the inmime several peers, originally favourable to the aill and some, even, who assisted in its preparthin, saw reason to become anongst its most vioant opponents; and a clanse moved by the Duke Wellington, interdicting all importation of dinn corn until the home price exceeded fi6s., arnus been carried in the Lords, ninisters fave is the bill, justly considering that such a clause wentirely subversive of its prineiple.
A new set of resolutions with respect to the corn rale were brought forward in [ 228 by Mr. Charles Grant (afterwarils Lord (ilenelg). They were fonded on the same principles as those which When rejected thrmis the previms session. fat the duty was mot made to vary equalls, as in 2l: Caming's resolutions, with every equal vaprin of price; it being 23s. 8d, when the home in was 6ls. the Imperial quarter, 1 lis . X d. when mas 69s, and 1s, only when it was at or above After a grool deal of debate, Mr. (irant's reations were carried, and embolied in the Aet (ien. IV. c. 100.
The erols having been defieient in 18?9) and , there was a large importation of corn in e vears, its acrerage price being at the same e dout (fiss. per quarter. liut the crops from It 1836 having been more than usually abura. importation almost wholly ceased, and the xof wheat sunk in 1835 to $\mathbf{3 9 s}$. de. per quarter. hess than it had been in any previnus year 17i6. In consequence of this suecession of barrests and low prices, the corn laws ceased while to attract any considerable portion of pablic attention, and an impression beran to Ruand that the improvement of agriculture overy rapiol, that, despite the inerease of duon, and the existence of the corn laws, nices would fall to about the Jevel of those ot Catinent. lhat the cyele of favourable seahing terminated in 1837, the erops of that the succesling 5 years were consideraibly de: fo much so that prices rose in $18: 39$ to perquarter, the importations in that aus the xing years heing also very large. This inis the price of corn, combined with the delatate of the commerce of the country, ang ta the pecuniary revulsion in the United and other eauses, argain attracted a great aneation to the corm laws; and the oppresanitude and injurious operation of the duterery strongly animadrerted upon at pubings in the :nanufacturing towns and elseAn association, denominated the Antiwr league, originally founded in Laneato which subsequently extended its ramito most parts of the country, was set on the express parpose of keeping up an ingetation arainst the corn laws, which, in Fine of these concurring circumstances, whel with greater bitterncss than ever. thane of the sulyect at length fureed it
on the attention of Government, and in 18.11 ministers, actuated partly by a sense of the minchievons intluence of the sliding scale, and partly also by a wish to strengthen their deelining popularity, brought forwnel a plan for remodelling the corn laws by repealing the sliding seale and imposing in its stead a constant duty of $8 s$. per quarter on wheat, and in proportion on other grain. IBut laving 110 majority in l'arliament, ministers were obinged to resort to a disolution; and their proposal having, notwithstanding its moderation, ex cited the greatest apprehensions among the agriculturists, without being very warmly supported by the other classes, a new l'arliament was returned, which gave a decided majority to the opposition. It was, nevertheless, felt on all hands to te necessary to make some considerable change is the existing law, and in 1812 a measure was introluced in that view by Sir liobert l'eel, which was subsequently passed into a law, 5 Vict. 2nd sess, c. 1-1.

Unfortunately, however, this measure, like that by which it was preceded, was bottomed on tho principle making the eloties vary with the rariations in the price of eorn; and thongh the duties were deededly less oppressive than those imposed by the 9 Gco. [V. c. 60 , still they were in no ordinary degree olyectionable. as well from their too great magnitude as from their alding to the natural insecurity of the corn trade, and mereasing the chances and severity of thactuations. It is not, therefore, to be womlered at that the new measure gase hut litule satiofaction. Instead of being ahated, the agitation and clamour against the corn laws continted progressively to gain strearth; and the emwiction heran at the same time gradually to extend itsel among many of those iy whom these laws had hitherto been supporturn, that farther moditications wond have to be made in them, and that they might be made without intlictugg any very serious injury mon agriculture.
This convietion was erreatly strengthened by the result of the important chanpes mande hy Sit hobert Peel in the tarifl in 18.2, and mose especially by those which hal reference to the importation of live cattle and fresh provisions. These had previously been prohibited; bat the minister broposed that this prohibition should be repealed and that their importation shonld he permitted me: reasonable duties. This proposal, when tirst brought forward, excited the greatest appre hensions among the farmers and graziers, and was collowed ty in immediate fall in the price of cattle llappily, however, the measure was carrich, and it was speedily discovered that there was no such lifference between the prices of cattle of the same puality here and in the aldjeent parts of the conthent as had been supposed; and that the fears entertained by the agriculturists of the appronching ruin of the businesses of breeding and grazing were altogether visionary and untounded. The experience afforded be the reduction and subsequent abolition of the duty on wool was exactly similar. lnstead of heing imjured, the interestsol the Jhitish sheep farmers have been most materially promoted by these measures; the demand for home-grown wool having been rendered comparatively steady, and its price considerably increased by the powerful stimulus which the change in the duty on foreign wool gave to the woollen manufactura.

In the following year, that is, in 1813, a measure was alopted whieh made a wide breach in tho com laws. In 18.12 the Legislature of Canada baseed a law imposing a duty of $3 s$ s. per quarter on all what imported into the provinee, unless from
the United Kinglom, stating in the preambe to this Aet that it was gassed in the expectation and lefief that a corresponding reduction would be made in the duties on wheat and wheat-lour imported into the United Kinglom from Canada, Ame "(mmmably to this anticipation, the Act 6 © 7 Viet. c. 24 , passed in the course of $1 \$ 13$, reduced the duty on wheat imported from Canada to 1 s. per fanter, and profortionally on wheat-tfour. This Aet met with mueh opposition from a part of the arricultural interest in this country, who contended that it would lead to the introduction of mamited supplics of corn from the United States at a duty of only ds. jer quarter, or, allowing for smuggling, at perhaps only $\frac{1}{a}$ that amount. But experience showed that these anticipations were not likely to be realised; for, though the imports from Conada were materially increasel, the obstacles in the way of the importation of corn from the Unitel states into Cunada, and the damrer mud expense of the vosage from Montreal or Qucbec to Eneland. must necessarily have prevented the impertation throunth this channel from ever becoming of much impertance. Still, however, the measure was in so far all abandonment of the com laws; aid if we wore justified in admitting the prokhe of the Enitad states for market in this indirect way, it was mot easy to diseover satisfactury grounds on $w^{1}$ iich to sclude the problued whenther states.

The suceess of the measures adophen in 1812 eneouraged Sir liobert Ped to attempt still more considerable elanges in 1815, when he totally aholished the enstoms duties on of ower than tiv diflerent artiches, some of which were of very considerahle importanere The meatimes then adoped were equivalent, in fact, to the vitual :hambonment of the protective system; and muler sheh circumstances it could not the expected that the corn laws, on which so serious :m inroad had leem ande by the Canada Aet, womld be able to mantan them place on the batut book for any very leng thened periok.
'Jhey might, howner, have ben rombtand for some time longer, lhad mat the matisfactory rom harvest, and the failure of the potato erop of letit, made it neessatry to adont measures for avertimer the anticipated defency in the muplics of foot. liadre the eritical eircumstances in which the gopulation was the beliesed to be placed. the ten:porary sumpension of the com laws could hardy
 (4)atment would have been all lout imposib) and it was betach ly at once proviling tor their repeal to hather an end of the syanm, and of the diamisfaciom and agitation 10 which it had given birth than so chlearunt to continue in in any montitien Shat" such wat the viow of the matter token

 come. in mavine the Act 9 \& 10 Vict e. 22 , for the immoliate nowlitication of the rorn laws, and fir their lotal remal at the ent of 3 years, or on Fhmary 1. lois. (\%epost.)

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1. Iaterned Corn Troude.-lt is neelleses to take up fle reaters time by end avonring to prove by argument the :advatage of allowing the free eonVevmee of corn trom onc 1 ,rovince tomother. Rivery one see that this is indi-pensable, not only to the equal tistribution of the kupllies of food wer the eomatry. hat to enable the mhatitants of thase districts that are bost itted for the ransing and fattening of catthe, shople de to abhiot themselves to these or other necesary oceuphons mot
arectly comected with the production of com. We shall, therefore, confine the few remarhs we have to make on this subjeet to the consiluratime of the influence of the speculations of the corn merchats in buying up corn in auticipation of an advance. Their procectings in this respect, flow of the greatest publie utility, have been the primcipal causes of that odiun to which they have bren long exposed.
Were the harvests always equally produetion. unthing would be gained by storing up anp ilie of corn; and all that would be necessary wouht to distribute the erop equally throughout the country and throughout the year. Jhat such i not the order of nature. The variations in tho aggregate produce of a country in different sea sons, though not perhaps so great as are com monly suppord, are still very considerable; ant experience has shown that two or three umbably luxuriant harvests seldon take place in suca. .jon or that when they do, they are invariably follow by those that are deficient. The specidators i corn anticipate this result. Whenever prices becin to give way in consequence of an musually luxariat harvest, speculation is at work. The mat opulent farmers withhold either tue whole or a part of their produce from market; and the mur apule'it dealers purchase largely of the eorn brought to market and store it up in expectation of a fin to"e adsance. An! thus, without intendint to pronde any unc's interest but their own, spenlator: in com beeny. the bencfactors of the public. They prowe a reserve stock agains those years of scarcity which are sure at no ditant jeriod to recur; while, by withdrawins : and ing of the redundant supply from immednt con. (b)ption, prices are prevented foom falling su Iow as to lee injurious to the firmers, or at iua are maintaned nt a highe level than they woth otherwist lave reached; provident labits art manamed amonsit the people: and that wase and "xtlavagamee are checked which alwars tak blate in plentiful years, but which woud lo arried tor a mudh greater extent if the what Wowluce of an atmontint crop were to be consmed within the season.

It is. huwerer, in searce years that the gloce lations of the corn merchants are primelially advimtageons. biven in the richesi countrics, a yery larse proportion of the individuals cherged in the basiness of agriculture are comparatively and are totally without the means on' withhuld theip produce tiom market in order to speenda. wion any finture advance. In consequence the markets are always most abondantly suphit with protare immediately aher harvest and comberes where the morelants encagen in com trade are not possessed of large capitals. where their proceedings are fettered amil restrith there is then, admest invariably, at heary fall prices. But as the vast majority of the peop huy their food in small ynantitics, or from tay dan as they want it, their consumption is net sarily extended or contractel sectording price at the time. Their riews do mut eatend the future; they have no means of juder whether the erop is or is not deficient. live, as the phrase is, from hand to mouth, a are satistied it, in the mean time, they obt ahundant supplies at a cheap rate. lut it obsions, that were there nothing to control comberact this improwidenes, the consequ would very often he fatal in the extreme. (rop of one harvest must support the popmat till the crop of the other harvent has been gathe in: and if that crop, should be dedicient-it instance, it should only be adequate to affor

## Se mounl rate of

 (" montlis' provi hin. unless the pi tur harvest as to ce, the whole arst treanfinl fam tinnly to the Namine the accon ther arain in Es Hetwoud and Sir bundant proofs of ret stated. In tl awers were fene rithhokling their e the trade of a corn atumst improvidence umption of srain fer yars in which a experienced immedin in whed there was an tuations of price excee cin now form an ide other grain being 4 or Julras in September a ew, to the increase of lif a farmers and deale whe operations ot the mer exposed to si Whener the dealers:, w frirmeans of inform withereal state of the of 'rems tind the harv they ruse the price of $t$ looset and bid arainst which the firmers are ewatyance of this rise ares. lut especially the obsumer; of eorn, find stater ecobomy, and to 40( Wastetul consumptio dins imisediately put upd prawe of the seareity mandelthe vear ; and ras thonerly the case, in bition as in seasons of 1 wisde altogether deticicl foid mithout reoonree bantifece. the specula metrarl tis of olr din mune atamst it.It is Dot ensy to suppose the com merchants shon wepulice It lats been sa they are not disposed to bri Turbased to market until witant price. and that the $]$ stars oftell very much age treal gromed tor any such ris anomut of capital req Which it is quantity of eos with is liable, ruider mo riextas they can real stree thre are intinituly 9. ${ }^{2}$ in it are mbmitely 1 aren to chable iny se There iorned it alanongs vant, aed, it could not themath hore pojortion samatalces, mote forn are drotaces, more particula rate consequetitly soon in as as suon as patices rise कo their hathls. Ocus viats are folmol who Ocent: - aperiod. or thitil at
 30 months' provisions instead of 12 -it is plain hat, unless the price were suraised immediately feter harvest as to enfore economy, and pint, as it were the whole nation on short allowane the yerest dradful tamine would be experienced preripuly to the ensuing harvest. Those who sanine the acconmes of the prices of wheat and ther arain in Enelam, collected by Bishop Fletwiod and Sir I. M. Eden, will meet with athundant proot's of the accuracy of what has now leven atited. In those remote periods when the anmers were penerally without the means of witholding their erops from market, and when be trade of a corn dealer was proseribed, the atmost improvidence was exlibited in the conumption of srain. 'There were then, inuleed, very fer years in which a considerable sarcity was not esperienced immediately before harvest, and many in which there was an absolute famine. The thetuations of price execedel every thing of which we can now firm an idea; the jrice of wheat and ethergrain being 4 or 5 times as high in June and Tilvas in Septenber and Octoher. Thanks, howeve. to the increase of eapital in the hands of the litse farmers and dealers, and to the freedom given to the operations of the corn merchants, we are no bone exposed to such ruinous vieisitudes. Whiseter the dealers, who, in consequence of their Fomitmens of information, are better aequainted mithenal state of the crops than any other class of cet us tind the harvest likely to be detieient, the the the price of the corn they have warehometh and bid against each other for the corn whid the farmers are bringing to market. In omentuce of this rise of priees, all ranks and aders. hut especially the lower, who are the preat conamers of corn, find it indispensable to use gater ecolmon, aud to cheek all improvident an wastenl comsumption, Exory class locing thens imwediately put upon short allownace, the jresure of the scarcity is distributed equally throshout the year ; and instead of indulping, as mas fomerly the case, in the same seate of consuphion as in seasons of plenty, mutil the sump teame altogether deticient, und then boing expand withont re-ource to the attacks of fimme $303 p$ patilence. the specalations of the corn merthant warn us of our danger, and compel us to ituide against it.
lit not ensy to suppose that these proceedings d the con merchants should ever be injurious to the pullie. It has been said that in scaree vears therare not dispoed to bing the corn they have parhasel to market until it has attained an exwhinat price, and that the pressure of the seareity bthas often very much aggravated; but there is zeral eround for any such statement. The immene amout of capital required to store up any ariblcable quantity of com, and the waste to thidh it is liable, reider most holders dispesed to *has aron as they can realise a fair protit. In fate extensive comutry in which the corn trate bite there are intinituly too many persons enard in to to cable any sort of combination or asart to be formed amongst them; and thomern atife fumed, it conld not be matintained for an watat. A laree proporion of the farmers and demall hoders of corn are always in straitened enamanes, mute particularly if a seabee year ds not oecurred so somen as they expeeted; and - ate consequently anxions to relieve themWe as soon as prices rise, of a portion of the
 - Haks are fom who retain their stocks for outa a period, or until a reaction ial.es plate. apices bein to dedine. But instead fojoning
who takes a dispasiomate view of the matter will perecive that, inasmuch as their misealenation must, umber the circumstances smposed, ine axcectingly injurions to themselves. we have the best scearity against its wins rarried to such an extent as to be productive of any material injury or even inconvenienee to the pablic. It shouhl aks he borne in mind that it is rarely, if ever, posible to determine belorehand when a searnity is to abate in cons equence of new supplios beines Inought. to market; and had it enntimed a little lonser, there would have been no miscaleulation on the part of the holders. At all events, it is plain that by declining to bring their eorn to mather, they preserved a revouree on which, in the even? of the harvest being tonger delayed than namat, of of any umbourable contingenery takine place, the publie conld have fallen hack; so that, instemd if deversing abusc. these spectators are most juvtly entitled to every fair encouragement and proter. tion. A country in which there is no considerable stock of grain in the barn-yards of the farmers. in in the warehouses of the merchants, is in the mont perilous situation that ran eatily be imaginat, and may be exposed to the severest privations, or crelt fanine. But $s^{\circ}$ bons as the sagacity, the misfalculation, or the avarice of merchants and dealers retain a stock of grain in the warelowner, this last extremity manot take place. By refusing to sell it till it has reacheal a very high price, they pint an effectual stop to all sorts of waste, and husband for the publie those supplies Which they cond not have so frngally husbanded for themselves.

We haveatready remarked that the last remmant of the shatekles imposed by statute on the treedom of the internal corn dealer was abolishoed in 17a: It is true that engrossing, forestalling, and regrating [Exomossing de.] are still held to be olleuces at common law: but there is very little probability of any one being in future made to allswer for such ideal ollences.
2. Exportatam to Ioreign Countrics-The fallacy of the notion so long entortained, that the prevention of exportation was the surest methon of increasing plenty at lome, is obvions to evory one who has retlected upon such sulyjects. 'The markels of $\mathrm{m}^{\prime}$ country can ever be steadily and plentifully suppled with corn maless ler merchants have power to expert the surplus supplies with which they may be oceasionally furnisherl. When a comery withont the mems of exporting grows nearly her own average supplies of corn, an abundant erop, by causing a sreat overlondine of the market ant at heary fall of price, $i$ as injurions to the farmer as as seareity. It may be thonglat. perhaps, that the greater quantity if probuee in ahmodant matans will compensate for its lower price; but this is not the rase. It is mitormls found that variations in tbe qumtiy of corn exort a much qreater intluence over priees thinn amal variations in the quantity of almost any thins else othered for sale. Being the prineipal necessary of life, when the supply of eorn happens to, he lesis tham ordinary the mise of the people make very great, thourh mavailing, exertions, by dimini-hiing their eonsumption of other and less indispensahle articles, to obtain their acenstomed suphes of this prime necessary: so that its price rises much more than in proportion to the deticiens the the other hand, when the suphly is musially arro, the consumption is not promorimatly extended. In ordinary years the bulk of the jopalation is abont adeguately fed ; and thongh the comsumption of all elasers be somewhat greater in umbsually plentitul years, the extension is eonsi$\mathrm{Fr}^{\mathbf{O}}$
derable only among the lowest classes, and in the $f$ - - ling of horses. Itenee it is that the increased supply at market, in such years, goes principally to cause a glat, and consequently a runous decline of prices. These statements are corroborated by the widest experience. Whenever there is an inability to export, from whatever canse it may arise, an unusually juxuriant crop is uniformily aecompanied ly a very heavy fall of price, and severe agrieultural distress; and when two or three such crops hapyen to follow in succession, tite ruin of a large proportion of the farmers is e: mpleted

If the mischiefs resulting from the want of power to export stopped here, they might, though very Preat, be borne ; but they do not stop here. It is iille to suppose that a system ruinous te the producers ean be otherwise to the eonsumers. A slat of the market, occasioned by luxuriant harvests and the want of power to export, cannot be of long continumec; for, while it continues, it can hardly fail, ly distressing all chasses of farmers and causinir the ruin of many, to give a elaek to every siecies of arpricultural improvement, and to lessen the extent of hat in tilhge. When, therefore, an monforable season recurs, the reaction is, for the most part, appalliug. The suphly, being lessened, not only ly the budness of the season, but also by a diminution of the prantity of land in crop, falls very far below an arerage: and a severe scarcity, if not an absolute fimme, is most commonly exprrienceal. It is therefore clear, that if a country would reuber lierself secure against famine and injurions thetuations of price, she must give cvery pusible facility to expertation in years of umanal jhenty. It she act upona ditherent system-if her policy make exportation in such y cars impracticable or very ditlicult-she will infallibly rever the tamenty of I'rovidence an mjury to her agrieulturists; and two or three abundint harsests in succession will be the furerunners of scarcity and timninc.
3. Bonnty on the Exportetion of Corn.-In Great Britain, as alrealy observed, we have not only been allowed to export for a long series of vars, but from the Revolution down to 181a a bemity vas given on exportation whenever the lume prices were depresed below certain limits. This policy, however, erred as much on the one hamd as a restriction on exportation errs on the wher. It canses, it is true, an extension of the demend for com: but this freater demand is not camed by natural, but by artiticial means; it is but a conserponce of any really incrased demand on the part of the fircigner, but of our furnishing the exporters of corn with a bomas, in order that they may sell it ahroad below its natural price! To suppose that a procecting of this sort can le a public advantare is equivalent to supposiner that a shopkeper may get rien ly selling his gromels below what they cost. [houviti.]
-I. Impurtation from Piorign Countris.--If a suntre ware, like Poland or linsia, miformpen the habit of exporting eam to other commeres, a roubtion on importation wom! the of nomaterial consephence: becanse, though surli restriction dit mot "xist, m furtign com would be imported mbleas ity ports were so sitnated in to serve for an latrepot. A restricion on importation is sensibly folt onl: when it is enforeod in a couniry which, wwine to the greater density of its popalation, the limiter extent of its fertile land, or any other caluse, would either oceasionally or uniormly imprit. It is funiliar to the observation of every whe, that a total failure of the crops is a calamity chat but rarely oceurs in an extensive kingdom;
that the weather which is unfavourable to no description of soil is generally tavourable to some other description; mol that. except in anomannes cases, the total produce is not very dillerent. But what is thas gencrally true of single countrics is always true of the world at large. History furnishes no single instance of a universal scareity; but it is uniformly found that when the crops in a particular comitry are untudally deticient, the are proportionally abundant in some other quarter, It is elear, however, that a prohibition of importation excludes the country which enacts it from profiting by this beneticent arrangement. She is thrown entirely on her own resourees. Under the ciremmstances supposed, she has nothing to trust to for relief but the reserses in her warebouses ma! cland! these be inadequate to meet the exigency of the crisis, there are apparently no means by which she can escape experiencing all the evils of searcity, or, it may be, of liaminc. A country deprived of the power to import is umble to supply the deticiencies of her harvests by the surphe, probluce of other comntries ; so that her imhabitants may starve amidst surrounding pleuty, and suffer the extreme of scarcity when, but for the restrictions on importation, they might enjoy the freatest abumbance. If the prohibition be not alsolute, but conditional-if, instead of absolutely exchuding foreign corn from the home markets, it be merely loaded with a duts, the derre'e in whieh wheh duty will operate to increase the seareity and learth will depend on its margitude. If the duty be constant and moderate, it may not have any very considerable effeet in diseonraging importi. tion ; hut if it be fluctuating and heary, it will, by fillifying the speculations of the merchnots, and making a corresponding addition to the priee of the conn imported, be proportionally injurions. In whatever degree foreign corn nay be ercluded in years of deficient crops, to the same extent must prices be artiticially raised, and the pressure of the scarcity renderal so mued the more ser re.

Such would be the disastrous influence of a restriction on importation in a country which were thete no such obstruction in the way, woulh sometia.... import and sometimes export. Iutits operation would be infinitely more ingurious in a country which, under a free system, would uniformly import a portion of her supplies. The restriction in this case has a twolind operation By preventing importation from abroad, ad fore ing the population to depond for subsistence on corn ribsed at home, it compels recourse to comparatively inferior suils; and thus, by increain? the eost of producins com above its cost in othe comatrics, at Is proportionally to its averate phice The canses of lluctuation are, in this way, incread in a grometriad proportion; for, while the prevention oi importation exposes the pupulation to the pressure of want whenever the harvest happens to be less productive than usual, it is sure, at the same time, by raising average pioces, to hinder (xportation in a year of unusual plesty, untilthe hame prices lill ruinously low. It is onsious, therefore, that a restriction of this sort mot be alternately destructive of the interests of the consumers and prodncers. It injures the fomet by making then pay, at an average, an artificilly increased price " 4 their food, and by expming them to senreit; atal :abome bencer the home crop prese d d'sernt: a it jures the bater
 vears of masert len'r. ani overlading ine market w, th tiot ice "ate, 10 der a fret s. sicm, would b:a, in t 1 i 1 . :wa drantagens sale abroad.

The prineiple Tmpssibility of prices by means the same time $t$ mity trice the tural distress ex peatce. The rea was to keep up quarter ; but to ade not only tha when prices wore markets should , nuluced at home pinciple already lould in ordinar pquatation, it mi yar, he more than when, in such a en the marret, it can werage priees bein ef those of the surt ruipols depression. situation of this co Oring parly to th the dillicurtios in th efectation of the a Waimoliantry clevat sur vich in stimmlus
 pr, Alch. such bein prots had been. anjurithot from nbr crup mut have oece prite the is the cexel of figun corn that ditrose of the itrifeult the exclu-ion that has androvimity, in matr matural level, and $t$ exivitation in firvoural wit sed a fill of prices fificker. It maly be tue num tated, that the : fingland and Willes in 1 and in $18 t \mathrm{~s}$ it hatd litlet piecs would not inden fratet lands brougght prebut high prices, tl quisaine their cultivatio f them had been comp ad bertl generally reda to dervine; but the Le tional restrictions on in on, the "peration of th instanent was unfurtuluan meen 1216 rose to 78 s. por wisulticeent to ocecasi mate of bad hand lual we tom, the sulu, ly wit ber ewwilhstaulting the int muncer , prices roue in
and Ferer lo 9 gise of of the but bul
 edropaings spirits of th tat the Com Lasw was Madee the ellects antic eng, 6ld per tays of 181 Sisa bi, per quarter, wer
 Masioved aredief. The inc twayein a fresh exten amain applied to to ten This increase wis


The principle thus briefly explained shows the imprsibility of permanently kepling up the home prices iy means of restrictions on inportation, at the same time that it athords a clue ly which we mas trace the causes of most part of the agricultural distress experienced in this comtrys since the pace. The real object of the corn liw of 1810 was to keep up the price on com at about sos. per puarter; but to succeed in this, it was indispensWhe not only that foreign com should loe exclated when pries were mader this limit, but that the markets should never he overloated with cort polaced at home: for it is clear, according to the primeple alrealy explamet, that if the supply should in ordinary yeats be sutlicient to feed the popatation, it misi, in an untsoblly abundaut fear, be more than sumicient for that purpose; and when. in such a case, the surphes is thrown upon the market, it cammot fial, in the event of our arerge prices being comsiderably above the level of thoe of the surrounding eountries, to canse a rinoms depresion. Now, this was the precise ittuation of this country at the end of the war. enving partly to the let of 1 sol, but far more to the didhentries in the way of importation, and the dereciation of the curreney, prices attained to an examplinary clevation from 1869 to $181 \cdot 1$, and fan whath atimulus to agriculture, that we srew, in Wist mill 18l:3, sullicient corn for our own sulfin, iud. such being the ease, it is clear, though , wif puts had been hermetically sealed arainst jumatimy from abroad, that the tirst luxurime che nut have oceasioned a rumous decline of price. it is the exclusion, not the introduction. of todem curn that has cansed the oceasional distres of the agriculturists since 1815 ; for it is the exclusion that has loreed up the price of eorn in thie contry, in suarec and average years, to an unatural level, and that, conseguent!y renders ajortation in favonrable semsons imposible with(at euch a fall of prices as is most disastrons to the farmer. Is may be mentionel, in proof of what is nam stated, thit the average price of wheat in Enghadand Wales in $181 \cdot 1$ was $5 \cdot 1$ s. $4 d$. per quarter, and in 18 ha it had tallen to 65 s . Fal. Lint ats these prices would not inkemnify the oceupiers of the patate lands brought moler tillage daring the presums hight prices, they were gradually relinquishiug their cultivation: A considerable portion of them had been converted into pasture; rents lad been generadly reduced, and wages had begm to dedine; but the Lerislature having lated additional restrictions on the importation of furcign anm the peration of this natural principle of adjustment was unfortuantely comiteracted, and the price of 1816 rose to 78.8 . Gil. This rise was, hawEte. insutheient to occaston any uew improvement; and as forcign corn was now excluded, and large trats of bad land had been thrown ont of cultivation the supyly wats so much diminished that, wotrithstanding the increase ju the value of mosey, prices rowe in 1817, partly, no doubt, in consequence of the but harrest of the previous
 Wigh prices had their natural effect. They revived the drompings spirits of the farmers, who imagined that the Com Law was, at length, begimming to podnee the efleets anticipated from it, and that the golden days of 181\%, when wheat sold for lisk, bil, per quarter, were about to return! But this proserity carried in its bosom the seenls of thate minchief. The increased prices necessarity measioned a fresh extension of tillage; capital Taisain applied to the improvement of the soil; fod this increase of tillage, conspiring with aronable seasons and the impossibility of exontation, sunk prices to such a degree, that they
fell, in October, lises, so low as 3Rs. 1d., the average price of that year being chaly dls. Td.

It is thas demonstrably eertain that the recurrence of periods of distress, similar to those which have been experienced by the agriculturists of this comitry since the peace, camot be warded off by restricting or prohibiting importation. A free corn trade is the only sotem that can give them that security arainst thetuations that is so indispensable. The increased importation that necessarily takes phace, mader a free system, as som a* any considerable deticieney in the crops is apprehended, prevents prices from rising to an oppressive heirght; while, on the other hamd, when the erops are musually luxuriant, a ready outlet is fombi for the surphas in foreign combries, without it oecasioning any vory heary fall. To expect to combine stemliness of prices with restrictions on importation is to expect to reconcile what is contralictory and absurd. 'The higher the limit at which the importation of forefin corn into a combtry like lingland is fised, the greater is the oscillation of prices. If we wouh secure for ourselves abumbluec, and aroid thethation, we must whonmee all attempts at exclusion, and be ready to deal in corn, is we onght to be in every thing clas, on lair and liberal principles.

That the restrictions imposed on the foreignemen trade down to 1816 should not have heen productive of more disastrons conseguences than those that have actually resulted trom them, is partly and principally to be asoribed to the ungaralleled improvement of tillage in direat listan during that periond and partly also to the great increase that las taken place in the imports from Ireland. l'revionsly to H (hti, when a arfoetly free corn trade between tireat Britain and Ireland was for the tirst time entablished, the yearly imports did not amoment to don, 1000 quarters, whereas in 1 stit 6 they amounted to 1.5 ? 3 , tion ; and any one who has (ver been in Irelamd, or is aware of the wretehed state of its arriculture, mel of the fertility of the stil, must be sati-tied that a slight improvement would occasion a wreat inrease in the imports from that country; and it is not improbable that the check that has been given to the pernicious practice of splitting fimms, to the potato culture, and conseguently to the increase af a pauper population, may erentually lead to material improvements. Hence it is by to means improbable, secing the fall that has already takeln phace, that the rapid spread of improvement at hese, and the growing imports from Irelimd, mare, at no distant period, reduce our prices t" the leved of these of the Continent, and even render its an oceasionally exporting cometry. These. however, are contingent and uncertain results: and supposing them to be ultimately realised, the eorn laws, haid ther been maintained on their oht footing, would, in the man time, have been productive of erreat inconvenience, and would have materially ageravated the misery inseparable from bad harvests.
Nothing but the great importance of the subject could excuse ns for twelling so long on what is so veryplain. To facilitate prodnction, and to make commotities cheaper and more easily obtained, are the grand motives which stimulate the inventive powers, and which lead to the diseovery and improvement of machines and processes for saving labour and diminishing cost; and it is plain that no system of commercial legislation deserves to be supported which does not conspire to promote the same oljeets; but a restriction on the innourtation of corn into a conntry like linghand, which las made a gerat comparative advance in pophiation and manutieturing industry, is diametrically
oplowed to these pribipiples. The density of ont pepulation is sueli, that the exelusion of throisu
 than those hat are under enltivation in the sur rounding fonmatios ; and, in consequenet, our averase prices are comparatively high. 'The impoliey of this condurt is obviouts, if we could. by laviug ont latul. on the mamutacture of entonit or hamame produce a fumbity of these artiches that wonld exchanser for sho (ftarters of American or Polish wheat ; and if the same sum. wete it expended in enltisation in this conntry: would net prolue more than don , parters: the preveluinn of importation oceasions ath obvoms surritice of 100 ont of every 500 quartera consmond in the Empire: or, which is the same thing, it oc"asioms an artiticial advance of 20 per eent. in the price of eorn. We do not mean to say that this statement exatly represents the tumoun of injury that was intieted by the late eorn laws: hit, at ail events, it clearly illnstrates the prineiples which ther emberlied. Hat thourh plainly infurions to the pabliar, it may serme, at first simht. as it this system were alvantarems to the lantlords. The atrantige is, howe ver merrly appa-
 the interests of the landerons and those of the rest of the community. It would be ridirulons. indend, to imagine for a moment that the landlonte eomht be bexelited by as syem in which thome wetuations of prises, so subvervive at all nericulturel prosprity, were inherent : lut thongh these could have beed got rial of, the restill would have been the same. The prosucrity at agricultare mata always depend upon, and be determined loy the prosperity of other hranchew of industry: and tar syetem which. like the corne laws. is ingurions to that litter, camot lut be injurionc to the fommer. Susstad of being publidy als:matageman, high prio. ari in every can distineth and complaty the ane verse. Thie mallor the sarimee for which any commodity em be atained, sor mad the leetsor. When the habour required to prosluee, or the money roguired to purehase, a sullicient sulple of curn is diminished, it is ats chear as the sum at
 to probluce or purchase the other meessaries, conpeliences, and ammsements of human life. atol that the sum of mational wealth and romforts must be proportionally anmented. Those who suppuse that a rise of prices emm ever be a means of improsing the condition of as count ry might, with "fand resom, suppese that it woulit le improser liy throwing its hest soils ont of caldivation, and deatroxing its most powerfinl machines. The "pintons of such persoms are not ouly opposed to the platinest and luse established principhes, lat they are: "ploseal to the obvions comelnsiont of
 mankind.
It would. huwerar, be unjusi not to mention that hare has always heen a lange and respectable party anomest the landlordso ghomed to all restrictions on the trade in corn, and who have mitformly thenght that their interests, leing indentitied with theme of the public, would he lese promotel by the almlition of restrictions on impurtation. A protest expressive of this upinion, sulpscribed hy 10 peers, was entered on the Jourmats of the Hoste of lards, arganst the varu law of 1815. It is said to lave hamen written lyy the Inte Lord (iremille, distmgnishen as an enlightemed advocate of sound commercial principles. Its reasoning is so cloar and satisfactory, that we are sure we shall gratify our realers, as whas strungthen the statements previously made, by laying it lofore them.

- Dissentient-I.
 thank it mertain theat putate prosperity is lume Wi moted ly lawinif whontrolled the tree carrant national industry; and we wish rather, by well. comsidered steps, fo bring baek our eommereinl lecgislation to fle straight and simple dina of visdom lain to increase the deriation hy subigetine tulditional and extomsive bramenes of the phatia
 restrintions
-I1. Bucalmen wo think that the ereat pramera ruke, of beavinis ald commere umbernem : atplin.


 cosity which conleh in war jordmment and horise the legislature to tamjere with the weston. Hee on the forple, and to imperlie the tree phe lane
 harece a portion of the emmennity.
-111. limeave we think that the experematiogat ultimate benedit from this mescure are bur vele on
 that this law will eser commeribute to jumile



 somree of werply ean only temel io lewem abmedance:to elome asainst oursober tho thes market for any commorlity mont enhane priee at which we purehase it ; ithl th chaline

 prosisum which Irorideree itself has mate it cifulinimes to man the rarriations of elimate anio. Ras.0ns.

小゙. But whatever may be the funt vome Tuthers wit this law at some lisuant and unvertan se, jool. we vee with pain that these hopes mas? purchased at the expense of a preat amb prom vil. 'To ermupel the consumer to purchat learer the home than it mishas be importen or mo iborol is the immediate protetieal aldeet of law. In this way alone can it opmate. foro seatt protection, its jromised extension of auretsaure. must result (if at all) from the pend whels it areates liy keppiner up be pries nt or in an artificial level. Theme fuature bendetise the rembequences expected, hut. in- wa dombly dedinve, urrumbusly expertondo itam a benuly to the grower of com by at tax im on its echuminer.
V. Beeture we think the adoption of anre p manent law fir such a purpose required the full and na'st habrions investigation. Sin wonl: have luan sutliadent for our satisfaction. cmild haw been eonvined of the ceneral polier of hataralons experiment. A still further cmin would have heen necessary to persuate us flat prosent monuent is tit for its alloption. an "muluiry we must have hat the means of stiml'y ing ournolves what it immediate operation Lo, as commented with the varionas and circumstames of publie dithicalty and tist with which the country is surrounded ; with state of our cireulation and enerency, of out at culture and manufactures, of our intemal reternal commerer, nnd above aill with the dition and rewnrel of the industrions and labonit clasess of omr community:

- On all these particulara, as they respect then question, we think that l'arlhment is nem wholly uninformet; on all we sce reason fort utmost anxiety and alarm lrom the operation this law.
'Instly. Hee rinciple and ! The evidence be fet as it is, see to support the p1 at the standard mole by which ind on all these atr dissent from owrie, and, as we пnences.'
Ittemper have mate the pecminiar unimperration ent cemmery. This, un spect to which it is rate data. But supl annnally prochecerl Wamonint to Ell,o alded to its prife b ty a tas will corn the average rive on lefth at Bs. leer qua invuluol, so grea ever, consumed loy t asthed in seet, the turtethan a half, pe Praluent is loongrit ricte ill this hypot stimates, it will boll the elasies not engare orioumb a-gear, ex mbimes cunsequences
 ents and this is all is sil to have gained ditional price rerove puthin of the produce ras noe more thon the apital and labour. II if all other capitalists, I. this syotem, were thoulgh, husemally at $h$ the reats of the limedon aldowantly cortain th advantaceons to them. larger slum to have ba Aluctuations af price oa and the daumge tone cropping when prices derivel from the restrice ai Dutics on Import odjecte ; that is, either to balanec any ather a driculturists over Theses, (Treatise on T" beveren, to ald ed. pp. arvenur, to a duty prover subject fio be do Wower suljeet for taxat
or tuch an object shoul laraty to the revenues If it a nccessary of 1 It it be really troe darly taved than any ade agriculturists are cumpentind on forci thrmplang to the incin. It his been do quastion tit this predic be tasy to nut quite fr topuries, that. welue ther direet

Satily. Becanse, if we conlal aploreve of the rinciple and purpose of this haw, we hank that ansulicient foundation has been laid for its details. the evidence before us, unsatisfactory and imperfret as it is, seems to ns raber to disprove than to suppurt the propricty of the high price atopted at the standard of importations and the fallacions male by which that priee is to be aseertained. tht on all these groumbs we are anxions to roond aro lissent from n measure so precipitate in its murte, and, as wo fear, so injurions in its consequences.'
lutempts have sometimes been made fos estiTrate the pecrmiary burden whielt the restrictions amporation eniailed in ortinary years upon the evontry. This, undoubtedly, is a sibifeet with reseet to whim it is not possible to obtain any acentredata. But supposing the total quantity of com amnally produced in tireat Britain and Jreland to amount to $50,000,000$ quarters, every shilling ahled to its price by the corn laws was equivalent to a tax on corn of $2,500,0007$; and estimating thaverage rise on all sorts of grain preciously to 1-4 at $3 s$ per quarter, the total rise would the is indone. So great a quantity of corn is, how-
 as fiel in serel. the keep of herses de., that not wethan a half, perhaps, of the whold equantity pradreed is bonight to market. If we are nearly that in this hypothesis, and in the previons stimates, it will follow that the restrictions coat the elaeses not engaged in agriculture whe less than Binany, a-year, exchaive of their other permivime consequences. Oi this sum it fifth, probialr. or $7 \overline{0} 0,0001$, went to the landhurds as ent; and this is all that the agriculturists san be sul to have sained by the system. tor the neditunal price reerived low the farmer on that prom of the proluce which is exduxive of ront Was no more than the ordinary return for his captal and labour. Ilis prosits, indeed, libe those of all other capitalists, instead of being inerfamet he this 8 -venm, were diminished by it; anall though, numinally at least, it somewhat increa-in the reuts uf the landlords, it is, notwithstandin… ahanantly cortain that it was anything but adsantaceons to them. It wonld refuite a liar larger sum to have balaned the injury which dactuations of price ocetsionsel to their tenant - , and the damage done to their estates by overeropping when prices were high, than all they derivel from the restrictions.

Duties on Inportation.-A duty may be equitably imposed on imported corit, for two oljects; that is, cither for the sake of revenme, or tin balance any exress of taxes litid on the ariculturists over those liad on the other chases, (Treatise on Taxation by the auther of this work, 2nd ed. pp. 193-203.) With respect, bunsever, to a duty imposed for the sake of - Erenuc, it may he doubted whether corn be a Proper subjeet for taxation. At all events, a duty arsch an object should be exceedingly molerate. It would be most inexpmaient to attempt to add larely to the revenue by laying heary duties on the prime necessary of lite.
If it be really irne that arriculture is more Leavily tased than any other hranch of indusiry, the agriculturiss are entitled to themand that $n$ duty be laid on foreign corn when hupmont carrespouling to the erriess of burdoften alleedlug them. It has been doubted, however, whether this! ate hit this predicament. lint though the Thestion be not quite free from dilliculty, it would be casy to how, were this a proper place for such tapuris, that owfing to the virious lucal mut cther direct and indirect hardens laid on the
land, those oceupying it ate reatily subjeetal to heavier taxes than muy uther dass. It is dilli"alt, or rather, perhaps, imposible, to estimate with any degree of precision what the exerss of taxes latid on the agriculturiste heyond those latil on manulactures and merchants hay amount to : but we have elsewhere shown, that it we extimate it as making an aldition ot is. or tes. Wo the ruather of wheat, we slatl probably be bevond the mark. (Trentise on Taration, ulii supra.)
Whenaduly is laidon the imporation of foredgatan eorn, for the equitable purpose of conntrepailing the prendiar duties latid on the eorn raised at home, an equival'ont drandard should be allowen on its expurtation. - In allowius this drawhack, we are merty returning to the tarmer a tax which luo has already paid, and which he most have, to place him in a fair state of eompetition in the timedin market, not only with the foregat producer, but wihh his own commrymen who are producing other commoritics. It is essentially dillerent from a bounty on exportation, in the sense it which the word bountre is msually underatood ; fur by a hounty is gencrally meant a tax levied un the pople fir the purpose of rembrintr corn unnaturally cheap to the forcign consumer: whereas what I propose in, to sell our corn at the price at which wecan really alforl toprobureit, and not to ald to its price a tax which shall induce the forcigner rather to pure hase it from some othe" comery, and deprive uts of a trade which, under: systam of free competition, wo might hase selucted.' (liocardo On Protcetion to Agrivelture, p. 3.3.$)$

I duty acrompanided with a drawhack, as now stated, wueld not only, unter the eiremmstances supposed. have been on erpuitable arrangematat, hot it woth have been highly for the advantare of the tarmers. withont heing injurious to any one cle. 'The radieal defere, as already shown, of the yystem followed from $1 \times 15$ down to 18.14 , in so far, at least, as respenel impiculture, was, that it foreced up prices in vears when the harvest was detieient, while it left the market to be ghated when it was abmedat. Bat while a constant, duty of is. would have secmed to the hane growers all the increase of price which the regat due to the interests of others should allow them to realion in a bad year, the drawback of es., by enabling them to export in an umandy plentifil year, would have prevented the markets trom being overloaded, and prices from falling to tha ruinus extent that they have oceasionably done Such a plan would have rendered tha buein ses of the dealers in mul growers of com comparat ively seemre, and would, therefore, have provided tior the continued prosperity of both. It is surprisinf the agriculturists did not take this view of the matter. If they were really entitled to a duty 1 m foreign eorn on accome of their being inore heavily taxed than the other classes of their fillowcitiacos (and they had no title to it on any other ground), they were also entilled to a corresjon (ling Hrawback. Aud it almits of demonstration, that their interests, $\mu+w \cdot l l$ as those of the community, would have been better promoted by such a duty and drawback than they ever could have been by any system of mere dutics, how high soever they might be carried.

## Hit. Bumasil Come Thende.

1. Quantity of Corn cousmas lin Cireal Ibritain, Attempts hivif Eumetimes bern .. ade to estimate tho quanity of buth rated in a comutry from concolations fonmed un the monber of acres in

it is plain that no perfect!y accurato necount call
ever be framed of the extent of land under cultiever be framed of the extent of land under culti-
vation. It is perpetually changing from year to year; and the amount of produce varics not only with the difierenees of scasons, but also with every improvement oi agriculture. 'This methoul, therefore, is now rarely resorten to, and the grow th of corn is generally estimated from the consumption. The conelasions deduced from this criterion mast iudeed be sutbect to error, ns well from variations in the consumption oceasioned by variations in the price of corn as from the varying extent to which other foon is used. But supposing the prices of corn to be reduced to an average, if the consumption of a considerable number of persons, of all ramks and orders, and of all ages and sexes, were accurately determined, we shoult be able, supposing the census of the population to be nearly correct, to make a pretty close approximation to the total consumption of the comitry. Mr. Charles Smith, the well-informed and intelligent author of the 'I'racts on the Corn Trade, made many curioun investigntions with a view to discover the mean anmal consumption of corn; :and reducing it to the standurd of wheat, he found it to be at the rate of abont a quarter for each individual, yountr and cld. This estimate has been confirmed by a varicty of pubsequent researehes: and among others, by enquiries made daring the scarcity of 1705 and 1796 , by the magisurates of Sutfolk, in 42 different parishes, in the view of asecrtaining the avorage consumption of each fanily, which they found to correspond very closely with Ilr. Smith's estimate. It is also worthy of remark, that M. I'ancton, the intelligent author of the Metrolugie, estimates the mean ammal average consumption, in France, when reduced to the standard of wheat, at abont 10 bushels for each individual; and as the French cons me more bread and less animal fuod that the English, this estimate affords a strong proof of the correctness of that of Mr . Smith.

IJaving taken the popmation of Einglam and Wales in 1765 at $6,000,900$, Mr. Smith reckoned
the consumers of ench kind of prain, the quantity consumed by each iudividual, and hence the whole consumed by man, to be as follows:-

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Krusy used in
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O.es for
Wits fur hores \&c.
Total of hame consumption
-hild escess of expurt

Add seed fane-tenth)

This estimate, it will be observed, does nut inchode either Scothand or Ireland; and later enquiries have rendered it probatble that $\mathrm{Mr}_{\mathrm{r}}$ Smitl nuderrated the population of Jingland and Willes ley nearly $1,000,400$. The most eminent agriculturists seem also to be of opinion that the nllowance for seed ought to be stated as high as a sixth or a sceenth.
Mr. Chalmers, availing himself of the infurmation respecting the numbers of the people fumishel under the Population Act of 1800, estimated the total consumption of the different kinds of prian in Great Britain at that epoch at 27,185,3010 grse, whereof whent const ituted 7,676,100 grs. The crops of 1800 and 1801 being unusuatly deficient, the importation in these years was proportionilly great; but exchoding these ecarcities, the total averare excess of all sorts of grain imported from Ircland and fureign countries into Great Britain over the exports had previously amounted to alout $1,000,000$ grs.. which, deducted from 27,185,304 Jeaves $26,185,300$, to which if we add one sixth as seed, we shall have $30,519,516$ qras. as the average growth of Great Dritain in 1800.
According to Dr. Colquhoun, the consumption of corn in Great Eritain and Ireland in INA

| Spectes of firain | Estimated Iverage of the P'mulation of cireat 2sritain abd Irelath | $\begin{gathered} \text { Fich } \\ \text { frumbe } \\ \text { averageat } \end{gathered}$ | $\begin{aligned} & \text { Conamaned } \\ & \text { by } \mathrm{Man} \end{aligned}$ | $\begin{gathered} \text { Consumed hy } \\ \text { Animals } \end{gathered}$ | l'ed in llecr and spirna | $\begin{aligned} & \text { Used in ras. } \\ & \text { rions lians. } \\ & \text { factiores } \end{aligned}$ | 2uanters |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Wheat | 9,000,000 | $\underset{1}{q u a r t e r s}$ |  | quarters | gurers | 耳uariers |  |
| Rasiey | $10,500,040$ | $1 \frac{1}{4}$ | (1, 5.5 .50106 | 210,001 | 4,254,000 | 1, | 6, $7.50,5 \mathrm{~km}$ |
| flats | 4, $510 \mathrm{~m}, 010$ | 17 |  | 10,20,100) | 二 |  |  |
| He | (10) 1,000 | 1 | 625,100 | Sts, 0111 | - | 1,000 | 6xs,4\% |
| Beans and peas | 5090091 | 1 | tamon(t) | 1,36(0,4901 | - |  | 1,8(i), (and |
| Tonal |  | - | 18,750,001 | 11.929.4M\% | 4,25(1,10(H) | $1: 1.04$ |  |

amounted to about $35,000,000$ quarters. W'e sive has estimate.
Bant though this estimate be compiled with preater care and is entiled to more confidence tham most of those put forlh by its author, it is in some reapets extremely inaccurate. There can, for exanple, be no maniner of doubt that the consumption of oats is mulerrated by at least 2,250,000 quarters, or by $\frac{1}{2}$ quarter in the quantity assigned to each of the $4,500,000$ individuals Dr. Colquhoun supposed werefed on them. And besides underrating the consumption of oats, Dr. Colquhoun lias made no allowance for seed, tbough it be unnecessary to say that the expenditure of corn as seed is as indispensable, and its consumption as effectual, as if it were employed in the feeding of men or of horses. Adding, therefore, to the $37,250,000$ quarters which Colquhoun's estimate shonll have amounted to, $\frac{1}{6}$ for seed, we have on his data $43,45 \%, 000$ quarters for the total consmmption of corn in the United Kingdom in 181.1.

But instead of a population of $16,000,000$, whith is assumed as the basis of the nbove estimate, the United Kingrom liad, in 1861, a population of above $29,000,000$. If, thereforc, the estimate of Ir. Colquhoun were accurate, and the consumption, as compared with the popplation, rere about the same as in 1814, it should now amount to above $78,000,000$ quarters. But during the last 30 years the proportion of wheat used as food has been materially inereasel; and at present the cansumers of barley certainly amount to nothing like $1,500,000$ individuals; probably to not more than 500,000 . The consumption of oats has aloo increased very materially, partly and priacinally from the great increase in the number of hoses and their better keep, and partly also from the in crease of population in Ireland; but it is abundantly certain that the expenditure of corm on the lower animals, and in breweries, distifleries dse, does not now nmount to anything like twice the rjumtity at which it was estimated by Colquhoum

Igrivultural stat
flywing opinion Perliaps we may be wrantages to lie "Arriculural Statis exaterated. 'The e mps may be liarne bat it is the meres that the produce of herm with anythin
pe till it be thrish me till it be thrishiet that it were otherwis ananu.eed in septen mas (any) $2.0100,0000$ the first efliect of the truise the plice of wl and where is the gai tuadrantage? The 1 ditional security to the
pates: for, thonerh phtes: for, though gasters are required to fuency, he cannot knon warts ondered by I, C, लmpetitore here and ab,
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itrelifeat agents throug into and report on the sta seresto to aprelacud tbejprincipals purchase are er ench simpletons a pecturinformation to $t l$ te a sery gencroms, but time davery toolish pro armanization of inform the? Fruld be the tirst ach oficial statements as $t$ were (any authorits."
sure the alowe was wr Las ixfif) collectent the find oant if live Nock and The ralue of the statt wa suptied for corn exargerated or in evif that no certain inf? the gumaty produrecil fir recking of the arres a wece of any materials

Total . Vum
Dictivith


Agricultural Statiatics.-In a former edition the ence, the attempt to reduce the acreage to quanWhiving opinion of these statistios was stated: pethaps we may be exensed for adding that the drantages to be derived from what are called ".laticultural Statisties" have been ritienlonsly exyerated. The axtent of hamd muder different onpe may he lemmed with tolerablo precision; tot it is the merest lallucination to imagine that the froduce of any harvest fan ever be kown with anything approximating to necumay till it be thrashef out. supposing, however, bit it were otherwise, and that it was ollietially anoweed in September that the wheat crop mas say) 2.000,000 quarters muder an astrage: the first effect of this announcement would be arake the price of wheat in cerey forcign prort; and where is the gatin to set of against this disulrantage? The return would erive no adational security to the sipeculations of the impreres: for, thongh $\boldsymbol{A}$ knows that $2,000,1000$ quaters are required to make up the stated dedeenc, he camnt know how much has been or mar beodered by 13, C, 1), and his 10,000 other emperiture here and abroad. The existing sustomis in all respects preferable. At present ihe peasern merehauts are in the habit of sending inteligen agents through the eountry to examine into and report on the state of the erops. If they He main to apprehend an musual deficiency, besprincipals purchase accordinsly. But they arenash simpletoms as to comminnicate their pecouramormation to the pullie. 'Tbat might tearerp gacrous, but it would at the same time tavery toolish procecting. And yot this
 charerty uld be the tirst and prineipal resilt of enchoficial statements an to the state of the crops Barce fany authority.'
Sane the alowe was written the Government Lis wifi) eollocted the ficta, both as regards the eronat of live aluck and the cultivation of the 42 The value of the statistics, hwerer, which tere hen suphied for corn and grean crops mast - le exasprated or misumterstoot. It is Frifot that no cortain inference can be obtainet 5 obe guantity produced, however exact may btherekening of the acres under tillage; and in thatence of any materials for the former inter-
tities of com would be an arithmetieal fallacy. But as successive annuad aceounts are riven, there is an inference of some importance, in the comparison between the amonnt of corn sown and in the guantities inymited for consumption, which will cuable persons to arrive at anserimato of the average amual deticioney in the suple of homegrown corn. We do bot think that arricultural statisties will enable firmers and corn dealers to determine future prises, lat they will be of mome ain to such a result. mud will certainly supply the public with some intionation as to the mensite of its dependence on the growth of foreign comtries,

The hargest imports of foreign corn and mend hitherto introdured into this country were thase of 1862 , when $70,9 \times 7,2.2 x$ ewts., equal to more than 27,000,000 quartera, were inmorted. Of this quantity a very small amount was xo-exported. The wheat ani thour aloue amounted to more than $11,600,000$ fuarters. In the seven yars
 wheat and slonr amonnted to $51,200,296$ rnarters, fiving an average of $7,342,499$ quarters as the amount of wheat and thour nected for the inhabitants of fireat lhitain and Ireland. as estimated for the seven years in question. During the seven vears ending with the var 1858, the average ammal consumptien of foreify frain was $4,5!5,801$ quarters, 1hring the swen years suling with the year 1850 , the average mumal consumption was $3,073,0: 3$ quarters. These facts are of the highest signiticaner, showing ats they do the increasing dependence of this country on forejgen suppling of wheat and thour, and indicating what on matcrage cistimate is the general demand of this comutry on the hrcalstutls of forcign regions-a demand whieh has more than donbled during the space of fourten rears only.
Leiturns as io the acreage under corn and other crops have beco made from Irelami and scotland tor some yars pas, bit no sueh return was oittainable trom England and Wales till 18ti6. In this year, however, such an account was publishend by the board of 'Trade. The most jmportant dacts of this return are printed below.

Total Number of Acres weter Each Description of Corn Crop, 1866.



importation :
in the siew ou' 1
wher are whatys a fair profit: a "Howing the tri Whnch on ext create his impur maible to devise the losses incurr (4) mating a pro mitito of जuch $\pi=1$ thing, lerhaps, mit Thit the system we cocted ant quite "p an ive to the loss fule nind th the pron speculatin!
There are whate the permicious (yper still more striking thance of uatave harsest, ame a detiei rive, and the duty fit whes suppose that that the anticipation aill ulserve whist, tue uperation of the prices immediately monepat increace ot enm wardnused in every contiguous fore for consumptive and ket? Mith no dutty. chant distribute the the best estimato they and ficcersities of the It a slidim-scale fre sidepatimens. Besides trale, it tempts merch twholl banck, in the e enter their corn at a r the uther lame, a fall market, as already sce rinonsly tepressed 1 . it to csape the increa nately injurions to arricultural chasses ; ting on the former, mithhold their rorn attains to a ruinous! latter, ly, making the market which is alreal low prices of $1 \times 21$ an and $1 \times 3{ }^{2}$, were, no the the execes of the foreid arising out of the circt Sow that our ports a Whether of native or fumisharl whon necess necessity: and when large propertion of the anticipation of a futury was no romm for cons eversthing had to be ty thal starts. Wi busted of wheat from t but onf prices having, jallenstis more rapiill. demand for all the cori pring expected, no for meting such su make ; and prices ro make our preence in
erery one, excejt have on hand stock
 ing the viow of the merehant when he gives an as it would have bern latil the jorts been eonin fir ate always shell ne he mppopes will yidel a hair protht: ant if they rive, this rise "will, andposing the trade frece or the daty consta - ilsull meatra prolit as with make him m--ioner his impurts to the utmost. If it were fasible to derixe a system that shoubd diminiall mosthe loses incurved in matarourable nperulations to making a proportional deduction from the
 hint, perhats, night he fomul to say in its finvor. lint the system we arted 1 mon of lato years promandel en quite upposite principles: its"etfect was ant to diminith riske, hat to increase them: it and to the los, resulting trom an manerexsfull and th the protit reanlting firm a successtul speculation!
There are nther considerations that serve to set the permicious operation of $n$ thenet nating duty in a still more striking point of viow. Should a eontuance of untavourable weather oceur betore lursest, and a didicient crop be anticipated, prions rise, and the duty falls to mext to mothimg. But surs suppese that the weather beromes tine, and that the anticipations of a short erp are dispelled,
 the uperation of the sliding-scale. In such a case prices immodiately give way, amb, to avoid the conepart increare of inty, every laskol of toreirn - ant wadhoused in the comutry, and, inded, in every contiguons forcisu port, is forthwith anterel fig fonumptinn, and thrown upor a lilling marhet! With no daty, or with a tixed dity, merchaut dassibute the supply of corn accoriling to the leetestimate they ean form of the real wants and neessities ot the people. But the operation if a stiting-scale grocs far to exclude such consiluratimes. Besides donbling the hazards of the trale it tempts merchants, when prices are rising, th holl back, in tho expectation of lecing able to thter their com at a redneed duty; and when, on the wher hand, a fall of prices is antiopated, tho matket, as aiready seen, is overloatled, and prices minnuly depressed by the supplies tirced upum it to eseape the increase of duty! It is thms alterpatdy iniminas to the manufacturing and the arrientural classes; entailing the sever'st privafione on the former, by making the importurs withond their com from market tilt the price athins tha minomsly high level; and on the latter, ha maing the same parties throw it on a market which is already depressed. The extreme low prices of $18: 21$ and $18: 22$, and of $183: 3,1831$. and lsw, were, no doult, in part vecasioned by the exeess of the foreign entries for consumption arinit ont of the ciremmances now mentioned. Soir that our porta are constantly open, supplies, whether of native or of foreign growth, are omly furnished whin necessary, and are limited by the necessity: and when prices are low, or fallinir. it large proportion of the imports are warchonsed in anticipation of a future rise. But formerly there wat no room for consideration or combination; ererythang had to be done on the moment, and He fil. and starts. We might not have brought a bushe of wheat from the lialtic for a year or two; but our prices having risen, and the duty having fallen stith more rapitly, we had an instantancons demand for all the corn that could be had! Not laing expected, no provision could be mak for meting sueh sudden and capricious demands; and prices rose to such a degree as to nake our jreence in the forejn markets hateful oevery one, except the few who might happen Whave on hand stocks of corn. It is plan, tow. thal a commerce conducted in this way enudel mot
stantly opern. We had a demand ome year for perhaps ien times the quantity of foblish corn that we required amother year; but the leales conld
 Ifins of our cottons, woollens, mid hardwarc. I'nderordinary cirenmatabors an increaconfimports is always necompraied by a correspondiben incrase of exparas: bat, tu bring lids atont, the inerease
 the chancerv are to to to one that the foreigndemand lin our jernluets will not increase tar tin uqual extent. Lien is the principal means which the Poles and Rosiana have of paying lio English goods; and, as we fropuently shint it wholly ont, their infurts from Eagland were mavodahly bedow evell the ararage amomet of their ceports: su that when we have had an extraordinary demand for earm, the freater part of the exemes had to be pail for in ballion; and, instemd of
 and manneaturing interesta wren dowly ingurel.

Hut it is nunecessary todwedl on what is su well known. Fortunately vedid nel. require to import any foreign corn in 1 s:3.5 and trite; for mo onc, either in the lank of burfland or ont of it, ae guainted with the cirembetaners, can douht that, had it been then necessary to matio the same paymenta for fireign corn wrom to make in $18: 30$ and [x:3]. athl in $183 x$ and 18:3), the hank most have stoperd parment-; and a shook would have been given to the credit and limancial interests of the rountry from which they would mat easily have recovered. The severe pressure on the booney market in $18: 90$ manly originated in the same circumstances; and that pressure was prodnctive of far greater loss and ineonvenience to the agricalturists than any nowntage thry gamed by the rise of price: in that year.

It must mot, however, be surposel, from anything now sam, that we mean to state or insinuate that it is possible, by any eontrivance, or by the ntmost possible degree of fredom, to areit all thetuations in the supply and prics of corn. I'y sudt idea would be aliki eltimerical and at adid. Variations of the harvesta, in so rich and pophins a country as (ireat IBritain, must always, and under any cireumstances, have a powerlul inithence over prices, not only here, hat also in those foreign markets whence we are in the hahit of drawing a portion of our sypplies. But it admits of demonstration, that importation withont nny, or with constant duties, is the best means by which to mitigate the influence of variations of harvests, and to secure the sreatest studiness of priece. Under the existing system, the merchants of this and other cominties are able to form their plans without the fear of their being overturned by aecidental or contingent circumstances: and the tict that we every now and then requite a larse suphly of foreign corn makes capitalists, here and elsewhere, warehouse in abundant years, large su,plies, in anticipation of the demand when a deticiency ocears. The merehant has now to deal only with real wants and necessilies; and these it is compratively easy to provide against.

Hesides its mischievous operation in other resjects, the late corn law was highly inimical to the public interests from the convenient hande which it afforded for all sorts of agitation, misrepresentation, and abuse. Its deleterious intluence was greatly exaggerated; and it seemed to be supposed that its repeal would be a sovereign panacea for all sorts of grievances. lhat though, for the reasons previonsly sated, the new system has siven us wreater steadiness of prices, and has, in


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consequence. been of much public alvantage, its influcnce in the reduction of prices has not been so great as has been expreted, both by the agriculturists and by the other classes. The extraordinarily favourable seasons and productive harvests that prevailed, both in Europe and Ame-ica, in 18.8 and 1810, led to an musually large importation, and consequently, also, to a considerable fall of prices. But this fall not having been be any means so great as might have been anticipated from the magnitude of the imports, shows that the greater portion, at least, of the latter had been requircel to mect the increased llemand of the country. In 1852 the price of wheat amonnted to 40 s . 9 d . per quarter; and we incline to think that this will prove to be about the lowest point in the deseending scale, and that the probability is that trices will be consilerably hiaher. 'There must, no doubt, be in all caves much uncertainty in prospective estimates of prices. W"e are still, however, disposed to abide ly onr former conclasion, that the probable fithre average price of what in this commers, under the new system, may be estimated at aboit. 48s. or 50s. ןer quarter ; aud if so, agricnlture will not he afteeted by the corange.

Should it turn out ditlerently, and should there be at any time so very abomdant a season in this comitry and in the norti ol' Europe as to thrcaten such a fall of prices as might give a serious shock to the industry of the limbondman, the erisis may be averted or mitigated by some temporary expedicnt. Lhat it is not very probable that it will be neecssary to interpose in this way. Instead of being unfavorable to the agrientencists, they have already cained, and the chances are that they will concinite to silin, by the new system; they have greater captal, skill, and industry than those of any other romitry; and being aware that they must how wholly rely on them to preaere Their place in society, and not on Custom-house regulations amd parliancutary majorities, the continued improvement of agriculture may be confidently expected : amb, apart from this powertin stimulis, the existing system has the further autvanture that it rives the arriculturists increased security, abd identities their interests in opinion, as well as in fact, with those of the public.

At the same time we are ready to admit that, had it been practieable, we should have preferred secing this great question settled ly the adoption of a measure for opening the ports, moder a dixed duty of 5 s.or 7 s. per quarter on wheat. accompamied with a corresponding drawback. We make this statement on general grounds, and withont any reference to the peculiar burdens that affect the agriculturists, though these should neither be forgotten nor overlooked. It would be easy to show that in scarce years a duty of this amount would fall wholly oin the forcisuer, without alfecting prices or harrowing importation; while, in. years of musual plenty, the drawback would licilitate exportation, and would, consequestly, tend to hinder prices from falling so low as to iujure the farmer and obstruct improvement. Andinamatter of such immense importance it is the part of a wise Government to be cantionshow they take any step, of the eonsequences of which they are not fully assured, or which may expose any rreat interest to serious vicissitudes. But, even il our limits permitted, it would be to little purpose to insist on these or any similar considerations. The pertinacity with which the agriculturists opposed every appoach tor a more liberal system roused a spirit which would not be satisfied with anything sihort of a complete abandomment of restrictions. The time for compromise and arrangement leing allowed to go by, Government hat to deal with an
unreasoning necessity: 'Cum ventre humano tilli negotium est, nee rationem patitur, nee aequitate mitigatur, nee ulla prece flectitur populus, (Seneca, de Brev. I'itcr, c. 18.) What was practi.. able becamo of more consequence than what wis either just or proper. And even had it been winsisible to effect an arrangement of the qumstion in the way now stated, the pernicious trade of agitation would most likely have continued to thatih: the olject and intluence of the duty would hase heen misrepresented; and neither landlords nor farmers would have felt any contidence in the pernaneree of the new arrangements. Cinder these circumstances, their unconditional repeal was, if not really, at all events practically: the best, if rather the cnly saife course that could be adoptel in dealing with the corn laws.
Datire puyable slown to Feb. 1, 181!, mader the Act 95.10 Vict. c. $22 .-$ On all corn, gralu, meal, and llour imorted into the United Kinglom the Isle of Man from parts beyond the seas, anll entered for home consumption, $\mathrm{Vi} \%$ -

If imported from any Forcign Country. Wheut.

## 

Wenever the average price of wheat, made ap anal
publisthed it the nammer required by law, shath to publifhect the the daty shatil be

## icer q.




Barley, Bear, or Bigg.
Whenever the average price of tharley, mado up and puhtish 4 in the manner re
under $26 a$. the duty shall be


## Octs.

Whenerer the average price of oats, made up and pub.
fihd in the manner rezuirel by law, shail be undir
18s. the duty manne

Ryc, I'casc, and Beans.
For every quarter a duty equal in amount to the dut
payable on a quarter of haley.
Wheat. Meal and Flour.
For every barrel leing 196 ths. a duty equal in anuunt
to the duty layable on ext hallons of what.

## Barley Meal.

For every quantity of $215 \frac{h}{2}$ ths. a thuty tyonal in atmom to the duty payable on a quarter of Lariey.

Octmeal and Groats,
For every quantity of $181 \frac{1}{2}$ lus. a daty equal in amount
to the duty payalite upon a quarter of cats.
Rye Meal and Flour.
For every barrel being 196 lbs a a duty equal in amoun to the duty payatle upon 40 gallons of rye.

## Pea Meal and Bean Mral.

For every quantity of citi 11 s . a duty equal in amoum If the Produce of, and imported fiom, nuy Dritich Possession out of Europe.
Whent, barley, bear or hilgg, oat2, rye, peasr, and theass Whe duty shall be, per ury. and bean meal, the duly sbail 'ee, per cwi.
the above duties ceased on Fcbruary 18.19 ; and on, from, and ater the said February

1819, the follot 1.186.1) charg viz.-

Lpon all whent, La:
 l'pon all whithent me: ineal anil thour. 19
ind so :a rroqurifo

Regulutions: luited Kïnglor mbodicd in th © 26 Vict. c. 1 tract:-
Clause 4 of tl arcrage prices aceording to 58 and the dutics thereby:
(lanse 5 repea c. It which proh lnited Kiagdom com ground.
At present (18t of $3 d$. per cwt. is in rate of ls per quar equivalent to th
We subjoin an
546 Yict. 2 nes in the $8 \& 9$ Vict force.
Requations to be any British Possessi filim, meal, or tlon Iritioh pasession on auy such possession ur shipper thercof before the eullectoro at the port of shipm speifying the quant urain. meal, or flour, produce of some Brit to be named in such onace or proprictor os finm the collector cestoms of the said innature, of the qua thar so dectreal to am, graiil, meal, or tit Writ or phace in the $U$ imance of any Britis the master of the shii probec and deliver to witere to customs of ation a copy of such reve and decurate copy the collecetor and other the port of slipment 4 aule, tyeether with th Cid collecectr, or other the puantity of cora s un: veleh master shall fifre the callector or ot 4 the place of impa vining that the sercra maxal of flour on boart reatered nulder the an tre the same that are m teelelelaration and cer nitiont any ndmixture manullail in any sucel
wrutly mako any fols mhetly mako any fals are which any such Mis the produce, or resp) matern, grain, meal, o det and becono iab Nach per mon bi, and the

1819, the following duties were (down to September 1.186.t) charged on corn entered for constumption, viz.-
shall also be forfeited; and sueh forteiture may be sued for. recoverod, and npplied in the same manner in all respects as nuy forficiture mourred under and by virtue of the said det 3 \& 4 Wm IV.c. is. (Scc. 5.)
Accomuts of Cora imported see to be published monthly.-The Commissioners of Customs shall ouce in each month publish in the Lomdon Garette an necount of the total quantity of each sort of com, grnin, menl, and flour respectively imported into the United Kingdom, ned alse an account of the total quautity of each sort of corn, grain, meal, and flour upon which thatics of importntion have been paid in the United Kingdom thuring the month next preceline, nul of the several rates of duty which shall from timo to time during such mouth have been payable upon eneh sort of corn, grain, meal. nud tlour respectively, with nu account of the total quantity of each sort of corn, grain, menl, and tlour remnining in wnrehouse at the end of such next preceding montlı. (Sec. 7.)
Section 8 enacts that if nuy foreign state subjeet, liritish vessels, goods dic. to any higher duties or chnrges than are levied on the vessels of other countrics \&c., her Majesty mny prohibit the importation of corn from such state.
Section 9 enacts that weekly returns of purchases and sales of corn shall be made in the places named in the schedule annexed to the Act.
Section 10 gives her Majesty power of nppointing a comptroller of corn returns.
Section 11 enacts that the comptroller shall execute his office in person, but that a teputy may be appointed to net in certain cases.

Sections 12 and 13 authorise the Lord Mayor and aldermen to appoint an inspector of corn returns for the city of London, under the same conditions as the general comptroller.
Section 14 nuthorises the chancellors of the Universities of Oxiord and Cambridge to appoint and remove inspectors of corn returns for the said citynad town.
Section 15 enacts that no person dealing in corn, dlour, or malt be appointel ins, ector or deputyinspector of corn returns for the cities of London or Oxforl, ar town of Cambridge.
Section 16 enacts that the appointments of inspectors for London, Oxford, and Cambridge be enrolled.
Dealers in Corn in and near London to deliver in a Declaration to the Lord Mayor \&e.-Every person carrying on trade or business in the city of London, or within 5 wiles from the Royal Exclange in the said city, as a corn factor, or as an agent employed in the sale of British corn, and every person who shall sell any British corn within the Corn Excliange in Mark Lane in the said city, or within any other building or place which is or may hereatter be used within the city of London, or within 5 miles from the Royal Exchange in the said city, for such and the like purposes for which the said Corn Exchange in Mark Lane hath been and is used, shall, before he or they shall carry on such trale or business, or sell any corn in mamer aforesaid, make and deliver to the Lord Mayor, or one of the aldermen of the city of London, a declaration in the follewing words ; (that is to sny;)
'I A. I. do declare that the returns to be by me made, confurmnbly to an Act passell in the fifth year of the reign of her Mnjesty Queen Victoria, intituled [ here set forth the title of this $A c t$ ]. of the quantities and prices of British corn which henceforth shnll be ly or for me sold or delivercl, shall, to the best of my knowledge and belicf, contain the whole quantity, and no more, of the corn bonâ tide sold nud delivered by or for me within the periods to which sueh returns respectively shall

## CORN L.IWS AND CORN TRADE

refer, with the prices of such corm, and the names whom suich corn shall have been sohl by ine respectively, and to the best of my judgment the said return shall in all resiects be contormable to the provisions of the said Aet.'

Whieh declaration shall be in writing, and shall be subseribed by the person so making the same: and the Lord Mayor or alderman aforesaid of thes city of Lombon for the time being shall, and is hereby repuired to deliver a certific*e thereof, muder his hand, to the inspector of corn returns for the city of Lomdon, to be by lim registered in a hook to be provided and kejt for that purpose. (Sice. 17.)

Dealers in Corn to make Returus to Corn In-spector.--Every corn tiactor and other jersent as atoresaid who is hereindefore required to make, and who shath have made, such declaration as aforestial, shath, and lie or she is hereby required to return or cause to be returned, on Wiedncestay in eael and every week, to the inspector of corn returns for the city of dondon, an accome in writing. signed with his or her own nane, or the name of his or her arent duly anthorised in that behald, of the quantities of each sort of british eorn by him or her sold during the week ending on and including the next preseding Tuesday, with the prices thereof, and the amomat of every pareel, witlo the total quantity and value ef each sort of corn, and by what measure or weight the same was sold, and the names of the bnyers thereof, and of the persens for and on behalf of whom such corn was sold; and it shall be lawful for any such inspector of corn returns to deliver to any person making or tendering any such returus a notice in writing requiring 'im or hes to declare and set forth therein where and by whom and in what manner any such British corn was delivered to the purchaser or purchasers thereof: and every person to whom any snel notice shall be so deliverel shall, and he or she is hereby required to comply therewith, and to declare and set forth in such his or her return, or in a separate statement in writing, the several particulars aforesaid. (Sce. 18.)
Sec. 19 enacts that the then comptroller, deputycomptroller, and inspectors of corn returns for London, Oxford, and Cambridge continue in oflice, and that the appointments of the other inspectors of returns should cease on the 2tth day of June next after the passing of this Aet.

Sec. 90 enacts that in cities and towns, other than Lundon, Oxford, and Cambridge, officers of excise are to act as corn inspectors, and attend at places appointed.

Sec. 21 emacts that the Commissioners of Lxejse shall make known the place to be appointed for delivering returns of corn purchased.

See. $2 e$ authorises the Commissioners of Treasury to continue, if they think tit, the then inspectors of em retarain in their ofliees.

Dealers in Corn in Cities and Ton'us to make De: chation.-Every person who shall deal in british corn at or within any city or town named in the pretixed list of towns, cxcepting the eity of London, or who shall at or within any buch city or town engase in or earry on the trate or business of a conn fictor, miller, maltster, brewer, or distiller, or who shall be the owner or proprictor, or part owner or proprictor, of any stage coaches, waggons, carts, or other carriages carrying goods or passengers for hire to and frum any such city or town, and cach and every person who, as a merehant, ele-i;, agent or otherwise, shall purchase at any such eity or town any british corn for sale, or for the sale of meal, tour, malt, or bread mate
or t, he made thercof, shall, before he or she what so deal in dritish corn at any such city or tow or shall engate in or carry on any such trade business as aforesaid, or shall purchase aay Ihinis corn for any such purpose as aforesaid, at or withi any such city or town, make and deliver a deel ration in the following words; (that is to say)
${ }^{\prime} 1$ A. 13 . do declare that the returns to be me made, conformably to the Act paseal in th tifth year of the reign of her Majesty Queen Vis toria, intituled [here srt forth the title of this sit of the quantities and prices of British cont whit henceforward shall by or for me be bought, shall to tise best of my knowledge mind belift, contais the whole quantity, and no more, of the lifitis, corn bonâ tide buught for or ly me within the periods to which such returns rexpectively shat refer, with the priees of such com and the nam of the sellers respectively, and to the beat of my judgment the said returns shall in all Iespects conformable to the provisions of the said Aet.
Whieh declaration shall be in writing, and ha be subscribed with the liend of the permon making the same, and shall by him or her, ur his or her agent, be delivered to the mayor chief magistrate, or to some justice of the for such city or town, or for the county, ridins. division in which the same is situate, who hreby required to deliver a certiticate thenof the otlicer of excise acting as inspector of a returns for such city or town as aforesaid, of such continuing jnspector of corn returns as aim said for such city or town (as the ease may to be by such ollicer ar inspector vecristered 3 book to be provided and kept for that purp (Ser. 23.)
Sec. 24 authorises the inspectors of eom return to require the above decluration from com deal Corn Dealers to make Returns in Writing to spectors of the Corn bought by them.-All per who are hereinbefore required to make aud shall have made such dedaration as afore shall, aud they are hereby required, on the market day which shall be holden in each every week within each and every city of 1 named in the said schedule leceunto annt except the city of London, at or within $\pi$ they shall respectively deal in com, we engay or carry on any such trude or business as al said, or purchase any corn for any such pury as aturesaid, to return or cause to be returne the oflicer of excise acting as inspector of ret urns for such city or town, at the place appoth for receiving such returns, or to the auntinu: inspector of corn returns for such city or tom, to the inspector of eom returns iof the dit Oxford, or the town of Cambridse (as the may be), an account in writiag, signed witht names respectively, of the amount of eadh every parcel of cadi respective sort of lritish so by them respectively bought dhring the moling on and inclading the day next prexe such first market day as aforesaid, with the thereef, and by what weight or measure the was so bouglit by them, with the names of sellers of each of the said parels respenti with the names of the persin: or persons it other than the person making such return, on account of whom the sume was so bough sold; and it shall be lawful for any ollicer fo acting as inspector of corn returns, or awe en ing inspector of corn returns as aforesaii, tod to any person making or tendering auy sua turn a notice in writing requiring himi or $h$ declare and set forth where and by whoma what manner any such British corn was dan to, him or her; and every person to whem
sych totice shall she is herely requi $t$ declare and set a is a separate stat rariculars aforesaid haymertor: to enter But we.-The inspe ciry of Lonton, the e timbridge, nud eves ingector of corn re cines and towns atin itrivectur of corn ret nities or towns as afo siryenter in a beok, Eat for that purpose, granties and prices sath prens respective inspectur of corn retur twnis enumerated in whand every week r an returus an accoun sud pries of the severa in the city of Lomelon, ridid he shall be or act the rums so made to hi mas shall be from tit fintell ly the sail con und the said returns sha mapiotler by the finsped aty Londoin on Frida the refuctive inspectors gity of ifford and the to thers;itive oflicers of e of onn rurns, and by tl ingeten ot corn return thernh towns aforesaid. reeh ia any such city or t we. er eracts that ins kitras until they have aso n: making them have gured.
dermepe Prices to be try) Heph-The averase (n, br which the rate at etts shall be recrulated, taputa on 'Thurselay in honing; (that is to say con returns shall on them such retirus a duing the week mext dimpuding the Saturd: Whath teycether the tut Cut british corn respecti, - the thave been sold, a band shall shatl therel, It and shall divide the ens respectively by the the sum cacle sort of 1 hri the sum produced therd timm in like uammer.pre ediately preceding the s. wa sums so adeled shand som thereby siven shall of be agregate averag of British corn resplecti esains duties ; and the saild duties; and the s. publill cause such ouggr Pbblished in the next shall on Thursday in of hritish such ascregrate of hitish corn to the e of the enstoms at cate Linted kiapdom, and the port of Denglas in atcoud amonnt of the d
ad wotice shall be so delivered shall, and he ar | the provisions of this Act shall from time to time he is hereby required to comply therewith, and $t$ dedare and set forth in such his or her return, vin a sparate statement in writing, the several maiculars aforesaid. (Sec. 25.)
Inspectors to enter Retarns made to them in a Bubs.--'lhe inspector of corn retarns for the bur fondon, the city of Oxford, and the town of dinuridere, and every oflicer of excise acting as igrector of corn returns for the several other bies and towns aforesaid, ant evory continuing rispector of coris retums for any of such other cite or towns as aforesaid, shall duly and reguaty enter in a book, to be by him provided and bent for that purpose, the several accounts of the quantites and prices of corn returned to him by adpremas respectively as aforesaid; and every insiectio of corll returns for any of the cities anil wind emmerated in the sand selhedule shall in ash and every week return to the comptroller of areturns an account of the weokly quantities wibues of the several sorts of British corn sold in the city of London, or in the city or town for atid he shall be or art as inspector, accorlines to the returns so made to him as aforesail, and in such -mas shall be from time to time preseribed and Wathe the sail comptroller af corn recurus ned te said returns shall be so made to the stid antroller by the inspector of com returns for the dir dondon on Friday in cach werk, and by betactive inspectors of corn returns fior the itruestord and the town of Cambridge, and by thetratetive officers of excise acting as inspectors of con turns, and by the respective continning inspetse of corn returns for the several other citios and towns aforesail, within three days mext tferthe first market day holden in each and every reek iil any such city or town. (Sec. 26.)
 turas until they have ascertained that the fern: making them have taken the declaration pipured.
Aterage Prices to be made up and published rety if ehh-'l'he average prices of all British oni by which the rate and :monnt oi the said atis. shall te regulated, shiall be made up and mated on Tharsday in cach week, in manner Whang; (that is to say.) the said comptroller cona returns shall on such Thursday in each the from such returus as shall be receiven by mduing the week next preceling, ending on dimeduding the Saturday in such precediner cek, add together the total gumatios of eweh ruf British corn respectively apmearing by such arns to bave been sold, and the total prices for tid the same shati thereby opmear to have been H, and shall divide the amoment of such total Ws regnectively by the amonnt of such total mities of cach sori of British corn respectively, athe sum prodaced thereby shatl be added to Enus in like maner.produced in the 5 wredis mdiately preceding the same, and the amoment whamis so adtled shatl be divided by th, ame fun thereby wiven shall be elemed and taken the ageregate average price of each such of Britivh corn respectively, for the purpose vulating and ascertainine the rate and amount esaid daties; and the said comptroller of corn mis shall cause such argregate weekly averages published in the next sueceeding (iazette. suall on Thursday in cach week transmit a bibate of such aggregate average prices of eall of British corn to the cullector or other chiel atif the customs at cach of the several ports tef nited kiagdom, and to the said finctiona the port of Douglas in the Isle of Man; and rate and amount of the duties to be paid under
be rerulated aul rowerued at each of the ports of the United Kingtom by the aggregate average prices of British corm at the time of the entry for home consumption of any corn, grain, meal, or flour chargeable with any such duty, as such argregate average priees shall appear and be stated in the last of such certiticates received by the collector or other chicf officer of customs at such purt. (Sec. 28.)

How (Quntities of Corn ars to be computed.-In the returיs to be made as aforesaid to the comptroller of corn returns, and in the puolications: to be made from time to time in the London tiazette, and in the certiticate to be transmitted by the said comptroller of corn returns to collectors or other chict officers of enstoms, the quantities of each sort of British corn respectively shall be computed and set forth by, according. ausl with reference to the imprerial standard gallom, as the satae is declared and established by the Act 5 tieo. IV. e. 7t, amended or altered by the Aet ${ }^{6}$ Geo. IV.e. $1^{2}$, and by the Act 5 \& $6 \mathbf{W m}$. IV. c. 63. (Sce. 29.)

Until suffieiont Number of Returns are made, Comptroller may use the present Averayes.-Until a sutlicient munber of weekly returns have been received hy the said comptroller of corn returns under this Aet to afford such aggregate average prices of british corn as aforestit, the weekly average prices of British corn published by him immediately before the passing of this Act shall be used and reforred to in making such caleulations as aforesaid, in sueh manucr as if the same had been made up and taken under this Aet. (Sic, 30.)

What shatl be deemed Britssh Corn.-All corn or grain the produce of the United Kingedom shat be deened and taken to be British corn for the 1urposes of this Act. (Sec. 31.)
Any Corn Returns beliceed froululent may be omitted in the Computation.-It the said comptroller of com returns shall at any time see canse to believe that any return made to any inspector of conn returns is fraudulent or untrue, the said comptroller is hercby required, with all convenient exledition, to lay before the Lords of the Committee of l'rivy Council (for Trade) a statement of the gromuls of such his belief; and if upon consiteration of any such statement the said Lords of said Committee shall direct the comptroller to omit any such return in the computation co such agese gate weekly average price, then and in that case, hat not otherwise, the said comptroller of eonn returns shall be authorised to omit sueh return in the computation of such aggregate weekly aserage price. (Sice. 3-2.)
S.e. 83 enacts that com dealers havius nate the declaration previons to this Act shalif tramsmit returns, and comply with the riles hereby reguizal.

Comptroller to issue Direetions respecting the Jnsppertion of Books of Inspectors.-The comptroller of corn returns is hereby authorised from time to time. in pursuance of any instructions which be shall receive in that belail from the Lorts of the Committee of l'rivy Council (for 'Trade), to issue to the insurctors of corn returns for the city of Londen, the city of Oxforl, and the town of Cambridge respectively, any general or special direetions respecting the inspection by any person or persons of the books so direeted as aforesaid to be kept by such inspector of corn returns; and no such inspeetors for the city of London, the city of Oxtord, or the fown of Cambridge shall permit or sufler any person to inspect any such book, or to peruse or transcribe any entry therein, execpt in compliance with some such general or special di-
rections from the said comptroller of corn returns. (Sec. 3.1.)
Copy of last Return to be affived on Murket I'lare on rach Murket Duy.-The inspector of corn returns for every city or town other than the eity of London shall and is hereby required, on each and every market alay, to put up or cause to be put up in the market place of the city or town ior which he shall net as inspector, or if there shall be no market place, then in some other conspicuous place therein near to where the corn market is usually hedd, a copy of the last return made by him to the comptroller of corn returns, omitting the names of the parties who may have sold and bought the said corn; and every such officer or inspector shall ulso again put up such necount on the market day immediately following that on which it shall lirst have been put up, in case the snme shall from accident or any other canse have been removed, and whall take due care that the same shall remain up for public inspection until a new account for the ensuing week shall have been prepared and set up (Sce. 35.)
Secs, $36,37,38$ relate to the payment of comptrollers and inspectors.

Sec. 39 imposes a penalty on corn dealers who do not make deelarations or returns.

See. 40 relates to tho recovery nid application of penalties.

Secs. 41, 42 relate to the penalties to be imposed on wituesses for non-nttendance, and the punishment to be inflicted on thoso who make filse returns.

Sec. 43 declares that the Act shall not affect the practice of measuring or privileges of the city of London.

Substitution of Wheat Flour or Biscuit for bonded Wheat.-Our readers are, no doubt, generally aware that of late years efforts were occasionally made in the House of Commons to get n law enacted anthorising the delivery of bonded wheat from the warehouse, on the substitution in its stead of a proportional quantity of wheat ilour or bisenit. But this proposal encountered the hostility of the more zcalous partisans of the corn laws, principally on the alleged ground that it would open a door to fraud, and lead to the clandestine introduction of large quanities of foreigu whent. In the course, however, of 1812, the project was again introduced by Mr. Gladstone, and, having been supported by Government, was passed into a law, $5 \& 6$ Vict. c. 92. It enabled millers, bakers, and others in this country to take advantage of such openings in the home and foreign markets as may offer for the manufacture mat sale of flour and biscuit, and to make such changes in the nature of their stocks as may be thought most advantageous. There do not scem to be any very good grounds for thinking that it affordet nny considerable facilities for the cemmission of frant by the introluction of wheat withont a countervniliag deposit of flour ; but supposing it did, no one was injured by such intre? !uction. We subjoin an abstrect of the Act now referred to.

Warehoused Wheat to be delivered Duty free upon substituting an equiralent Quantity of W’heat Flour or Biscuit.-Whereas it will be of ndvantage to the trade and commerce of the country that wheat may be delivered duty-free from the warehouse or from the vessel, upon the deposit in the warehouse, or due exportation thereirom, of ant equivalent quantity of wheat flour avd biscuit: bo it therefore enacted, that it shall be lawful for the principal officer of eustoms having charge of any warchouse in which wheat may be warehoused without payment of duty upon the first entry thereof, to deliver any quantity thereof

Ilaty-freo upon there being deposited in warehouse in lieu thereof tine whent tlour or biscuit, as unter :-
For every 96 lbs . of kiln-tried wheat, or for every 100 lbs. of wheat not being kiln-driel, nut less than 78 lbs. of fine wheat tlour, or tis lbs, of captnin's biscuit, or 80 lbs. of bisenit of the standard of the biscuit supplied to her Majesty's naty or 118 lbs. of common ship's bisenit - and so proportion for any less guantity than 96 lla kiln-dried whent, or 100 lbs, of wheat not kiln dried; such floיrr or biscuit having been manafactured in the United Kingdom, or such flour having been duly imported and the duty thereon having been paid. (Sec. 1.)
Sec. 2 enncts that fine wheat flour and biscuit may be deposited in warehouse, nud certificate of such deposit granted, to entitle the honder to an equivnlent quantity of warchoned wheat laty-free any time within six weeks of the dat thercof.
Sec. 3 enncts that persons making deposits of flour and biscuit be entitled to haye equivalent quantities of whent entered duty-free from the vessel.
Sec. 4 orders that three days' notice in writing be given to the collector of the quantity of wheal required to be delivered from the warchouse and of the day of delivery.
Sec. 5 orders that no wheat shall be delivere Thity-free mintil the substituted article has be leposited and the certiticate duly examined.
Sec. 6 enacts that substituted flour and b cait shall be subject to the warehousing laws, $b$ shall not be taken out for home consumption. The relative values of wheat, barley, and oa are found to subsist with slight variatio through a long period of years. Thus duringth 13th and 14th centuries the prices of barles an onts, wheat being taken at 100, are represent by the numbers 33.14 and $42 \cdot 0.0$ respectivel: the ten years ending with 1864 , the sane numb being taken for whent, the relative quantities .0 and 4505 .
In the following tables of the price of whe Se., the first table gives the prices of whent the ancient Winchester bushel, as found in work of Mr. Iogers On Agricultare and Price England, between $1: 09$ and 1400 .

## I. Priees of What per Wiachester Bushel.

| cir | Price | Sear | Price | car |  | Year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1253 |  | 1293 | $\begin{array}{ll} 2 \cdot & d . \\ 6 \end{array}$ | 1,331 | ${ }_{7}{ }^{\text {f }}$ |  |
|  | ${ }_{4}^{4} 9$ | 1296 |  | 1332 |  | ${ }^{15} 56$ |
| ${ }_{1262}^{246}$ | ${ }_{6}{ }^{6}$ | ${ }_{1}^{1297}$ | 5 | ${ }_{1334}^{1333}$ |  | ${ }_{1}^{1569}$ |
| 12 | 3 111 | 1299 | ${ }^{6} 18$ | 13.3 |  | 1350 |
| 1246 | $3{ }^{3}$ | 1301 | ${ }^{5} 9$ | 1337 |  | 13:1 |
| 146 | 4 5 | 1302 | 414 | 139 |  | 3 |
| 126 | 5 5 | $\underset{\substack{1303 \\ 1301}}{120}$ | ${ }_{5}^{4}$ | ${ }_{13}^{139}$ |  | 33 |
| 126 |  | 1.305 | 410 | 1311 |  | 13 |
| ${ }_{1271}$ | ${ }_{6}^{6} 1410$ | ${ }_{1} 1.307$ | 36 | ${ }_{134} 1.3$ |  | 13: |
|  | 6 | 13048 | $6_{6} 11$ | 13.1 |  | 13:9 |
| 129 | , | ${ }_{1310} 1310$ |  | ${ }^{13156}$ | ${ }_{6} 310$ | 边 |
| 19 |  | 1311 |  | 1.517 | 67 | , |
| 1278 | ${ }_{5}^{6}$ | 1312 | ${ }_{5}^{4} 11$ | ${ }_{13}^{1314}$ | ${ }_{5}$ | 891 |
| 号 |  | 1311 | 8 8. | 13.36 |  | , 5 |
| ${ }_{12406}$ | 411 | 1315 | 1511 | 13\% |  | ${ }_{7}$ |
| $1 \begin{aligned} & 1241 \\ & 1242\end{aligned}$ | ${ }^{6}$ | ${ }_{131} 13$ |  | ${ }_{1} 1313$ |  | \% |
| 12 | ${ }_{6} 111$ | ${ }_{1319}$ | ${ }_{5}{ }^{\text {S }}$ | 13 |  | 1.39 |
| 1241 | 41 | 1340 | ${ }^{6} 5$ | ${ }_{1} 1356$ |  | ${ }^{1354}$ |
| ${ }_{1285}^{128}$ | ${ }_{4}{ }^{4} 9$ | ${ }^{1} 1321$ | ${ }_{8}^{1} 17$ | ${ }_{1}^{1358}$ |  | 15992 |
| 124 |  | 1323 |  | $\underline{1} 75$ |  | 1,9, |
| 12 |  | 1325 |  | - 3661 | ${ }_{5}^{6} 4$. | ${ }_{1396}$ |
| 1290 1291 | ${ }^{6} 58$ |  | $3{ }^{3} 1{ }^{3}$ | $\xrightarrow{1364}$ |  | ${ }_{\substack{139 \% \\ 139 \%}}$ |
|  |  |  |  | cisk |  | 1399 |
| 191 | 9318 | ${ }_{13,0}$ |  | 1363 |  | 100 |

The second table $c$
ir the Winehester Ib first portion, from tsed from the Oxfor

In decomt of the Prit tuined by the Al


Whis ear inclisive the account

curacy of the returus in forever, be so implieitly hamove. be so implieitly
Bishop Fleetwor
Quantities of Iheat and I

The second table contains the price of wheat the last portion from the andit books of Fton; the Winehester bushel fr- 1582 to 1826 , the Wimisor bushel of nine gallons in the original ine firt portion, from 1582 to 16.15 inelusive, is being reduced to that of Winchester, containing taxa from the Oxford Hegister of Coru Prices, eight.
, deonnt of the Prices of Middliny or Mealing Whent per Quarter, at Windsor Murket, as ascer tuined by the Audit-bowks of E:Eon Collegr, redured to Winthester Bushels of 8 Gallons.


Pm this ear inclusive the account at Eton College has been kept according to the bushel of $\mathbf{8}$ gallons, under the provisions of the
fivi $111 . c_{1} 30 \leq 82$
Whaccount of priees commenced in 1595: Pden have collected with great industry almost waracy of the returns in the first years can- all the existing information respecting the state boverer, be so implicitly relied on as those of prices in Lugland during the last six. ? ? $u$ uldred above. Bishop Fleetwood and Sir F. M. years.

Quatities of Wheat and Wheat Meal aud Flour Imported into the United Kingdom in the Seven Years ending wilh 186ī.


* 1 cwt . of wheat llour= $=1 \frac{1}{8} \mathrm{cw}$. of wheat $\ln$ grain.
IV. Account of the Averatg Prives of Briti, , Wheat, Barliy, amel Oats, per Inpperial Quarter, England and W'ales since $177 \overline{5}$, us asiertained hy the Heceiver of Corn Returas.

| Years | Wheat | llarley | Onis | Year* | Wheat | 1larley | 6 ats |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1775 | $\begin{array}{llll}8 & 4 & 4 \\ 2 & 4 \\ 9 & 10\end{array}$ |  |  | 1822 | $\begin{array}{llll}4 \\ 4 & 4 & \\ 4\end{array}$ | ${ }_{1}^{*}{ }_{1}{ }_{1}{ }^{\text {d }}$ | ${ }_{6}$ A |
| 17\%6 | 2 9 <br> 1 19 | 10 | 0 O 15 | 1823 | 2134 | 1116 | 18 |
| 1777 | $\begin{array}{lllll}2 & 6 & 11\end{array}$ | 11 | 0161 | $1 \times 21$ | $3{ }^{2} 311$ | 1164 | 1 it |
| 174 | 233 | $1{ }^{1} 34$ | 11157 | 1428 | $3{ }^{3} 18$ | 2010 | 13 |
| 179 | 1118 | $1{ }_{1}^{1} 101$ | 10115 | ${ }^{1 \times 26}$ | 218 | 1114 | 1 , |
| 179\% | 1169 | 1176 | 01.5 | $1 \times 27$ | $218 \%$ | ${ }_{1}^{1} 17{ }^{7}$ | 1 * |
| $17 \times 1$ | 2 6 10 <br> 2 6  | 0178 | $\begin{array}{llll}0 & 11 \\ 0 & 15 & 7\end{array}$ | $\xrightarrow{18.28}$ | $\begin{array}{llll}3 & 0 & 6 \\ 3 & 6 & 3\end{array}$ | 11210 | 18 |
| ${ }_{178}^{1782}$ | $\begin{array}{llll}2 & 9 \\ 2 & 11 & 3 \\ \\ 2 & & \end{array}$ | $\begin{array}{llll}1 & 3 & 2 \\ 1 & 11 & 3\end{array}$ | $\begin{array}{llll}4 & 15 & 7 \\ 1 & 0 & 5\end{array}$ | 1829 18.30 | $\begin{array}{llll}3 & 6 & 3 \\ 3 & 1 & 3\end{array}$ | $\begin{array}{ll}1 & 12 \\ 1 & 12 \\ 1 & 12 \\ 7\end{array}$ | 12 1 1 1 |
| $17 \times 1$ | $\pm 111$ | 188 | () 1410 | 1531 | ${ }_{3}^{3}$ F6 4 | 1180 | 15 |
| 17.5 | 231 | $1{ }^{1} 9$ | 0178 | 1832 | ${ }_{2}^{218}$ | 1131 | $1{ }^{11}$ |
| 1781 | 400 | $1{ }^{1} 51$ | ${ }^{0} 186$ | 18.33 | 21.211 | $1{ }^{1} 76$ | (1) 14.5 |
| 1787 | $2{ }^{2} 23$ | 134 | ${ }_{0} 178$ | 1871 |  | $1{ }^{1} 980$ | 1111 |
| 1788 | \% 6 | $\begin{array}{lll}1 \\ 1 & 4 & 8 \\ 1 & \\ 1\end{array}$ | 6 0 0 168 | ${ }_{16.36}^{1835}$ | $\begin{array}{llll}1 & 19 & 4 \\ 4 & 1 & 8\end{array}$ | $\begin{array}{llll}1 & 9 & 11 \\ 1 & 12 & 11\end{array}$ |  |
| 1789 1794 | 2 12  <br> 2 14 9 | $\begin{array}{llll}1 & 3 & 6 \\ 1 & 6 & 3\end{array}$ | $\begin{array}{llll}0 & 11 \\ 0 & 19 \\ 0 & 5\end{array}$ | 18.36 18.37 |  | $\begin{array}{llll}1 & 12 & 11 \\ 1 & 10\end{array}$ | $\begin{array}{ll}1 & 5 \\ 1 & 3\end{array}$ |
| 1791 | $2 \times 7$ | 1610 | 0141 | 18.34 | 347 | 1115 | 125 |
| 1792 | 230 |  | ${ }_{0}^{0} 169$ | 1839 | $310 \times$ | 1196 | 1311 |
| 1793 | $\begin{array}{llll}2 & 9 & 3\end{array}$ | 1111 | 106 | 1819 | 364 | 116 | 13 |
| 129: | 2123 | 1119 | 13 | 1841 | 344 | 11210 | 123 |
| 129 | 315 | 1175 | 1.15 | 1812 | 2173 | ${ }^{1} 7{ }^{7}{ }_{6}$ | 0193 |
| 1796 | 318 | 1154 | $1{ }_{1}^{1} 1010$ | 1813 | ${ }^{2} 1010$ | 19 | 0 14, |
| \%\%9\% | 2 13 <br> 18  | $1{ }^{1} 708$ | $\begin{array}{lll}1 & 16 & 3 \\ 0 & 19 & 5\end{array}$ | 1515 | $2{ }_{2} 1010$ | 113 \% |  |
| 1799 | 3.90 | 1162 | 176 | $1 \times 115$ | 2148 | 112 | 13. |
| 1409 | 51310 | 21916 | 1194 | 1817 | 3.96 | 242 | 1 k |
| 1801 | 5196 | $3{ }^{3} 86$ | 1170 | 18.48 | $2{ }^{2} 106$ | 1119 | 1 1) if |
| ${ }_{\substack{1802 \\ 1803}}$ | $\begin{array}{lll}3 & 9 & 10 \\ 2 & 18 & 10\end{array}$ | 1138 | $\begin{array}{lll}1 & 1 \\ 1 & 4 \\ 1\end{array}$ | 1819 | $\begin{array}{llll}2 & 4 & 3 \\ 4 & 0 & 3\end{array}$ | $\begin{array}{llll}1 & 7 & 9 \\ 1 & 3 & 5\end{array}$ |  |
| ${ }^{1802}$ | [10 | $\begin{array}{llll}1 & 5 & \\ 1 & 11\end{array}$ | $\begin{array}{llll}1 & 1 & 6 \\ 1 & 4 & 3\end{array}$ | 18.50 1851 | $\begin{array}{llll}2 & 0 & 3 \\ 1 & 18 & 6\end{array}$ | $\begin{array}{llll}1 & 3 & 5 \\ 1 & 4 & 9\end{array}$ |  |
| $1 \times 0.5$ | 4.9. | 246 | 181 | 18.52 | 209 | 18 | 1014 |
| 1806 | 3191 | 118 | 17 | 18.5 | 4313 | $1 \begin{array}{lll}1 & 13 & 29\end{array}$ | 1110 |
| ${ }_{1} 8187$ | 31.54 | 119 | 1 1 1 13 | 18.51 | $\begin{array}{lll}3 & 12 \\ 3 & 11 & 5\end{array}$ |  |  |
| 1819 $1 \times 19$ 1819 | $\begin{array}{llll}4 & 1 & 4 \\ 4 & 17 & 1\end{array}$ | 2711 | $\begin{array}{lll}1 & 13 \\ 1 & 11 & 5\end{array}$ | 18.55 <br> 18.56 <br> 1859 | $\begin{array}{llll}3 & 11 & 5 \\ 3 & 9 & 4 \\ 4 & 1\end{array}$ | $\begin{array}{ccc}1 & 14 & 9 \\ 20 & 1 & 1\end{array}$ | $\begin{array}{lll}1 & 3 \\ 1 & 5\end{array}$ |
| $1 \times 10$ | 3 6 | 281 | 187 | $1 \times 57$ | 2164 | $4{ }^{2} 12$ | 15 |
| 1811 | 415 \% | 243 | $1{ }^{1} 77$ | 18.8 | $2{ }^{2} 4$ | 1118 | 111 |
| ${ }_{1812}$ | 6 6 6 <br>  9  | 7\% | ${ }^{2} 14{ }^{1} 18$ | 1599 | $\begin{array}{llll}2 \\ 2 & 3 \\ 4 & 13\end{array}$ | 1 1 15 | 13 \% |
| 1813 | $5{ }^{8} 9$ ? | 218 | 1146 | ${ }^{1560}$ | $2{ }^{2} 135$ | 1167 | 11 i |
| 1811 | 31.4 | ${ }_{1}^{1} 17{ }^{17}$ |  | 1561 |  | 1161 | 13. |
| 181.9 $1 \times 16$ | $\begin{array}{llll}3 & 4 & 7 \\ 5 & 18 & 4 \\ i\end{array}$ | $\begin{array}{llll}1 & 10 \\ 1 & 13 & 3 \\ 1\end{array}$ | 1 1 1 | ${ }_{1}^{1 \times 68}$ | $\begin{array}{llll}2 & 15 & 5 \\ 2 & 4 & 9\end{array}$ | $\begin{array}{llll}1 & 1 & 5 & 1 \\ 1 & 13 & 11\end{array}$ | $\begin{array}{ll}1 \\ 1 & 1 \\ 1 & 1 \\ 1\end{array}$ |
| 1817 | 41611 | 231 | 1125 | 1861 | 20 | 1911 | 111 |
| 1414 | $4{ }^{6}$ | 21310 | 112 | $1 \times 65$ | $\begin{array}{llll}2 & 1 & 10 \\ 4 & 0 & 11\end{array}$ | $1{ }^{1} 99$ | 11 1m |
| 1819 | 3118 | $\begin{array}{llll}2 & 5 \\ 1 & 10\end{array}$ | 18 | ${ }_{1865} 86$ | $\begin{array}{llll}2 & 0 & 11 \\ 3 & & 5\end{array}$ | 1175 | 11 i |
| 1424 $1 \times 21$ | $\begin{array}{llll}3 & 7 & 10 \\ 24 & 16\end{array}$ | $\begin{array}{ccc}1 & 13 & 11 \\ 1 & 6\end{array}$ |  | 1867 | 315 | 200 | 160 |


V. Account of the Quantities of Grain, Flour, Meal, ant Malt of Irish Grouth, anmually impor into Great Britain from Ireland, from 181.4 to 1866, both inclusite.

| Sear | Wheat and Wheat Flour | Barley. Incluching 1lear or 13 ligg |
| :---: | :---: | :---: |
| 1814 |  |  |
| 1815 | 399,519 | 27,10\% |
| $1 \times 16$ | 121,131 | 62,221 |
| 1817 | 63,481 | 26,76i6 |
| $1 \times 18$ | 105,179 | 25,387 |
| $1 \times 19$ | 153,450) | 20,31] |
| 1529 | +103,407 | 87,1096 |
| 1821 | 569,700 | $82,8 \times 1$ |
| $1{ }^{122}$ | 463, 1101 | 22,532 |
| $1 \times 23$ | $418 \mathrm{H}, \mathrm{0f6}$ | 11,274 |
| 18\% | 356,384 | 41,699 |
| 1825 | 396,018 | 154,256 |
| 1826 | 311.851 | (4i, $\mathrm{N} \times 5$ |
| 1827 | 4 (1) 5,25 \% | 67,791 |
| 1825 | (6.52,.is4 | 81,201 |
| 1829 | 619,017 | 97,140 |
| 1831 | 529,717 | 189, 15 |
| 1831 | 557,198 | 18.5, 109 |
| 1832 | 790,293 | 123,6.59 |
| 18.33 | 811,211 | 101,767 |
| $1 \times 31$ | 79,505 | 217, \%55 |
| 18.3.7 | (i61,776 | 156,24\% |
| $1 \times 36$ | 698,757 | 184,15t |
| $1 \times 37$ | $5.14,14.5$ | 187,173 |
| $1 \times 3 \%$ | 512,583 | 1:6,467 |
| 18.59 | 254,331 | 61,676 |
| 1540 | 174,439 | 95,951 |
| 1811 | 218,704 | 75,568 |
| 1812 | 2111,998 | 60, 297 |
| 1813 | 413,466 | 110,449 |
| 1811 | 411,152 | 93,636 |
| 1815 1846 | 70,113 395,462 | 93,119.5 |
| 1846 1817 | 395,462 | 92,851 |
| 1518 | 301,473 | 79,885 |
| 1819 | 231,659 | 46,401) |
| 1850 | 176,566 | 40,779 |
| 18.51 | 9.5,116 | 44,479 |
| 1852 | 36,166 | 107,1.55 |
| 1853 | 71,197 | 121,942 |
| 1851 | 138,159 | 81,2.39 |
| 185.5 | 171,030 | 58,628 |
| 18.56 | 196,563 | 74,080 |
| 1857 | 183,331 | - |
| 18.58 1859 | 163,693 153,976 | 61,978 |
|  | cwts. | cwis. |
| 1860 | 374,4×6 | 22.5,351 |
| 1861 | 475,983 | 166,090 |
| 1868 | 319,143 244,213 | 2410,309 274,1067 |
| 186.4 | 156,37\% | 150,211 |
| 18 fr 5 | 189,063 | 221,160 |
| 1860 | 169,974 | 130,846 |


| Oats and Oatmeal |
| :---: |
| Sticiolo |
| 597,357 |
| $6 \times 3,714$ |
| 611.117 |
| 1,1690,35 |
| 78.9 , 61.3 |
| - 916,261 |
| 1,162,219 |
| 1,102, $1 \mathrm{~N}_{7}$ |
| 1,202,045 |
| 1,629,nis |
| 1,743,731 |
| 1,313,267 |
| 2, 1030,631 |
| 1,673,628 |
| 1,41,252 |
| 1,1655,201 |
| 2,051,567 |
| 1,764 ${ }^{5} 20$ |
| 1,769,50] |
| 1,822,-367 |
| 2,132,138 |
| 2,274,67,5 |
| 2,744,807 |
| 1,901,933 |
| 2,037, $\times 33$ |
| 2,539,380 |
| 2,261,435 |
| 2,648,032 |
| 2,242,318 |
| 2,353,985 |
| 1,311,592 |
| 7103,165 |
| 1,516,568 |
| 1,123,469 |
| 1,075,368 |
| 1,111,976 |
| 1,690,313 |
| 1,542,579 |
| 1,818,169 |
| 1,961,655 |
| 1,9114,355 |
| 1,724,438 |
| 1,510,594 |
| 1,256,636 |
| ${ }_{4}^{\text {cwis. }}$ |
| 4,360,106 |
| 3,431,227 |
| 3,447,681 |
| 5,925, 120 |
| 4, $4,563,80.9$ |


$\square$
ni．Acrount of the Quantities of Fureign and Cimmial Whurt ant Whent Fhour，Burley and Barley Meal，and Oats and Oatmeal lmportend into the Unitel Kiagsom，Re－ecpurted，and retaineal jir Cunsumption in ruch Y＇ar from 1800，in Imprerial Quurters，dourn to 1stiti．

|  |  | What sc． |  | Marley Ac． |  |  | Oat sc． |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | 1 mpens | Me．Exports |  | 1 mpurs | Re．Exprorts |  | 1 Impors | 2e．Expmin |  |
|  | 1，2，16 |  | $\stackrel{\text { qn．}}{ }$ | His， |  | IVs． | ， | （m） | $\cdots$ |
| cin |  | 17， |  | \％ 118,032 | 1 |  |  | 2， |  |
| 边 |  |  |  | ¢， | \％ |  |  | 为， |  |
| ， | （\％37， | cism， |  | 27， | ${ }_{\substack{2,684 \\ 3}}^{2}$ |  | － | －i，0 |  |
| \％is） | ${ }^{3675}$ | \％ |  | ， | $21^{3}$ |  | \％ | T，119 |  |
| ， |  |  |  |  | ${ }_{\substack{1,661}}^{1,614}$ |  |  | ${ }_{8}^{11,51}$ |  |
| 路 | cois |  | － |  | cisk | こ | $\underset{\substack{11,1636 \\ 14,719}}{\substack{19}}$ | cin |  |
| ${ }^{1 \times 14}$ | ${ }_{5}$ | ${ }_{23,163}$ | 622， 036 |  | 8，920 | 26，648 | ， |  |  |
| 吅15 | （int | cien | 隹 | 边 | －1，120 |  | 边 | －${ }^{996}$ | com |
| W， 1,16 | $\xrightarrow{\text { a }}$ |  | （ita |  | 3，9312 | （14．⿹187 | come |  |  |
| 14．4 | － | 边 | ， | 边 | 3，${ }^{2}$ | 365063 | \％ | $2,17 i$ | 退 |
| $1 \times 1$ | 3， |  | 31，27，9 |  | 旡， |  | － | －3， 3,687 | 7zi， 114 |
| ${ }^{1 / 2}$ | 43,176 |  |  |  | ${ }_{5}^{5,12}$ |  | Sis， | 11， 1,134 |  |
| 19 | 82\％ | cis | \％ |  | ${ }^{2}$ |  | \％ 484,121 | S12， | cincin |
| ，189 | 376， |  |  | \％ | － |  |  | ， | ， |
| ， | \％ | $\frac{71,174}{72,78}$ | （ | ${ }_{\text {che }}$ | 4，177 | 210， | cincin |  | ， 11,761 |
| 溷 | ， | ， | ， |  | ， | Sisk | cill |  | － |
|  | ， 17.17 |  | － 3 3，5； 3 | （15， | ${ }_{\text {7 }}$ |  | ， |  | 3， |
|  |  |  | 6 | cosk | come | 10， | 17\％，126 |  |  |
|  | 边 |  |  | ${ }_{8}^{88} 8$ | cosk | \％ |  | cois | \％ 96,994 |
| 18 | ，mix | come |  | cheren | （10， 617 | ， | cish， | 3m； | ${ }^{3}$ |
| ， |  | com |  | ciel | ${ }_{2}$ | cis |  |  | come |
|  |  |  |  | cin | － | cosk |  | 边 |  |
| 路 | \％ | comy |  |  | ＋int | （ | cisk |  | 2ib， |
| cis | ， 1 |  | － |  |  | （ent | ${ }^{\text {\％}}$ | － |  |
|  | ， | （is， |  | ， $716,6,2623$ | 15，37\％ | \％ |  |  | ， $1,788.122$ |
| ， | ， | － |  | ， | －${ }^{\circ}$ |  |  | $\cdots$ | 边 |
|  | cincient | こ |  | come | 三 | ciol | ， |  |  |
|  | ， |  | （ |  | － 30 |  | ， |  | ， |
| ${ }^{19}$ | 4，nizi， | cinti， | ， | 319，3is | $\underline{\square}$ | ， | ， |  |  |
| 1153 |  | － | （i， | 4，7\％1， | 二 | ， $1,7,6,5$ | ， | － | ， |
| 190 | cisk | cilichen | come | ， | － |  |  |  | ， |
| ixic |  | （\％，058 | \％，80，996 | 边 | － | （ | ${ }^{2}$ | － |  |
| Lixs | － 1 |  |  |  | － | ， | $\frac{1}{2,36242}$ | Z |  |
|  |  | ${ }_{\text {ckiticis }}$ | 27，${ }^{\text {chisi，}}$ |  |  | 4，cwisw | 5，5663， |  | ${ }_{5} 5$ |
|  |  | 488，1166 |  |  |  | 隹， | ， |  |  |

MII，An Account of the Quantities of Wheat and Wheat－flour，Barley，Oats，Beans，Peas，and Maize． specifying the Countries from which thry eere brought，the Quwntities（in Crets．）imported during $1860^{j}$ from each Country，and the Average Price per Cwt．of each．


CORN LAWS AND CORN TRADE
IV. Fheign Corn Trade.

Polisk Corn Trude.-Dantzic has hitherto suphied us with large quantities of the finest wheat: and as it will most protaibly eontinue to in time to the principml somres of our ascertain the cost of come, it is of importance to ascre expense of its wheat in that emporimm, importation into thas comitryected by Mr. Jacabia According to the data collected Corn Trade of his Report on the Agricultare ardiary price of wheat the North of Europe, the ordinary prount to about at lontzic free on board wonld abs : 40s. per quarter, made up as follows- per quarer
in Dantzic was no less than 67 s. $8 d$. per fuarer. But it is to be observed that scarcity and hish powerfully influenced by the scarcity and by the brice in this country the war threw in the way of obstructions which the war the conveyance of corit to agriculture, and of the conven whent at this great Dantzic. But the priees 1819 been subject to any emporium have not since such disturbing inlluences, of corn have enjoyed Dantzic draws her supples tranquility during the an all but uninterryph though during some of last 40 or 50 years; and harre importations, wo these years we lave made haway a sincte bushe have not, in others, bronghe ave prices of the perion of corn; so that he below may be taken as pretty of 11 years stated ang the prices of corn in bantaic eorreetly represeriang thoport is rather under in scasons.
me
Account exhibiting the Lowest, the Mighest, and the Average Priccs of Wheat in Dastzir, in Sterling Money, per Imperial Quarter, int tach of the Liteven Years of the ,
Sow, if to this we add 7 s . or 16 s . per quarter the expense of importing the importer, it is plain including the pront of the Mr. Jacob's estimate that it could not, nearly accurate, be sold in of the cost to be for less than 47 s. or 50 . per London, free of duty, for less the cost of
quarter. It has, no donbic is overrated in the above or no wheat in and in seasons when there is allegation is demand for corn from auroad, his estimate is not dertainly well founded. But but to those when certant to apply to such years, bin demand; and meant to ame considerable foreign found, though there is somis is the case, it will be fous the cost whenever this is the which go to make up the and some of the items result is nearly correct; and may vary, that the resur is grounds for supposing that there are really no good gosons in question, be that corn could, in tor fess than about 408 . per shipped from Dantzic of this statement we quarter. may mention that owing to the deneat in Jamary of 1845 , the average price of wer quarter, and it 18.16, in Warsaw, excech from the consul in that is stated in a despater of the 90 years ending city, that at an an fullows, viz. wheat with 18.5 prices had beell as enarter; barley from 26 bs .6 d . to 30 s . per imp. cheats $8 s$. tid. to 17 s .10 d . to $\because 0 \mathrm{~s}$. (sid. per do. ; andefore, that Mr . 10s. per do. It is plain, theat at Warsaw Jacob's estimate of the cost degree, overstated; is but little, if it be in any deg also is the case is but little, well assured that this also is the expense of conveying it with his estimate of the expen
down the Vistula to Dantzic. Mr. Grade, of Dantzic, , furnse following Table of Committee of 1831 with the that city, free on the average prices of corn in trom 170 to 1820 . board, in decenmal 5 , Ten Fears of the Average Price from Ten to Ten 1 ours of the per different Species of Corn, free on tian.

| Qutrter, |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |

> From

From | 177060 |
| :---: |
| $1780-1799$ |
| $1790=1799$ |
| $1800=1809$ |
| $1810=1819$ |
| gregate average price |

| Wheat | Aye | 3harley | ats |
| :---: | :---: | :---: | :---: |
|  |  | s. d. | A. ${ }^{\text {d }}$ |
| ${ }_{3}^{4} \mathbf{8}$ |  | $\begin{array}{lll}16 & 1 \\ 17 & 11\end{array}$ | $\begin{array}{ll}11 & 1 \\ 12 & 4\end{array}$ |
| 3310 | 24 24 46 |  | 126 |
| 43 <br> 46 <br> 68 <br> 8 | $\begin{array}{ccc}26 & 3 \\ 3 & 10 \\ 31\end{array}$ | 19 29 26 26 | 13 1 <br> 20 4 |
| 64 <br> 654 |  |  |  |
|  | 27 | 2010 | 1310 |


| Vear | Lowest priess per quarter | Highest prices put quarter | Average prices per quarte! |
| :---: | :---: | :---: | :---: |
|  |  |  | , |
|  | ${ }_{41}{ }^{\text {d }}$ i | 516 | \% ${ }^{1}$ |
| 1831 | 412 | 43 32 38 | 30 : |
| 1832 | 285 | 32 11 | $2{ }^{5}$ |
| 183.3 | 251 | $26 \%$ | 汭 ${ }^{3}$ |
| ${ }_{16}^{14.31}$ | 218 |  | (2y |
| (1835 | (1838 | 31 81 <br> 18  | 419 |
| 18.37 |  | 61 61 61 | 4 |
| 18.38 3899 | 319 39 | 62 68 68 | 30 |
| 1811 1811 | $45!$ | 67 |  |
| Averate of 11) | a) 8 | $15 \%$ | $3: 1$ |
| Avars from | (1) |  |  |

$\left.\begin{array}{c}\left.\begin{array}{c}\text { A verace of } \\ \text { years } \\ 15.31 \text { to } \\ \text { INH }\end{array}\right\}\end{array}\right\}$

Account of the Ordinary
me humbred quartera fine high Hab. ver quarier
sund dues, fid. per quarter
 Polic), $24,6.6$.

Sense and duen ex ship, ba. chtrage and landing, 9d. lauary rent and ire insura ming and metape ex prabary, 2f. le iering from \&ranary, 3d. commistion of factorage on sale,
ivl (revere, 1 per cent. (on 55 .)
drount of the Ordinary
me hundreil quarters, suplosed
a the at zs. of. per quarter, an Hewe es ship de., 3s. yer last laturaye and lancing, gu. per many reat and insurance for $u$ funing and trimming, about
Yum
Lhingng from kranary, $3 d$. per
 carmsion on sale, 1h. per quart
Ie ctrdert, 1 per cent. on, oupps
N.11.- l.oss on remea
Freight and hasurance
nothing can be more perfe adith so prevalent in erme cheapness of c troth is, that ne considera Wevived from leer witho and other provinces from The em is thence convey witel to the navigation of the ancertain supply of ommuaication is sonnetin at is alwors yery tedic ruf of this, we may men No, when wheat sold in watte. it was sellingt in on market of Gallicia, mounting to '2(is, 6d., bei st and risk of conveya anize! It is, in fact, qu at any large supplies s watzic, were the shipping t, supposing that we p considerable supplies I hioss it could not be so ft, for less than 45 s, or Brter.
lis difficult to draw any
rould be safe to place in plies of corn that me taie and l'russia gen sare constantly open 1 dacob states that the rears ending with 18 of wheat and rye this surplus may, he as the nearest appro existing materials, maption of the inhabil ary circumstances oce ration.' (Report, p. 49 there can be no d Ir underrated the capal countries traversed
tc. And while our I

Acrount of the Ordinary Charges on 100 Quurters of Wheat imported from Duntzic for Sule on Consignment in Limelon, in May, 1811.


Aconnt of the Ordinary Charges on 100 Quarters of Wheat shipped from Dantzic on Consignment, laneled in London Aug. 1868

v.11,-l.oss on remeavaring not conviderel.
freight and hisurance are taken in this statement at an average, being semetines highet and sometines lewer.
pathinean be more perfectly unfounded than the duty of 1 s., we may, supposing our average prices potins so prevalent in this country as to the errene cleapmess of corn in Dantaic. The Inath is that no considerable quantity of corn can lederised from her without resorting to Gallicia molother provinces from 500 to 700 miles inlani. Theem is thence conveyed to the city in boats putee to the navigation of the rivers: but, owing to the uneertain supply of water in the latter, the ommunication is sonnetimes entirely broken off, mon it is always yery tedious and expensive. In tuof of this, iwe may mention that, in November ksi, whea wheat sold in Dantzic for $41 s$. $6 d$. per parte: it was selling in Lemberg, the principal Wan market of Gallicia, for $15 s$; the difference, mounting to 2 (is. $6 d$., being the measure of the ot and risk of conveyance from Lemberg to antic! It is, in fact, quite nugatory to suppose fat any large supplies should be firmished by anzie, were the shipping price under 30 s . or 40 s . ct, supposing that we could in ondinary yeurs pasiderable supplies for 34 s ., still it is pretty fious it could not be sold in London, with a itt, for less than 45 s . or 47 s ., or perhaps 48 s . per atter.
Itis difficult to draw any conclusions on which rould be safe to place much reliance as to the plies of corn that may be obtained from mitic and Prussia generally, now that our tsare constantly open under a nominal dity. Jacob states that the lengthened period of rears ending with 1825 gives an 'annual it of wheat and rye of $2 \pi 9,79+$ quarters.' (this surplas may, he thinks, be 'fairly conmad as the nearest approach that can be made, existing materials, to what is the usual at of the produce of bread corn above the amption of the inhabitants, when no extraary circumstances oceur to excite or check iration.' (Report, p. 49.)
at there can be no doubt that Mr. Jacob wh underrated the capabilitics of improvement ecountries trawersel by tho Vistula, the de. And while our ports are open with a
not to fall below liss. or jiss. per quarter, safely reckon upon getting from Dantzic an annual supply of from $2 \overline{5} 0,000$ to 350,000 quarters. It should, however, be olserved that Mr. Meek, who visited the north of Europe in the latter part of 18.11 and early in 18.12 , concurs with Mr. Jacob in thinking it improbable that any considerable inerease of exportation would take place from Dantzic under auy monlification of our corn laws. (Parl. Paper No. 7, Sess. 184., p. 31.) It was difficult to believe that such should be the case. Down to a comparatively late period, owing to the thuctuating and capricious nature of our demand, it proved of little adyantage to the Polish cultivators; nor was much corn raised in the expectation of its finding its way to England. Now that our perts are always open, it is quite a different matter. The supply of our markets has become an object of importance to the I'olish agriculturists, who are endeavouring to extend and improve their tillage, and the means of bringing corn to market. At the same time it is right to observe that the stimulus given to l'olish agriculture, and to the tillage of foreign countries generally, by the change in our corn laws, must wholly depend on the extent of our demand ; and if it should, in ordinary seasons, be more limited than is commonly supposed, it will have proportionally less iniluence. We subjoin an
Account exhibiting the Quantities of the different Varieties of Corn and the Quantities of Flour shipped from Dantzic during each of the 7 Years ending with 1810, with the Priecs of Wheat in Dantzic during the same Period.

| Vears | Wheat | ltye | 1larley | Oats | Flour | A verage Price of Wheat |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1831 | ${ }_{71.013}$ | 21,812. | ${ }_{3}^{\text {qrs. }}$ | qras | $\left.\begin{gathered} \text { barrels } \\ 33,36,3 \end{gathered} \right\rvert\,$ |  | $\stackrel{d}{d}$ |
| 183) | 45,1\%9 | 13,8611 | 95 | 2,89N | 28.342 |  | , |
| 1836 | 129, 035 | 70,414 | $7{ }^{7} 317$ | 7,214 | S8, ${ }^{891}$ |  | 11 |
| 1837 | 311,601 |  | 2,757 |  |  |  |  |
| 1835 18.59 | $4.58,4419$ 419.0 .5 | 31,290 131,253 | 2,514 65,919 | 1,2066 | 78,274 | $\begin{array}{ll}8 \\ 8 \\ 2 & 4 \\ 8\end{array}$ | ${ }_{5}^{18}$ |
| 1840 | $4964 .: 56$ | 131,450 | ${ }_{31} 12.1154$ | 2,735 | 21, ¢19 | $\pm 111$ | 10.3 |
| Total | 1,954,179 | 318,145 | 117,597 | 31,749 | 334,092 | 114 | $111 /$ |

For an accomat of the shipments de. of wheat from Bantzie in Istit, nee Dawronc.

Quadity of' 1) whtzic W'Heat.- The price of wheat in Datutice is usually nomet 7 s. per quarter above its average price in linmburg, and about $2_{8}$, above the morage of Amsterdam. 'This diflerence is entirely owing to the superior quality of the Dantaid wheat. Though small grained, and not so heavy us several other sorts, it is lemarkably thin-skinned, and yidfls the thest flour. Some of the best white, or, ats it is technically termed, - high mixed' Dantzic wheat, is superior to the very hest limglish; but the quantity of this sort is seanty, and the average quality of all that is exported from Danzic is helieved to approach vory hearly to the average quality of English wheat, Allowing for its superior putility, it will he fomm that wheat is, spaking generally, aways chonper in Dantzic than in any of the Continental ports nearer to Lomdon. 'The stock of whent in Datzic was only 1,500 Prussian lasts on Jamary 1, 18177. 'There are very fow seasons, indeed, in which Dantzic whent is not largely imported into Amsterdam; and it frequently also finds its way into llamburg. But it is quite impossible that such should be the case, unless, taking quality and other moditying circumstances into account, it were remlly elieaper than the native and other wheats mot with in these markets, When there is any considerable importation into England, it is af every-lay accurrate for merchants to order bintzic wheat in preference to that of Itolsteiss or of the lower Elbe, though the latter miglat frequently be put into warehouse
here for 18 s. jer quarter less than the former! It is, therefors, guite indispensable, in attempting to draw any intirences in refaril the the enparative prices of corn in different conntries, to make the requisite allownees for ditlerences of quality. Lutess this be tone, whatever eom. clusions may be come to can hard!'y fail of loenn; false and misleading; and when they hat, ea to be right, they can only be so through the merest aceident.

Dantzie being ly far the greatest port for the exportation of what in the north of Eurnere, ity price in her narke may he assmmed as the general measure of the brice in the other shippin; purts. At all events, it is ecertain that when bantaie is expurting, wheat cansot le shinget, taking quality into acconnt, at a cheaper rate from any other place. The importer invarially resorts to what he helinves to lee, all things engsidered, the cheapest market; and it is a cuntadietion and mu abourdity to suppose that he should burden himself with a comparatively high freight mul other charres for wheat in Datzic, provided he could buy an equally grod artide in so convenient a purt as llainburg at the same or a lower price. If, therefore, we are right in estimating the lowest price at which wheat may be profitably imported from Dantzic free of chuty, in ordinary years, at about two or fss., we may be assured that this is the bries importation price. The greater cheapnes of the imports from other places is apparent onls, an is uniformly conntervailed by a corresponding io
 de.] We subjoin an

Accomut of the Quantities, in C'uts., of the diffirent I'arieties of Corw imported into the United Kimdan from Prussia in euile of the is Fears endeng uith 1 1 witi.

|  |  | 1862 | 1863 | 186.1 | 186.5 | $14 / 2 i$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Wheat | cwi | 6,285,431 | 4,110,397 | 4,933,328 | 5,403,414 | 4.101, 19 |
| Hartey | - " | 852.696 | 1,17iral | [116,9]1 | ${ }^{359,919}$ | 1,im1, ${ }^{\text {a }}$ |
| Oals | , | 16.3,111 | 511.127 | 131.7:3 | 62,661 | 396, 31 |
| Hye | - " | 429363 | 61.923 | 3870111 | 62,117 | 7, \%, |
| Peats and heans * and grain |  | 129,364 |  | 6.51, 1212 | 566,917 | 493,2\% |
| Other kinds uf corn and grain | - ". | ¢, ${ }^{\text {dxa }}$ | 10,321 | 53,374 | 66,267 | 6, $6,{ }^{3}$ |

Rassian Corn Trade- Rnssia exports large islands, especially the latter, has, within the hat quantities of wheat, rye, oats, and meal, The Whent of the northern provinces is of various qualities ; but the greater portion is small-grained, coarse, brown, and badly dressed. The hard, or Kubonkt, is the lest; it keeps well, and is in considerable demand for mixing with other wheats that are old or stale. Lussian oats are thin; hut being dried in the straw, they weigh better than could be expected from their appearance, and are reckoned wholesome food, Our imports from Russia in 18.39 amounted to 371.603 quarters wheat, 316,823 do. oats, and $1 \cdot 1,000$ do. rye. But though this was far abse the then average importation, it has since been freatly exceded. principally in consequence of the extraordinary increase of the exports from the sonthern provinces. In 1866, for example, we imported $N, 9: 3,199$ cwts, of wheat from linssia, exelusive of 192.35 a cwts, of meal and flour. In 1865 we imported $7,2-19,83.1$ ewts. from Jiussian ports on the Black Sea. Duriug 1866 we received from all parts of tho empire $3,169,540$ ewts. of oats, and $910,15 \cdot 1$ cwts. of barley. ('The reader will tind notices of the North Lussian eorn trade under the articles Aheningel, Pestehsmung, and Rua. For an Ahcinngei, Pstersinumg, and Rusi. for an
accomit of the corn trade of the Black Sea, see post, and the articles Gadacz, ODessa, and Pagnanog.)

Dimish Corn Trarle,-The export of wheat from Denmark Proper, that is, from Jutland and the
or 20 years, been much increased, and the palit of the grain greatly improved. Considerablequas tities of wheat, barley, and other grain, as well of butter, checse, beef \&e., are exported in Sehleswig and Ilolstein. But, as alrealy staie the wheat of the latter is inferior; for, though looks plump, it is coarse aut danp. Kiel It formerly the elief Danish port for shipping end but large quantities are now shipped frum thelu and other ports in the islands. In lsifib we ported from Denmark 506.236 ewts. of wha $1,446,376$ cwts. of barley, 396,888 cwts, of 1 with comsiderable quantities of peas and pea-me and beans and bean-meal. The quantition values of the entire corn, flour beans \&e expme from lenmark and the luchios, in 1880 , weo follows:-


Corn Trade of the Elbe \&.c.-After Dant ILamburg is one of the greacest corn marke the north of Earope, but is not, as formerly, aly for large quantities of corn, as these are bray hither ehietly by the Jilte and the Berlin kail for immediate shipment. The exports of
from Hamburg : yeas endiur wit The price of whe lesw in Jamburg of price is altoget! the llulstein and rall met with in likeat foum the ! Pubemian wheat river to llamburg

Accompt of the Quir
Minse: Tou'ns ewtiti,y with 18


Dutch Corn Trade.
lepot fie fureign corn be fument there. Ohn sumption is supplied that the prices in it ar on those at which Datzic, Kiel, Haml ors. fle corn trad condacted under a hotever, a sliding se: row racording to th mixs mis alopted. Hillo when the po Heatince here as well rphal, and the imp de fer quarter on wite ond pats. quarte cante on oats. It wa sale should bo revi ctal operation havin antory, Goverumen ided it las been perpet ${ }_{3}^{3}$ rears encling witl thundands were, wheat if $188,4 d$, oats 12 s b. 4 . por imp. quarter. rethousing is a very tated, and foreign wos 3 or $2+d$. per qua bigin an
ount of the Quantitie wher rarieties of Corn i, lands into the United $\mathrm{K}^{1}$ tars cading urith 1866.

teweh Corn Trade unts given by Garie canslation of the Wea amountectolitre of amounted, at an ar with 1819, to 20 fr . p. 296 ) work Su, p. 226) published tee at 18 frage priee
it 18 fr. the heet
es subjoiaed table th
are, at an average

Crom Hamburg amounted, at an wetuge of tho 11 ing its eonveyance from l'rague prevent its being yrats endiug with 1811, , 1010,871 cherters a-year. 'The price of wheat, as alrearly stated, is frecuently lessill Itamburg than in Dantrac; but this lowness of price is altogether useribable to the inferiority of of prichlstein and llanover wheate, whidhare rencwielly met with in great abundance in hamburg.
rat What from the tpper bllie in of a better quality. phlemian wheat is cecasionally forwated by the fiver to llamburg; but the heavy clarges attendsent down, except when the price is comparatively hifh. In I8 19 the shipments of' wheat from IIamburg amomuted to $2 x i, 209$ quartere, of which 222,864 were for laglsand. 'The supply for export in
 $1817 i^{\text {it was }} 43,819$ lasts of 473,727 quarters; the price jer last being, in 186i6, $1: 51$ ITamhurg dollar of 3 marks cur. ; and in 1867, 2123 dols. Wc subjoin all

Acomnt of the Quantities of Wheat and other Varicties of Corn and Wheat Fhour imported fiom the Munse Touns (principally from Hamburg) into the United Kingdom during eash of the 5 I'ars cadimu urth 1 H6ti.

| Artictes |  | $1 \times 62$ | IN6, 3 | 1841 | 186.3 | 1446 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Whent | cwis. | ${ }_{573,6981}$ | 316, ${ }^{\text {a }}$ | 491.107 | 4x,n\% | Sis, ${ }^{2}$ |
|  |  | ${ }^{13,2948}$ | 61,1073 | \% MH | 39, 78.85 | 7185,793 |
| Yes and beans |  | 7,117 | ${ }^{101,416}$ | 107,291 | 191,776 | \% 19.9 , 24 |
|  | - . | 2.56,972 |  | 30,870 | 917, 1,40 | 317,912 |

Duth Corn Trade.-Amsterdam is an important heetolitre, equivalent to 45s. 7 c . the imperial depit fir foreign corn, overy variety of wheh may quartor. The hectolitre is equal to 2.7512 im be fund therc. Only a small part of its con- perial bushels, and the quarter to $2 \cdot 82$ heetolitres. tumption in supplied by corn of mative growth; so thar the prices in it are for the most part depentent a thes at which corn may bis brought from Dantic. Kiel, Mamburg, and other shipping pors. The corn trade of Ilolland was formerly conducted under a low fixed duty. In 1835 , homeret, a sliding scale of duties, varying inrame acording to the thactuations of the home prixi mas adopted. This seale continued in forec fill when the potato rot, which made its Hearace here as well ats in Ireland, oecasioned fotpall: and the imposition of tixed duties of hedeler quarter on wheat, is. $1 d$. per gharter of ree, wd, per quarter on harley, mind !id. per ranite on oats. It was provided, in 18.17, that fir sale should be revised in $1850-51$. And its ratical operation having been found to be highly tividary, Guvernment introduced a bill by Hidh it has been perpetuated. At an average ois te 3 years ending with 1850 the prices in the Pelledands were, wheat 3 iss. $11 \mathrm{~d} .$, rye 23 s .10 d. , very $18 s, 4 d$. , oats $12 s .10 d$. , and buck-wheat id. per imp. quarter.
Ruterlam is a very advantageons port for arthowing foreign corn, being conveniently toated, sad the warehouse-rent low, not execedg 9. or 2th. per quarter per month. We tydiu an
roant of the Qnantities of Wheat and of the wher lurieties of Corn imported from the Netherhand into the United Kingdom in each of the 5 I I urs ending with 1866.

| drucles | 1862 | 1863 | 186: | 186.5 | 1866 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| max. |  | ${ }_{\text {c }}^{\text {c/wts. }}$ | cwts. | ewts. | ${ }_{\text {cuts }}$ |
|  | 46,154 | 83,6.36 | 13,176 |  | 125,414 |
| * | 496.19 | 305,668 | 204,149 | 741.117 | 36.904 |
| beans | 20,4,9 | 30,324 | 31,179 | -92,7601 | 38,258 |

French Corn Trade.-It appears, from the wnte civen by Gamier in the last edition of translation of the Wealth of Nutions, that the of the hectolitre of wheat in the market of amounted, at an average of the 19 years ngwith 1819 , to 20 fr . 53 cents. And Chaptal, is valuable work Sur l'Industrie Francaise a.i. p. 226) published in 1819 , estimated the many average price of wheat throughout ce at 18 fr . the heetolitre. But it is seen the subjoined table that the price of wheat rance, at an average of the half century with 1850 , amounted to 20 fr .20 cents. the

Average Price per Mectoli're of Wheut in France in euch Year from 1800 to 1850, both inclusire.

| Vear | Fr. | Ct. | Vear | Ir. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1800 | 21 | 30 | 1sem | 11 | ${ }_{81}$ |
| 18101 | 21 | 34 | 1567 | $1 \times$ | 31 |
| 18172 | 21 | 16 $h 1$ | 1824 | \%2 | 113 59 |
| :804 | 40 | 18 | $1 \times 16$ | 21 | 17 |
| 15159 | 211 | 19 | 1531 | 42 | 109 |
| 18175 | 24 | 14 | 1578 | 22 | 33 |
| 1 mog | 1* | (ii) | $1 \times 13$ | 15 | 31 |
| 1908 | 16 | ${ }^{6}$ | $1 \times 21$ | 11 | 72 |
| 18199 | 1.5 | is | 14.7.) | 11 | nu |
| 1810 | 19 | 61 | $1 \times 36$ | 16 | 37 |
| 1811 | 26 | 1.3 | 1:37 | 17 | 17 |
| $11_{12}$ | 31 | 31 | $1 \mathrm{~s}, \mathrm{y}$ | 19 | 31 |
| 1415 | 2 | is | 19.7 | 2\% | $4{ }^{19}$ |
| 1415 | 17 | \% | $1 \mathrm{l} \mathrm{\prime}$ | 21 | 98 |
| $1 \times 15$ | 19 | 3.3 | 1511 | 14 | 31 |
| ${ }_{1 N 16}$ | 24 | 31 | 1812 | 19 | 6.5 |
| 1817 | \% 6 | 16 | 14.3 | '21 | 17 |
| 1818 | 21 | 6.5 | 1811 | 19 | 61 |
| 1819 | 14 | 12 | 14.5 | 14 | 93 |
| 1420 |  | 1.3 | 1416 | 13 | 86 |
| 1 N 1 | 17 | so | 1*14. | 29 | 34 |
|  | 13 | \$! | 1414 | 16 | 76 |
| $1 \times 2.5$ | 17 | 32 | 1519 | 1.5 | \% |
| 1424 | ${ }^{14}$ | 3 | 1850) | 14 | 26 |
| 1225 | 15 | 7 |  |  |  |

A verage price of the entire period, 20 francy 20 cents. Whe hectolitre.
Owing to the deficient harvest of 1816 , prises were oceasionally ligher in France than in England; and considerable quatutities of wheat were taken out of bond in Lomdon and other 1 ritish ports for shipmeat to France. The varions expenses attending the importation of a puarter of Freneh whent into bomben and its telivery to the millers may be taken, at a medimm, at about 7s. per quarter. France had formerly but little surplus produce to dispose of; so that it would have been impossible for us to import any considerable quantity of French corn without oceasioning a great advance of price; but, as will be inmediately seen, a decided change has taken place in this respect of late years, and, when the harvests are abundant, France has latterly sent us large supplies.

The mean of the different estimates framed by Viubnu, Quesnay, Expilly, Lavoisier, and Arthur Young, gives $61,519,672$ septiers, or $32,810,000$ quarters, as the total average growth of the different kinds of grain in France. (Ienchet, Statistique Elementaire, p. 290.) We, heweve, took oceasion formerly to observe (supp. to Encye. Brit. art. 'Corn Laws') that here could not be a donbt that this estimate was a great deal too low; and the more carett:l investigations of late French statisticians fully confirm this
remark. The annual produce of tha harvest of Franee was estimated in 18.13, fron. returns whtained under official authority, at $60,558,000$ hectolitres of wheat, and $112,905,000$ heetolitres of cther sorts of grain; making in all 18:2,517,000 heetolitres, or $62,7 / 10,000$ imperial quarters. Of this quantity it was supposed that about 16 per eent. was consmaed us seed, 19 per cent. in the feeding of differeat species of animals, and 2 per cent. in distillerics and breweries.

The reader will not fuil to observe that, according to this statement, the consumption of corn in France, which had in 1862 a population of about $37,38: 2,225$, is not more than equal to that of the United Kingdom, the population of whie! may be taken at $2!, 000,000$. And we have no doubt that such is the faet; for, though the constimption of corn in France materially exceerls it a proportional consurntion i:1 Ireland, it is far below the proportional consumption of (ireat l3ritain. The corn expended in this conntry in the keep of horses and in distilleries wonld, of itself, suffice $t 0$ feed a third part of the people of France.
The foreign corn trade of France was fermerly regulated by a law which forbade evportation, except when the home prices were behw certain limits, and which restrained and absolutely forbade importation except when they were above certain oifer limits. The prices regulating inportation and exportation difleced in the different districts into which the kingdom was divided. Latterly, however, importation was at all times allowed under graduated duties, which, like those recently existing in this conntry, beemme prohibitory when the prices sank to a certai i level. The frontier departments were divided into 4 separate districts, the prices in each distriet governing the daties on importation into it, so that it sometimes happened that corn warehoused in a particular port, where it was not admissible execpt under a high duty, was carried to another port in another district, and admitted at a low duty. An official announcement was usually issued on the last day of each month, of what the duties were to be in each district during the succeeding month. But the law was sometimes suspended for longer or shorter periods. At present (1868) the French import duty on whent till December 31 next is 50 cents.
per 100 kilogrammes;
and maize being free.
Accunnt of the Quantities of Wheat and Whent rlour respretirely imporied from France $:=t$ the United Kingdom during each of the 36 I'ars pmoling with 1866.

| Year | Wheat | W'heat Flnur | Year | Wheat | Wheas F'our |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18.31 | $10^{\mathrm{qr}}, 076$ | $\underset{9,186}{\text { ewt }}$ | 18.50 | 595, ${ }^{\text {rss }}$ |  |
| 14.32 | 4678 |  | 18.1 | E10,109 | 2r391, 6.66 |
| ${ }_{1}^{1433}$ | 692 |  | ${ }_{1853}^{1852}$ | 407 | x¢0, |
| $1 \mathrm{~N}, 38$ | - | 32 | 1854 | 147, 112 k | ${ }_{211}{ }^{1} 1830$ |
| 14.36 |  | 14 | 18.3 | 26,1.59 | 219, ${ }_{6}$ |
| 1437 | 746 | 883 | 1856 | 10,007 |  |
| ${ }_{1839} 8$ | 23,191 | 26,719 | 18.57 | 37.178 | S127, 11: |
| 1839 | 278,182 | $11.5,512$ | 1858 | 818,251 | 1,6m, 614 |
| 1 NrO | 48,3519 | 161070 | 1859 |  | $2.49 \times 196$ |
| 1411 | 147,966 466,707 | 161,071 164,640 | 1860 | 554,602 | 1,731,915 |
| 1832 | $\begin{array}{r}469,707 \\ 3,118 \\ \hline\end{array}$ | 164,646 | 1861 1862 | 180,903 | 460 Fic |
| 1815 | 41, 871 | 13 | 1863 | $221,8.35$ 34,031 | \% 7 (191049 |
| 1 NLS | 32,153 | 12,866 |  | ${ }_{\text {cwl }}$ | 1,76i,933 |
| 1816 | 71,61. | 7,5.58 | 1864 | 3 7 7,105 |  |
| 1817 | 141,915 | ${ }^{1210} 4212$ | 1863 | 2,2542,873 |  |
| 1818 1819 | 216.521 451,331 | ( $\begin{aligned} & 362,212 \\ & 1016,2: 5\end{aligned}$ | 1866 | 3,473,130 | $3,60,4 *)$ |

The inerease in the interval between 1818 and 1866 of the imports of wheat and flone, but especiaily the latter, is quite unprecedented. was oecasioned, at tirst, in part at least, by the superior tuality of French flour ; for, how singulit socver it may appear, the business of grindirg corn was then better understood and in a mon advanced state in France than in England. This may, perhaps, be acconnted for by the mill-stopes of La Bric, which are in common use in Frase, being better suited to their work than those commonly employed in England, and br the greater hurdness of the french whrat, and the greato care taken in the sorting of the flour into yatios ynalities, Latterly, however, very great improre ments have bren effected in the English mills.

But by far the greater prot of the extracdindy increa se in the imports of French wheat and ion iu the period referred to is, no doubt, to be ascribed to the very low prices that thea ruleta France. And the regular succession in th: country for many years past of eycles of 50 art years of scarcity and abundance is a ret striking phenomenon. in proof of this, we begt subjuin the following

Account, compiled from Official Doczments, of the Excess of the Imports orer the Export, and of th
Erports over the Imports, of Wheat into and from France, and of its Price per Mectulitr, i Perinds of Scarcity and Abantance, from 1816 to 1856 inclusite.*


* From the Reczie Conmerciule of Alessis. Comincis of Ilavre for 1858: a valuable and trustworthy publication.

Hence, in these 41 years, here have been importation, and preventing o: fettering expont imported $55,805,000$ hectolitres, and exported tion, and such like expedients. But it will 18,432,000; leaving nu excess of imports of 37,373,000 hectolitres.
Inasmuch, however, as the imports are made when prices are high, and the exports wher they are low, the excess of the valuc of the former over that of the latter is greater than in proportion to the difference of their quantities, and is estimated, for the above perion, at $1,16 i t, 000,000$ frs. And this deficit in the amount of the harvests will not certainly be filled up by clinging to the warst parts of the protective system, that is, by allowing
speedily got rid ol' when a really free trade corn is established, and the agriculturistspermitith to buy their tools and implements wherever that find them cheapest and of the best quality No doulst, also, a modification of the existio law of succession would be very desirable; furt addition to the st:mulus which it gives to sd division, the obstructions which it throws int way of the consolidation of nropertics and 4 increase of farms make it a formidable batier tho progress of agriculture.
lecording $t$ the bakers in a
are Lound to thour equal to cunsumption. and of this it will cither $f$ inter a mere inst Spmash Corn from Spain was rerest penalti, reve both allow N 3 this privi durtions (frutos) is now, in fret, in expenise of carria the sea-ports, and hasever, to the pincipally situat extrace bedness carriage to the con the exports are nartow limits: th thepeatly gives ri le prices in mark odr a few leagne ytem widely ex mmunication in security given to tl a no loar time poting countries ent, Estremadura, 0 the suth and eas finest om countries made to yelld imomen the disturbed state o da market for their aid to be at all cultir natural fercility, that reap those fichls The impoets of whe runtry from $\mathrm{S}_{\mathrm{p}}$ ain i Niff have been-

## Hithet <br> mant and ilour

Com Trade of Odes as is one of the pring suthern Europe. Inas the corn seut from roviace of Klyerson ports depend in gres mparatively high pri cost of conreying the port. The na hich intersects the ose $p$ ie be a most import aiss, is unluckily inte its coursc by catarad moneved to it brey conreyed to it in car supply deveuds almo cattle that may be er mion the productivend pplies for though plies for Odessa is Sea of Arof, and f The foll Black Sea. The following table com brout took place manted brought to Odes fe, the to $2,016,672$ a single season quanti
from

According to a law passed in November 1858, the bakers in all the primeipal towns of the empire are lound to keep on hand a stock of grain or thour equal to three months of their ordimary consunption. But it is not to be supposed that an det of this sort should be reaily cirried out : it vill cither fall into desuctule, or degenerate into a mere instrument of abuse.
Spansh Corn Trade.-The exportation of com from Spain was formerly prohibited under the wrefest penalties. But in 1820 grain and four were both allowed to be frecly exported; and in wis this privilege was extended to all profurtions (frutos) the growth of the soil. There is now, in tiact, no obstacle whatever, except the expare of carriage, to the conveyance of eorn to flir sea-ports, and thence to the foreigner. Owing, hwever, to the corn-growing provinces being mincipally situated in the interior, and to the rameme beducss of the roads, which renders carriage to the const be ${ }^{\prime}$ expensive and ditheult, the expurts are reluce i within comparatively narow linits: the same difficulty of carriage trequently gives ris: to very great differences in the prices in markets, in all parts of the country, mily a fer leagnes distant. Were the railway ortent wilely extended, ast? other means of enmunication improved, and anything like scurity given to the husbandman, Sinan would, in no long time, becone one of the principal e:poting countrics of Europe. Old Castille, Renfer Etrmadurn, and that part of Andalnsia to the enth and cast of Seville, are among the finest oum countries of Europe, and might be made to vieh immense supplies. But owing to the diturbed state of the country, and the want of a maket for their produce, they can hardly be said to be at all cultivated. And yet such is their natural fertility, that in good seasons the pensants vill rapp those tields nearest to the villages!
The imperts of wheat and wheat-tlour into this cuntry from $S_{j}$ ain in the 5 years ending with wifit have been-

## 

Com Trade of Odessa,-Odessa, on the Black Sea, is one of the principal corn shipping ports of Suthern Earope. Inasmuch, however, as but little of the curn seat from Odessa is raised in the proinee of Kherson in her neighbourhood, the expets depend in great degree on the price; a vomparatively high price being necessary to pay he cost of conveying corn from Podolia and lief, whence only large supplies can be derived, the port. The naviration of the Dnieper, hich intersects these provinces, and would otherise be a most :mportant channel of communiation, is whenckily interrupted in the lower part fits course by cataracts, so that a very large ortion of the com brenght at present to Odessa conreved to it in carts drawn by oxes ; and e supply de rends almost as much on the number catte that may be employel for this purpose on the productiveness of the harvests. A priva atso, though but a small one, of the pplics for Odessa is brought by coasters from te Sea of Azof, and from some of the smaller ths on the Black Sca.
The following table shows the extraordinary rease that took place in 1834-49 in the supplics combrought to Odessa. The exports in 1847 mated to $2,016,672$ quarters, being, we beif, the largest quantity of wheat ever shipped a ingle season from a single port.

It appears from an official s:nter:ent published in Oilessa, that :he total quantity of wheat brought to the town in the undermentioned years was-

| Year | Chets.* | Year | Phets. | Year | Chets. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1831 | 691,000 |  | 641, 100 | 1810 | 1,941,930 |
| 14.5 | 378,709 | 1811 | 720,372 | 1816 | 2,121,385 |
| 18.76 $1 \times 37$ |  | $1{ }^{1812}$ | 8, 86, | 1847 | $2,370,507$ $2,090,1997$ |
| 1438 | 1, 241,0109 | 18.4 | 1,315,300 | $1 \$ 19$ | 2, $1,714,71$ |

* A chetwert is about $5 \cdot \$$ bushels.

During the three years ending with 18.10, the averuge price of the best Odessa whent, which, however, is inferior to English, was 34s. 6d. on the spot; and the better samplea only are fitted for distant voyages, and for our maikets. The crops for 1865 were generally bad and poor. Owing to the length and tediousness of the voyage from Odessa, and the risk of tice grain heating on the passage, the charges attending its importation, including insurance ke., amount to from $1.4 s$, to $15 s$. per quarter. It is pain, therefore, that tl.e Odessa wheat brought to England during the above three years must, speaking generally; have cost the importer abont 50 s . preq quarter, exclusive of protit ; and, suppreing the price of the best wheat in Udessa to be reduced under a system of free intercourse to from $\mathbf{2} 5 \mathrm{~s}$. to 30 s . per quarter (its price in 1849), it could not be sold in Lundon for less than from 40 s , to 45 s . per quarter. And though in 18.53 the imports of whent from Sonthern Russia amounted to 818,930 quart: rs, they are usually much less. In 1857 they were ouly 409,469 quarters. Constantinople, Genoa, Marseilles, and other Mediterrancan ports are the great markets for the wheat of the Black Sea.
The shipments of grinin, other than wheat, from Odessa. are generally incomsiderable. ln 1847, 240,390 quarters of rye were exported. Indian corn is rased ia Bessarabia, but not in quantities to admit of any great exportation.
From Taganrog alse the shipments of groin are very consicterable, as is apparent from the following extract from a table piven in Mr. Consul Carruthers' R'port for 1866, which shows the exports of the 5 years ending with 1866 :-

|  | 1862 | 1865 | 1864 | 1865 | 1866 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Wheat |  | 1,04\%. ${ }_{\text {qu\% }}$ | 9.978 .9 | ${ }_{961,586}$ |  |
| Rye. | 121,761 | 20,6,1 | 12051 | 4,753 | 91,032 |
| 12.irley | 115,161 | 10,199 | 3,15.3 | 16,215 | 70, 311 |
| Oats . | - | - | 1.1,121 | 15,552 | 73,584 |

For farther details as to the corn trade of Southern Russia, and of the comentres on the Lower Damube, see the articles G.aisicz; Onessa; Taganiog.

Both soft and hard wheat are exported from Otessa; but the tormer, which is by far the most abundant, is only brought to England. Despite the preference given to English wheat in this country, in tha Nediterrancan Odessa wheat is more estecmed, and fetches a higher price. The hard wheat bromght from the Black Sea comes principally from Taganrog. It is a very fino speries of ruin, being ull 10 per eent. heavier than British wheat, with not more than half the bran : lntterly, however, 'ghirka' or suft wheat has been exported both to France and this country, the price per quarter, free on boad, being from 33s. to 34s. 9at. The hard wheat is used in Italy for making maccaroni and vermicelli, and things of that sort; very little of it has found its way to England.

The voyage from Odessa to Britain is of uncertain duration, but generally very long. It is essential to the importation of the wheat in a

CORN LAWS AND CORN TRADE
cool condition that it should be made during the means be tevised for lessening the risk of dang the is litte reason to think wood months the vorage is made in that Odessa wheat will ever be largely imported . summer, unkess the be slipped in exced has sometimes, indeed, been sure to heat; and has as to require to be dug sure to to such a degree as to require to
injured therefore,
from the hold with pickaxes. Unless, then
Stutement of the Probuble Cost of Importing 2,00C Cheturerts or 1,453 Quarters of Wheat from Odessa
 and in mhlition in the ahove, the charge fur prol
And in adlition in the ahove, the charge furter-
And the factorage in London at lo. per quater

Americun Corn Trade-The prices of wheat at York Youd 'lhilateithlia may be taken, at an Neerage, at from 3 3s. to 40 s . per quarter; and th the cost of importing a quarter of what irom the Jinited States into England anowid considerable sulply to 12 s., it is seen that no considere our prices conld be outainell from thence, were se remarked
 that prices in America are little cin be brourght in the Baltie; so that but en the demanul is sulihfrom the former excepp when the tomeaner whents rient previously to the Northern ports.
or the eorthern ports.
Formerty the
expurts of whent from the United
Formerly the expurts of whent from the Unin in
States were companatively triting, of their exports of the shape of toire that most the amexed talle that trial were mate. From the en of $36,000,000$ it will be seen that in 1863 upw. Wheat-Flour Iudiun Corn, and Indian Meol E.rported from Account showing the Quantities of Wheat, Wheat-F'Mour, Indian Corn, and Indian they were sent, audth Account
the United Stutes during the Years 1863-4, speeifying


It has been doubted whether this exportation art; and it could not rationaly be expected can be maintained. Speaking gencranly, art:- , which, as in the qreat er part of Amerciap
 America, and but imperfect
little more than a ne practice is, after cleari of land, to st:bject it rrapiny; and when i stal other tract of which has been ahande ain of the vis medicat parts of the Bastern or betl lous settled, am swurgini system can n fillowell: and there, con of arriculture has bees tino of crops, and the n thed sometimes with eo success. Still, it bot farmed districts ar sate; and, except wher a rery superior quality, deed compared with pountry, In illustration bey to subjoin an

Account of the Average Curn Crops in the Stat lisied in " Report by Smityly' in Contrast w the Protuce of similar


Thbe - bushelis per acre Buer
leneuks from this state arcera thunt twice as gr Nerl lock, which has som mpand in the Uniou. In
we the mort productiv
ealk ste similar, the prot
bit wing respeetively
ne. It is true, no doubt,
iucreasel ; but this ca Eplymunt of greater e tare of the land. And errloch farmers and tho atio lave to withstan ea neiflthours in the 1畒isippi and Missou saljected to the scourg infil to. But in thes mbe deenp, the proluc a, very smill. In Mic xas, from a return publ Ahture in 1849, that the a 8 sere dil not exceed 1 In 9 bushels per acre $w$ Wulld further appear information on the parluce of the new s 16 bushelels per imperial hat beyond the m vere difificult and, perha ate with any degree be the ultimate resul what degree it may fiture discoveries al
the mean tiuse, disp
Hanston in thinking ag powers of the Unite exagyerated; but we
to exilggerate their Indian com. (Note aratherd, Economieal, an tan; ste alko Mr. Luss an, its Ayriculure and 0 de. The Intter is alable work that has 1
linle more than a nominal priee. the insariable pratice is, after clearing and hreakiner up a piece if land, to stibject it to a course of continuous ruppinf; and when it is exhansted, to resort to whe other tract of new rround, leaving that whids has been almandoned to recover itself by the Whit of the vis medicatria nature! liat in those ant of the bie Dastern or Atlantie States that have facti long settled, and are fulty oceupied, this sumpinir system can no longer be advantageously filwerl: and there, consequently, a better system fariculture has been introluced; and a rotatinn of ernps, and the manuring of land, are practied sometimes with more and sometimes with purneces. Still, it is certain that even in the hot farmed distriets agriculture is in a backward bute; and, except where the land is naturally of arery superior tuality, the produce is seanty anded compared with what is obtamed in this muntry. In ilhastration of what is now stated we ber to subjoin an
doount of the Average Produce par Acre of the Corn Crops in the State of New Fork, as published in a Report by the 'Stute Agricultural Sciefly,' in Controst with what is believed to be the Prolnce of similar Crops in this Country.

hrodistrom this statement that tbe returns per areire thont twice as great in this country as in Xeri lock, which has some of the best corn growipphasin the Uniou. In Ohio, whieh is supposed the the mo.t preductive of all the States, the eseltare similar, the produce of wheat and barley piit teing respectively $15 t$ and 2.4 bushels per Fex. It is true, no doubt, that these returus may y inerasen; ; bat this can only be done by the morment of greater capital and skill in the atare of the land. And in che meam time the fislofh farmers and those of the other Atlantic ate inve to withstand the competition of eif neighbours in the newly-tiormed states on Elisisispi and Missouri, where the best lmul Syljucted to the seourging treatment already" frel to. But in these States, though the *d be cheap, the preduce per acre is, in most *8, ver samill. In Michigan, for example, it vas, from a return published by the state LeItrue in 1849 , that the average produce of wheat Fare dill nut exceed $10 \frac{1}{5}$ bushels, being less an bushels per acre when seed is dedueted! mudd further appcar from the best attain4infurmation on the subjeet, that if we take pmace of the new. states generally at 15 l6 bustels per imperial acre, we shall not be sin but heyond the mark. And though it reft dificienit and, perhaps, impossible, to antie with any degree of cunfidence what be the ultimate result of this infertility, matat degree it may be defeated or modibr future discoveries and improvements, we in the mean time, disposed to concur with Whaston in thinkiug that the wheat-proypowers of the Uuited States have been bexagerated; but we doult whether it be dide to exiargerate their capacities for proHy midian corn. (Notes on North America, antherd, Economical, and Socint, i. 172, ii. ten; see also Mr. Russell's work on North rina, its Agriculture and Climate, pp. 92, 123, lis se. The latter is the most important ruable work that has hitherto appeared on
that continent. The statements it embories with regard to slawery have shed a new and powerful light on all that relates to that momentous and diflicult sultyject.)
In the eourse of 20 years from this date (1868) the prpulation of the Union will most likely amont to or exerel fo.000.0100; ;and what with this curmons incrase in the demand for corn, and the unwise treatment to which the land is sulijected, the fears so, generally entertained in regarid to the injury to be intlicted on the agriculture of Enrope, and especially on that of England, by the importation of American corn, have, perhaps, no frod foundation. The importations of maize er Indian corn trom America have decidedly inereased, that for 1866 nearly reaching $7,000,000$ of ewts.; the only other imiportant source of supply leing European Turkey, which furnished over $4,500,000$ ewts. in the same year. The presumption is that it will rarely be imported in large fuantities for food exeept whe 1 the potato is deticient, or to supply these wleo have no recans of obtaining the higher-priced varieties ori corn. But a great demand has arisen for it to be used in distilleries, and there seems a probability of a growing increase in the use of Indian corn for that purpose. In no ether courtry can Indian corn be produced at less cost or with greater certainty than in the United States, and there is a far greater probability of a rapid increase in the innportations of that grain to this eountry than of any other kind of corn. Chicago on Lake Michigan, from its ready means of commmicating with the Mississippi and St. Lawrence, has naturally become the great storehouse of the western or corn-producing states of the Union. It contains luge warehouses eapable of holding millions of bushels of grain, and its extraordinary atwanee in population is worthy of remark. In 18.10 it had but 4,853 inlabitaits; in 1860, 109,260; and now (1868) their mumber may be estimated at from $1 \cdot 40,000$ to 150,0010 .
All sorts of flour, whether ma le of wheat, rye, Intian corn de., expurte from the United States, must previnusly be submitted to the inspection of oflicers appwinted for that purpose. The law further direets that the barrels in which it is slinped slall be of certain dimensions, and that each barrel shall contain 196 lbs . of tlonr, and eaeh half barrel 98 lbs. The inspector, having aseertained that the barrels correspond with the regulations as to size. weichts de., decides as to the quality of the thour, aut brands it necordingly. Flour for home coussmption is not sulbjectenl to inspection, The inspection must take phace at the time and place of exportation, under a penalty ot a dols. per barrel. l'ersons altering or counterfeiting marks or brands forfeit 100 dols. ; and persons putting fresh llour into barrels :ilrealy marked or branded, or offeriug adulterated wheaten flour for sale, furfeit in cither case 5 dols. for each barrel. Every barrel of wheaten tlour impurted is decmed e e uivalent to 38 d gallons of whent, and, under the old law, was charged with a curresponding duty.
The usual price of wheat in Canada, when there is a demand for the English market, is about 30s. per quarter; and adding to this 10 s. per quarter for the expenses of carriage and warehousing, it will make its price in Liverpool, when delivered to the cons:mer, 10 s. ; and being spring whent, it is not so valuable by 5 s. per quarter as English wheat.
Mr. Reuss ( p .120 ) gives the following pro forma account of the explense of importing a cargo of 5,000 bushels of wheat from New York, supposing it to cost 1 dol. 12 cents per bushel:-


Inferences from the above Review of Prees.- We may, we think, satisfact orily conclude, from the forign pretty lengthened revievo all restrietions on imcorn trade, that now that an ref foreign whent portation the same quality as average English of abont per quarter. But supposing it were to faler is a price 40 s ., it is easy to see that even the at which agricultural improres of wheat in Engcessfully carried on. The price of wears ending with land, at an average of the ten years enater; while 1820, was no less than 8 . its averape prices durimg the were respectively nive years and 54s, 9rl. per quarter. And yet, not57 s. 11.2. and this tremendous fall of 32 s . 9 d . per withstanding this andinary improvenent has taken quarter, an exiculture since $18: 0$, as is evince by liace faet of rents having risen greatly in the haterral, and by onr now providing having heen the additional population. And such have childish to case, despite farther fall of $12 s$, or even of $15 s$. per suppose that a fartare price of corn should have quarter in the averas inthence over agriculture. any in truth and reality improvements of nil sorts have been more vigoronsly prosecel than at any final repeal of the corn laws in isigh in our preformer period. And that of the comitries whence sent condition, or in that supplies, to warrant the we derive a portion of our supplea, invise in time to expect
come.
We feel pretty confideut that these A great deal cannot be successfully con doubt, always attach to of uncertainty must, no prices; but in as far as a prospection may be drawn beforchand on dismiss concho handords and farmers may dithertan subject, the landoryehensions, if they entertain their fears and apprehe trade in corn. They have any, of ruin from a tree trar creater difficulties than trimphantly weatheredrargreatailing upon them. there is any probability onot depend on restrictive Their prosperity does not dep fertility of the reculations, but is the effect of the $a^{:}$ace of all soil which belongs to them, of the a the number soil which beadal privileges, and of the number oppressive fendat privamers of their produce. (For

The manufacture of cotton has been carried on in llindostan from the semotest antiquitr. Ilepunus mentions (iii. 10t) that in India there ane witd trees that produce a sort of wool ar wior to that of sheep, and that the natives sis themselves in cloth inale of it Simi ar tatements are made by Strubo (lib. xv. sec. iil. Arrian (Indic. c. xvi.), and Mela (iib. iii. c. si.). But though certainly referring to cotton, it somident that the authors of these statements had to wry di tinet ideas either in regard to the wool toef or its manufacture. The latter obtained no foung worth mentioning in Europe till last cempry. The plant was, it appears, introduced into suthern Enrope before the conchusion of the birwath century, and the wool was used it the instance for the manufacture of paper Its emplownent for textile fabrics is, as far as firope is cotemed, of not much more than a century's rovth.

1. Rise anl Progress of the British Cotton ynuficture.-The rapid growth and prodigious dumitute of the cotton manufacture of Great Britain are, beyond all question, the most extraahary phenomena in the history of industry. our command of the finest wool naturaliy atwad our attention to the woollen manmacture min paved the way for that superiority in it which welogs since attained; lut when we undertook the cuton manufacture, we had comparatively few frilities for its prosecution, and lad to strumgle nith the aratest ditliculties. The raw material s. producd at an immense distance from our shes; and in llindostan and Chima the inbatitants had arrived at such perfection in the arts 4sinning and weaving, that the lightness and lian of their tinest eloths emulated the wel (fthe gossamer, and seemed to set competition at cetanee. Such, however, has been the intluence t the stupendous tiscoveries and inventions of Burseaves, Arkwright, Crompton, Cartwright, wothers, that we have overcome all these dilh-aties-that neither the extreme chenpness of bhun in lindostan, nor the excellence to which he natives had attained, has enabled them to frithand the competition of those who buy their , nthn. and who, after earrying it 5,000 miles to manuactured, carry back the grodes to them. his is the greatest triumph of mechanical genius; Wh what perhajs is most extraordinary, our mefinity is not the late result of a long series of acosive discoveries and inventions: on the confry, it has been accomplished in a very few aris. little more than a century has eliased gee the 1ritish cotton manufacture was in Gufancy ; and it nou' forms the principal business mied on in the country, aflording an advinwhens fied for the accumulation and employFat of millions upon mitlions of capital, and of wisuds upon thousands of workmen! The and genius by which these astonishing hits have been achieved liave been one of the io sourecs of our power : they have contributed necommon degree to raise the lritish mation the high and conspicuous plaeo she now aris Nor is it ioo much to siy that the dhand caergy derived from the cottom mannare powerfully assisted in carrying us triunnefle through the tremendous struggle with Gutionary France, at the same time that it fnally contributes to that strength by which weable, without ditliculty, to sustain burdens Whoud have erushed our fathers, and could be supported by any other people.
aeprecise period when the manufacture was fuced into lingiand is not known; lut it is probable that it was some time in the early
part of the 17 th century. The first authentic mention of it is made by Lewis Roberts, in his Treasure of' Truffic, published in 1641, where it is stated: 'The town of Manchester, in Lancashire, must le also herein remembered, aul worthily for their encouragement commended, who buy the yarme of the Irish in great quantity, and weaving it, returne the same again into Ireland to sell. Neither doth their industry rest here; fur they huy eotton wool in london that comes first from Cyprus and Smyrna, and at home worke the same, and perfect it into fustians, vermillions, dimities, and other such stufles, and then return it to London, where the same is vented and sold, and not selilom sent into foreign parts, whohave means, nt fiar easier termes, to provide themselves of the said tirst materials.' (Orig. ed. p. 32.) It is true, indeed, that mention is frequently made by previous writers, and in Aets of the legislature passed at a much carlier period, of 'Manchester cottons,' 'cotton velyets,' 'fustians' \&e., but it is certain that these articles were wholly composed of $u^{\prime}, o /$, and had most probabiy been denominated cottons from their having been prepared in imitation of some of the cotton fabries imported froms India and Italy. In an Aet of $\overline{5}$ \& 6 Edw. VI. (1552), entitled 'For the true making of woolinen cloth,' it is ordered, 'That all cottons called Manchester, Lancashire, and Chcshire cottons, full wrought for sale, shall be in length' dre. 'This proves incontestably that what were then called cottons were made wholly of wool.

From the first introduction of the cotton manufacture into Great Britain down to 1773 , the weft or transverse threads of the web, only, wero of cotton; the warp, or longitudinal threads, consisting wholly of linen yarn, prineipally imported from (iemmany and Ireland. In the first stage of the manutiactire the weavers, flispersed in cottages throughout the country, furnished themselves as well as they conld with the warp and weft for their webs, and carried them to market when they were finished: but about 1760 a new system was introduced. The Mancliester merchants began about that time to send arents into the country, who employed weavers, whom they supplied with foreign or Irish linen varn for warp, and with raw cotton, which being carded and spun, by means of a common spindle or distaff, in the weaver's own family, was then used for weft. A system of domestic manufacture was thus established; the junior branches of the family being employed in the carding and spinning of the cotton, while its head was employed in weaving the linen and cotton yarn into cloth. This system, by relieving the weaver from the necessity of providing himself with lines yarn for warp and raw cotton for weft, and of seeking customers for lis eloth when tinished, ant enabling him to prosecute his emphoyment with greater regularity, was an obvious improvement on the systen that had been preriously followed; lut it is at the same time clear that the impossibility of making any considerable division among the different branches of a manufacture so conducted, or of prosecuting them on a large seale, added to the interruption given to tho profer busmess of the weavers by the necessity of nttending to the cultivation of the patches of ground which they generally oceupied, opposed invincible obstacles to its progress, so long as it was conducted in this mole.

It appears from the Gustom I Iouse returns that the total quantity of cotton wool annually imported into Great Britain at maverage ot the fire vears ending with 1705 amountel to only $1,170,881$ lbs. The accounts of the imports of cotton from 1705 to 1770 have been imperfectly preseryed;
but until the last half-dozen years of that period the manutacture increased very nowly, and was of very tritling amomnt. Dr. l'ereival, of Manchester, who had the best means of being accurately informed on the subjeet, states that the entire value of the cotton goods manufactureal in (ireat Britnin. at the accession of tiearge III. in 1760, whs estimated to nmount to only 200,0000. n-year, and the number of persons employed was quite inconsiderable; hut in $17 \operatorname{tid}_{\text {J }}$ Jmes IIargreaves, a earpenter of Blackburn in Lincashire, invented the spinuing jemmy. At tirst this admirable machine enatioil sirtern to thirty. hreads to be spmo with the same facility as one; nnd it was subsequently brought to such perfection, that a little girl was able to vork no fewer than from eighty to one humblred and tuerty spindles,
The jenny was appilicable only to the spimming of cotton fir weft, being mable to give to the yarn that degree of firmuess and hardness which is required tio the longitmbinal threads or warp; but this deficiency was soon after supplied by the introduction of the spinniny-frame-that wonderful piece of machinery which spins a vast number of threads of muy degree of tineness and hardness, leaving to man merely to, feed the machine with cotton, and to join the threads when they hapipen to break. It is not difficult to understand the principle on which this mahehine is constructed, and the mode of its operation. It consists of two pairs of rollers, turnorl by means of machinery. The lower roller of each pair is furrowed or fluted longitudinally, nnd the upper one is covered with lenther, to make them take a hold of the cotton. If there were only one pair of rollers, it is clear that a carding of cottom passed between them would be drawn forward by the revolution of the rollers, but it wonld merely undergo a certain degree of compression from their action. No sconer, however, lats the carding, or roviny as it is technically termed, begron to pass thromgh the first pair of rollers, than it is received by the second pair, which are male to revolve with (as the case may be) 3,4 , or 5 times the velocity of the tirst pair. By this admirable contrivance the roving is drawn out into a thread of the desired degree of tenuity; a twist being given to it by the adaptation of the epindle and tly of the common thixwhecl to the machinery. Arkwright gave his machine the name of 'water-frame.'

Such is the principle on which Sir Richard Arkwright comstructed his fimous spiming-frame. It is obvious that it is radically and completely different from the previous methods of spiming, either by the common liand-wheel or distaff, or by the jenny, which is only a moditication of the common whed. Spinnine by rollers was an entirely original iden ; and it is ditticult which to admire most-the profound and furtunate sagacity which led to so great a discovery, or the consummate skill and address by which it was so speedily perfected and reduced to practice.

The guestion as to the merit of Arkwright as an original discoverer is still undecided. Recently, however, it has been aseertained that a patent for spiming by rollers, revolving with different degrees of velocity; was taken out by Messrs. Wyatt and laul, so early as $\mathrm{i} 73 \dot{x}$. ( 11 is tory of the Cotton Manufucture, by Edward Baines, Esq.) But it does not appear that the inventors had been able to give effect to their happy iden, and all traces of the invention seem to have been lost. The statements in the case printed by Sir Riehard Arkwright and his partners in $1788^{\circ}$ show that he was aware of the attempts made in the reign of George II. to spin by machinery; but there is no evidence to prove that he was ae-
quainted with the prineiple on which these at tempts hal been made, or that he had seen th patent referred to. The probability seems to be that he had. luit admitting this to be the enom, it detracts very little from the substantial merit. of Sir Richard Arkwright. If the idea of spinning by rollers did not spring up spontancously in his mind, he was, at all events, the first whi made it available in practice, and showed how it might be renulered a most prolitic suntere at walth,
Since the dissolution of Sir Richard Arkw enhtit patent, in 178 F , the progress of di-covery and im. provement in every department of the manafatut has been most raphd. The male-jrnmy-so eallel from its being a compound of the jemy and the spiming-frame - invented by Alir. ('romptat, and the poner-loom, invented by the liev. Mr, Cartwright, are machines that hive hat the mot powerfal intluence over the mamufacture; anl consequence ot their introdnction, and of innu merable other inventions nud improvements, the prices of cotton cloth and yarn have gone on 1 , gressively diminishing. But as the demand cottons lins been, owing to their extraorifina cheapmess, extended in is still greater digree, th value of the goods prodnced, and the number persons employed in the mannfacture, are now cidedly greater than at any previous periond.
2. Imports of Cotton Wiool. Countrics uhemr is imported. Prices, Duties $\S \mathrm{c}$.-The follow Tables have heen partly taken from official don ments, and partly from the accounts of merchan of great experience. We believe they may relied on as approaching as near to aceiracy is possible to attain to in such matters.

C
Cotton Wool Imported into, Frported from, Entered for Consumption in the United King from 1820 to 1811, stated in lhs.

| Year | Quartity Imported | Quantity <br> Exprorted | 'Ouantity Ent for Coniumpr |
| :---: | :---: | :---: | :---: |
| 1820 | $\begin{gathered} \text { 1bs. } \\ 154,672,6 r, 5 \end{gathered}$ | lbs. fi, 021,018 | 为 |
| 1521 | 132, $3.30,620$ |  | 152, |
| 1822 | 112, $4,37,628$ | 18,26, | 1\%, |
| $1 \times 2.3$ | 19\%,102,503 | 9,315, ${ }^{\text {a }}$ (122 | \|stwintin |
| 182\% | 119,550,122 | 13,239,505 | 1410, |
| 182: | 228,045,291 | 15, (h) 1,953 | 2012, 3 +4, |
| 1813; | 177,607,101 |  | 1 $12 \times$, 4 ¢, |
| 1527 | 274, 115, 969 | 18.171, 113 | 219\% $41 \%$ |
| 18.8 | 227,761,6以 | $17,3: 16,776$ | \% |
| $1 \times 29$ | 224.767,111 | 50,249.115 | 204, 197 |
| 1839 | 263, 1614, 152 | 8,531,976 | 264,619, ${ }^{\text {a }}$ |
|  | 458,674, 5.53 | 22,314x, | $273,210,6$ |
| 10.32 |  | $15,027,910$ | 4.9, 4 \% |
| $1 \mathrm{NS1}$ | 326,475,125 | \% 4.461 | 29, |
| 15.75 | 567, 704,463 | 32,7, 9,234 | 3\%6, $10{ }^{\circ}$ |
| 18.36 | 406, 459,1057 | 31,739,76, | 268, 615 |
| 18.77 | $407.286,783$ | 59, 29,0 a | 36\%,4\% |
| 1 mis ${ }^{\text {c }}$ | $507,8.515$ | 31,611, 169 | 43, ${ }^{\text {anm }}$ |
| 1530 | 349,306,559 | 34,75235 | 3nen |
| lsil | 592,148,010 | 38,6;3,220 | 529 |

Cotton Wool Imported into, and Exymorted the United Kinydom, from $18033-60$, stut cu'ts.

| Year | Quantity fimperted | Quantity <br> Exported | Year | Quantity Imported |
| :---: | :---: | :---: | :---: | :---: |
|  | cwts, <br> $7,993,560$ |  | 1564 | 11,243,059 |
| 1851 | 7,324,617 | 1,161,126 | 1562 | 1.60\% 3 ,35 |
| 1855 | 7,624,071 | 1,110.4.30 | $1 \times 67$ | 8,97, 122 |
| 14.56 | 9,111,832 | 1,3199.722 | 1564 |  |
| 185\% | $8,654,6,3.3$ $9,23,198$ | 1,177,925 | (1865 | $8,31,919$ $18,9,415$ |
| 18.59 | 20,916, 5.31 | 1, | 1867 | $11,272,651$ |
| 1860 | 12,19,096 | 4,235,070 |  |  |

Previously to 1790 North America did ply us with a single pound weight of ram A little had, indeed, been raised in some Southern States, for domestic use, before volutionary war, but the quantity was quit siderable. In 1791 it began, for the first be exported; the triting quantity of 189
baring been ship snd 138,328 los, it feeble beginning There is nothing $i$ nare with its subse growth of the man

Acmunt of the IIm Hionl into anal fi

|  | ear linports |
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American eotton, whi ferally known by the mand. The first, which med iato Grent Britai ade islands and along t seh Carolina, Georgia, a

1"wnt sperifying the $Q_{\text {ut }}$
Kinyldom
Kinydom during t rass


Was for mony years the
The cotton woin when im
is indispensable that,
wibe kept at a low that,
reriously to 1831 it am to to ger cent, ad valore Why the repeal of the for woco. it was raised ine dint such a duty would hat the price of of the inferi
wance, justly coarse cood into 2s. $11 d$, porjected $t$
haring been shipped in the course of that year, in the staple, of an even, silk. texture, and is easily and $138,328 \mathrm{lbs}$. in 1792 . Such was the late and separated from the secd. Luluekily, it can ho feble beginning of the American eotton trade. raised only in certain sitmations; so that its quanThere is nothing in the history of industry to com- tity is limited, nud has not, in fact, been inereased gare with its subsequent increase unless it be the since 1805. The upland, of which the supply gurth of the manufacture in this country.
decment of the Imports and Erparts of Cottou Hool irto and from Great Britain, from 1697 10 1819. may be considered as unlimited, though of varying qualities, is all short-stapled; and its separation from the seed is so very difficult, that it it be done by the hand, the cottom is hardly worth the labour. This, however, was the only way in which it could be made avnilable for home use, or exportation, previously to 1793; and had anyone then ventured to irediet that $10,000,000$ lis.s, of upland cotton would ever be expmited, he would have been looked upon ns a visionary dreamer. But the genius of Eli Whitney did for the planters of the Southern States what the genius of Arkwright and Watt did for the manufactucers of lingland. He invented a machist by which the wool of the upland cotton is separated from the seed with the greatest facility and expedition, and by so doing laid the foundation of a new and most important branch of industry, and doubled the wealth and means of employnient of his countrymen! (l'it-kin's Stutistics of the United Stutes, p. 109, ed 1835.) Whitney's invention came into operation in 1793 ; and in $179.1,1,601,760 \mathrm{lbs}$, and in 1795 , $5,276,300 \mathrm{lhs}$, of cotton were exported. And so a,tonishing has been its growth in the interval, that the exports of cotton lirom the United States in 1858 amounted to the prodigions apgregate of $1,118,624,012 \mathrm{lbs}$ ? of which only $12,101,058 \mathrm{lbs}$. were Sea-Island. The value of this vast quantity is estimated in the official accounts at 131,386,661 dols. ! being nearly half the entire exports (293,708,279 dols.) of the United States during the same year.
American cotton, which is of two kinds, is sueally known by the names of sea-island and ghad, The tirst, which is the tinest cotton imtred into Great Britain, grows on the small div islands and along the low sandy shores of wath Carolina, Georgia, and Florida. It is long
sperifying the Qumutities of Cotton Wool Imported from different Countries into the United Kingdon daring the 24 Feurs ending with 1866, and the Total Quautities Iwported.

| Itas | Iniled states of finerica | 11razil | The <br> Mediterranean, including $\mathbf{E}_{k}{ }^{\prime}{ }^{\prime \prime}$ | $\begin{gathered} \text { Mrithh } \\ \text { Posesesionsin the } \\ \text { Easti lndies } \end{gathered}$ | 1Hritish West lmlies and Iritish Gnlana Gnblana | Other parts | All parts |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 14. | 75123 | \% |  |  |  |  |
| 洝 | 5-1,78, 5 | $18,675.12$ $81,061,714$ | ${ }^{\mathbf{3}, 671,07076}$ | $65,709,729$ $88,6,9,76$ | 1,260,111 | $3,135,24$ <br> $5,164+641$ <br> 1 | $6.3,1,19,16$ $606,111,301$ |
| \% | 666,6.51,412 | 20, $2157,6,633$ | 14,614,699 | S6,457,146 | 2,391, 17 | ${ }^{2}$ | 7420,39,9,3, |
| M18 | - $51011,599,99393$ | $14,46,321$ $19,3660,022$ | 14,278,4.47 | $31,5410,4.3$ <br> $8,9,93,614$ |  | $\xrightarrow{1,140,113} \mathbf{3} 38,587$ | 467, $4.86,971$ |
|  | (611, 217 TMM | 19,971,378 | 7, 731,461 | 84,101,961 | 640, 137 | 827,1136 | $713,120,161$ |
| 19 | 6315 | 30,738,1,35 | 17,369,813 | 710,438,313 | 914,517 | 1,1074,16.4 | 7, \%, 169, 012 |
|  | (193, | 30,9919,982 | 18,931,11. | - | - | 2, | ${ }^{663,56.861}$ |
| 19 |  | 26,506,141 | 48, | 81,922, 1332 | \% 113,6936 | 3,961,902 | 920, 882,448 |
| is | 634,431,996 | 24,1011,648 | 28,3,3,3,65 | 181, 18,1610 | 3010,28 | 2, 1181,162 | $881515,278,7,19$ |
| $\mathrm{Cl}_{4}$ | 722,151,101 | 19,97,6110 | 27,543,0,033 | 119,8.86,0,09 | 409,10 | 1,730,101 | 887,335,901 |
| ${ }_{\text {dis }}$ | - | 21,830,701 | 34,616,4818 | 1881,496,641 | ${ }^{46,492}$ | 6,9873,383 | 1,023, 486,304 |
| \% | 653,73640108 | 20,9110, 3 32 | 44, 884,111 | 4.30,384,111 | 1,443,36.8. | 7,9m6,160 | ,963,318, \$166 |
| \% | $833,237,76$ | 18,617, 872 | 3x,274,320 | 132,742\% | 367,8118 | 11,48,032 | 1,034,312,176 |
| , |  | \% 22, | - | - |  | 8, 803,660 | 1, $2,30,3878,752$ |
|  |  | 10,297),736 | 11,479, 2 , ${ }^{1}$ | 36, 3101014 | 485,320 | 9,0122,914 | 1,236, $, 188,736$ |
| 5 |  | 48,33,1088 | $63,238,529$ $107 \times 38,911$ | 392, 654,4828 | 722,735 | 17,002, ${ }^{13}$ | 323, ${ }^{3+3,936}$ |
| \% | $19.119,061$ | 36,117 | 147,089, ${ }^{\text {cx }}$ | Sin6, 327 7, 392 | 1 | 16,581,010 | 893, $64,5 \times 20$ |
| 迷 | 13, | - | 201019,981 | 416,977,600 | (2,051, 196 | - ${ }_{4}^{26,7,37,696}$ |  |

4 was for muy years the practice to levy a any daty on the raw material of so important a socotton wool when imported. The policy manufneture being deemed objectionable, it was eda a duty is, however, very questionable; finally abolished in 18.15. It had previously proit is indispensable that, if imposed at all, it duced between 600,000/, and 700,000l, a-year.
Whe kept at a low rate. For a number of The subjoined table shows in a very striking spreviously to 1831 it amounted (on foreign manner the progress of the manufacture in this at to 6 per cent. ad valorem : but, in order to comntry, and the fall in the price of cotton wool. anp, in part at least, for the loss of revenue The manufacture declined in 1847, but that was ahy the repeal of the duty on printed cottons whally owing to the deerease in the supplies of 4co , it was raised in that year to 5 s , 10 d . per raw cotton from the United States in 18.16-47, Such a duty would have materially af- and the consequent riso in its price. The decliue dthe imports of the inferior speeies of cotton during the Civil War was still more remarkable. the price of coarse goods; and being, in We are glad to find that under $31 \& 32$ Viet. mence, justly objected to, it was reduced c. 33 (1868) provision is made for the collecWto 2 s, $11 d$, per ewt. But the imposition of $\mid$ tion and periodical publicalion by the Board of

Statement of the Imports into, the Exports from, and of the Consumption, Prices \&c. of Cottun Hout in, Great Britain, in different Years, from 1825 to 1866, both inelusire.

| Average Weekly Consumption | 2.5 | 18.30 | 5, 3.5 | 18411 | 1845 |  | 1855 | 1858 | 1466 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Upimad | 3,713 | 5,154 | K43 | $13 \times 51$ | 7,443 | 4,150 | 7,809 | 6,115 |  |
| Uritans and Mlabamas: | 2, 316 | 4,736 4611 | 7.843 | 13, $3 \times 1$ | 17,169 | 15,888 | 21,319 |  | 17,917 |
| Total Unlted States | 6,515 | 10,665 | 14,17,3 | 19,592 | 21,504 | 20,: 67 | 30,278 | 31.454 |  |
| [ ra alt | $2{ }^{2}$ | 3,6012 | 2,3,39 | 1,411 | 2,192 | 3,310 | 2,198 | 2.194 | 6, ${ }^{\text {a }}$ ] |
| Euypt | - 801 | 908 | 1816 | 2,447 | 1,1669 | 1,342 | 2, 2,389 | 1,749 | 3,64\% |
| Eemerara, West india ise. | ${ }^{1}$, 686 | 961 $2 \times 1$ | 1,064 | 2,427 | 1, 3,31 | $3{ }_{141}$ | ${ }_{5}^{51 \times 3} 1 \times 3$ | 6,4111 | 17,3\% |
| Total | 11,5] | 16,012 | 18, $31 \%$ | 24,065 | 34,287 | 29.145 | 40, 1013 | 11,417 | H, |
| Packages anomally consmmed | 599,600 | 832,100 | 954,100 | 1,251,500 | 1,551,100 | 1,511,510 | 2,101,000 | 4,171,500\% | 3, 10.0 , 48 |
| sumed, in libs. | 278 | 298 | 333 | 367 | 385 | 388 | $3 \pm 9$ | 417 |  |
| Weekly consanpution tn puckages, average 417 lma . | 9,788 | 13,311 | 11,936 | 21,175 | 27,955 | 27,099 | 38,6:8 | 41,817 |  |
| Average weigh of packagen imported, in liss. |  |  |  |  |  |  | 3, 30n | 11 $4 \% 17$ | ift |
| Packages cuported <br> Lisn, weiglit nnnaatly inported | 72,40k | 35,140 | 104,400 | 119,700 | 122,810 | 271, ${ }^{\text {P100 }}$ | $316,3 i n$ | $314,700$ | $1,1=4 a_{1, i} r_{2}$ |
| Lism, weilits nnuatty imported | 22 |  | 361.7 | 38. | 716.3 | $63^{3} \cdot 6$ | $901 \cdot 1$ | 1,025 5 |  |
| Lhw, weight consumed la milltons |  |  |  |  |  |  |  |  |  |
| Libse weight in purts, lie |  |  |  |  |  |  |  |  | 96゙i |
| millions mud tents |  |  |  |  |  | 104.1 | $: 7$ | 13\%1 | 2095 |
| Coma weinht ind tertha |  | 118*8 |  | 2076 | 4:35 | 231 |  | 1599 | $5 \cdot 1$ |
| A verage price per IL. of Uplands in liverpool | 11 -fid. | 6.9 d |  | ct. | 375 | i]d. | 53. | $f 1 \mathrm{dd}$. | e, ${ }^{\text {d }}$ |
| A verase price per It, of Pernams in liverpool | 13.1t. | ns. | H.ld | Old. | 6.5750 | I. | $d$. | Sld. |  |
| Averago price per IIs. of Surats in liverpuol | B -9t. | 5.5. | 7 hr . | $4 \cdot 6250$. | 31. | Sht. | 340. |  |  |




Trale of statistics as to the guantity of cotton mported into the United Kingdon, and the quantity removel by sea or land from and to, and held in stoek at the severnl ports.
An Aetount of the Quanity of Cotton Fixported from the United States in rath Year from $18: 1$ to 1861 (both inclusive) and in 1866-i ; shotcing its Areroge P'rice per lb, and its Gross Value.

| Year | Exporis | $\begin{aligned} & \text { A verage l'rice } \\ & \text { peer th. } \end{aligned}$ | 'Tothl Value |
| :---: | :---: | :---: | :---: |
| 1821 | 1214905005 | cents $16 \%$ | dols. |
| $1 \times 2$ |  | $16 \%$ | 21, $10.50,108$ |
| 1.463 | 173, $4 \times 3,270$ | 11.8 | 20, 115,5\% |
| 1824 | $11 \% 3669,643$ | 15.4 | 21,917,40! |
| 1825 | 176, 19,907 | 809 | $35, \times 16,0413$ |
| 1¢86 | 2014.6,35, 115 | 12.4 | 2.5,422.211 |
| 1827 | 204, $510,11.5$ | 10 | 29,3,9,515 |
| $1 \times 28$ | $2110,590,46,3$ | 10.7 | 22,187, ${ }^{2} 211$ |
| $1 \times 29$ | 26i1, $5.37,186$ | 10 | 26, 5 \% 2,311 |
| 18.319 | 21,8454, 102 | $9 \cdot 9$ | 29,67 4,843 |
| $1 \times 31$ | 276,979,-81 | $9 \cdot 1$ | 4.5, $2 \times 9.192$ |
| 18.32 | 342,215, 182 | $9 \%$ | 31, $92,10 \times 2$ |
| $1 \times .3$ | 344, 613,604 | 11.1 | 36,191,10; |
| 18.31 | 3x1, 17.0107 | $1 \mathrm{~L}^{-1}$ | 49,418, 102 |
| 18.3 .5 | 347, 3 Sx, 998 | 16.8 | 6i1,961,302 |
| 18.56 | 123,631,307 | 16.8 | 71, 24.419 .923 |
| $1 \times 37$ | 141,211,537 | 11\%2 | 6.3, 2411,162 |
| 18.38 | 695,95\%,267 | $10 \cdot 3$ | $61,551,811$ |
| $1 \times 39$ | 413, 21,212 | 11.8 | 61, 2.579 .984 |
| 1810 | 713,911,0171 | 8.5 | 6,3, 2 E0,307 |
| 1811 | 330,204,100 | 10.2 | 5, 3, ${ }^{\text {c, } 311}$ |
| $1 \times 12$ | 3n, 17 , 117 | 8.1 | 77,513,464 |
| 1813 | 792,247,106 | $6 \cdot 2$ | 49, 119,861 |
| 1841 | 66.3, $6,33,13.5$ | K.1 | \$1,06.5,40t |
| 1415 | Ni2005,946 | $5 \cdot 92$ | 31,739,613 |
| 1816 | 647,568,155 | 7.41 | 42,767,311 |
| 1817 | 327, 219,968 | 10.34 | S.3, 11.5 .848 |
| 1848 | 814, 7 7, 1, 131 | ${ }^{7} \cdot 615$ | 61,934.291 |
| 1419 | 1,1226,608,26i9 | 16.4 | $66,3946,967$ |
| 1850 | 6.33,581,601 | $11 \cdot 3$ | 71,981,416 |
| 1851 | 927,237,1034 | $12 \cdot 11$ | 114,316, ${ }^{\text {a }}$, 17 |
| $1 \times 52$ | 1,093,2,20,634 | $8 \cdot 15$ | 87,965,732 |
| 18.53 | 1,111,570,370 | $9 \times 5$ | 109,456, 164 |
| $1 \times 51$ | 1987,8.33,106 | 947 | 93, ${ }^{196,420}$ |
| 1455 | 1,608,121,601 | $4 \cdot 71$ | 84.133, 814 |
| 1855 | 1,351,431,701 | $9 \cdot 49$ | 128,382,3.31 |
| 18.57 | 1,045,252,175 | 14.5.3 | 131,575,879 |
| 1858 | 1,118,6\%1,014 | 11.70 | 1.51 , 386,6,61 |
| $1 \times 59$ | 1,586.468, 36 | 12.72 | 161,131,923 |
| 18G:1 | 1,767,6886,338 | 111.85 | 191,5016,55.5 |
| $1 \times 61$ | 307,516,099 | 11.07 | 34,0.51, 18.3 |
| $1 \times$ ¢fici | $686,660,514$ | 27 | 185,398,419 |

3. Proportion of Coarse to Fïne Goods.-During the 20 years ending with 18.16 the cotton manifacture underwent a singular change in respect of the arerage fineness of its products. As successive improvements were made in the construction and management of machinery, and in the ex-
perience and manual skill of the work-people, the proportion of tine to coarse yarns and fabries migh have been expectel to make a corresponding increase, whereas it was, on the contrary, bery greatly diminished. During the perien redfrrealio the consumption of cotton increased nearly fomp. foll; but the quantity of tine yarn producd (i,e. of yarm nbove sixty hanks to the pound), insteal of keeping pace with the increasel consumption ol cotton, really molerwent $n$ jositive anal by to means inconsiderable reluction. For a number of years no new estahishments for the production of tine yarns were formel: but in Manchester alone abont 20 mills that had been employed chieth or entirely in line spinning were given up, ur dio voted to the prodnction of coarse yarns. 'lusome extent, no doubt, the diminution of prodnce arising from this cause was comntervailed by an inceres in the speed of the machinery at work; but afo making all reasonable allowances on that sore there can be no doubt that the total produce of tine yarn was materially decreasel. This corclusion is strengthened by the fatling off whid took place in the imports of siea Island cottur, which is used almost exclusively in the prodution of very fine yarn.

Account of the Produce of the Cotton Crops of the United States in the wndermentiont I ears, fron 1827-8, clowneurds.

| Vear | Total Crop | Yent | Total Crop | Year | Total Criol |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 | $\begin{aligned} & \text { bales } \\ & 714,1 \mathrm{H}, \mathrm{n} \end{aligned}$ | 1814-15 |  |  |  |
| 1834-31 | 1,03x, $7 \times 8$ | 1819-16 | $2,100,537$ | ${ }_{145758}$ |  |
| 1831-.35 | 1,254, 12\% | 18.16-17 | 1,7:8,651 | 1859-fill | , $66 \%$ |
| 1535-36 | 1,3(in), 2.3 |  | 2,347, $\mathrm{F}^{2}$ 2 | 1460-61 |  |
| ${ }_{1 \times 36-37}^{1836}$ | 1,842,930 | 1818-49 |  | - 1461-62 |  |
| ${ }_{1838-39}^{1837}$ | 1,501,997 | $1889-50$ | 2, 0160,715 | -1802-fi3 |  |
| 18.39-10 | 2,177,835 | 18:1-512 | 3,015,124 | - ${ }^{665-61}$ |  |
| 1 $\times 110-41$ | 1,6i3. 1 ,945 | 1852-53 | 3,262, $\times 4 \times 2$ | 18is-66 | 4,13, ia |
| $18.11-12$ | 1,683,574 | 1535-6.4 | 2, 4331, 617 | 1866-67 | 1,45, 2,49 |
| 1842-13 | 2,3ix,573 | 18.54-55 | 2,84i, 593 |  |  |
| 1843-4 | 2,032,409 | 1855-56 | 3,547,815 |  |  |

* Estimates.

This change in the average fineness of cotto fabrics could not be ascribed to forcign competi tion, for fine spinning is precisely that brach d the trade in which English cotton-spinners wis
"veel their rive furiga countri , luding coarso whetimes uttr hanges of tas purate disudy moturige pirssui ad proceeded te accounted for hat powerful ma wration, other could not have th wheutss of the $y$ a tho meatis sb that the reduction priee of silk, athels bents which have find of Norsted f filte imflume it mitons. The main hefoud in the gre in the price of ra eading with 18.16 , cheapaess of stout tivis conclusion has cumstances unter w ince 1816 . The st (8) Here at onee de pried. The cost of tain comparatively la sequently rose in a thon. The spimers e efiects, parily by ceas coanest falries, and p. the finanese of their $y$. what an estent they, anie of pices. It is .ncer Id, per pound veedily anll invariabl lanks in the avera hee ram per poumel. dit Falue of the Brit Aftreut perious. Ame Perans employed in wet beatle to form a the present value of , the amber of person: crartuments; but the da re funded bring nece. sibibe to arrive at any pishonever the follo
very
vide of the In 8877 Mr . Kemnell sturer, ia a paper puil Manactions, estimated
 H10,itis; the aill the Mos as equal to the pi number of spindles heiriedy firther
 Hibe quanatity of cou enent for the year 1
louided King iom
illo. pinning estimated is
mity of rarm pro
whand inf riatecer

Rumbereave thanispor
iber of person
th to prociucen 120 bationed ins
oporer employed, equal in ni
per day equal to I horsedece
it the colton manuf
ely since 1817. Mr
wel their riva's abroad; and the tarlfis of most fireigh conntries are framed in the view of exduding coarse rather than tine fabrics. It was sunctimes attributed to one of those capricious danes of tasto unt fashion which fremuently dampes disalvantageously on particular mantifactatig pursuits ; but it was too long inoperation, and proceded too graclually and minformly, to be a) accounted for ; and it is abondantly eertain that powerful natural catses must luave been in mation, otherwise so extensive an alteration "hath not have been brourhit about in the average incuess of the yarn proliteed. 'These causes are hin means ofwious; but wo incline to think in tuction which las taken placo in the rice of silk, and still more the prodigions improvements which have been made in varions descripthus of worsted fatrices, lave had no inconsiderable jnthence in lesseninf the demand for fine mituns. 'The main cause, lowever, will, no doult, whound in the ereat realuction which took place in the price of raw cotton during the 10 years ending with 18.16 , and the eonseguent greater dheapness of stout and servicenble fabrics, And this conclasion has been fully veritied by the cirmandes under which the trade has been ulaced cumce 1816 . Tho supplies ol cotton in 18.17 and
sind is.0) were at onee deficient in quantity and highpried. The cost of the heavier fabries, which contain comparatively large quantities of cotton, consementic rose in a nearly eorrespondinu proportinn. The spinners encleavoured to obviate these effects, parbiy by ceasing to produce some of the coabsest fabries, and partly by generally increasing the tineness of their yarn ; and it is astonishing to whe anextent they are thus able to countervail a rise of prices. It is found, in fact, that an advance of ld. per pound in the price of the matering spedily and invariably causes an inerease of 2 or $3^{3}$ hanks in the average protuce and fineness of the yam per pound.
t. 'Galue of the British Cutton Manufacture at different periods. Amount of Capital and Number of Persons employed in it,-It would be very desirble to be able to form a tolerably aceurate estimate of the preseat value of the cotton mannfacture, and of the number of persons employed in its different lepartments; but the data on which such estimates re founded being necessarily very loose, it is inpesible to arrive at anything like precision. Peraps, howerer, the following calculations may not e very wide of the mark.
la 1817 Nr. Kennedy, a well-informed manucturer, in a paper published in the Manchester ransactions, estimated the number of persons emloved in the spiuning of cotton in Great Ifritain is 0,63 ; the aid they derived from steam entbes as equal to the power of 20,768 horses; and e number of spindles in motion at $6,615,833$. fr Kemedy further estimated the number of nks of yari annually produeed at $3,287,500,000$, d the fuantity of coal cousumed in their proction at $500, \sqrt{7 i})$ tons. We subjoin Mr. Kennedy's tement for the year 1817:-
frited Kingitom conted into yam in the $110,000,000$ in spinning estinsated at $1_{2}$ oz.

10,312,500
nuty of ram proluced
nhbo of hanks, taking the average at $40{ }^{\circ}$ per ib.
iber of spindles emplinved,
ober of spindes empinyed, earh spindle being
yin the year
Ch to produce 120 hants ner day
ch to produce 120 h hanks per day

- of coal estimated to produce 1 liank of No. $40^{\circ}$; and 1301093.768 A pet day equal to 1 horse power.
Sut the cotton manufacture has increased imhely since 1817. Mr. IIuskisson stated in his
wace in the Itonse of Comnnons, in March 1821, that the total value of the cotton goods anit yarn then ummully manutactured in Great Iritain
 be mo manner of doubt that this estimate was greatly overated; and wo do not think we should the warranted in estimating the whole annual valuo of the products in question in $185 \overline{5}$ und 18:38 at much more than $52,000,0001$. sterling. If, indeed, we took the inerease in the import of tho raw material as any test of the inerease in tho value of the manufacture, we should estimate it a groat deal higher. But the improvements that have been mate in the dillerent processes, and the fall in the normal price of raw cottou-for the prices protuced by the cotton faniue must, while we are takings a gencral view, be hold to be quite excep-tional-have had so powerful an inthence in reducug the price of the gooly brought to market, that, not withstanding the inercase of their yuantity, it is probable that their total value lias increased but little for a considerable time past. It would appry from the annexed table (IV.) that the value of the cotal exports of cotton manmfictures and yarn amounted in 1867 to $70,8.43,692 /$.

Value in 1858.-In the last edition we ottered tho following statement: The average annual ruantity of cotton wool imported, after dellucting the exports, may be taken at about $850,000,000 \mathrm{lbs}$. weight. It is suppowel that of this guantity abount 100,000, nue lbs. are used in a raw or half-manuthictured state, leaving a balance of $750,000,000$ lbs. for tho purposes of manufacturing, the cost of which may be taken, at an average, at $6 d$. per lb. Delucting, therefore, from the total vulue of the manufactured goods, or $52,000,0001$., the value of tho raw material, amonnting to about 18,750,000l., there remains $33,250,000 l$.; which, of course, forms the fund whence the wages of the persons employed in the various departments of the manufacture, the protits of the enpitalists, the sums required to repair the wear ant tear of buildings, machinery de., the expense of coals, oil, flour for dressing \&c, must all be derived. If, then, we had any means of ascertaining how this fund is distributed, we shouid be able, by taking the average of wages and profits, to form a pretty accurate estimate of the number of labourers and the quantity of capital employed. But here, unfortunately, we havo only probabilities and analogics to guide us. It may, however, be confidently assumed, in the first place, that in consefuence of the extensiye employment of highly valuable machinery in all the departments of the cotton manufacture, the proportion which the profits of capital, and the sum to be set aside to replace its wear and tear, bear to the whole value of the manufacture, must be much larger than in almost any other department of industry. We have heard this proportion varionsly estimated, at from fo to 务 of the total valuo of the manufactured goocls, exclusive of the raw material; and as the weight of authority seems to be pretty much divided on the subject, we shall take au intermediate proportion. Assuming, therefore, that the profits of the capital employed in the cotton manufacture, the wages of superintentence \&e., the sum required to replace the wear and tear of machinery, buildings \&ic., and to furbish tlour, eoals \&e., amount together to $\frac{1}{2}$ the value of the manufactured goods, exclusive of the raw material, or to $16,625,0001$., a sum of $16,62 \overline{5}, 000 l$. will remain as the wages of the spinners, weavers, bleachers \&c. engaged in the manufacture; and taking, inasmuch as a large proportion of women, and children under 18 years of age, are employed, the average rate of wages at only $32 l$, a-year, we IIII

## COTTON

466
shall have (dividing $16,625,000$ by 32 ) nearly 520,400 as the total number of pertons of the employed in
manufacture. .
We should mistake, however, hataly is, eomthat this number, great of persons to whom the prised the whole numberidies subsistence, exelucotton manufacture furnisies sum of $16,625,0001$. sive of the eapitalists, of the senitalista, and the sum set apart as the profit orol, and to defray the wear required to furmish cos, se, a largo proportion and tear of machinery in paying the wages (1) must annually be laid out in pas-fenders, siniths, engineers, machine-makers, \&c. It is not easy to miners, masons, broportion may amount to ; hut say what this proport, and supposing the rate of taking it at $3,000,0002$, and to average $500, n-y \mathrm{car}$, wages of each indivitua to in the varions capacithe total number employed in the divided by 50 ) ties aluded to wom of $13,625,0001$. Will remain to cover the profits of the capital employed in the various branches of the manumeture, buikdings as different parts of the machine conl, Hour, drugs \&c. tiey wear out, and to buy eon, hour, dron might This is a mueh more. Fleur is indispensable in the be at first supposed. dressing of webs; and we are not less than 300,000 consumption in this way is not will, therefore, stand barrels a- year
as under:-
Total value of every description of cotton goods annually Total value or every deser Grimain
maninfactured in Great Arin
 Haw materlal, $7,0,0,00,0$, ers $A \mathrm{c}$. a 3 Stht a year each
 smiths, masons, Jomers. Profts of the manufacturers, wases of supereant of the manufacturers, wag,
intendene, sumsto purchase the materials
of machinery, cuals sce.
The capital employed may be estimated as follows:Capital employed in the purchase of the raw material : Capital employed in payment of wages and hand-looms, reted in spinning mile, how hand sec. -
$\qquad$

Vow, this sum of $52,000,0007$, supposing the inNest of capital, indusive of the wages of superintendence \&e., to amonnt to 10 per cenl. wided ricld a sum of $5,200,0001$; Whit, leaves $8,425,0001$
 to defray the waste of cepary in the employment of dressing, the eoals necessary ins enances, to jurchase the steam engines, to effect ing olngs, and to meet
$\qquad$ 4, (9hl, 800 $8,10(1,101)$ $40,000,0100$ $\frac{4}{5 \cdot 52,010,10,109}$
he above estimate, is $19,625,0001$. ; bitt there ares not masy depmrtments of the misiness in whin wages have to be advanced We therefore indine before the artiele is mold. is a sufficient (nerian to think that g, for the capital employed in too great) allowance
the prymont of wages, some that this estimate is It nay be said by some that therated; but we under, and by others that it believe it will be fomul to be neary be bittle in "xplow. if ny thing, it harisuon's nuthoritr, we extimatent. Misled by Mr. Iftisk of this work, the sabue of the in a former edition of th produeed in the lenism cot(on stufis and yarn prodent, but firther en Kingdon in 188, , wath that estimate was h. quiry has eons. and it is to be borne in mind, that ond the mank amption of raw cotton has rawti uncreased sinee 1834, there has been in the inter nureased sine widerable fall in its price, and in the val a very prices of the mannfacturods and yarn expurtion in value of the cotton $39,03,4201$; and dedueting this 1857 amomntel to 3 , amm from the assumed $15,100,0010$, for the vatio ( $5,000,000 l$.), we havel at hone. Aul we are il of the cottons. consm his is pretty near the mar elined to think that the value of the home ena It has been said the amount to for the exporte sumption does not amonly to the weidht of ou and though, if we retainel at home, this aseen tom export may be nearly bulk of the goods for home we that the freat bubric, and more eostly than the of a superior Oa the whole, therefore, we sent abrom. disposed to behere of the products of the birit sent (18.5x) value at $52,000,0001$. a-year, wis cotton mamufa,tuol for the value of thase leaves 18,00, we shall not eommit any sumed at home, serious crror; and moicrate others pat forth appear, as eompared whikingly erinces the the same subject, it striking and importance of the manamatel (in a M.P., of Manchenter, estimeintion in $8 \times 5$ read before the British Association at lione value of the cottons conseme value of the ma $24,000,000 \mathrm{l}$, making the ent, Be 000 . But, deo facture $63,000,000$, or such an authorits, the leference due this in 1858 was a great have no do
Wie borrow from a eircular of Messes. and Co , of Nanchester, one of the mest pal published in the empire, the following staten in
printingr, yyeng,
all other ontroings, The of wares, according to countries.



It is seen from this table that Great Britain contimed to maintain her customation from 1850 in this department with reality, however, our progress wis a rool deal greater in that period than it appears

Annexel is a tahl chasmption of cutto
11. Consmmp

falue in 1866-7. mol, the well-known eo bure onade, for the yrar cslulations as tho val masufacture. These cal Nerauly certain element 4) the cotton imported. dy yarn and piece g

IIL. An Estimate of the 1 Briturin, with the Profits, for the Yea
ittar consulunel
Whate in spinning
Tusp procuceed

stamed for hume consumpumpion instock -
Toud produced
mined value of yarn exported rap, preve goods, apparet s. mited walue of hame con supplion \&c.
rota ralue of goods produced mut colton consumed
mos ware and other ex
Totaleapenöiture
iurceleffifor interest of capital
Allomance beingr made for 4 children \&e., depende thred in the varions depa tikture, and in the consi tiary and buildings req uist fumish, on the above from $1,000,000$ to 1,2 his new and most prolitie indebted partly and pri nindividuals; bind inary security of jroperty and d give eontidence and ent in industrious undertaking diffusion of intelligence : argy on any work to pro tinto their service, and $t$ mactive capacities of whic Tould be wholly ignora Cffect that the sudden o atable a field for the emp? lurus of Laneashire and whats of Lanenshire and Here tliceotton manufac has been most st rikin timatel to contain 27,24

## COTTON

Annexed is a table stating the averame ana
cosumption of cotton in bales and ILs., and the inantides derived from each varce of supply, dur


rool the well-known cottors. Elison and hayture made, for the years asculations as the value of mandacture. These calculations are based cotton werally certain clements. We know the upon th the cotton imported. We Wnow the cost of the yarn and piece goods exported the value of

Britnin, with the Coytht and T"alue of the Tiotel Pronluction of Cottous Me
Irafits, for the Years $1850-66$.

s dillen se for old and infirm per-
tharedin the various depart on those actually
nuffecture, nud in the copartments of the cotton
bhatry and buidtine construction, repair de. of
rait firmish, on the above hered to carry it on from from,000,000 to 1,200 houthesis, sulsistbisisner and most to $1,200,0100$ persons! And indebted partly prolitic sourec of wealth we mintoted partly and principally, as already or ind the extraordinary genius and ta!ent of rimdividuals; but in a great degrec, also, to thity of property and freedom of industry in industrious under and energy to all who emi indifustrious undertakings, and to that unimiftusion of intelligence which enable: thos arty on any work to press every power of Whetive eapacities, of and to avail Chemselves teuded be wheities of which a less instrueted Truda be wholly ignorant
fatable a ficld sudden opening of so vast wathe a field for the employment of eapital furus of Laneashire population of the diftiwhere the cotton manud Lanarkshire, the on has been most strikiug isprincipally p,the townsbips of Manchester In 1774, for timated to contain $27,2 \cdot 16$ inhabi Sulford

> the home comsumption.
partion of waste to raw material is a matter of the quality of ditferent the who are familiar with to arrive at a very close extes. Nor is it ditlienlt stmption. Tho weight estimate of the home conloss in manufacture can be exports is known, the remainder must, on can averascertained, and the

## Chatr renssumed <br> Tur perdiced <br>  ansock . <br> Puimp ralue of yarn exported <br> novered vilue of home. <br> каpluan ac. <br> Esd toten consumined <br> Paes: <br> Anceleff fior interest of capital

$\qquad$
arly proticioney, though it misht linve emalome 468
 to $x$, no :
 anl, in enn in

 \{061, to 43,43 . The prowne has beell equally

 mily $42, x^{2} 2$ inhabitants; in $|x| \mid$ to $2 \pi \mid$, 5od; in


Thungh comerfinl requisites tor the suceess of access mand matares, the lomatifes in whichpeculiar buminesses are ewtablishad would reemt to dupend as muth on acedent as on nuything else. No semt for exmmple, shamblamen the har 'ware, liradof the cotton, Birmily, hann of of the eloth trade? ford of the worsted, mad hedranswer can be given We apprehend than that, from necidental or into this question than the businesses referred appreciable circumstare establishad in these towns, to happened to be cartion havius been found to be nud thint their stited for the improved processes peculiarly well fited have presersed their carly
arried lin in kent, lave bern in the end abandoned. arried hation the furd furtume to possess, in ahdibut havlof the fomberar skill in the ir respective ton to carly am. pums nod mpliances required tu trades, nll fir wather mancement, their progress secure their farther and extrauritinary, and theis has heen continubut and exore undisputed than at shpremacy forme
 , 1 , xil wert iturted in Lameathire; Manchester bemith the ituate in thacale, The rematalur fintories metropulis ot the trade, fin the Weat lidiug of were princ Cheshire, and Jerbyshire.
The eotion truble of scotland, which at the emed ferred to had 152 factories, is mostly rewricted to referrod conaties of Lamark and Kenfrew, and that of the cominties of is tritlings) to Antrim. Wut while Ireland (which is trite years been very granly the buiness has ar extended in Enghand fallen off in Ireland, in which, indeed, it never had any considerable footing.
of later therity. Ilal finey been situated in districts sujperity
without coal, or eompuratively inatecessible, their
f Dritish Cuttr Mannfictured Goods, Tuest,


live the embroblery sis then sent to are sumbly the paxantry, rjul) It is not ronsy taner resulting to tha fen froll this cmiphoyment me weln are returned 11 Whowl and dressed, into dithirem artisles. wowld are exported ts Iallata.
in. larpurts of Cotton Prites aso-l bown to ethen goods, of rather tilly of entlom, was sor Wey hardly attracted the ther emmereial writer pion of Irkwright locera yeratien, the exports iner rapidity, It the comme mutury thy were hearly if Kudlens, the prodice manufacture of the cou exjurt of woollen rood erally sinue $1 \times 00$, that 0 bas incrase! so much n abuat three tilnes the am coscitutes, inderd, abrivo walexports of the United Nithing can set in a able the astomishing fall I the price of cot ton foots si arexports of wove cotton
 Bishathm. ; wherens in 18 banes had merrased to 2, teirdeclarel value to 57, : dunture, that while the ex ve mure than 10 times ats gr 8ivercent- Their value ha mio of atont $13 \div 2$ to $57 \%$, ent. Hence, supposing 100 4 13 s , 2d 2 in $1820,250 \mathrm{y}$ tlittle mure than 13s. Gd. This extraorlinary reduct more striking before th Ditought about partly b
taken phace in the price nime of the fanine being n rur of coneser fabries, a ally by the wonderful inn e manufacture. In consed ting circumstamees, cotto ap. that there is harilly ni wa to be mable to supply mantly with them. Thi 3 and added to the cor of the female part. of $t$ of this, but niso of gree and to an extent int
i: cotton goods nre not 0 or the people of this co to conntries where no terer been seen. In the as of common cotton clor accouats of Speke and I aency, in which values a shats made.
tould farther be borne in
in the price of its prod vented extension of the $m$ is to be ascribed; and that, notivithstanding the wages nor profits of mess have been dimini \$have been prodigiously
industry, and equalled by very few. In nll, about $\begin{aligned} & \text { se embroidered pass between elhgraved } \\ & \text { ind } \\ & \text { driven by steam engines, which mark in }\end{aligned}$ fifty houses are engaged in the trade; and the
line the embroldery to be exceuted, and they are thell sent to nyents, whe tivaribute them anung the peasantry, whare patil by the pinere afol, It is not may to exaggerate the advan. taterenalting to the female part of the popmation fom this emplayonent. Afore luing cmbroiderent, the wels are rebintued to Cilamgow, where they are Whollod and dressed, and gometimes male ul into ditherent articles. A large proportinn of the gont are exported to the l'nited shates and Canala.

 ontur forks, or rather of gromh comsisting parrislly of eotton, was so very ineonsiderable that they hardly attrated the lenst attention from any diut comimereial writers. lhat after the livernpinh of Drkwright lergan to come into generat aration, the experts increncel with uny sechented pridity, It the "ommencement of the present contury thy were nearly as large as the expores of wailerns, the produce of the mid and staple Ennfacture of the conantry. lint though tho exputt of woollen roods has ineremsed eonsiatraty wince IXth1, that of eat tom gools and yarn wincreased so muld more that it was in istit bont three times the nuonmt of the other; and anstitutes, imblewl, nbuve one-third part of the talexports of the United Kinurlon.
Bothing can set in a clearer light than this thle the astonishing fall that has takern phare in the price if cot ton goonds since 1820 . In that year eurexports of wove cotton falries amounteil to
 3: 4 , $901 /$; whereas in 1866 the exports of wove the had mereased to $2,5 \pi 5,698$, lits yards, and twit declared value to $57,40 \mathrm{~B}, 2001$ ! It appeara, Lurefore, that while the exports of wove cottons venure than 10 times as great-havi- a fincreased 3nerent.- their value has only inereased int ite trion alont $13 \times 2$ to $\overline{50} ?$, that is, abont 338 per at. Hence, supposing 100 yards ealico to have at 33 , wh. in 1820,250 yards may now be had alitle more than 13s, tid.
This extruotlinary reluction-which, however, mane striking before the cottoll famine - has knbought about partly by the heave fall that s aken phace in the price of wottun wool (the
fond the famine being abnormal nut exceppnall, partly by the public taste setting more in Fwar of coarser fabrics, and partly and prinFlly by the wonderful improvements made in manafacture. In consequence of these couring citcumstances, cotton goods are now so ap, that there is hardly an indivitual so very tas to be unable to supply himself or herselt mantly with them. This has improved the as and admed to the comfort of the great
if the female part of the popmation, mot ex. of this. but also of other countries, in gree and to an extent not easily to be imad: cotton goods are not only readily procurbe the people of this country, but aro exW to countries where no linropean hat till fever been seen. In the interior of Africa, the of common cotton eloth furm, aceorting escounts of Speke and Livingstone, a kind meney, in which values are expressed, and zats nade.
thonld farther be borne in mind that it is to oll in the price of its products that the mnzented extension of the manufacture in this In is to be aseribed; and it is satisfactory W that, notwithstanding the fall of priees, the wages nor protits of those engaged in kiness have been diminished, while their \$hare been prodigiously augmented.
V. Account of the Offinial bolue of the Collon


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The following tallo (VI), compitad from the returise of the lamard of 'Trmbe, shows the distribution of lititi-h cotton mamlantures war the world, the total grantity of sull manufactures rembmed when juswible by the yard, ated the total value of all motton froma, induliner twint and yarn. The quantity, thogh mot matorially dillerent tron that stated in the pheredinter rifion of this work, is largely increased in value, owing to the for a timu qreatly enhanoed price of the raw material. 'lhis is still more manifest in the case of cotton twist and surn, the gmantity of which was 178, shla, his llis. in
 1sist, while the value of the lirst-hamed quan-

 only.
huch being the vast extent and importance of the cutton manfacture, the probability of omr preserving our ascondeney in it becones a vers minteresting topie of enquiry. But it is olvious that a great acal of eomjecture must always insinuato itselfinto our reasoningy with respect to the future state of any branch of mamfacturing industry. They are all liable to be atfected by so miny contingent and unforesen circumstances, that it is impussible to predicate, with anythingr like certanty, what may be their condition a few years henee. It is not to be denied that a business which depends in so great a degree om foresinn demand, and which may, eonsequently, be materially influencel, not only by for"ign lenislation anil toreign discoveries and inventions, but also by the mitations of fashion at home ame abroad, is in rather a perilous situation; and that thase dependent on it mist necesarily be exposid to the most tryiur vicissitudes. 'These, no doubt, are natural to all businesses of this description and may not be of a kimi to slake the stability of the manufacture, or to emdanger our superiority in it, provided they do not tisturb trauquility at hone. Int when a vast number of personts depend on a manufacture, the privations to which many of them are not unfrequently exposed, nul the efforts that are mate to intlame their prejudices by representing their sufferings (which in nine out of ten instances spring from necidental or uneontrollable causes) as the result of vicions legislation, the tyranny or seltishmess of their masters, and bad institutions, may casily lead them to commit outrages. And if that feeling of security which has lef to the investment of such immense sums in mills and machinery should onee be seriously impaired, the fall of the manufacture might be even more rapid than its rise. Anything that tends to keep alive and encourage disaffection and agitation is the bane of every country, but especially of one so deeply engaged in manufactures as this; and while, therefore, it is the bounden duty of Government to endeavour, by modifying or suppressing prohibitions, and

COTTON
VI. An Account of the Quantities and Declaral Vulue of British Cutton, Manufuctured Goods, and Farn, arported from the United Kinglom, distingmsting he 1805.


Our master mamp alvantage in our favonu artisans are mure is facturers, engineers, and arovising than theed telligent, skillul, and entere extraordinary inve any other country ; and the extrand ther familiant tions they have arready mad details of the buines with all the principles am to perfeet the pruese will not only enable them hardly fuil to lead totit alrealy in use, but cau hark establishments th diseovery of others. Our estableching \&e. spiming, weaving, pion and perfect than intinitely more complete division of labour that exist elsewhere; the domparably greater er them is carricatenen are trained from infune? tent; the workmen are have attained tha dexterity and sleight of hand in the perfutmuy of the separato tasks, that call olly be the a by long and unremitting application all these employment. Why, then, should we not keep b vantages on our side, sy gained? Every start we have to se manufactures n people that attempt to set up mand dificultio peopieusly labour under the greatest
at first, be suffici of (anpluy ments $t$ estant, at the : mamipulation an prowesses, can to It appears, theret suld hew begin cmpetitun of th a very high degr le immedintely di accesille to both the aid derived t prohibitions will destruction of the where they are se
The cotton ma lately prissed, as thruyth a perior proballe, indeed, war m the lini weavers were iver nut oucurred, ther biation in the tra that, heresure', t] put filt so fully the labomters, on crushing wright. the preceding tal Imerician cotton of the raw mato
 $4,0 / 40,000$ ewts, in cotton famine, as called, was muict This is not the the circumstances It is sutilicient to 0 pleratives, and the thuse sutterings, which they had no all. The manufat district acted wit
nation came forwa nation came forwa
HTeat sums were ga The people of the colonics, gave the
Lancashire distres Lancashire distress
The losses con: were thus estimat in lis work on the

## Employers' losves, 3 ye Workneople's to, it Workleepte's do, at i

 Shiplike pers' dis, onDo. on haif employer: Tutal loss on:
Messrs, Ellison Circular for Janna wes at from $\mathbf{6} \mathbf{0}, 0$ The searcity $m$ ise in the price of olton, valued at 3 om 3l, 0s. 4d. 1. 12 s s. 10 d to 121 adia from 11.17 s
Don seareity, the hich was cheapes Wile-spreal aud hieh ensued on as yet not entir gion for the supt tirle produced in ption of Sea Isl
at first, be sufficiently large to emable the division af mulloyments to be carried to any considerable cuant, at the same time that exprothes in manipulation and in the details of the varions pruceseses, can waly be attaned by slow dererees. It appears, theretore, reasonablo to conclude that suly new begimers, having to withstand tho cumpetinom of those who have already arrived at a very high degree of periection in the art, must Incinmediatelydriven out of every market equally artersible to both parties; and that nothing but the aid derived trom restrictive regulations and prohibitions will be ellectual to prevent the total destruction of their establishments in the comintries where they are set up.
The cutton manntacture of this country has latwly bassed, as our readers are well aw tre, thruigh a period of great depression. It is probahle, imfed, that at the ontbreak of the civil war in the tinited states both spinners and wavers were over-stocked, and that had this event nut oceurred, there would have been some starnation in the trade, due to over production, and that, theretore, the severity of the pressure was not folt so filly by the emp'oyers as it was by the labuners, on whom the calamity fell with crushing weight. It is suflicient to point to one of the precelint tables in which the deficiency of lameitan cutton is to be recognised. The imports of the raw material, which hat been nearly 12,5m,010 ents. in 1860 , fell to little more than t, 00,0100 ewts. in 1862, the period in which the coton lamine, as it was naturally and strikingly called, was inticting its heaviest iniseries on those who were engaged in the manufacture.
This is not the place in which to comment on the circumstances which attended this calamity. It is sulficient to observe that the patience of the meratives, and the courage with which they bore thase sulferings, which were due to causes over whidh they lat no contrel, were acknowledged by all. The manufacturers and las:lowners in the district acted with enercy in the erisis. The nation came forwarl also to aid the sullering, and great sums were gathered thronghout the kingitom.
The frople of the United States, too, and of our colonits, gave their contributions to lighten the Lancashire distress. The sebseriptions amounted to nearly $1,500,000$ l.
The losses consequent on the cotton famine were thus estimated liv Dr. Watts of Manchester, in his work on the Facts of the Cotton Famine:-

| Employers' losues, 3 years at $9.590,0000$. |  |
| :---: | :---: |
|  |  |
|  | 1, 1 |
| Tutal loss en 3 years | (60,225,910 |

Messrs. Ellison and Ilaywood, in their Cotton Circulur for January 1866 , set down the noney loses at from 65,000,000l. to $70,000,0001$.
The seareity may be estimated again by the ise in the price of the raw material. Eigy ptian ottun valued at 31 . 15 s . Gel. per cwt. in 18tio, rose
OIel. 5s. 3 d , in 186 l ; that of the United Status om 3l. 0s. 4d, to 13l. 11s.; Brazilian from 1. 123, 10d, to 12l. 18s, 1 ll .; and that of British molia from 11. 17s. to 8l. 9s. As is always the se when a serious exaltation of prices ensues pon seareity, the greatest rise is fonnd in that hich was cheapest betore the dearth.
Wide-spreal and alarming as the distress was hich eusued on the cotton famine, the result as yet not entirely without its bencfits. The anufacturers had been forced to depend on one gion for the supply of the raw material. The tirle produced in this region was, with the exption of Sea Island, of no better quality than
tries pocurable from legypt and some other conntries. It could not of course bo experted that those who were purchasers of raw material should take into account the contingency wheh few observers thiled to predict would at no remote period ensue -the occarrence, namely, of an attempted disruption betwern tre Northern and Southern States of the American Union, But the manafacturers uways looked anxiously at the course of American politics, and welcomed any promised supply of cotton from other countries. The urgent demand for the article did produce the eflect of teveloping the exports of the tibre from new localities. Thus China, Japan, and Dlexico appeur among the countries which eontcibuted to the supply after the dearth commencel. A great inpetus was given to exports from Efrpt, the Mediterranean, the British West ad East Indies, though of course these enlarged inports frum certain ${ }^{\text {haces }}$ were firr from tilling up the deticiency.

There is no plant perhaps which has a wider geographical ruge than cotton. It can be grown in the tropics as a peromial, and it can be cultivated as an numual over an area as far north as the basin of the Mediterrainan. I'ractically the tield for its produce is boundless. The cuitivation of the plant, though requiring some care in its early growth, is by no means toilsome, the chicf demand for labour arising when the crop has to be gathered, and the wool has to be cleansed from the seeds which it envelops. But notwithstanding the width of the area of production, comprition against the American producer, in the period preceding the war, though it was anxiously desired was all but hopeless, and the deficiency could not be supplied to any satisfactory extent when the dearth in America first oceurred.
The absence of any ready response to the urgent demmend for cotton during this erisis was the effeet of several causes. In the first place, the intluental elasses in this and some other European conntries misealeulated the future of the civil war in America. It was predicted that the war would De spedily ended, and that the suspension of supply must be of very short daration; it being assmmed erronconsly that the Southern Stntes possessed large stores of cotton, and that these would be poured into the market when their independence was established. There can be no cloubt that this checked the disposition to engage in the cotton culture. Again, among the inhabitants of those countries in which cotton can be grown, the necessary capital for production on so large a scale is wanting. These countries are poor, or missroverned, or harbarous-generally allected by all these untoward conditions. Cotton might be produced in almost malimited quantities in Turkey and Asia Minor; but these regions are cursed by a Government which has made the fairest part of the earth sterile and unproductive. Still it will be seen that even under these adverse circumstances a great impulse was given to production in Egypt and India.

The Lancishire spinners for a long time had devot ed theirattention to the matter, aul the Cotton Supply Association especiully had done its best to further the ends of its establishanent. It coltected samples, employed agents, and welcomed intelligence of every kind, as far as lay in its power. l'rospects of the Cotton Manufacture.-The events of the five years previons to 1866 have been a serions trial of the powers possessed by this brameh of British industry. Nothing could have tested its vigour, its elnsticity, its continuance more effectually. It is not too much to say that it has passed through the trial with mueh less injury than could have been anticipated. The markets

COTTON
facture of this deseription of goods heen at
472 of the world have responiled, despite the en, and the price of the asticle, nobly to cotton industry far vaions exports in 1866 of in quantity, those of exceeded in value, though not in quaply of cotton any previous year. in fact the qary of life in many roods is a supply of a nece deficieney of the raw if not all conntries, and the market, affected in material, which affected this mather countries. materiar degree the market of other mannfacture in

The permanence of the on the circumztances this country is depend to.
already fully referred
At present the chief soum of erer depends on the steam, and the use of may be that hereafter some supply of coal. be discovered, adapted, and inise other foree will will supersede or at least ceonomies proved, which will supers It may be that economil proved, of mineral fuel. It may of coal which will the use incroduced in the use of ion. It may be
may be int greatly diminish its consumptionergetic a form that fuel will be supplied carriage on some hydroas to reduce the cost of as will render their inas to to such limits as wil ressible Such an carbons for steam purposes possible. the case of portation least has been anticipated which are now event at leang the mineral oils whe in the some among the rast quantities in the Nor protuce.

The reograrhical position of this country, too, The geograrieal Standing between the Ohd and is importmit. Standsing numerous and comNew World, posses stored with the weath of modious harsours, it is a central point for navigation. for all centhe chief entrepôt of raw materas dount are is the eds. Its rates of exchange and dise dicta are markets. ©y all traders-its commerciar of this watched by of all transactions. wislon of its the gundes minence is due to the libert of its fiscal arrangements, part to the real the natural transactions, but not a little to the nighay of position w
Bence British Labour.-On the preEffectiteness of Britions adverted to xemathe sumption that in the possession of this countracture pernianently prosperity of the cotton manuacture will be imperilled by nothin those who invent effeetiveness on the part of tho work the mamechanieal economics, and who we wo not chinery when diseo the inventive genius of this think that either the inven that the intelligence country is on the wane, or that the ivatives is likely of manufacturers, art
to suffer diminntion. Progress of the Manufach has been stated, - Notwithstanding we spreading abroad that we a notion seems to litle dithenty in mantaining our shall have no the competition of the Americans, pround against the French \&c.; and a good dore the Swiss, Austrians, , subsect was taken pointed in evidence upon this subjec Commons appointed in committee of the House the state of manufactures, 1833 to enquire into the shath apprehensions commerec, and to be quite destitute of any rea appear to us to be quaded we have no agitation, than foundation. Provided security in fuct and oppinion public tranquitlity ampaired, we need be under ho be maintainediness as to any eompetition harts have sort of uncase exposed. Duties on ther manufacforced cotton, woollen, iron, and oth the United forced coto a premature existence in the Unics, and tures into a premepting the coarser fabrics, anars States; but exce value of the raw mate manufacthose in which the to the value of the from the a large propo, we have nothing to fear from the
tured articans.
Americans.
manufacture of this desethicial aceonts phidished
all iemarkable; for the of congress show that the valum of all by orter of Cong goods exported from the
 United States during the $65 \mathrm{t}, 50 \mathrm{t}$ dals., or about 1858, amounted to only , 6 , material most pro$1,250,0001$., of which the raw mathat.
bably amounted to more thements that have been
Among the singular simanufactures of Ametica ut forth as to the cotton labum are lower there one is, that the wages on the alsurdity of such a than here! To dwell on the to reader. But thantent wond be an insult to were as low in statement were true that wares wath though it were as in England, that would mind
 no real gromed for america in this departunan. competition from America mane on the protits The price of cottons depend of habour ; and, Fo far of stock than it not yet been alleged that the as we know, it has America than here. Suppose former are lower in American manntacturer hat an linglish and an Amecton mills, nud in th each $100,000 l$. vested tloatiog stock requand be 1 per cent. less than if protits in en math maturer can athr America, the to sell his goods for $1,000 \mathrm{~m}$. cateris paribus, to se wre very far from ins than the American. thet this lowness of profit uating or believing that ther may be its influem an adrantage; but whaterer it continues it gis in other respeets, so adeided superiority over the our manufacturers a deciehore profits are bigh of every other country wale of all articles, such in the manufacture ands, principally produced cotton yarn and is ludicious, ir, deed, to suppa machiuery. It that a half-peopied of unoceunied land of the ho of boundless tracts shonld be able successu est degree of fertitity, sheturing industry with to contend in manufaled, and very rich cours old settled, fully people, Government which like Great Britiome courages such a mi those who suppose it cmin and industry, and those whin to the parties, in anything else than ruin thents of the scien ignorant
wealth. lowing statement, though not offici The follown sta considerable aecurae. aid to represent with in the Americal $m$ consumption of cotton years ending with 185 factures in the following years Buts

ariod or the other. at present appar At one period or the other, a pust be, the remote, it may Central North that the great eon-1 70,000 square miles, containing an area of or, population en conled with a manufacturin wh mow chara in those various industries writain. the Nortuern districts of Great Bem from de Nortanestion is far reved foreft region in question important as they hereath and its products, impor reach the markets be, must, before they reach the a ligh Western world, be carriage.

American capital for many a year will a directed into the production of rair be a dense population must occupy the e and a dene pakes and the Gulf of yles between the Llaktic and the Rocky Nou tween the Athandic economical causes will before natural and econ the productive Stat World and its aceessible sea-be the Old World Report (1867-68) of the The annual Report (186i-68) of

Chamber of Commerce, morial to Congress prot mottom, which is calculat rent. on its gross value. ux is called for on the grou pressiveness, its discoura souragement of forele ship itis a detriment to the ship
moing interests, and an ol truing interests, and an ol
ruion of land and the empl Little as we have to fea ure still less to fear from exition. America has soms wit in the greater cheapues on switzerland and Saxot weentre of Europe, can or 8 ar cotton by a distant dlamburs, Marseilles, and de best authority for allir oton may be conveyed at (andestor to Manchester, tl女fan, or Itamburg to Sw sitzerland is altowether an the does is done by wat wit to be nearly exhausted. the woulered at that the whal have succeeded in whets, and some of thos Wous, with certain specie er should export hosiery ar they can manufactu should ever be able to

Ihas statel before a comm amons in 1833 that the F'r
a had increased, between 1
suf 310 per cent., while in
konly 200 per cent. This re, accurate as far as it y cently calculated, though so intended, to mislea ec rears previously, it wa of eottont wool into Frame excessive. When, the ares got wool alter the re vary price, it was inpo an cottons are exclude the manifficture should it
barr rapidity, until the or well suppilied. An ads didy no proof of the eapa meente the manufacture enot cottons without th the manufacture gone ol emitio down to the presen e might have justly exci has not been the case. N Biderable progress in the as might hare been ex of of wealth and poput *ing also the peeuliar $f$ a eupy for smugeling prohibited procucts ater will, where they are ties. The truth is, that ment reluces or repe
iron and otner arti itan and otner artic deap construct that tl witable competitors in
spposed by some tha to fear from the C mach in the spimning and that the probabil fam will iuerease, and on
mer of Commerce, emhodies (pp. 22-3) a grmorial to Congress protesting agrainst the tax whotom, which is caleulated ( Dee. 18ti7) to be 20 afent. on its gross value. The nbolition of the as is ealled for on the grounds of its injustiee, its mosiveness, its discourarement of mative and frurarement of forci, is a detriment to the shipping, commercial, and asling interests, and an obstruction to the cultianim of land aud the employment of labour.
Litle as we have to fear from American, we Wrestill less to fear from Swiss or Saxun comvition. America has some advantage over lingmatia the greater cheapuess o.' the raw material ; ias switzerland and saxons, situated almost in teentre of Europe, can only traw their supplies dar cotton ly a distant land carriage, hy way Hamburg, Marscilles, and Genoa; and we have te best authority for atlirming that a bale of atan may be conveyed at a less expense from brleston to Manchester, than from Genon, Am"ham, or ILamburg to Switzerland or Saxony. wand is altorether destitute of coal: all ais she does is done by water-power, and that is wil to be aearly exhausted. It is not, however, whe wondered at that the Swiss and Saxoms Wald have succeeded in supplying their own whete, and some of those immediately comcouk with certain species of yarn; 0 . that for bould export hosiory and such other artions they can manulacture on a small scale, their cottages; but it is iulle to suppose that fry hould erer be able to do much more than

limas
mas stated before a committee of the lionse of
 Fhat increased, betwecn 1812 and 1826 , in the jund 310 per cent., while in Pugland its increase beoll 2.20 per cent. This statement was, we Fire, accurate as tar as it went ; and yet it was Genly calculated, though, no donbt, withont as 80 intended, to mislead. In 1812, and for fears previonsly, it was hardly possible to conton wool into France, and its price was excessive. When, therefors, the manuares got wool after the return of jeace at an Gary price, it was impossithle, seeing that contens are excluded from lrance, but the man:facture should inerease with extraGary rapidity, until the home demand was ary irell supplied. An advance of this sort is redly no prof of the capacity of any country mente the manufacture with advantage, or swift cottous withont the aid of a bounty. the manufacture gone on inereasing in the entio down to the present time, the circummight have justly excited attention ; but bas mot been the case. No doubt it has made iderabie progress in the interval ; but not so as might lave been expested, seeing the Re of wealth and population in France, meing also the peenliar facilities which the henjoy for smuggling cotton statls and pabibited procincts across the P'yrenees Suin, where they are taken ofl in large Hies, The truth is, that antil the French mant reduces or repeals the duties on - iron and otner articles indispensable echeap construction of cotton factories, it fite to suppose that the French should zablable competitors in the production of
Gupposed ly some that the competition Te io fear from the Continent does not ymuch in the spiming as in the wearing and anat the probalility is that our ex[an willincrease, and our exports of mann-
factured goods will diminish. We do not, however, imagine there is much in this. Our powerlooms aro superior to those of any other country; and there is not, in fact, with the exception of the dyes, a single particular conaceted with the cotton manufacture in which we have not $\mathfrak{a}$ manifest superiority over the Swiss, Saxons, Frenel, Prussians, and every continental nation. Certainly, however, we are inferior to some of them in the briliancy and durability of their dyes; and this circumstance has recasioned a considerable demand for German and Swiss printed cottons in many parts of the East, where vivid colours are held in the highest estimation. But even there the greater cheapness of our groods is proving an overmateh for the greater brilhitney of those of our rivals.

Mr. Fane, Secretary of the British Embassy at I'aris, in his Report No. 1 of 1867 gives the following table, showing the value of the exports of French cotton manufactures in the 6 years 1859-64:-
1859
14.610
1.561

1562
186.3
1561


Thus, the cotton exports of France during the year 186.1 amounted to less than $4,000,000 l$, in value. Those of any other country were absolutely trivial. Many countries of course import cotton yarn which is used for home manufachure, and there is some Eastern trade possessed by lussia; but the total amonit of forcign eotton stuffs competing with British produce is quite unimportant. Agam, in sumier climates, more brilliant colours can be imparted to cotton cloth; but the great clement in production is cheapness in the fabric, and as yct the industry of this country, to judge from results, is practically withont a rival.

On the whole. therefure, we see no reason to think that the British cotton manufacture has reached, much less passed, its zenith. But it can harilly be necessary to observe, considering the vast importance of the tade, that while, on the one hand, nothing should be left undone that may serve to strengthen its foundations and to promote its prosperity, on the other nothing should be attempted that may, by possibility, have an opposite effect. The ibsistence of niore than a million of people is not to be erdangered on slight grounds. The abuses even of such a husiness must be cautiously denlt with, lest, in eradicati or them, we shake or disorder the whole fabric. No doubt the state of children employed in the cotton factories called fairly for legislative interlerence; an? we believe that the regulations that have been enacted, carried out, as they have been, under the superintendence of the inspectors, have been productive of much good.

## 7. Statutohy Regulations in negand to tue

 Employment of Cumbien in Factomes.No statutory restrictions respecting the employment of children in the mills and factories of the United Kingdom existed until 1802, when the 42 Geo. III. was passed for the preservation of the health and morals of apprentices and otbers employed in cotton and other lactories, and directiug the local magistrates to report whether the factories were conducted according to law, and to adopt such sanitary regulations as they might think fit. This Aet was followed, in 1816, by the Act generally called Sir Robert Peel's Act, imposing various regulations on the employment of children in cotton mills.

Both of these Aets were repealed in $\mathbf{i 8 3 1}$ by the I \& 2 Wm. IV. c. 39 , commonly calle.l sir

John Hobhonse's Act, which provided that in cotton facterise, to which it alone related, no chidd could legally be employed till it had attained the ago of 3 years; that no person muder 18 years should be permitted to remain in the factorics more than 12 hours in one day; and that on Saturdays they should enly be employed in the factories for 9 hours.
Sir John Itobhouse's Act was repealed in 1833 by the 3 \& 4 Vm . IV.c. 103; and this last-mentioned statute, with the 7 \& 8 Vi.t. $c$. 15. the $10 \& 11$ Vict. c. 29 (commonly valled the Ten itmirs Aet), 13 \& 1.4 Vict. c. $5.1,16$ \& 17 Vict. f. 101, 19 \& 20 Vict. e. 83 , enact the following frovisions relative to persons .mployed in all processes incident to the manuficture if cotton, wool, hair, silk, dlax, hemp, jute or tow, sparamely or mixed together, or mixed with my other material, or any falrie made thereof, with the exception of factories used solely for the manufacture of lace, hats, or papor, or solely for bleaching, dyeing, printing, or calendering.

1. That no person under 18 years of age shall be allowed to work in the night, i.e. fionn $\frac{1}{2}$ past 8 in the eveniug to $\frac{1}{2}$ past 5 fue morning, nor on Saturday for any purpose after $\frac{1}{2}$ past 4 in the afternoon, the hours to be reifulated by a publie clock, specitied in a notice put up in eaclo anetory.
2. That no child muder 8 years of agre shall be employed, and that mo chilif latween 8 and 13 years old shall be employed more tham ti hours and 30) minutes in any one diny, unless the dimertime of the young persons from 13 t 18 years old in the factory shall begin at 1 o'elock; in which case the dhilfiren beginninge to work in the morning may work for 7 hours: but any chidt above 11 years ot are employed solely in the winding and throwing of silk may work for 10 hours a day. And any oceapier of a factory restricting the labonr of youns persons between 13 and 18 years old to to hours a day, may, on certain conditions, employ any child 10 hours on 3 alternate days of every week, provided that such child shall not be cmployrd in any manner in the same or any other factory on 2 suceessive days.
3. That no chilh under 13 years of age shall work in the niglt for any purpose.
4. That every child under 13 years of age manst have a surgical cortiticate of age, and mast attend some school on 5 days of every week for certain specified periods, and obtain a weekly certiticate of attendance from the schoolmaster, which may be anmulled by the inspector on account of the inntitness of the schoolmaster.
5. That no youmir person of the afe of 13 , and muder the age of 18 , shall be allowed to work for more than 10 lours in any one day, nor more than 58 hours in any one weck.
6. That eviry young person under 16 vears of age must have a surgieal certiticate of age.
7. That no fomale above the asge ot 18 years shall be employed in any factory save for the same time and in the same manner as young persons in faetories, i.e. for 10 honrs in the day and os hours in the week, and moler the above conditions as to niglit work, certificates of age not, however, being necessary for females above is years of age.
8. that in factories in which any part of the maehinery is moved by water, and lime lost by stoppages from want of woter or too much water, children or young persons may, under ceriain conditions, be emphoyed one hour additional, exeept on Saturiay; and that when from the same causes any part of the manufacturing machinery driven by the water-wheel las been during any part of a day stopped, the young persons who vould have
been emplayed at such machinery may undt: certain somditions recorer such lost time durim the uight following the said day; muless the said day be Saturday.
9. That the iospector of the district, one of thi four inspectors appointed under the, Acta, shall have power to appoint a sufficient momber of eettifying surgens to examine the chidtron and volugg persoms, mot to give certiticater of are to children and goung persons under 16 yars of age accordin, ${ }^{5}$ to ecrtain forms and directions, but which cortificate may be numulled by the inope tors or sub-itspectors appointed under the hets, provided they believe the real age of the pers:ns mentioned in the certificates to be less thats that mentioned in them, or proviled the certifyin surgeon of the district eleems such persons iol of delicient 'uealth or strength at the time whe the certifieatos are ammulled.
10. Thnt n it less than $1 \frac{1}{2}$ hour shall be allore every day for moals to every young persm, tol taken between $\frac{1}{2}$ past $7, \mathrm{a}$, mand $\frac{1}{3}$ past 7 p 2 an I hour at least before :3 P.M.; and that nu chil or young person shall be employed more than hours beture 1 r.s. without an interval for meal time of at least 30 minutes, and that all the youd persons shall have the ment-times at the sam period of the day.
11. 'That all children and young persons th have not fewer than 8 half-holidays in the year, of such half-holidays between March 15 and tober 1 , and that no child or young person sh be allowed to work in any factory on Chrism Day or Good Friday in Englame or Jreland, in Scotland on any day the whole of which i. apart by the Chereh of Scotland for the obserra of the sacramental fast in the parish in whid factory is situated.

By 1 \& 25 Viet. lace manufactories were lrow mader the liactory Acts, but youths may be ployed in lace factories between I A. M. and lif provided the youth be not e aployed moret hours a day.
Jy 27 d 28 Vict the Factory Aets were exte to persons engaged in fostian cutting, many turing cartridges, and paper staining, also it engased in the manufacture of earthenware eept bricks, and tiles not being ornamestal ti lucifer matches, und percussion taps.

The Factories Act F.xtension Act of 30 \& 31 Viet. c. 103 , applics almost cxelusi to those factories nnc mected with the a facture of cottom.

The Factory Acts embody other regulation specting the nppoinement of inspectorstorarn these provisions $\& c$. ; bat these, though of in ance to the parties interested, by whom therm carefully attended to, being of little publici ance, need not be inserted in this place.
COTTON SELED OLL CAKE. Consid quantities of oil eake from cotton secds are ally inported into this comintry, the substan ing used, like other kinds of oil eake, for cattle. In tho year $1866,10,528$ tons we perted, chietly from Belgium, the arearg being a little less than 51 , the ron. In th year 93.957 tons of cotton secds were im the value being about 71. 13s. the ton.

COWILA(GE or COWITCII (ILin. kima pois il gra.ter; Ger. kuh kriltze). The frui of a peremial climbing plant (Dolichos $p$ Limn.). It is a native of India, as well as ral other Easteru countries, and of Amerieg pod is about 4 or 5 inches long, a litte and contains from 3 to 5 oval and flatio the ontside is thickly covered with short, brown hairs, whiel, if incautiously touche
othe sim, and bindie's.1/uteria whliles (Gica ats caluris, bouge. buavimbos). Tl the Maldives, Bo ti Eantern Arehijo ewle ut Africa. A a a wed as a curr evilifica, and the ec dilio the chief reet thinhabit the islan The nominal exelia fat the rate of $6: 40$ dien. This rupee is single courry is wo aythuy. In Siam they alan is fir higher-at dourse these rates uthe coury ships used midy; so that oceasio witate into a cramb abolition of sace the abolition of $t$ rinnis has become a as importance. In is met ratuel at 1-4,69ll. Chas "RERRIES or 1 des "he fruit of a mon pruchs of Limureus. Tl ant the size of currant mimerent parts of so whe northern warts of abe northern parts of : 8 have been drained an rar, and a sharp, acid, esily preservel,, and ar wing tarts. They are ve caca and in the northerr letbeing of a superior qua wine ones have ro a lew South Wrales. In eiapported, valued at 1 , if PR.tPE (Fr. crêpe ; Ger. 11 smilla, sopillho ; I.uss. flior at tanspareyt stuff, in ma ars gummed and twi ruinthout crossing. It uing. Crape was origin bear but that made in od superior is any ma te, by e is said to have b Me of the one Jacques Dupi de of the seventeenth cent salled, accordined at $L$. fisuss), crêpe andllisse, M. has, was oricinallyse. Chin the process orkinally manu Eitatious for a long time fited by The secret wa Hixic kilogramugas. In The British mes of Fr The British exports of cartant.
CDIT OF TARTAR.
EDIT. The term used to beassigus him one indi or without stinoney, or at. The party whlating and the party who who lend win and party who borrov Cos andety, Nature of Cred Tociety, credit is in a This arises partly from bittle capital being then

## COWRIES

the kill, and oceasion intolerable itching. (Sindie's. Materiat Indicu.)
whlites (Ger. kauris; Dutch, kauris; Fr. ans. curris, bouges; Ital. cori, porecllane; Span. hins zimbos). The shell of the Cyprea moneta, mall univalve found abundantly on the shores fhe laldives, lorneo, and the various islets of the Eatern Archipelago, as also on the eastern tast of Africa. For many ages this shell has ben wed as a currency in parts of llindostan tilifica, and the cowry tishery was and perhaps - Wiv the chicf occupation of nost of the natives the inhabit the islands where it is found.
The nominal exchange of the cowry in Bengal bat the rate of 610 to the anna, or 3,810 to the whe This rupee is worth 22.29 d. sterling, and de ingle cowry is worth about $26-10,000$ his of a enthing. Ia Sinm they are still cheaper. But their rive is far higher-at least ten times-in Africa. (fourse these rates are variable, and the delay the cowry ships used in India to raise the price most, so that oceasion was taken to turn the am frade into a gambling transaction.
sime the abolition of the slave trade the supply fonties has become a matter of comparatively mindortance. In 18 tī $, 7,789$ cwts. were immath yahued at 14,691 .
CRLBERILIES or RED WHORTLLEBER-
WIS , "he fruit of a moss plant, the Vaccinium guens of Linneens. The berries are globular, hat the size of edrrants; are found in mossy windifferent parts of Scotland, but not in great Whers: they were once common in Lincolnshire Wiwe northern parts of Norfolk; but sance the © have been drained and cultivated, they are
els met with. Cranberries have a peenliar rour and a sharp, acid, agrecable taste; they favily preservel, and are extensively used in fing tarts. They are very abundant in North Eain and in the northern parts of Russin; the urbeing of a superior quality. It is said that Werer tine ones have reeently been brought Deew South Wales. In 18tif, 33,433 gallous *imported, valued at $1,70 \div 1$.
PillPE (lir. crêpe; Ger. flohr, kransflohr; Ital. wailla, sopillo; I.uss. flior; Span. crespon). A at ransparent stuff, in manner of gauze, made an sidk gommed and twisted on the mill and fa without crossing. It is principally used in aning. Crape was originally mannfactured in poa; but that made in this country is now med superior to any made in Italy. The rofecture is said to have been introduced into exe by one Jacques Dupuis, at or about the We of the seventeenth century. French crapes difly manufactured at Lyons, and are of twe sulled, necording to M. Bezon (Dictionnaire (isusy), crîpe an ll lisse. China crape, as its name为, was originally mannfactured in China, the proess for a long time baftled all attempts witation. The secret was, however, at last Freed by M. Dugas. In 1864 France ex$\$ 8.816$ kilogramines of French manufactured The British exports of crape scem to be critant.
Eay 0F TARTAR. [Argal.]
EDIT. The term used to express the trust or ance placed by one individual in another, be assigns him money, or other property in or without stipulating for its immediate at. The party who lends is said to give and the party who borrows to obtain eredit. yn and Nature of Credit.- - In the carlier of soeicty, credit is in a great measure unThis arises partly from the circumstance llitte capital being then aceumulated, and from Government net having the means, or
not being sufficiently eareful, to enforee that punctual attention to cugagements so indispensable to the existence of contidence and credit. But as society advances, capital is gradually accumulated, and the observance of contracts is enforced by public authority. Credit then begius to grow up. On the one hand, those intividuals who have more eapital than they can conyeniently (mploy, or who are desirous of withitawing from hasiuess, are diposed to lend, or to transfir, it part or the whole of their capital to others, on combition of their ohtaining a ecrain s.ipulated premium or interest for its use, and what they consider sutficient sceurity for its repayment; and, on the other hand, there are always individuals to be met with, disposed to borrow, partly (and among merchants principaliy) in order to extend their business beyoni the limis to which they ean carry it by means of their own capital, or to purchase commorlities on speculation, and partly to deftay debts already contracted. These ditlerent chasses of individuals mutually accommolate each other. Those desirous of being relieved from the fatigues of business tind it very convenient to lend their capital to others, while such as are anxious to enlarge their businesses oltatin the means of prosecuting them to a greater extent.
It is plain that to whatever extent the power of the borrower of a quanity of prodnce or a sum of moucy, to extend his business, may be inerensel, that of the lender mist be equally diminished. The same portion of eapital cannot bo employed by two individuals at the same time. If A transfier his capital to B , he necessarily, by so doing, deprives himself of a power or capacity of production which 13 acquires. It is most probable, inteed, that this capital will be more productively employed in the hands of 13 than of $A$; for the fact of A having lent it shows that he either had no means of employing it advantareonsly, or was disinclined to take the trouble; while the fact of B having borrowed it shows that he conceives ho can adrantageonsly employ it, or that h3 can invest it so as to make it yield an interest to the lender, and a profit to himself. It is obvions, however, that except in so far as eredit contributes, in the way now mentioned, to bring capital into the possession of those who, it may be fairly presumed, will employ it most beneticially, it conduces nothing to the inerease of wealth.

The most common method of making a loan is by selling commodities on credit, or on condition that they shall be paid for at some future period. The price is increased proportionally to the lengeli of credit given; and if any doubt be entertained with respect to the punctuality or solvency of the buyer, a further sum is alded to the price, in orde: to cover the risi: that the seller or lender rums: of not receiving payment, of of not receiving it at the stipulated period. This is the usual method of transacting where capital is abundant, and contidence general; and there can be no manner of doubt that the amount of property lent in (Ireat Britain, the Netherlands, and most other commercial countries, in this way, is infinitely greater than all that is lent in every other way.

When produce is sold in the way now described, it is usual for the buyers to give their bills to the sellers for the price, payable at the period when the credit is to expire; and it is in the effects consequent on the negotiation of such bills that much of that magieal influence that has sometimes been ascribed to credit is believed to consist. Suppose, to illustrate this, that a paper-maker, A , sells to a printer, 13, a quantity of paper, and that he gets his bill for the sum, payable at 12 months after date: $\mathbf{B}$ cottd not have entered into the transac-
tion had lee been obliged to pay realy money; but A, notwithstanding he has ocemsion for the money, is enabled. by the facility of nerotiating or discomating hills, to give the requisite credit without olisabling limself from prosecuting his husiness. In a case like this, both parties are said to be supported be credit; and as cases of this sort are excedingly common, it is contended that half the busimess of the country is carried on by its mons. All, however, that such statements really amount to is, that a large proportion of those engaged in industrions mulertakings do not employ their own capital, but that of others. In the case in question, the printer employs the capital of the paper-maker, and the latter comploys that of the banker or broker who disconnted the bill. This person had most likely the amount in spare cash lying beside him, which he might not well know how to invest; but the individual into whose hands it has now come will inmediately apply it to useful purposes, or to the purchase of the materials, or the payment of the wages of the workmen employed in his establishment. It is next to certain, therefore, that the transaction will have been advantageous. But still it is essential to bear in mind that it will lave been so, not becanse credit is of itself a means of production, or becanse it can give birth to capital not already in existence; but becanse, through its ageney, eapital tinds its way into those channels in which it has the best chance of being protitathly employed.

The real advantage derived from the ase of bilts and bank notes as money consists, as has beer already shown, in their substituting so cheap a meditin of exchange as paper, in the place of one so expensive as gold, and in the facilities which they give to the trinsacting of commercial allars. If a banker lend $A$ a note for 100 . or 1,000 ., the latter will be able to obtain an equivalent portion of the land or produce of the comntry in exchange for it; but that land or produce was already in existence. The issue of the note did not give it birth. It was previously in some one's possession ; and it will depend wholly on the circumstance of A's employing it more or less alvantageously than it was previously employed, whether the transaction will, in a public point of view, be profitable or not. On analysing ang: case of this kind, we shall invariably find that all that the highest degree of credit or confidence can do is merely to change the distribution of eapital-to transfer it from one class to another. These transfers are occasionally, teo, prodnctive of injurious results, by bringing capitalinto the hands of spenithrifts: this, however, is not, except in the case of the eredit given by shopkeejers, a very common effeet; and there can be no donbt that the vast majority of regular loans are decidedly bencficial.

Abuses of the present Credit System in Great Britain. Difeans of obviating them.--'The previous observatious refer rather to the credit given to individuals engaged in business, who mean to emphoy the capital which they borrow in industrious
molertakings, than to that which is riven t. individnals not so engarrol, and who employ the advances made to them in supporting themedo and their families. In neither ease is credit of advanta;e unless it be grimted with dhe tijcrimination, and with reference to the chavacter, condition, and prospects of those receiving it. In this eountry, however, these considerations hate been in a great measure lost sight of, in the grauting of credit by shopkeepers and tradesmen of all leseriptions. Owing to the eompetition of such persons, their extreme eagerness to securn customers, and the general indolonee of opment persons, which disinclines them to satisfy crery small debt when it is contracted, the systen of seli$\mathrm{in}_{\mathrm{r}}$ upon credit has become alhost miniveral. ber: among us think of payiner realy muncy fir ang thins; seven tenthis of the comnunity are in the eonstant praclice of anticipating their incmar and there is hardly one so bankrupt in elaract and fortune as to be unable to tind procers, baker butchers, tailors de. ready to fimish him upa eredit with supplies of the articles in which the respectively deal. We look upon this facility oltaining accommodations as a very great exil 'They are not, in one case out of five, of any res alvimtage to the parties receiving them, whit they are productive of very pernicions result The system tempts very many, and somolim even the most considerate individuals, to indul in expenses beyond their means; and thons is comes the most fruit ful source of hankrupter if nolvency, and bal faith. 'lo guarmitee themelr from the extraordinary risk to which such to ceedings expose them, tradesmea are obliged advance the price of their goods to a most exint tant height ; so that those who are able, and nf really mean, to pay the debts they contract, in fact, o'sliged to pay those of the hosts of solvents and swindlers maintained ly the prese aystem. Many tradesmen consider themselves fortumate if they recover from two-thiris to thr fourths of the sums standing iu their books, at: distance of several years.
The extroordinary extent to which the ere practice is earried may be learned from the quiries of the Prarliamentary Committee on Su Debts. It appears from them, that hatters, makers \&e. in the metropolis have often $t, 0$ and upwards on their books ini delts belor and that five sixths of their look debts are 4 that sum! A large jroportion of these delts irrecoverable; but owing to the artiticial colat ment of prices, those that are good ats sutfic to inclemnify the traders for the luss of the bad

It is not casy, we think, to image any sy better fitted to generate improvidence aind if 'The vast majority of those who become insold or are imprisoned for telt, consist of latoo artisans, half-pay officers, clerks in public other ofliees, annnitants de.-persons whot prudent shopkeeper woild ever allow to get manently into his debt. The following exlibits some of the elleets resulting from system :-

Number of Persons committed for Deht to the several Prisons of the Metropolis in the Fear 1842 the Sums for which they were committed.

|  |  |  | For Sums ainove $10 \%$. | For Sums betwert 504 , and 1004 . | For Sums hetween 50t. and 20t. | For 3ums under 211. | Total | $\ln$ f'us <br> Jamu <br> 18 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Queen's I Sench I'I bron | * | * | 132 | 72 | 96 | 160 | 4603 |  |
| Flect Prison - | - | - | 59 | 2.3 | 26 | 12 | 1201 | 2 |
| Atarshalsea Prison - | - | - | 8 | 5 | 29 | 70 | 166) |  |
| Whitecross Screet I'rivon | - | - | 183 | 255 | 571 | 1. ${ }^{4} 49$ | 2,954 | 3 |
| Itorsemonter Latre I'rison | - | - | 28 | 65 | 127 | 146 | 356 |  |
| Total | $\bullet$ | - | 111 | 411 | 815 | 2,317 | 3,979 |  |

In consingrence of a pramment for delit. ?4. 2. lict. c. 13.j imphomed has been ume certainly, that so of put an ridel to sul sytem that sent 1,92 ? tratwhe under 200.! or insimate that credi fren to the labourin cims: but it is of its a
diabeing indiscrimina b, there whenn it ene nave of illeness and then finlustrions and de tamy neasionally be of
wint the advantares of sutr the aldantages of
murne emormons evils $s$ andieet of the highi thes we believe, would sturtiking from eredit rimprisun for debt. [1 Punary 19, 18:27) that Duel prous were arrest thexprase to the partic Abewrea $150,000 \%$, fund dextropolis and two adjo rymath to arrest were gra woplesses were execut
ouduld that in this sin Wht limits, no fewer than hrod of their liberty; on thes without any prouf' th kryunt Well is might permission to aryurss is a permission to
gumin und inh Skrey itseli; and that th cance would not be atte Wyiances to the country.' At mollowing table, whiel Sha were committed to Fon in is.l2, for debts, ar
 Fthan $2 l, 3 s$. sid. each, pr who which hat previousl * any material degrie, le E Getaion. Whatever els furd the fact that thousan nol huprisuned for sueh lamaly cleap.
Daflawiar is a return $f$ ) s: Gow of the mumber of cled cild pal on prucess ont of Gearels vear cuding Jannary Whith the aygregate amo hol less than 10 days, tor Evin, io, and lo1 days; Dons paid out of the cout Raminteanace ant maty as possible.

lo runsculuence of alterations in the law of im -
 4s 2i Vict. e. 134 de., the umber of persums imprisuned has been greatly reduced. It was me, certainly, that something effeetual was done a put an end to such tlagrant aboses - to a rsem that sent 1,929 persons to a single prison fin lebts ander 20l.! We to not mean to way of in imate that credit may mot frequently be men to the lahouring classes with the best fors : hut it is of its abuse that we complaindif leing indiseriminately granted to every one ; Whame whom it encourages to continue in a evts of itleness and protligacy, as well as to thenulustrions and deserving persons to whom : mavenionally be of tho greatest service. To wirk the advontages of eredit to the public, free man the emomus evils that result from its abuse. san whect of the highest importance; and few rime we believe, would do so mueh to seenre it de takin from ereditors the power to arrest dimition fur tebt. [Bankluiter.]
In was stated in the Ilonse of Commons Fidnary $19,18.27$ ) that in the space of $2 \frac{1}{2}$ years址persons were arrested in and about London, anespune to the parties, it may be estimated, iseween 150,000 , and 201,0001 ! In 1827, in wermpulis and two adjoining counties, 23,515 verath to arrest were granted, and 11,317 bailandeses were executed. Hence it may be pobluled that in this single year, within the Lire limits, no fewer than 12,000 persons were mandet their liberty, on the mere allegation of Wa without any proof that they owed them a wrin!! Well might Lord Eldon say that 'the endurfet is a permission to commit aets of greater rmans und inhumanity than are to be met with Kery itself; and that the redrcss of such a Frace would not be attended with any fatal wapulles to the conntry.'
an thlowing table, which siows that 1,078 20 were cummitted to IIorsemonger Lano asn in 18.1, for debts, amounting in ail to a53nl. 16 is. $93 \%$, being at an nverage no trian $川$, is. stal, each, proves that the diswins midh had previonsly taken place with Wht the law of arrest and imprisomment had tonoy material degrie, lessened its misehicsuration. Whatever else might be dear in duthe fact that thoustuds of people were our imprisoned for such miserable tritles Nifat personal liberty was at all events cokniv cheap.
Da Whaning is a return from ILorsemonger zagad of the number of debtors committed to end pout, on proce's out of courts of request, She yar eading January 1, 18.13 ; stating evity the agyregate amount of debts and siduring in classes, the number contined Cithensthan 10 days, for 10 days and less FM, in, i0, and 100 days; and stating also Dant paid out of the county or other rates manitenance and support of such prisoners, axaity as jousible.

## wamexited in the year <br> culeits <br> mbned from 1 to less than 10 days <br> for 11111 and $\quad 30$ <br> $\begin{array}{ccc}511 & " & 50 \\ 50 & \# & 70 \\ 70 & 700 \\ 100 \text { days and more }\end{array}$

and cut of the councy rate for the -kere and suppurt of such prisoners, hatran
hacrimute share of expenses nf the gaoi maltion officers, beldng, ruel، water,

We defy anyone to show that the law of arrest and imprisumment has a single gool consequenco to be placed as a set-off against the evils of which it is productive. Trmbesmen depend, at is elearly winced by the above statements, upon the desputical power which it pats in their hamds, to get them out of serapes; and believe that the fear of being sulbjected to arrest will stimulate even the most suspicious portion of their debtors to make bayment of their aceomes, The records of oar prisons, anil of our insolvent and other courts, show how miserahly these expectutions are disappointed. We believe, indeed, that we are warranted in allirming that the more respectable elasses of shopkeepers and tradesmen are now generally satistien that the system requiral some very material monlifications. The law of arrest and imprisomment is, in fact, advantageons to none thit knaves and swindlers, and the lowest class of attorneys, who frequently boy up small accounts and lills, that they may bring actions mon them, and enrich thenselves at the expense of the poor, by the magnitude of their charges. Such oppressive proceedings are a disgrace to a eivilised country. Were the law in question repealed, eredit would be granted to those only-who deserved it; for, genernlly speaking, tradesmen, supposing they lad nothing to trust to but their own discretion, would not deal, except for realy money, with those of whose character amb situation they were not perfectly informed; and the ditliculty under which all itle and improvident persons would thus be placed of obtaining loans would do much to wean them from their vicions courses, and to render them inlustrious and honest. -Those, says Dr. Johnson, 'who have made the laws, have apparently considered that every deticiency of payment is the erime of the debtor. But the truth is, that the creditor always shares the att, and often more than shares the guilt, of improper trust. It seldom happens that any man impisons another but for debts which he siffered to be contracted in hope of advantage to himself, and fur bargains in which he proportioned his protit to his own opinion of the hazard; and there is no reason why one shoud punish another for a contract in which both eoncurred.'

The power of taking goods in excention for debts is also one that repuires to be materially moditich. It seems to us puite clear that some limits should be set to this power: and that such articles as are indispensable either to the subsistence or the business of any poor man ought to be exempted from execution, and, perhaps distress. The present practice, by stripping its victims of the ineans of support and employment, drives them to despair, and is productive only of erimes and disoriers.

A petition against imprisomment for small delts, subseribed by many of the most eminent merehants, mamutacturers, bankers \&e. of the eity of Chasgov, was presented to the llouse of Commons in 1833 . It contains so brief, and at the same time so for cible an exposition of the evils resulting trom the system, that we shall take the hberty of laying it before our readers.

- Your petitioners lave been long and seriously impressed with the belief that very great evils have arisea and do arise from the imprisonment of debtors in Scotland, especially for smatl sums.
'The petitioners will not here question the policy of the existing laws which anthorise the imprisomment of ueltors for considerable sums, nor do they intend to object to the ereditor retaining the fullest power over the property and effects of his debtor; but they are humbly of opinion that, in so far as these laws give creditors
the power to imprison delitors for small sums, such as for 81 . and under, they are not only injurious to the public, and ruinous to the debtor, bat even hurtful to the creditor himself.
' 1 t would be n waste of time to dwell unon the harilship of subjecting debtors to imprisonment fir small debts, contracted sometimes certainly under circumstances of real distress, but more frequently from the improper use of credit, with which they are too rendily supplied. The creditor takes care that his profit shall be commensurate with his risk; and the debtor is iaduced to purchase freely, and at any price, that which he is not immedintely called upon to pay: the creditor coolly and cruelly culculates upon the power which the law has granted him over the person of his debtor if he fail to discharge his deht to him, while the debtor forgets that, by the crecit so imprudently ntforded him, he is preparing the way for his own min, and that of all who have nny depenteace upon him.

The total number of debtors imprisoned in the gaol of Glasgow alone, for debts of $8 l$. nnd under, was in the year 1830, 353 ; in 1831, 419 ; nad in 1832, 437; while the whole, number of incareerntions in that gaol for sums of every deseription were, in the vear 1830, 557 ; in 1831, 630 ; and in 1832,696 ; the propertion of sums of $8 l$. and under being nearly $\frac{0}{3}$ of the whole on the average of these 3 years.
'To remely these evils, your petitioners humbly submit that neans should be ndopted ior the repeal of the laws at present in force, in so far as they sanction the recovery of small debts by imprisonment; reserving their effect in every other respect; the result of which would be, that credit for small sums would be grently limited, if not entirely extinguished, and the poorcr classes rendered more provident; and by purchasing with money at a cheaper rate what they now buy at an extravagant price, they would be enabled to procure tur themselves additional comforts, from the more economical employment of their small incomes.
' May it therefore please your Honourable House to take this matter into your consideration, and to adopt such means as you in your wisdom shall see proper, to prevent the incarceration of debtors for sums under 8l., and thereby remove or greatly mitigate the evils of improvidence on the part of the debtor, and of oppression on the part of the creditor, which necessarily arise under the present system.'
So reasonable a proposal, supported by such conchusive statements, could not fail to make a deep impression; and a bill was soon after introduced, and passed into a law (stat. 6 \& 7 Wm . IV. c. 70), taking away the power of imprisonment in Scotland for debts under 8l. 6s. 8d. over and above interest and expenses, except in cases of fraud This bill is admitted to have been eminently bencficial ; and it is to be hoped that the advantages of which it has been prodactive may lead to the exteasion and general application of its principle.

Propricty of placing all small Debts bcyond the Pale of the Law.-The taking away the power of arrest and imprisonment, except in the case of fraudulent bankruptcy, would certainly be a material improvement upon the existing system. But we are satisfied that it does not go far enough; and that by far the most desirable and bencficial reform that could be effected in this department would be to take away all action for debts under a given sum, as 501. or $100 l$. The ouly exception to this rule should be in the case of claims for wages, or labour done under executory contracts. To prevent the measure from being defeated, no
action should be granted on bills under 501 100l., except upon those drawn by or upon regula bankers. 'lhis would be a radical clange certainly but we are fully satisfied that it would be highly advantageous to every class of the community and most of all to lubourers, retail denlers, and amall tradesmen. It would protect the firmen from oppression, at the same time that it woul tend powcrfully to 1 ander them more promadent and considerate; it would teach the latter to ex ercise that discretion in the granting of cretlit which is indispensable; and it would be publie benelicial, by strengtliening the moral princijw and making the contraction of debts tir saill sums, without the means of paying them, at oury difficult and disgracefin.

We agree entirely in opinion with those whe think that it is to no purpose to nttempt remedy the defects new pointed out, by multipls. ing courts and other devices for facifitating the speedy recovery of small debts. This is bepin. ning at the wronge end; or rather it is attempting to obviate the influence of one abuse by institut ing another. No wise statesman will ever be casily persuaded to fill the country with petty lncalcourts: or these, when not absolutely necessary, are the merest nuisances imaginnble; and he would, at at events, exert himself, in the tirst instance, to do away, in so far as possible, with the circumstances that make individuals resort to them. But it certaia that $\frac{9}{10}$ of the cases in county courts on nate in questions as to simple contract debts unde? 501. ; and were such debts placed, as they ought t be, beyond the pale of the law, the courts woul be wholly umnecessary. Our object ourgh aut t be to provile means for enforcing the payment trifling debts, but to prevent their contraction We believe, iudecd, that, instead of lesseniag. the multiplication of district courts will materialy aggravate, all tho evils of the present crelit st tem. The belief that they may readily enfuric their clnims by resorting to them will make sorp keepers and tradesmen still more cisposed than at present to give credit, while the unnrincipled, be mconsiderate, and the necessitous will eagef grasp at this increased facility. What there is caution amongst our retail dealers is in no inco siderable degree owing to the want of those petty tribunals so many are anxious to have univenell established. The more they are increased, the 1 will caution prevail. But instead of diminisition this virtue, for such it really is, it cannot be to much increased. Nothing will ever deter the who ought not to obtain credit from taking while in their power ; but those who give it II be made to excrcise greater diseretion ; ther m be made to know that it is a private transactibetween themselves and those to whom grant it ; and that in the case of petty debss have only their own sagacity to look to, $s$ transactions not being cognisable by lam. measure of the sort here proposed would not. some appear to jmagine, annililate credit. would, no doubt, annihilate that spurious, criminating species of credit that is as granted to the spendthrift and prodigal as to rugal and industrious individual; but to the extent that it deprived the former of the meall obtnining aecommodation, it would extend thes the latter. Nothing short of this, nothing but placing all small debts beyond the pale of the will ever fully impress tradesmen with a cop tion of the vast adrantages that would resu themselves from their withdrawing their fidence from courts and prisons, and prever everyone from getting upon their books of ${ }^{m}$ situation and circurastances they are not $f$
aware: nor wil to cralicate th resent credit as ender it a publi the of the w splem in the sos theusands of la whin the improp wiginally led int have the shopse $t_{1}$ they daro weithe conds oflired tor tl be. Juhason has ace owes more th i, bribe his credita eht, Wiurse and ind hisher price n furrivhen hy conn whelmed in the con dutw which, withon mulated on his leda of action mons anll but substimtial coer The tradesman wou? tist instance, upon l ong articles upon hin any tmess he fi ing his pyments; tedit wis of import all danne of obtain his characfer and repu abises of the sort now what has been denom utly oceasioned its thing compared witl the bringing of petty al an: sec a panphlet, wied in 1823 ; and he Metropolis, by the A (par. 11.1-13.1.) chelf. The compar or vessel. Fi wite British subjects, uate british subjects,
ereny ship of 80 tons canty to sca a certain roportion to her tomnag we becn abandoned. crens of British holly of Englishmen, wer may be mixed toge dit is no longer nec ingle apprentice. The on are explained unde d Mercantile Min ady obedience to the 1 : nors, ability to dischar ria their performance, most perilous cirenm CROTOS OLI CROTON OIL, The Hindostan, Cever tigliu) mog to the Cellon, nn de plant Natıral Or pant contains an ac seeds have been an ing of the 17 th cent Molucca and grane bred oils, croton oil i ceed in medicine. It is Mish yellow, taste acri (Pharmacopeia neri DEBS (Ger. kubebe th; Span. cubebas; rhduce of kumunku produce of a plant, the
asare: nor will anything clae be able completely to eralicate the tharrant almses inherent in the present credit system, and hich have grone far to paler it a public misanere.
the of the worst conseguences of the present astem is the sort of thralitom in which it kerew thusands of labourers and other intividuals, whon the improper facilities for obtaining eredit arginally lal into delot. Such persons dare not lave the shops to which they owe accounts; and the dare arither oljuect to the quality of the arinds olliered to them. nor to the prieses charged. br. Johnson has truly observed, that the that noe owes more than lie can pay, is often obliged th hribe his ereditor to pationee by increasing his Wht. Wrorse and worse commodities at a higher and himer price are foreed mon him; he is imFuscridhed by eompulsive trathe; and at last overthelmed in the common receptacles of misery by ribets which, without his own consent, were aechnulated on his load.' liy taking awny all right thation upons anll debts, this serstem of invisible liut substantial coercion wonld be put an end to. The tralesman would take cure who rot, in the fist intance, upon his books; and insteal of foreingaticles upon him, would sease to furnisa him with any unless he fomod he was regular in making his payments; while the customer to whom cedit was of importance wonld know that his only chanse of obtaining it would depend upon his chatater and repntation for punctuality. The abues of the sort now alluided to, that grew out of what has been denominated the truck system, justly acasioned its abolition; but these were trifing emplared with those that originate in the bringing of petty debts within the pale of the baw. See a promphet, entitled Credit Pernicious, pridisled ia 1823; and Tratise on the Police \& c. of ithe Netropolis, by tbe Author of the Cabinet Lategr. pp. 114-131.)
CREW. The company of sailors belonging to uny ship or vessel. Formerly no I3ritish ship will be navigated except by a crew $\frac{3}{4}$ of which nire British subjects, besides the master; and efere ship of 80 tons burden and upwards had to cant! to sea a certain number of apprentices in proportion to her tonuage. But these regulations have been abantoned. [Navigation Laws.] The crews of British ships may now consist thally of Eaglishmen, or wholly of foreigners, or her may be mixed together in any proportion; and it is no longer necessary to carry to sen a tighe apprentice. The duties and rights of . .1pen are explained under the articles Seamen d Mercantile: Marine: Act in this work. eady obedience to the lawful orders of their suther, ability to discharge their cluties, and alactry in their performance, at all times and under most perilous circumstances, are the distinrishang characteristics of good seamen.
CROTON OHL. The expressed oil from the *s of the Croton tiglium, a small tree growing Hindostan, Ceylon, and the Moluccas, and begrigy to the Natural Orler Euphorbiacce. The Wle plant contains an acrid, purgative principle. pe seds have been known in Europe from the Fining of the 17 th ceutury, under the name of an. Yofucca and grana tighia. Unlike most neaxed oils, croton oil is soluble in alcohol. It ted in mediciac. It is slightly viscid; colour mish yellow, taste aerid, odour faintly nause(Pharmacopcia of the Medical Council.) CBEEBS (Gcr. kubeben; Fr. cubèbes; Ital. Mbi; Spau. cubebas; Russ. kubebil; Arab. theh; Javan. kumunkus; Ilin. cubab-chinie). produce of a plant, the Piper cubeba of Lin(3,nd, under the Natural System, a species of

Piperrecer. It is cultivated in Java, and grows also in l'emur and other purts of the linst lanies. Specimens of cubehs from Ceylon were shown in the Eixlibition of $18 t i s$. It is a small unripe fruit, dried like a pepper-corn, but sumewhat louger. thhebs have a hot, pmogent, aromatic, slifhtly bitter taste, and a characteristic otour. They should be chosen large, fresh, somd, and the heaviest that can be procured. When cubebs have been kept lonig expecially in powar, thry lose a portion of their volntile oil, on which, it appears, their meditinal properties devend. They are said to be allulterated with Guinea grains anil pimento. A luty on their importalion, after being reduced in i8t: from (irl. to IIt, per Ib., was repeated in 184 s , Of $\geq 22,931 \mathrm{lbs}$, of eubebs imported into the United Kingrom in 18tit, 89,721 lths. came from IIolland, i.e. was tho produce of the lontch E:ast India colonies: $128,39 \mathrm{H}$ libs, from the Straits Settements, and 4,816 los. from other localities. The price varied from 31. 10s. dd, to 4/. 1s. 10, perewt. (l'harmaeopain of the Midical Council.)

CLCUMIBEl:. A tropical plant, of which there ure many varicties, largely eultivated in hothouses in lingland.

CUDBL:ALS. A purple or violet coloured powder used in dyeing violet, purple, and crimson, preparel from a species of lichep (Lecanora turturea), or crustaceous moss, growing commonly on limestone rocks in Sweden, Scotland, the north of England \&e, Abont 130 tons of this lichen are amnully exported from Sweden. It commonly sells in the port of London for about 20l. per ton ; but to prepare it for use, it must be washed and dried; and by these operations the weight is commonly diminished a half, and the price, in effect, doubled. Though possessing great heauty and lustre at first, the colours oltained from cudbear are so fugitive that they ought never to be employed but in aid of some other more permanent dye, to which they may give bonly and vivacity. In this country it is chicfly used to givo strength and brillianey to the blnes tyed with indigo, and to produce a saving in that article; it is also used as a ground for madder reds, which commonly incline too much to yellow, and are made rosy by this addition. The name cudbear was given to this powder by Dr. Cuthbert Gordon, who, havinis obtained a patent for the preparation, chose in this way to connect it with his own name. (Bancroft, I'hilosophy of I'ermanent comours, vol. i. 11'1. 30(1-30.1.)

CUMMIN SEED (Ger. kumin; Fr. cumin; Ital. comino, cumino; Span. comino; Arab. kemun). The seeds of an anmual plant (Cuminum Cyminum, Limn.), a native of Eqypt, but extensively cultivated in Sicily and Malta. They have a strong, peenliar, heavy odour, and a warm, bitterish, disagrecable taste. 'This sced, which formed a favourite ingredient in the cookery of our forefathers, has been supplanted by more agreeable condiments. It was employed in medicine, is still used in farriery, and is rejorted to enter into the composition of artificial food tor cattle.
CURRAN'TS (Fr. raisins de Corinthe; (fer. korinthen; Ital, uve passe di Corinto; Lat. passule Corinthiace ; Russ. korinka, opock; Span. pasas de Corinto): A small species of grape, largely cultivated in Zante, Ceplalonia, and Ithaca, of which islands they form the staple produce; and in the Morea, in the vicinity of Patras. The plant is delicate; and as 6 or 7 years must elapse, after a plantation has been formell, before it begins to produre, its cultivation requires a considerable outlay of capital. The crop is particularly liable to injury from rains in harvest, and is altogether
of a very precarions deseription. After helng drien in the sum, the currants are expronted phemen in large butts. They are in exixed with thour in this commery; and sut, make Ihat, as it it had been intended to lower em beyond the rearh of allexeept the ridhent individumls, they wre turdenei down to 18:31, with the exorhitant linty of ths, d. per ewt. In that year, however, the duty whs redneed a half, or to 2 es. $9 d$. per ewt., and their importation was in consegnence very materially indrensent that observed in a former edits in bond varied from as the jos. por ext, a duty of 2 es, ed. per ewt. was agreat deal too high; and that it was, no doubt, owing to its anomit that the consmmption of enrrants was not materially greater. Sir lobhert leel took this view of the matter, and in 181 reduced the duty to lis. per ewt. inge result was such as might hare heen antion with ixil. an average of the 3 years endind contered lior 383,836 ewts. currants wing anmal revenne ui consumption, 1 ut at an average of the yenrs 1849 212, 8 :. . . . for consumption, while the nmmal revenue was increased to $830,2 \cdot 217$. ? and notwithstanding the farther great reduction of the claty to 7 s . in 1860, in lxif, $75 x, 399$ exts. enterel tor consumption yielded a revemue of $265, \mathrm{~T} / \mathrm{NT}$. This, therefore, isome of the most memorable instances of the a lvantage of a judicions reduction of an execssive duty on an article in extensive demmal. Ifenides increasing the eomtorts of the public amil the amemit of the revente, it hat given a considerabe stimulus to the trale with Grece and the lonim l stand currints being the principal product when they have to expurt.
In $1867,1,062,666$ ewts. were imposted, valued at $909,578 t$. The price of eurrants in 18 tio varied from 17 s .6 d . to $2 l l \mathrm{~s}$, $2 d$., the best as well as the largest quantity having been exported from (ircece.

Currants are subject to an ad valorem export duty, which varies according to the crop. The average is about 13 per cent. liy far the largest part of the currants exported are consigued to this country for lome eonsumption.

Currants, like other kiuls of grape, sulfered severely by the vidium.
Inports and I'rice of Carrants for Tuelve Vears

| Imports <br> Vear | ews. | cuding 1866. |  |  | $\left\lvert\, \begin{gathered} \text { per cwi. } \\ \text { exrlusive } \\ \text { of duty } \end{gathered}\right.$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { lxp cwit. } \\ & \text { xerfosive } \\ & \text { of dulyty } \end{aligned}$ | sear | cut. |  |
|  |  |  |  |  |  |
|  |  |  |  |  | 48 ${ }^{4}$ |
| 185.5 |  | 61 65 5 5 |  |  | ${ }_{31} 3_{1} 1$ |
| ${ }_{1}^{1856}$ | - |  | $\pm \substack{186.3 \\ 1 \times 51}$ | 761, 972 | 14 <br> 17 <br> 18 |
| 14978 | Sc: | 绪 ${ }^{8} 8$ | cos |  | 17 <br> 20 |
| 14, 180 | 555,961 | 226 | 1866 |  |  |

Aconunt of the Slipment of Currants from the Morea during the Three Years 1864-66.

|  | 1864 | 1565 | 19156 |
| :---: | :---: | :---: | :---: |
|  |  | Tons | Tons |
| To United Kingdom | 51, 5.31 | 31,493 | 50, |
| To America | 4,185 | ${ }_{4}^{4} 8.81$ | $\xrightarrow{7,708}$ |
| the continent: |  | 41,595 | 41,003 |
| For Orders Total |  |  |  |

No abatement of duties is made on aecount of any damage received by currants.

A 'reasury letter of Narch 30, 1816, directs the
rehant and olleers to take the arthal tare when ner party is diswatistled:-Cur rants in ands from te lit per collt., Legharn 10 per bent., Trieste per cent. nolisk. The honse or ontier where CUSTOM IVO mmomities are chedutios, bonaties, or Irawhach portation; whereivable upu such importatime or payable or rectad or received; aul where wiph re clenred out de.
bor information as to the prorecdings mecesary the Castom llonse on importing or exponting mmonities, see the articlo [mpontation asp Thustur.
The prineipal british Custom ITonse is in Lonon: hut there are Custom Honses subortinate to he latter in atl convilerable sea-port and a fow mhand towas.
CLS'TODS. Duties charged upon commoth. ties on their being imported into or expurted from country.
Customs duties seem to have existed in every commercinh comitry. The Atheninas laid a tax of on the corn and other merelanalise imported rom foreign combries, mul also on several of the commonities exported from Attica. The porturin, or customs payable on the commonitice mpinted into, nand exported from, the dillerent ports in tha lommin empire, formed a very ane. The rate at portant purt of the pubtic red were bactunting and varions, and little is now known rapecting then Cicers informs us that the duties on come ex portel from the ports of Sicily were, in his time 5 per cent. Luider the lmperial Govermment, th amount of the portoria depented as much on th caprice of the prince as on the real exigences the state. 'Thumgh sometimes diminished, the were never entirely remittel, and were much an frequently ineressed. Under the lyzantine ea perors they were as high as $12 h$ per cent. Customs duties existed in England previondr the Compuest. They appear to have derised the name from having been inmemorially or entoty arily charged on certain articles when convey across the principal ferries, brigges de. withing kingdon, and on these and other articles of na and foreign produce when exported from or ported into the kingitom. In $1: 206$ the ont customs revenue of lingland, incluling that den from tolls and fairs, was ony $1,9881$. is 3, it is not, therefore, true, ns has sometiry been stated, that the king's tirst elaim to the toms was established in the reign of Edrand but that able and politic prince, by renderin? levy of the old duties more effectual, and prow the sanction of lartiament to the imposition new daties. was the first who made the eley revenue of any material importance. The dy were, at tirst, prineipally laid on wool, wod (shepp-skins), and leather when exported. I were nlso extraordinary duties paid by a which were denominated paria costuma, to The duties of tomane and poundure, of mention is so frequently made in Euglish his were customs duties; the tirst beiny paid on by the tun, and the latter being an ad vi duty of so much a pound on all oher merctas When these daties were granted to the $C$ they wore denominated subsidies; and as the of poundage had continued for a lengthened at the rate of 1 s a pound, or 5 per cent., as came, in the language of the customs, to de ad valorem duty of 5 per cent. The nete granted in the reign of William $11^{I}$ was gition of 5 per cent. to the daties un $m 0$
pred commodities. The author of thin work, the first time, in a book nim of Charles II.; n gain published in the re exdisive of the duties en gany nure hat heen imp whi the acemmalation coup wid regulations to wo productive of tho The evil was inereasel by raidh new duties were a cutarebelige sometimes a rible at other times the e branew stamlard of bulk, wharged wilh an additio mience to the duties forn Ghan arising from these b wisented by the special beduties, and the consey mecalculation for each. tana inseparable from pred a serious injury to man frateds and nlouses. The Customs Consolidnt y. Pitt in 1787, did muc vareniences. The method the existing daties on all tex in their steal one sing guralent to the aghregrate tr which it had previousty saple and aniform system erduced into the business These alterations were prod fass. But the many change ed tegulations which to witheued struggle termin ainiutroduced a great dea - unsiness of the Custor Mation was effected in 1 atates relating to the cus alay parts of stateressed into us of a reasonable bulk, an manemlable degree of pers The nunierous reforms thecasioned further ehan chanots reforms en to cossary again to ts. This was accomplish 2indilation Act of 1853 , th statute, which was draw Ireasury, is at once brief, dearas to be level to the con tacquainted with such ma enided by varions subser aliy the Customs Consolid c. 110, comprises the
mportation, exportation, dec of geods, with the $r$ din the consting and howerer, is on ly vis laws, it introduced son
reants. It, for instane realents, it, or tregulation which, by :x
the payment of costs, obl
with the commissioners, ey
y his own expenses. It seized, on the allegation the proper duty, from sciz bing the amonnt claime th Hent, if the customs is
pred commodities. (Treatise on Taxation, by the auther of this work, 2nd ell. p. 231.)
The various customs dutles were collected, fur the first thene, in a book of rates moblisthed in the nim of Charles II.; a new book of rates being min published in the reign of deorge I. Hit, achuse of the chaties entered in these twobooks, gay more hud heen imposed at different times; ntin the necmmalation of the duties, and the ond regulations to which they rave riwe rep fromuctive of the freatest embarransment Tie eril was increased by the eareless manuer in rimh new duties were added to the old; $n$ perenara being sometimes adiled to the origimal tax ; rite at other times the commorlity was estimated Honew stmadard of bulk, weight, number, or value, in harged with un additional ingost, without any sifence to the duties formerly imposed. The coniGisunaising from these sources was still further wimeated by the special appropriation of each of tedutice, and the cousequent necessity of a sepaaxe calculation for each. 'The intricacy and conLama inseparable from such a state of things pred a serious injury to commeree, and led to many fruds and abuses.
The Customs Consolidation Act, introduced by Wr: Pitt in 1787 , did much to remely these insareniences. The methol ndopted was, to abolish dexistimg duties on all articles, and to substitwe in their stear one single duty on each article, muiraleat to the ageregate of the various duties firdich it had previously been loaded. A nume cmpleand uniform system was, at the same time, benduced into the business of the Custom House. Dex alterations were productive of the best efcrs Sut the many changes in the enstoms duties 2. regulations which took place during the prtbened struggle terminated in 1815 having niaiatroduced a great deal of complexity into ebusiness of the Custom Ilouse, a new conaitativa was effected in 1825. The numerous Hates yelating to the customs, amonating, inWins parts of statutes, to abont 450 , were reded and compressed into some half dozen stavis of a reasonable bulk, and trawn up with a meubahle degree of perspienity.
The aumerous reforms eflected by Sir Robert doceaioned further changes; and these, and ratiots refurms efficted by Mr. Gladstone, de it necessary again to consolidute the customs $\therefore$ This was accomplished by the Customs 2ndilation Aet of 1853 , the $16 \& 17$ Vict. c. 1107. statute, which was drawn up under the di:ion of the late dames Wilson, lisq., Secretary to Treaury, is at once brief, comprehensive, and dearas to be level to the con?rchension of those "acquainted with such matters. 'ïtis, though ended by various subserpuent Acts and eswill the Customs Consolidation Aet of $23 \mathbb{S} 21$ (4. 110 , comprises the whole law respecting mportation, exportation, warchousing, smurEde. of goods, with the regulations to be ubon in the coasting and colonial trades \&c. Wowever, is only a part of its morit ; for, *e condensing and simplifying the various ms laws, it introduced some most important orements. It, for instance, made an elid, in tat least as the censtoms is concerned, of the titgulation which, by exempting the Crown the payment of custs, obliged a party in a mith the commissioners, even when successful, Yhis own expenses. It also relieved all -scized, on the allugation of their not having exproper duty, from seizure on the importer rang the amonnt claimed by the customs cpoint should be enctuired into and properly , When, if the customs were found to have
made an overcharge, a corresponding part; of the sum deposited should be returned to the merchant, with interest at the rate of 5 per cent., and the expenses of suit. The Act further provhled that an finporter who considered himself urgrieved by a dectsion of the Boaril of Customs might, if he chose, have the onse ellquired into in opel court before a commissioner, where he might meet the ofllicer making the necusation face to fare, and leari by examination and ot herwise the nature of ' he evldence by which it was supported, and the real thets of the case. The commissioner who conducts an enquiry of this sort reports the evidence so taken to the Board, whomay, therempon, condirm or modlty their aleciston; it being optional with the merchant either to alide by it or to carry the case before a competent tribumal. And in the event of the duty or penalty claimed being under towl., or of the case being of a simple kinl, it may be tried before mayistrates, county conrts, und other inferior tribunals, so that the bublic will no longer be debarred from asserting their rights loy the heavy expensentiending trinis in the Exchequer Court and at the assizes. The most important portions of this statute are given unter the varlous heads to whileh it refers [Coasting Thade; Colonies and Cobony Thabl; Imbobration and Finfohtation: Smugabina; de.]; but every merehant will do well to supply himself with the statute, ant to make its provisions the sulject of careful study.

Customs duties, like all duties on particular commodities, though advanced in the first instance by the merelant, are ultimately paid by those by whom they are consumed. When a Government lays a duty on the forcign commodities which enter its ports, the duty falls entirely on such of its own subjects as purchase these commodities; for the fureigners would cense supplying its markets with then if they did not get the full price of the commodities exclusive of the tax; and for the same reason, when a Government lays a duty on the commodities which its subjects are about to export, the duty does not fall on them, but on the foreigners by whom they are bought. If, therefore, it were possible for a country to raise a sufficient revenue by laying duties on exported commodities, such revenue would be wholly derived from others, and it would be totally relieved from the burden of taxation except in so far as duties might be imposed by forelgners on the goods it imports Irom then. C'are, however, must le taken, in immosing duties on exportation, not to lay them on commodities that may be produced at the same, or nearly the same, cost by foreigners; for the elfect of the duty woukd then be to make the market be supplied by others, and to put an entire stop to their exportation. But in the event of a country possessing any decided natural or aeguired ailvantage in the production of any sort of eommadities, a duty on their exportation would seem to be the most unexceptionable of all taxes. If the Chinese chose to act on this principle, and had the power, they might derive a cousiderable revenue from a duty on exported teas, which would fall entirely on the Engtish and other toreigners who buy them. The coal and tin, and perhaps also some of the manufictured goods proluced in this country, seen to be in this predicament.

The revenue derived from the customs duties in 1590, in the reign of Elizabeth, amonnted to no more than 50,0001 . In 1613 it had increased to $14 x, 07 \overline{5}$; of which no less than 109,5721 . were colleeted in London. In 1ti60, at the lestoration, the customs produced 421,58:2l.; and at the lie-
volution, in 1688, they producel 781,9871. During the reigns of Willinil III, and Anne the customs revenue was considernhly mgrnentent lis being payments into the exchequer limiuated liy the 1,315,423. pace of ravenue of (irent lifitain amoninted to cuntoms reven, 0001 ; in 1792 it amonnted to nearly 2, in 1815 , at the clowe of the war, it
 amounted $7 \%$. 11 s , the, und includhy Ireland, to $22,137,1201.18 .11 \mathrm{l}$.

Within the years $18.51-18+5$ customs duties reported to produce more than $14,000,0015$, have been repented, nud ollores, reckoned at nhout $3,250,0001$. have been impured. lint the customs revenue has fuirly kept pare with the reductions -the nmount received within this period varying from $21,000,0001$. to $2.1,160,0001$. And though, when great reluctions lase been some particular venue has doubtlessly lost on some consumption of duty-pnying articles.

Astomishing, however, as the increase of the customs revenue has cerintuly been, it is not quito so great as it appears. Formerly the duties on some consideruble articies, such as suifar, ied parily wine de. imported from abrom, their importation, into customs duter flate duties on their being taken and partly into $\begin{gathered}\text { But these duties have sinco }\end{gathered}$ into consump transferred to tho customs; the bechities affurded by mems of the warchousing system, for paying the duties in tho way most convenient for the merchant, having obvinted the necessity of dividing them into dilferent portions.

It will be seen from various articles in this work[lbandy; Geneva; Smuggling; Tea; Tobacco ; \&c.] that the exorbitnit amount of the duties which have been laid on varions articles imported from abroad leads to mides, nu smuggling and frand; and requires, , extrnordinary expens in many dith be nooided the customs service, whithin more reasonable were these duties reduce the business of Governlimits. This, however, is the with the manment, and not of thoso in it would be unjust agement of the customs; in this departirent to the latter not to mentoved, during the present has been essentinlly improm, whatever may be century, in respect of economs, wowing extracts thought of its eflicien: 1 Con. H. Goulburn, from a letter to the ascribed to a for:ner sal , rive a brief lut Customs (l. 1). W , he improvements that huve satisfactory view of the been effected:-

- As regards the department of customs in 1792, the principal oflicers engaged in the receipt of the duties in the port of london were patent otlicers.
'The first Earl of Liverpool was collector inwards.
' 1 'ho late Duke of Manehester, collector outwards.
'The Duke of Neweastle, and afterwards the Farl of Guilford, comptroller inwards and outwards.
'Lord Stowell, surveyor of subsidies and petty customs.
'These noblemen took no part in the official dutics, but merely exercised the right of appointing deputies and clerks.
- Both principals and deputies were remunerated by fees. The patentees received the fees denomi-
busines: the aceount aad returns of all kin retured; and various astablisthed; the whole ment remoslelled, and commerie of the coint
In Ireland the naml all he ports in the ye the silurien and charge rumber and expense a in wix: nal within th two thirls of the oflleer dreland have been di basing been, in1 1818, an annual reduction lin ben effected to the amount having been, in $1164^{3} 1 \mathrm{LL}$ ( $103,2313 \mathrm{l}$. of molucd between the ye an expenditure of 28 , were neurly equal, in in 1823 , notwithstanc bie etros Channel duti 3 wivol. per namim, protiod.
'laflacneo is no lon and in many crises curnd, and in which $t$ meat might have been bea at usce abandoned to arangemeats by wh very intelligent and hi whose oflives hall been a nadced arailable with public,
'Br an order from t sury; of Vebruary 20,18 commiswioners, and of o prospectively reduced, revise the whole establi: that order, with a view duction.'
Defects and Improveme blishment.-The above al Ind reflect credit alike he Buari ol Customs. Tithstanding, beert less con expecied. Some y hat extensise frameds had thry of silks, gloves, a tieles, through the con ficers. The origin, no oin similar frauds, may tancy of the then exis
asequent temptation w muggling on the part of
maption of the oflicers. at the same time, abu ything like an efficient en excreised by the co perior officers, these frat ried on so long, or to
amissioners could not b mo misioners conkitude Iry of goods in the Th lassured them that su ependently of this, th bonshod to the con the ach custom-house of tl ves se, from France
ies of the same in our as the duty of the con extraordinary discrepal redialely entered into a riyin, aad not to hnve
busines: the aceounts kept in the different ofllees, bud returns of all kinds, revised, simplitied, and celwed; and varions minor regulations of detall asabliwhent; the whole machinery of the depurtment remumelled, and adapted to the trade and mammerce of the country,
In Ireland the number of officers employed at allithe purts in the year cuted Jan. S, 1830, nund the salaries and charges, did not much exceed the pumber and expense at the port of Dublin ulone in $1 \times 1 \times$; and within the space of 11 years nearly twa thirls of the oflcers employed at the ports in freland have been discontimed; the ntiober basing beet, in 1818, 1,755; in 1829,514, and an sonat reduction in salaries and charges has Wea ethectet to the extent of 17:1,724.1.; the mpunt having been, in 1818, 285, 1156 . ; it 1829, 114915. (103,413l. of that amonnt having been muced between the years 1823 and 1828), upon an expentiture of 280,1150 ; and the recepts wete nearly equal, in 1827, to those of 1818 add $1 \times 23$, notwithstanding the total repenl of the ctows Channel dutles, amounting to absont fingor. per ammem, subsequent to the latter prond.
flatuence is no longer allowed to prevail; ant in many cases which have recently oceunel, and in which the patronuge of Government might bave been fairly exereised, it has benatoree abandoned in order to give way to armyements by which the serviees of some very inteligent and bighly respectable oflicers, whose utives had been abolished, could be ayrain naded available with a material saving to the public.
${ }^{\text {Pr }}$ By an order from the Lords of the Treasury, of February 20, 1830, the salaries of the cominisioners, and of other officers, have been prospectively reduced, and directions given to revise the whole establishment in the spirit of that urder, with a view to every possible reduction.'
Defects and Improvement of the Customs Eista-Wishment,-The above are great improvements, ind reflect eredit alike on the Govermment and the Barri of Customs. But the latter has, notithanding, beet less efficient than might luve ken expecied. Some years ngo it was found hat extensive frands had becol carried on in the ort of Lundon, for a lengthened period, in the atey of silks, gloves, and other highly taxed tides, through the comnivance of the customs fires. The origin, no doubt, of these, as of Dit similar frauds, may be traced to tho exortaney of the then existing chaties, and to the asequeat temptation which they held out to puygling on the part of the importers and the muption of the oflicers. But, admitting this, it at the same time, abundantly clear that had ything like an efficient supervision and check anexercised by the commissioners and their perior oficers, these frauds conld not have been fied oul so long, or to such an extent. The missioners couhl not but be aware that frauds noeommon magnitude were tnking place in the Iy of goods in the Thames. Private parties 1 ussured them that such was the case; mud, dendently of this, the fact must have been Wished to the conviction of every reasomable fon by comparing the accounts given by the ach custom-house of the exportation of silks, tes \&c. from France for England, with the ies of the same in our customs returns. And as the duty of the commissioners, on sceing extraordinary discrepancy, to have themselves rediately entered into a searching enquiry into rigia, and not to have develved that dinty on
othern, or waited till the frands were illscovernd by the confessions of aome of those eugaged in earrying them on
We hope it will not be supposed, from anything now stated, that we have miy wish to extimuate the griitt of the oflicers who participate in the plunder of the revenue; but, how much numl how theservelly soever wo may bane then, wo need not be surprised, conshldring their situation in life, the smalliess of their salarios, and the carclessness of their superior., that they shondit sumetimes yich to the powerful temptations to which they are exposed.
In |xint the Commissioners of Customs were so ill-nlvised as to lnstitute numerons actions, some of them of a very paltry ceseription, against two of the principal London Doek Compmiles. We mentioned in a former edition of this work that these acthons, even if the Commissioners were snceessful, would most probably do little more than establish some irregularity or nerteet of duty on the part of the Dock Companies, whose interests, in as far as the collection of the revenue is concerned, are, in effect, identical with those of the Govermment. The result has more than justifled these anticipations. Tho proceedings arainat the Companies, which were of a most vexations, costly, and oppressive charneter, terminated in their stibstantial acyuitta. The irreritlarities (fin chey amounted to nothing more) of which they were convicted were vinial in the extreme, and, in truth, guite unworthy of pablic notice.
This, however, is a caso in which good was educed out of evil. The extraordinary proceetings now refer red to, compled with the delays and other annoyances expericuced by merchants in transacting business with the Customs, rendered that dcpartment extremely mopopular. A very reneral temand was in consequenee made for an effectunl reform of the practices followed in the Custom llouse, and fer a reconstrnetion of the Board. The subject was earefully investigated by a committec of the Ilouse of Commons; and the most important object, or the simplification of the business conducted by the Customs, ant the placing it on a more equitable footing, was in great measure elfected by the Consolidation Aet to which we lave already referred. The lloard was not indeed anended; hat there are fewer Commissioners now than formerly, so that the responsibility nttaching to each is increased, though the general opinion seems to be that they are still too numerons. It is believel that in fiture, when new Commissioners are appointed, they will be selected, more frequently than hitherto, from among the officers of the establishment, and the mereantile body; and this, notwithstanding the contrary opinion of the Commissioners, would probably be an improvement
It is possible that smuggling is still carried on to some extent, and if so, that the articles of tobacco and spirits are the chict oljects of this illicit trade. But we are persuaded that the practice is declining, and that it is looked on as dishonest and disreputable by almost all classes of the community, not only to break the revenue laws, but to deal with those who do so. ismugating.]

For Tariill of the Unitel Kingdom, see Tariff.
The following table gives ant account of the Customs duties received on varions dhty-paying articles in the year 1865. Since this time, however, the duties on pepper and timber have been repealed, and that on tea has been reduced. The cluties also on wines in bottle have been equalised to those on wine in wood.

CUSTOMS
Custons Revenue, 1865.


- Abolished.
N.B.-The Board of Customs have issued twelve money shall have been or shall be granted and amnal Reports on the state of the Cust of usefu! shall have been employed in the service of partment, which embody a great deal of usefu? information. The first Report, which gives an incoment of the history and progress of the department, is especiaily interesting.
The following clauses of the Customs Consolidation Act, the $16 \& 17$ Vict, c.
uppointment of customs offirers. shall be lawful for Appointment of O/ficers.- Il shar, or, under their the Commissioners of the Treasury, Customs, to apanthority, the Comms for the management and colpoint proper persons for and the performanee of all lection of the customs, mud the performantrol and duties connected therewith, ind Cor Customs, and to direction of the Conmimssioners on ches or allowances, grant to such perm to receive such emolnments for of to permit them the of their respective ofises, as executing the dutics of equire of sueh persons such may be proper, and to require of as the said Comsecurities for their Customs shall deem necessary; missioners of the shall hold their othiees during and such persons Commissioners of the Treasury the pleasure of the Commes of Customs; and all or of the Conmissioners of to nuy othicer or salaries or allowanecs grimited to astoms shall be other person ia the service of the Customs of any paid without any deduct of Parliament, unless duties imposed by any Act of and when any sum of
forsuch purpose, shall be deemed to be done at the of this Aet, and all bonds or other securities which aricular place so required by law; and all com- shall have been given by or for any such officers misions, deputations, and appointments granted and their respeetive sureties for good conduct or may officers of the Customs in foree at the com- othelwise shall remain in full force. (Sec. 2.) mencement of this Act shall continue in force as if Clanse 3ril enacts that any officer taking fee or the same had been granted under the anthority reward not anthorised by law shall be dismissed.

In Accomnt, showing the Annual Gross Reccipt and Nett Produce of the Customs Revenue of the United Kingdom from 1807 to $186 \mathbf{6}$, with the Charges of Collection thereon, and the Rate per Cent. of Collection on the Gross Receipt and Nett Produce respectively.

| Year | Gross Recelpt | Ni it Produce, after Dethectieng Drawbaeks 太cc. | Charges of Collection | Hate yer Cent. of Collection |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | On tirows Receipt | On Nett Prosluce |
|  | 15,091,7:31 | 12, $\frac{\boldsymbol{E}}{\boldsymbol{\tau} 20,375}$ | 1,11214,341 |  |  |
|  | 14,54, 1010 | 12, 297,798 | 1,093, in | 710 | 8 $\times$ |
| 1599 | 16,911,989 | 11,71, 6 6\% | 1:230,277 | $7{ }^{7} 53$ | 872 |
| 1810 |  | 11,287, 171 | 1,3: $0,2,3.3$ | 7164 | 919 |
| 1811 | 13,110,158 | 13,13, ${ }^{\text {, }}$, 71 | 1,113, 16.3 | 959 | 10138 |
| ${ }_{1015}^{1913}$ | 16.942 | 14,39773 | 1, | $9{ }^{9}{ }^{\text {y }}$ | 10 |
| 1813 | 17,02, 20,3 | 15,025,691 | 1,691,117 | 9129 | 10185 |
| $1 \times 15$ |  | 1,1,330,3140 | 1,689,016 | 1032 | 31159 |
| [196 | 1,013,213 | 11,891,563 | 1,749, 47.4 | 1264 | 11111 |
| 148 | 15,866,673 | 13,74,987 | 1,596,159 | $10{ }^{1}$ | 11123 |
| 1418 | 15,916,776 | 13, $12,490.481$ | 1,6496 | 11 12 9 <br> 10 19  <br>    <br> 10   | $\begin{array}{llll}1.2 & 9 & 0 \\ 13 & 5 & 8\end{array}$ |
| (1819 | 14, 100, $5 \% 1$ | 11,969,390 | 1,591,71.3 | 10910 | 136 |
| $18: 1$ | 14,789,705 | 14,1,54,524 | 1,395, $2 \times 5$ | 11) 1 | 1212 |
| 142\% | 1, 3831,711 | 12,923,420 | 1,517, 517 | 1015 | 11196 |
| 1443 | 15,50-869 | 13,966,151 | 1,5177,789 | 110 | $\begin{array}{llll}11 & 4 \\ 10 & 15 \\ 0\end{array}$ |
| 149 | 20, 368,653 | $13,544,033$ $13,96,258$ | 1,501,7113 | $\begin{array}{llll}9 & 4 & 9 \\ 7 & 7 & 9\end{array}$ | $\begin{array}{rlrl}10 & 15 & 9 \\ 7 & 18\end{array}$ |
| ${ }^{192}$ | 80,582.945 | 19,562,973 | 1,5,37,108 | 79 + | 7174 |
| 14.4 | $21.0109,053$ | 1904193.383 | 1,494,170 | 7110 | 796 |
| 1899 | 40,608,711 | $19,417,181$ $19,498,346$ | 1, $13,4,4619$ | $7{ }^{7} 111$ | 7 9 9 |
| (19) | 21, $0 \times 1,54$ | 19,2987, 101 | 1,295,189 |  | 8128 |
| nil | 17,655,940 | 18,267,07: | 1,178. | ${ }^{6} 14.18$ | 743 |
| ${ }^{1318}$ | 19,688, ${ }^{\text {a }}$ | 17,46,4851 | 1,376, 365 | 61910 | $7{ }^{7} 1$ |
| 103 | 21,118,920 | 20, 118, | $1,3.34,92.3$ | 669 | 6138 |
| 103 | 2.3,148,899 | 22,146,018 | 1,3.56,725 | 517 \% | $6 \% 6$ |
| 12 | \$3,959, 137 | 23,144, 8 ,768 | 1,311,467 | $5{ }_{5} 96$ | 51310 |
| 侕 | 22,907,616 $\mathbf{2 3 , 2 1 0 , 8 9 1}$ | 82,063,119 | 1,294,818 | 3130 | 5174 |
| 129 | 23, $23,510,8881$ |  | 1, $1,290,672$ | 5 <br> 5 <br> 18 | $\begin{array}{llll}5 & 16 & 4\end{array}$ |
| (194) | 22,6,57, 94, | 2.3,311,913 | 1,2x6,3,3,3 | \% 89 | - 103 |
| 141 | 23,841,186 | $23,512{ }^{3} \mathbf{3 7 5}$ | 1,266,549 | $6{ }^{6} 64$ | $5{ }_{5} 78$ |
| 1542 | 44,771,31.5 | 22,523,513 | 1,224, 2917 | 5 10 <br> 5 9 | 5115 |
| 193 | $22,8.31,169$ | 29649, ${ }^{0}$ | 1,251,1,36 | ${ }_{5} 9$ | 510.3 |
| 14, | 22,0077378 | $21,706,197$ | 1,879,914 | 5 16 | 5180 |
| 1546 | 24,611,7018 | Y4, $27 \times 2,517$ | 1,261,273 | 51110 | 3136 |
|  | Y1, ${ }^{2} 24,010$ | 21,655,664 | 1,301,173 | $519 \%$ | $6{ }_{6} 16$ |
| 1214 | 29,78.5,91\% | 24,593,977 | 1,512,714 | 5133 | $516{ }^{2}$ |
| 319 | 2c, | 29, 2688864 | 1,301,287 | ${ }_{5}^{515} 9$ | ${ }_{5} 1611$ |
| S10, | 42,373,662 | 22,197,075 | 1, $29.10,756$ | ${ }_{5}^{5} 158$ | ${ }_{5} \mathbf{3} \mathbf{1 6} 1$ |
| 182 | 24, 312,514 | 24, 37,120 | 1, $1.68,142$ | ${ }_{5}^{5} 138$ | 5117 |
| 163 | 22,737,28 | 22,515,913 | 1,302,721 | 5117 | 5159 |
| Sessending |  |  |  |  |  |
| 135 | 29,21.5,118 | 21,991,675 | 1,256,135 | 51211 | 5113 |
| 1336 | 2.7,481, 118 | 2, $3,213,797$ | 1,313,150 | 5120 | 5138 |
| 135 | 23,953 5,28 | 23,488, 136 | 1,107,554 | 4125 | 4118 |
| 1358 | 23, 903,770 | 2, $2,475,743$ | 813.737 | 3116 | $318{ }^{6}$ |
| 1189 | 24,376,169 | 23,998,3886 | 33x, 40.3 | 389 | 3910 |
| 180 | 24,789,793 | 21, 291,084 | 823,284 | $3{ }^{3} 5$ | 376 |
| 1461 | 23, 316,881 | 23, 474,250 | 769, 1,683 | $\begin{array}{lll}3 & 5 & 5 \\ 3 & 1 & \end{array}$ | 361 |
| ${ }_{\substack{186 \% \\ 163}}^{103}$ | 23,037,7\% ${ }^{\text {a }}$ | 2.3,694, 9.3 .5 | 733,218 | $\begin{array}{llll}3 & 1 & 3 \\ 2 & 19 & 8\end{array}$ | $\begin{array}{llll}3 & 1 & 11 \\ 3 & 0 & 5\end{array}$ |
| $1 \times 5$ | 2, $2,3,369,1701$ | 23, $21.33,536$ | 726,517 74.791 | 3211 | 3 3 10 |
| 1463 | 43,014,762 | 42,775,66\% | 769,2017 | 360 | 368 |
| 1465 | 42,294, 340 | 24, 076,257 | $77^{2} 8.888$ | 3.94 | 3100 |
| 1867 | 23,6711,593 | 2.3,107.3,9\% | 781,153 | 3 6 | 3.7 |

wmary Account, showing the Amount of Revcnue Collected by the Customs in London, Liverpool, Bristol, and the Outports of England, Scotland, and Ireland respectively in the Years ended December 31, 1861-67.

| I'orts | 1861 | 1862 | 1863 | 1861 | 1865 | 1866 | 1867 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 11,009, | ${ }_{12,156,115}^{\text {fin }}$ | 11,971,397 | 11,491,112 | ${ }_{10,9{ }^{\frac{\mathcal{L}}{2}, 913}}$ | ${ }_{10,5.50,063}^{\text {f }}$ | $10.519,711$ |
|  | , $3,7 \times 1,0,7$ | 3,219, 6,67 | 3,138, 104 | - 2 ,403,415 | 2,747,511 | 2,467,501 | 3,041),501 |
| dol | 1,3376,45, | 1,317,177 | 1,1.0),599 | 1,103,0061 | 1,106,211 | 1,174,181 | 3,110,387 |
| er Ports | 4,176,939 | 2,116,3x4 | 2, $1 \cdots \times, 962$ | 2,138, 202 | 2,193,459 | 2,2,99,1165 | 2,162,161 |
| xet Ports | 9,677,158 | 2, Mn5, 819 | 3,017,974 | 2,426, 417 | 2,719,175 | 3,038,817 | 3,129,964 |
| ${ }^{4}$ Prests | 20,281, 671 | 2, 248,314 | 2,156 249 | -,04i, 34; | 4,011,603 | 2,046,514 | 8,121,5.51 |
| Total | 43,657,513 | 83, 993,316 | 23,588,933 | 22,498,211 | 21,799,978 | 21,996,351 | $27,684,283$ |

delaration on Admission to Office.-Wvery per- jesty's Customs ; and that I will not require, take, thio shall be appointeci to any office or employ- or receive any fee, perquisite, gratuity, or reward in the Custonis, under the control and direc- whether pecuniary or of any sort or deseription of the Commissioners of Customs, shall on whatever, either directly or indirectly, for uny d.ssion thereto make the following declara-
$A, B$. ilo declare that I will be true and fol in the execution, to the best of my kr.jwand power, of the trust committed to my and inspection In the service of her Maservice, act, duty, matter, or thing done or performed or to be done or performed in the execution or discharge of any of the duties of my office or employment, on any account whatever, other than my salary and what is or shall be nhowed mo by law, or by any specinl order of the Com-

## CYPRESS

missioners of her Majesty's 'Treasury, or the Commissioners of her Majesty's Customs for the time being.' (Sec. 4.)

Hours of Attendance s-c.-The Commissioners f the Treasury may by their warrant free of the to time appoint the hours of attens, no of other Commissioners and offieers of Customs, at their proper persons in the Customployment; and the Com offices and places of employ appoint the times missioners of Customs may apporticular parts during such hours at whien any pud other persons of the duth berformed. (Sec. 5.)
Holidays.-No day shall be kept as a public Holay by the Customs except Christmas Day nond Good Friday, and such other days as may be and Good to be kent as such hy proclamation; and of far as regards Scotland, such days as shall be appointed to be so kept by authority or the General Assembly, and also such days as shall have of the or may be appointed for the cer suecessors, and birthdays of her Majesty nnd her sueecssors hy the such days shall be kept as public hompanies in the officers aud servan. (Sec. 6.)

Officers of Customs not to scrue in public Offices. No commissioner, officer, clerk, or other person acting in the management or collectione militia Customs shall be compest or to assume the office or ons any jury or himuest, and in any corporate, of a mayor or sherint, or
parochice, of Inspector General of Imports and Ex-ports.-The oftice of inspector general of imports and exports was established in 1696 . The accounts of the trade and narigation are furnished by annually laid before Parliament, are the officers, this office; and from the in which these aecounts and the improved out, they have become of great are now made Their accuracy must of course, public importance. Theiract of entrics; but as redepend on the accurncy of the duties are reasonable spects articles in which, consequently, there is no or low, and in which, conseque importation, they great temptation to elandesty nocurate. It is now may be regarded as nearly the quantities of the usual to give statements of and imported, as well prineipal articles exported andes; which is a great as of their deel
improvement. A term used to designate all man-
CUTLERY. A term used to designate ade of iron ner of sharp and cutting instruments made of irons, or steel, as knives, forks, seissors, seytires \&c. Sheffeld but the small quantity of cutlery manufacture, bude in London are said knives and other articles
to be of superi Geo. Ill. c. 7 gives the manufrcThe Act 9 Geo. Mde of wrought steel the priviturers of cutlery mang stamping them with the figure loge of marking or stampibits the manulaeturers of of a hammer; and prohibedge tools, or hardware, any articles of catlery, edge manufactured othercast or formed in a mon a hammer, from marking wise than by means of a the figure of a hamuer, or impressing upon them resembling it, on pain of or any gym all such articles, and $5 l$. for every dozen. forfeiting all such per dozen, exclusive of forfeiture, A penalty of $10 l$. per dozen, exclusive of forg artieles is also 1 mposed upon every person hurpose of sale of cutlery in his possession of cutlery

D. MAGED the Customs, go recirel some in oriu the bonded It is eaacted by no claim for any of any goods imp shall be allowed claim be made of andin such form a of tiustoms shall the satisfaction of their officers tha attersuch goots hr ship, and before th Kinglom; and all and wreck brougl Kinglom, and all lnited Kingdom, the same duties as potation into the s dom are subject to, satisfaction of the such goods are the g of any country or same may be entit than the foreign d same, if liable to d meat in respect of st sustained hy such $g$ derelict, jetsam, flot shall le nssessed by competent thereto, misisoners of Caston troller of the port in imported or brought doult as to the amon call upon two inditt the goods, and cert julgment, the same damage, whereupon may make an aba the duty originally allowance shail be $m$ intlicus, aux vomica spirits, com, grain, m cocoa, oranges, tea, mats, raisins, wine, a D.AMAR. A king pentine exuding spon madizenous to most of
trees produce differen aexignated aecording istence. 'One is ca or Dumar-selo in Jav tony resin ; and ano Putch, or white resin shinh produce the Haantity, and genera nakink incisions. I pranches in larece lum nder the trees. As cea-side, or on the $b$ requently floated ay Daces ss drift. It :a 0 :hich we apply pi be bottoms of ships

## D

DAMAGED GOODS. In the language of the Customs, goods, sulject to duties, that have receivel some injury either in the voyage home of in the bonded warehouses.
It is eaacted by the 16 \& 17 Vict. c. 107 that no claim for any abatement of duty in respect of any goorls imported into the United Kiagdom shall be allowed on accouni of damage unless such claim be mado on the first examination thereof, andin such form and manner as the Commissioners of Cistoms shall direet, nor unless it be proved to the satisfaction of the Commissioners of Customs or theit officers that such damare was sustained ater such goods had been shipped in the importing ship, and before the landing thereor in the United Kiaglom; and all goods derelict, jetsam, tlotsam, and wreck brought or coming into tho United Kingdon, and all droits of alliniralty sold in the Unitel Kingdom, shall at all times be subject to the same duties as goods of the like kind on importation into the same part of the United Kingdom ate subject to, unless it shall be shown to the satisfaction of the Commissioners of Customs that suchgods are the growth, produce, or manulacture of any country or place by virtue whereof the same mar be entitled to be admitted at less than the foreign du'y, or duty free, or that the same, if liable to duty, are entitled to an abatcment in respect of such damage ; and the damage sustained by such goods, whether so imported or derelict, jetsam, flotsan, or wreek as aforesaid, shall le assesset by the officers of the Customs, if competent thereto, but if not, or if the Commisioners of Customs, or the collector or comptrollet of the port into which the same shall be imported or brought as aforesaid, shall entertain doult as to the amount of such damage, they may call upon two indiflerent merehants to examine the goonds, and certify to what extent, in their juigment, the same are lessened in value by such chamage, whereupon the officers of the customs may make an abatement not exceeding $\frac{3}{4}$ of the duty originally chargesble thereon; but no allowance shall be made for damage on cocculus indicus, aux vomica, rice, guinea grains, lemons, spirits, com, grain, meal and flour, opium, sugar, cocoa, orauges, tea, coffee, pepper, tobacco, currants, raisims, wine, and tigs. (Sec. 76.)
DAMAR. A kind of indurated piteh or turpeatiac exuding spontaneously from various trees indigenous to most of the Indian islands. Different trees produce different species of resia, which are resigated accorling to their colour and conasteuce. 'One is called Damar-batu in Malay, or Dumar-selo in Javanese, which means hard or lony resin; and another in common use, DamarPuth, or white resin, which is softer. The trees thich produce the damar yield it in amazing fuantity, and geaerally without the necessity of making incisions. It exudes througl the bark; nd is either found adhering to the trunk or pranches ia lare cumps, or in masses on the ground inder the trees. As these often grow near the ea-side, or on the banks of rivers, the damar is requently floated qway, and collected in distant laces as drift. It is exported in large quantities o Bengsl and Chini, and is used for the purposes 0 which we spply pitch, but principally in paying he bottoms of slips By a previous arrangement
almost any quartity may be procured at Borneo, at the low rate of t dollar per picul.' (Crawfurd, East. Archip. vol. i. p. 455 ; vol. iii. p. 420.)
DAMASK (Ger, damasten tafelzeug; Duteh, damaskwerk; Fr. veaise, damas; Ital. tela damaschina; Span. tela adamascada; Russ. Kamtschntuill salffiki). $\boldsymbol{A}$ species of table lineli. [Linen.]

DANGEROUS GOODS. By sec. 329 Merchant Shipping Aet, $17 \& 18$ Vict. e. 104 , it is enacted that no person shall be eatitled to carry in any ship, or to require the master or owner of any ship to carry therein, any aqua fortis, oil of vitriol, gunpowder, or any other goods which, in the judgment of the master or owner, shall be of a dangerous nature, and provides that notice shall be given of the eharacter of such goods under a penalty not exceeding 1001. (Stevens On Stowage, 166 seq.)

DAN'IZIC. One of the principal emporiums of the morth of Europe, in West Prussia, lat. $54^{\circ}$ $20^{\prime} 48^{\prime \prime}$ N., long. $18^{\circ} 38^{\prime}$ E. - lopulation, accorling to census of 1864, 90,334. [Germany.] It is situated on the left or western bank of the Vistula, about 4 miles from its embouchure. The harbour, Neufahrwasser, at the mouth of the river, is defended on each side hy pretty strong forts. The town is traversed by the small river Hothan, which las been rendered navigable for vessels drawing 8 or 9 fect water.

Roads, Port \&c.-The road or bay of Dantzic is covered on the west side by a long, narrow, low, sandy tongue of land, extending from Rescrioft Point (on which is a light-house), in lat. $54^{\circ} 50 \mathrm{~h}^{\prime}$, long. $8^{\circ} 23^{\prime} 15^{\prime \prime}$, upwards of 20 miles in an east by south direction, laving the small town of IIecla, or IIeel, near its termination. A lighthouse, elevated 123 feet (Eng.) above the level of the sea, has been erected within about $\frac{1}{2}$ mile of the extremity of this point. The flashes of the light, which is a revolving one, succeed each other every $\frac{1}{2}$ minute. Dantzie lies about S . $\frac{1}{2} \mathrm{~W}$. from the Heel; its port being distant about 4 leagues. There is good anchorage in the roads for ships of any burden; but they are exposed, except immediately under the Heel, to the north and north-easterly winds. There are harbour lights at the entrance to the port. All ships entering the Vistnla must heave to about a mile off the port, and take a pilot on board ; and pilots must always be employed in moving slipips in the harbour, or in going up and down tise river. The usual depth of water at the moxth of the river is from 12 to 13 feet (Eng.) ; in the harbour, from 12 to 14 feet; at the contluence of the Motlau with the Vistula, from 9 to $9 \frac{1}{3}$ feet; and in town, from 8 to 9 feet. Moles have been erected on both sides of the entrance to the harbour: that on the eastern side, which is most exposed, is constructed of granite; the other is partly of stone and partly of timber.

Trade of Dantzic.-Next to Petersburg and Stettin, Dantzic is the most important commercial city in the north of Europe. The average annual value ( $1862-65$ ) of its exports is $3,003,4601$., and of its imports 808,1741 . It owes its distinction in this respect to its situation; the Vistula, with its important tributaries the Bug, Narew \&c., giving it the command of a great internal navi-
gation，and rendering it the entrepôt where the surplus products of＇West I＇russia，Poland as far as Hungary；and part of Lithuania，are exchanged for those imported from the foreigner．The ex ports of wheat from Dantzic are generally greater than from ary other port，Odessa excepted．There are four sorts of wheat distinguishel here；viz white，high－mixed，mixed，and red，according ns the white or red predominates．The quality of Dantzic wheat is for the most purt excelient ；for，though small in the seed，and not so heary as many other sorts，it is remarkably thin skinned，and yiclds the tinest flour．The white Jolish whent exported here is the best in tho Haltic．Rye is also very superior，being both elean and heavy：the exports are considerable．The exports of bartey and oats are comparatively inconsiderable，and the qualities Int indifferent．Very fine white peas are exported． Next to grain，timber is the most important ar－ ticle of export from Dantzic，but latterly the supply has been timinishing，and the quality is siid not to be so good as formerly．（Meek．） The principal supply of fir timber，masts \＆c． is broughi by the river Narew，which，with its branches，rises in Old Prussia and Lithmania， and falls into the Bug near the confluence of the latter with the Vistula．Oak planks，staves de．are brought down from the higher parts of the Vistula， and the tributary streams of Dunajetz，Wieprez \＆c．Salted pork，weed ashes，linseed and rapeseed mats，bones，zinc，sprnce beer，feathers de．aro also exported

The following is an account of the shipments of grain from Dantzic in 1866：－


Oil Seeds．－These are chiefly rape．Of these were exported to the United Kinglum in 1865， 427 lasts，to Belgium 500，to Demmark 33，to F＇rance 205 ，to Holland 122 ，to Prussian ports 381，to Sweden 90．Total 1，708 idsts，valned at 420，400 thalers．In 1864 the value was $1,332,400$ thalers Considerable quantities of oil are also exported．

Timber．－The following is the quantity of tim－ ber exported from Dantzic in 1865 ：－

|  | Quantity | Value | Stock |
| :---: | :---: | :---: | :---: |
|  |  | Thalers |  |
| Pleces of full．sized square fir <br> ＂amalissized square fir | 253，057 | 1，910，200 | 351，485 |
| Fir＂deck deals Masts，spars，how＇sprits | 339，513 | 665，800 | － |
| Lathwood＊－fathoms | 3，613 | 4，5，000 |  |
| Oak planks | $8 \times 113$ | 147， 1.0 |  |
| Piecei of oak crooks | 34，1918 | 390， 000 | 72.103 |
| Oak planks，1st brack | 7，656 | 72，610 | 11，994 |
| eppers and sleeprer lo | 16，416 | （93，600 | 12，305 |
| Sehpers of oak steeves | 1，11，952 | 889,610 $4.15,1000$ | 11，36 |
| Other quantities |  | 15，500 | 17 |
| Total | － | ， $6 \times 8,0$ |  |

Statcment showing the Destination of Shipmeuts of T＇imber from Dantzic in 1866.

|  | To（iermany end North of Europe | To France， 13olland， and Betgium | To the Unitel Kingilom |
| :---: | :---: | :---: | :---: |
| Fir timber－pleces | 35，199 | 29，758 | 16818.299 |
| Eimal！timber－＂ | 5，519 | 7，013 | 16，239 |
|  | ${ }_{91}^{1818}$ | 118.381 | 106 71.966 |
| Deck teals and leals＂ | 91,144 93,5123 |  | 71,966 $4 \times 14,6 \times 7$ |
| Slerpers，oak and fir | 93， 513 | 211，882 | 420，687 |
| Treenails－sthocks | 227 | 28.5 | 4，510 |
| Oak timber \＆c．jieces | 7， 76 | 16，1948 | 24.514 |
| Ook plank ：schöks |  | 1，743 | 36，482 |
| Staves－－schocks | K，TH6 | 5，115 | 17，671 |

The following is the value of the prineipal articles exported：－

|  |  | 1801 | 1865 |
| :---: | :---: | :---: | :---: |
|  | Thalers | Thaters | Thater |
| Wheat | 13， 192,53 | $8.332,460$ | 11，intin |
| Other tirain－ | 5，669，388 |  | 3， 141,161 |
| Olimeeds－ | 6． 14.308 | 1， $1.32,163$ | 4＜5； |
| Timber（alt kinds） | 5， 14010100 | 3，535，149 | 4，654， 114 |
| Oil（in casks）： | 9\％， | 142，160 | － 81.140 |
| Homer－ | 21， 3 3， | 39，99， | 9，66ify |
| l＇ekked Pork |  | 125，010） | 2， 6,6 \％${ }^{\text {a }}$ |
| Spruce lleer | 65，411 | 65，541） |  |
| All other articles | ди\％ | 2104， 210 | 91，59］ |
| Trual | 2.50 .30 .5 ， HH | $16.699 .096{ }^{\text {a }}$ | 20，3\％， 0 ， 60 |

The exports to the Uuted Kingdom in 1865 were valued at：－

| Girain | － | － | 1，6511，0¢m |
| :---: | :---: | :---: | :---: |
| ＇rimber－ | － | － | －110890， |
| Other articles－ | － | － | 52， $1 \times 41$ |
| Total | － | － | 2，106，000 |

The principal imports are coals from the North British ports，metals，fish（chiefly herrings）from Norway，drugs，dye stuffs，and hides．The total value is reckoned in 1866 at $6,0 \div 6,824$ thaters， which with the imports represents a trale of $3,693,9481$ ．
The annual imports from the United Kiagdom were，on an average of $1861-3,410,0000$ ．；in 1854 ， $367,000 L_{\text {．}}$ ；in 1865， $501,0001$.
The merchants of Dantzic are but little giren to speculation ；and the value of the impurts into the city seldom exceeds half the value of the exports．
In addition to the Royal or Government Bank， mentioned in a subsequent part of this article， private joint－stock bank was established in lxj．j．
Shipping．－The nverage number and tonage arrivals churing the 7 years 1853 － 9 was $1,6 t \mathrm{t}_{\mathrm{t}}$ ， 185,000 lasts burclen ；during the 5 years $1860-1$ 2,728 ，of 281,229 lasts burden．In $186^{\circ}$ there wer 3,200 ，of 327,184 lasts，which departed from the port．Some large and fine ships are built a Dantzic．Steamers from Ilull and London arrir here almost every week，and steamers are nowt be found in all the navigable parts of the Vistuls

The number and tomage of the vessols tha arrived at Dantzic in 1866，according to thei nationality，were as follows：－

| Under what Flag | Number of V＇essels |  |  | Tonuaga |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 坒 | $\varepsilon \stackrel{\tilde{H}}{\tilde{\sim}}$ | 宕 | 㡲 | 成婁 | － |
| 13ritish | 2：3，3 | 115 | 34\％ | ${ }_{\text {l }}^{\text {lasts }}$ |  | ${ }_{5}^{\text {lata }}$ |
| Germen | 55.3 | 501 | 1，103，3 | \％0，M11 | 56，981 | 14i， 9 92 |
| Danish | 32 | 2.52 | 281 | 1，405 | 14，isz | 16，59\％ |
| Swedish and |  |  |  |  |  |  |
| Norwegian－ | 95 | 68 | 16.3 | 4，733 | 4，912 | 9，6，5 |
| Dutch | 109 | 89 | 1yN | 9，08， | 5，8i3 | 11，949 |
| Freach | 3 | 8 | 11 | 427 | 908 | $\underline{1,13}$ |
| Belgian $\mathbf{R u s s i a n}$ － | －2 | 3 | －3 | 258 | － 29 | 391 |
| Uniterl States | － | 1 | 1 | $\square$ | 910 | 940 |
| Total | 1，1227 | 1，036 | 2，1063 | 118，599 | 10，6，5 | 3 |

During the three years 1861－3 the Britit shipping had been 22.5 per cent．，but during Damish war it rose to 35 per cent．The value the cargoes bound for ports of the United Kingd was estimated at the sum of $2,000,000 \mathrm{l}$ ，the th alone being $1,000,000 l$ ．

Freights in 1865．，－Coals：per keel from X castle to Dantzic，to be delivered in toma， 6 L 71.10 s ．Wheat，per quarter of 500 lbs ．weight： London，2s，to $4 s_{v} 6 d$ ．；to Liverpool and lrelas $3 s_{0} 3 d$ ，to $5 \mathrm{~s}_{r}$ ；to the east coast of England Scotland，Is．6d．to 4s．6d．；to the coal ports，it to 3s．9d．Timber，per load of fir or oak of cubic feet：to Londen，16s， $6 d$ ，to $19 \mathrm{~s}, 6 \mathrm{~d}$ ；

Ionlon and Irelar
soland，13s，to 2
13： $6 d$ ．
The freights were money per last（I－9） lpper Vistula and fon the Lower Vis vit op tho river Prusiaa centner to istula，aad from 15

Duties on Pilotage ane
Dutles


Money，－Accounts us get in guldens，guilder The rixdollar $=3$ floring $x_{3}=1,6^{2} 0 \mathrm{pf}$ ennings． seling，and the rixclolla 1 dew system was，ho ants of the Prussian do be decrees of September 4820.

The Cologne mark（c ming is the weight at mavan miat in weighin
me inencess of the coins me tinencess of the coins whed for this purpose nulsare now kept in the dullars（R．），silver grosc $=30 \mathrm{sil} . \mathrm{gr}=12 \mathrm{pf}$ ，
The only silver moneys $n$
f dollar pieees；but $\mathbf{3 m}$
thion，of former coinages． themark is coined into 1 ． the mark is coined into 1 wh about 2s． 11 d d．sterli alraystrictly coincide w the gold coins are Fre te and half pieces．The 260 grains of fine gy
dors．The Fred．d＇or il gr．to 5 dol． 22 sil． 8
Prigit
Measures.
loth
lothe
ounce
pound
pounds
$=1$
(3) pounds $=1$ mar

London and Ireland, 17 s , to 22 s ; east const and s.othand, 13s. to 24s.; to the conl ports, 11s. to j3* 6d.
I3s. 0 d .
The freights wero from 30s, to 66s. in English money per last ( $1 \cdot 9684$ tens aroirdupois) from the ipper Vistula and its tributaries, and 21 s , to 51 s . fom the lower Vistula. The freight foe goods unt up the river varied from 12 s . to 18 s . per Prusinn centner to places situated on the Lower listula, and from 15 se to 30 s . to Warsaw.
Duties on Pilotage and Police Pussports at Dantzic.

| Duties | Prussian and privileged Forcikn Flas: | Forelgn Flays not privilesed |
| :---: | :---: | :---: |
| Pilorage Dutles. | th. sli. pr. | th. sti. pif. |
| Sracl drawing b a water and under | $\underline{1} 150$ |  |
| 7 8 | $\begin{array}{lll}\text { y } & 15 & 0 \\ 3 & 0 & 0\end{array}$ | $\begin{array}{lll}3 & 0 & 0 \\ 3 & 13 & 0\end{array}$ |
| $\begin{array}{lll}8 \\ 9 & \# & \#\end{array}$ | $\begin{array}{llll}3 & 0 & 0 \\ 3 & 15 & 0\end{array}$ | $\begin{array}{lll}3 & 1: 3 \\ 4 & 0\end{array}$ |
| $10 \quad \cdots \quad "$ | 400 | 300 |
| Pollee Passport Taxes. Fisel of 吝 lasts, st tons and under |  |  |
|  | ${ }^{1} 176$ | $\times 80$ |
| 1000 " | 1250 | $\begin{array}{llll}2 & 5 & 0 \\ 3 & 5 & \end{array}$ |
| abore fino lasta". " | $\begin{array}{lll}2 & 7 & 6 \\ 3 & 5 & 0\end{array}$ | $\begin{array}{lcc}3 & 5 & 0 \\ 4 & 15 & 0\end{array}$ |

Money.-Accounts used formerly to be wholly gat in guldens, guilders, or florius of 30 groschen. The rixdullar $=3$ llorins $=90$ grosehen $=270$ sehilFirssil, 620 pfennings. The florin or guilder $=9 d$.
adeing, and the rixilollar $=2 s .3 d$.
I new system was, however, introduced into all pats of the Prussian dominions, conformably to tie decrees of September 30, 1821, and of June Hi83.
The Cologne mark (containing 3,609 Eng. aing is the weight at present used in the haian mint in weighing the precions metals. De finencss of the coins is not determined, as
priously, by carats or loths, but the murk is
Gide for this purpose into 288 grains. Ac-
mali are now kept in the public offices in thalers dulars (R.), silver groschen, and pfenuings; 1 $1 \mathrm{c}=00 \mathrm{sil}$. gr. $=12 \mathrm{pf}$.
The only silver moneya now coined are dollars
ad dollar pieces; but smaller coins are in cirdubio, of former coinages.
The Prussian silver coins have $\frac{1}{4}$ of alloy; and the mark is coined into 14 dollars, each should
wain 257.68 ling. grains pure silver, and be
whth about 2s. $11 \frac{1}{4} d$. sterling; but the assaya do xalraysstrictly coincide with the mint valuation.
The gold coins are Frederick d'ors, double, Fgle, and half pieces. The mark of 288 grains,
ring 260 grains of tine gold, is coined into 35
Whdors. The Fred. d'or is worth from 5 dol.
eil.gr. to 5 dol. 22 sil. gr., necording to the
ging.
mand.
Frights
Figights and Measures. - The commercial idta are-

39 loths $=1$ ounce.
16 ounces $=1$ pound.
$16\}$ pounds $=1$ linpound.

$x=1$ centper; 3 centuers $=1$ shippound ( 3.50 Jbs .); 100 lbs. of
 mayed lbs. of Hamlurg.
collo centals
$=1.9684 \mathrm{tm}$.


mian morgen $\quad=0.63$ of on Einglish acre.

be liquid measures are, for beer-
5 quarts
4 ankers
$=1$ anker.
a
4) ankers $=1$ ahm.


sue measure, which is less than beer measure,
hm $=393$ Eng. gallons. The pipe $=2$ ahms.

The last of corn $=5.9$ malters $=60$ scheffels $=2 \cdot 10$ viertels $=960$ metzen; and weighs $4,6 \times 0$ lbs Dantzie weight in rye. The scheffel $=5.54$ of a hectolitre $=1 \cdot 552$ Winchester bushel. ILence the last of 60 seheffels $=11$ quarters 3 bushels; the last of $56 \frac{1}{3}$ sehetfels $=10$ quarters 7 bushels.
The Dantzie foot $=11: 1$ Eng. inc: $\quad$ or 100 Dantzic feet $=\mathbf{0 . 4} \mathbf{1 6}$ ling. feet. The ell is 2 feet Dantzic measure. The Rhineland o: Prussian foot $=3138$ French metres, or 12.556 Eng. inches; hence 100 Prussimu $=102 \cdot 8$ ling. feet. The Prussian or Berlin ell has $25 \frac{1}{2}$ Prussian inches $=26.256$ Eng. ditto, 100 Berlin ells $=72 \cdot 93$ Eng. yards; and $137 \cdot 142$ Berlin ells $=100$ Eing. yarts. $14 \frac{3}{3}$ Prussian miles are equal to 15 geographical miles.
Oak plonks, deals, and pipe ataves are sold by the schock of 60 picees; wheat, rye de. are sold by the last of 56h scheffels. (Kelly's Cumbist; Nelkenbrecher, Munuel Universel.)
Corn 1 rade of Dantzic.-The reader will find under the head Coun Laws and Corn Trane a pretty full account of the Polish corn trade: but the importanco of the subject will excuse our giving a few additional details. Grain is almost wholly brought to Dantzic by water, in flat-bottomed boats suited to the navigation of the Vistula, lugg de. Mr. Consul (iibson estimated the experise of the conveyance of wheat and rye hither, including the duty at 'Thorn and the charges of turuintr on the river till put into the granary, as follows:-

From the upper provinces on the Bug, a distance of s. d. s. ${ }^{\text {qr }}$ d. from 760 to 5 保 milles. 9210710 From the provinces of (iracow, Sandomir, and Lublin, 6
 Fion Wlaclaweck and its nelghbour
mileo
From, From Cirandentz, a distance or nbout 70 miles, no duty
at Thorn, and when not turned on the river
N. B.-These are the orlinary charges ; but they are higher when there is any unusual demand for exportation.
The Bug has many windings, and its navigation, which is tedious and uncertain, can only be attempted in the spring, when the water is ligh. It is the same, though in a less degree, with some of the rivers that fall into the Vistula before it reaches Warsaw ; and towards Cracow the Vistula itself is frequently unuavigable, especially in dry seasons, except in spring, and after the midsummer rains, when the snow melts on the Carpathian mourtains. The navigation of the Polish rive, s in some seasons is more than usually bri.. The corn from the upper provinces dues not reach Dantzic till from 2 to 4 montha later than usual, and is burdened with a very heavy additional expense. In fact, the supplies of grain at Duntzic depend quito as much on the abundance of water in the rivers, or on their easy navigation in aummer, as on the goodness of the harvests.
'There are,' eays Mr. Jacob, 'two modes of conveying wheat to Dantzic by the Vistuln. That which growa near the lower parts of the river, comprehending Polish Russia, and part of the province of Plock, and of Masovia, in the kingdom of Poland, which is gencrally of an inferior quality, iv conveyed in covered boats, with shifting boards that protect the cargo from the rain, but not from pilfering. These vesoels are long, draw about 15 inches water, and oring about 150 quarters of wheat. They are not, however, so well calculated for the upper parts of the river. From Cracow, where the Vistula tirst becomes navigable, to below the junction of the llug with that atream, the wheat is mostly conveyed to Dantzie in open

## DANTZIC

fats. These are constructed on the banks, in seasons of leisure, on spots far from the ordinary reach of the water, but which, when the rains antumn, or the melted snow of the Carpathian mountans in ty ford
river, are easily floatcd.

- Barges of this dencripionath of $2 \frac{1}{\text { feet. They }}$ long, and 20 broad, with a depther, fastened with fre made of fir, rudely purners dovetailed and sewooden treennils, the corners dovethe only iron cured with slight iron elam.
employed in their cons length of the vessel, runs 'A large tree, the length of timbers are secured. along the bottom, to which the timbersare sens from This roughly cut keelson rises or it, which extend the floor, and hurdies are covered with mats made to the sides. They are core purpose of dunnage; of rye-straw, and serve the leaving below a space in which the recived. The bulk through the sides and bottomis ends if the barge by $n$ is kept from the sides and enthese ill-constructed similar plan. The water which thece is dipped and imperfectly caulked of the bulk of wheat.
ont at the end and description draw from 10 to 12
- Vessels of this description frequently get aground inches water, and yet ther. The cargoes usually in descending the river. quarters of wheat. consist of from 180 to 200 quarters mats, piled as 'The wheat is thrown on the maved, exposed ligh as the gunwale, and left nncovered, and to to nll the inclemencies of the weather, paring the passe the pilfering of the crew. by the force of the the barge is carried along by the force head the eam, oars being merely used at sand-banks, and stern to steer clear of anding, and to direct which are numerous and shinthe severnl bridges. the vessel in passing under by 6 or 7 men. A These vessels are conduct a man in it, who is emsmall boat precedes, with a man avoid the shifting ployed sounding, in order to ating is necessarily shoals. This mode of the progress of it, which very slow; and during the ponths, the rain, if lasts several weeks, and evencat to grow, and the any fall, soon causes tho wheare of a floating meavessel assumes the appearnnce of a noating forms a dow. The shooting of the rain from penctrating thick mat, and prevents the The main bulk is promore than an inch or two. tected by this kind of covering, and, whition. thrown aside, is found in tolerable condition. and
"The vessels are bro of their original cost. The usually sell for act them return on foot.
men When the cargo arrives at Dantzic or Elbing,
When the carg surface is thrown on the land, all but the grown surface to the sun, and frequently epread over, till any slight moisture it may have imbibed is dried. If a shower of rain ralls, as well as during the night, the heaps of wheat on steep shore are thrown together in the form of a and are roof of a house, that the rain may thus frequently covered with a linen cloth. It reached Dantzic a long time after the wheat in the warchouses.
before it is fit to be placed in the warehouses well
' The warehouses (spei They consist gencrally adapted for stor which are in the roof. The fioors of 7 storeys, 3 of which are in the of them is divided are about ? feet asunder. Each of the length, about by perpendicular partitions 4 feet high, by which diferent parce floors have listinct from each other. Thus the floors have 2 divisions, each of them capable of atoring from 150 to 200 quarters of wheat, and leaving sufficient 150 to space turning and acreening it. There are space for tur windows on each floor, which are always thrown open in dry weather to ventilate the corn. It is usually turned over 3 times a
week. The men who perform the operation throw week. Their shovels as high as they can, and thua the grains nre separated from each oth.
exposed to the drying infuenco warchouses now left
The whole of the corn warchousige of 1814) (for many were burnt 500,000 quarters of wheat, are capable of storing 50, be large enough to fill supposing the quartars to be fivisions of the floors with a cach of the two divisions late years it has come separate heap; but ns of poland in smaller parcels than formerly, down from loland in smaller palies, which must of and of more various qualt the present stock of necessity be kept distinct, the po occupy nearly about 280,000 quarters is found which are in repait, the whole of those warehoutuated for loading the or are advantage loaded by gnags of porters with ships. Ships are loaded complete $n$ eargo of imf great despatch, who will comps.' (First Report.) quarters in noout 3 or his excellent Report on the
Mr. Meek gives, in her Articles in the Northof Prices of Corn and owing details with respect to Dantzic:-
Wantzic :- moderate quality in ordinary set. - Wheat of moderate from Poland and delivend sons cannot be bro thar 35s. per quarter, and that at Dantzic at less excitement exists in the foriga only when no excime since a very large accumbe markets. Some time since course of several yeas lation of grain had in the course Dantzic; hut the taken place in the granaries atred during the las great export whic reduced the magazines, that the steck at the close of the present season (kst) was not expected to exceed from 80,000 to lou, 1 , was notexper The demand has been so great duiky the last 2 or 3 years, that every effort has bete made to collect in Poland all the sapplies tait were available, and to bring them Enland was. exportation. If the corn trade in ang a moleriu modified as to be constantly open at circumstanes duty, it is not likely, under from Dantzic rould that shipments of that of the last 2 ot 3 yem materially exceed that of puarters are consuma Not more than 5,000 quartalation of $60, \bar{m}$ annually in Dantzic by a population and irix persons, the people generally corn exported fin upon rye brea. comes from that part of Pilem Dantzic, one-third comes and the remaining tw which belongs to Prussia, territory. Apprechensixe thirds from thed here, as in other places, of wompetition - $f$ Odessa and America in the enem of any material reduction of the duty on cont England. The party making the ortiigsid who is a leading corn merchant of Odessa conis he had at that moment in 49 s . per quater, 4 London which ptoorchase there Odessa me wis similar quality at 48s. per quark others al apprehensions were expressed be having alrad Odessa, exports from which place and otber pati been largely made and recently, it was the Mediterrancan; and been shipped to kots several cargoes had been shipligent mertie On pressing one of the most intel.ges paid to 4 in Dantzic to state what pin Poland for a landed proprictor or farmate where it was grorib er of wheat on the estate that estate, he req at the nearest market to that by the Jers or that it was generally bought by the ey the estates from the by the former to the and afterwards sole, deliverable at Datzic in some instances the princes and greas in some sent their own commigsioners to Dh owners sent their own merchants; that a kop prince, who had 10,000 serfs, had acted upow
principlo very recentl starces it would not per quarter as the 1 per cre was a fnir aver at Dantzic, from whic for the expense of br growth to Dantzic, tenezally very consi which are broken up pared with their origi to 400 or 500 thaters, about 40), the expen perans navigating th $30: 4$ months, and ret there would be left 2 pail to the proprictor of which he had to be to pay the interest an mortigage which mis what would remain fo cabarked in the soi georally considered expenses; but that denerdeat upon the less from which the siderable quantity 0 Dantzic to Great Brit lected and sent dowi was made to the Con: emploved in this trad of ?3. per cwt. had $r$ nominal purpose of $\mathbf{r}$ that it was a heavy ta and that a representa necassary to obtain it
'Of the timber and mearly the whole co Prussian timber is $b$ that from the Russiar quality, is much redu ogood as formerly. So most of the good eniently got aflont 1 is said, but little of rithout going much ing places, which th he present timber du e obrions that whe lace either in the ussia will be much ofar as relates to th om Dantzic.'
Timber Trade, B rought down in its $n$ to $\log$, of sawn int bourers cannot be aves shipped here a chosed superior to The expenses of nared timber, inclu


## From the Rug -

Wieprez tabove
gi higher when eat, or when hands At Dantzic, as wel d several other $\mathbf{B}$ rackers) sre appo ine certain articl
to classify them
ves and timber of
pine wood, are sul
lity is branded
nity, Brack ; and
acks Brack. All
prineiple very recently ; that under such circumstauces it would not le right to take luss than $3 \overline{0}$ s. pet yuarter as the price at which whent, when there was a fair average crop, conld be dellvered at Dantzic, from which, deducting 12s. per quarter for the expense of bringing it from the nlace of roveth to Dantzic, including waste, which is generilly very considerable, cost of the boats, whish are liroken up and sold for a tritle comparel with their original cost (amounting, perhaps, to 490 or 500 thalers, wherens they are only soldi ior about 40), the expense of the peasants and other ferons navigating them for a voyare, sometimes of 3 or 4 months, and returning back to Poland on foot, there would be left 23s. per quarter as the price pail to the proprietor at the place of growth ; out of which he had to bear the expense of cultivation, to pay the interest and redeem the capital of nny mortigage which might exist, the residue beinf what would remain for rent and interest of capital rabarkel in the soil. If adelel that this was ceerally considered as an average estimate of the exyenises ; but that they would vary a little, deperdent upon the distance, either greater or less from which the com was brought. A coneiderable quantity of bones are exported from Dantzic to Great Ilritain, many of which are colleted and sent down from Cricow. Complaint was male to the Consul by the merchant chietly employed in this trade, that a heavy transit duty of 2s. per cwt. had recently been levied for the nominal purpose of repaving the turnpike road, that it was a heavy tax in proportion to the value, snd that a representation from England was alon. necessary to ebtain its repcal.'
'Of the timber and staves shippel at Dantzic, nearly the whole comes from Russian Poland. Prusiman timber is becoming scarce; and even that from the Russian territory, that is of gool puality, is much reduced, and has of late not been o good as formerly. This is owing, principally; on most of the good timber that could be concniently got aflont having been felled. There is, tis said, but little of good quality now to be had ithout going much farther back from the shiping places, which the discouragement given by he present timber duties prevents. It will hence eobrious that wienever any alteration takes lace either in the cern trade or timber dutics, bussia will be much more bencfited than Prussia, poras relates to the export of corn anil timber fom Dantzic.'
Timber Trade, Brack.-Fir timber is usually rought down in its natural state, and is squared to $\log$, or sawn into planks, in winter, when the bourers cannot be otherwise employed. The ares slipped here are carcfully assorted, and are ckoned superior to those of America.
The expenses of the water conveyance of nared timber, including duty at Thorn, are-
ing higher when the demond is unnsually cal, or when hands are scarce.
At Dantzic, as well as at Petersnung, Riga, d several other Baltic ports, sworn inspectors ccecers) are appointed by authority to exine certain articles intended for exportation, In to classify them accoraing to their qualities. res and timber of all sorts, with the exception pine Food, are subjected to tho brack. Prime lity is branded Krohn or Crown; second lity, Brack; and the third or Iowest quality, pchs Brack, All unmerchantable articles are
rejectel by the brackers, and aro not allowed to be exported.
The gange fer crown pipe staves, which tho bracker has nlways in his hand, is 43 inches broad, 13 thick, and 64 inches in length, which they must be at least; but they are expected to be larper in every respect.
Prpe staves are from 64 to 68 inches long ; 6, 5 , and $4 \frac{12}{2}$ at lenst, broad; and from $1 \frac{1}{2}$ to 3 inches thlck.

Brandy staves are at lenst 5.1 to 58 inehes loug, as thick und broat as pipe staves.
Hogshend staves nre 42 to 45 inches long, as thick and broad as pipe staves, all Euglish mensure.
The quality is ascertained by marks, to distinguish each sort, as follows:-

```
Crown pipe staves, atamped af the end, K.
    orack, in the midtile, 1.
llogshead crawn, at the end, O K.
    brack, in the mldic.
Ifrandy hogshead crown, at the end, II K.
                                    bruck, in the midd!e,
```

Oak planks are assortel in the same mauner. Crown plank is marked in the midelle, C. Brack, in the end and middle, B. Bracks brack, B B. To distinguish $1 \frac{1}{2}$ from 2 and $2 \frac{1}{2}$ from 3 inches, the $1 \frac{1}{2}$ are marked with I, and $2 \frac{1}{2}-4$.
At the end, in rough strukes, with coloured paint, brack is yellow I; bracks brack, white II ; Crown, red 111 .

Ashes are subjected to the brack. The ccleined are opened and the crust taken off; others are not examined unless there be any suspicion of their quality, or the stares of the logshead be supposed to be too thick. Every cask of potashes is opened.

## Suipilina Cualges and Duties.

Charges upon the Shipment of 1,000 Quarters of
Corn at Dantzic in English Money.


The above are the clarges if bought and shipped from the granary ; but if bought and warehonsed previously to shipping, the following additional charges are incurred:-

Metage from Craft.
Porterage up, meters' fees, and town dues are the same.

Additional.

Charges on the shipment of 一

N.B.-The Prussian pound is about $3 \frac{1}{3}$ per sent. heavier than the English pound. The expenses
of sending goods down aro taken at about an averare rate; but if the whole or the greater part of the enrgo were londed in the Fairwater or ronds, the expenses would be somewhint more.
Port Chargex.-The charges on a thip of 200 lasts, or about 300 tons burden, are-


The clinges on the ships of all countries having reciprocity treaties with l'russia (vhieh is gencrally the case) are the same, only Dantzic captalns receive no allowance for shore expenses. River or stream money is only paid hy vessels that bring roods to town, or load in the Motlan (above the bloekhonse): if a ship remain in the Fulrwater or Vistula, the river money is levied on the craft carrying the groods, aud fills on the latter.
Mr. Consul White, in his Report for 1860, gives reason to hope that the Dantzic harbour dues will be forthwith reduced.
Dantzic is a fuvourable place for ships careening and repaiting, and for obtaining supplies of all sorts of sea stores at a reasonable rate.

There belonged to the port, Jonuary 1 , 18tiz, 13 stenmers and 130 sailing vessels, measuring in nll 38,357 Prussinn lasts. Most of them are emphoyed in foreign trale. The port has no thshery; and no consting trade worth mentioning. 'lise wages of l)antzic seamen vary from $30 x$, to 32 . per man per month.

Custom Ihwse Rrgulations. - The shipmaster must, within 2.4 hours after arrival in port, make a declaration of the cargo on bonrd, and of the ship's provisions, and he incars a severe penalty if the declnration do nut prove correct. The ship's lintehes (if romla are on bonrl) are seated on arrival, and an additional declaration is aceepted before they nre unsenled; but no tater declaration sup)blementary or explanatory of the lirst, and no subinitting the groods to investigation ly the oflieers. is received or allowed. If the shipmaster be umable to make a complete declaration on arrival, a Custom llouse officer is put on board, who remains until the ship is unlonded. at an expense to her of about "s. per day and night. The cargo can ouly be diseharged in presence of a customs officer.

The shipmanter, and not the receiver of the goods, is mado responsible if the contents of the packnges do not correspond with his declaration; and he is onv exonerated from this by solemaly averring, on waking the declaration, that the contents are unknown to him. An evicient mistake or oversight is treated as rigorously as an intentional fraud.
On commencing to load, the shipmaster receives a blank londing list, in which he must daily note the articles he takes on board, or he is liable to sine; but this regulation is not very rigidly enfurced. On clearing out, this list is compared with the goods entered by the vessel, when the sea pass$p^{\circ} \mathrm{t}$ is given.
: jallast can be discharged only at stated places, on pain of the shipmaster being fined.

It is material, however, to observe that the whole Custom llouse business of the shipmaster is conducted by Custom House brokers, so that he is never at a loss, being informed by the one he
solects what he has to do. Alterations are frequently made in the Custom Ilouse regulations.
The shipmaster receives, on arrival, from the pilot commodore, a copy of the harbour regulationa, in his own language, with instructions how to act as to ballnst.

Warehousing.-Such goods as pny a higher duty than $\&$ a dollar per centner (alout $1 \mathrm{~s}, \mathrm{~b} / \mathrm{d}$. for about 113 low . Kurgisha) may be placed in the king's stores (nowhere else), find renuain there for 2 years without payment of duty. No allow. ance is made for waste or clamage in these stores, Other gools, not capable of being changed, may be placed in private stores, under the king's lock; but not elsewhere, without parmlsslon. Xo reat is charged for goods in the king's stores during the first 3 months; afterwards nbout $l \mathbf{h} d$. munthly rent is charged for the ilist, and about 3 A . nonthis for the second year, per centner of nbout 113 lis, linglish.
In private warehouses, the montlily rent for $1 /$ guarters of wheat or other grain is from about $3 \mathrm{~h} / \mathrm{h}$ to 7 d. , or more, necording as warehonse rom is nbundant or otherwise. Other gends do not usually pay by the piece, but part of a store is hired for them, and the rent generally eomes somewhat higher in proportion.
The cost of rent aud turning grnin is from 1 s . 2 d . to 1s. 6id. monthly, for 10 quarters, according to the senson of tho year and other circumstances; but more when granary room is scarce, and wages high.

Banking Wistablishments.-There is none such here, excepting a branch of the Royal or Govemment Bank of lBerlin. This was founded patty in the view of receiving deposits of money under litigation in the courts of the province; monery the property of minors and charitnble institutions the former until disposable or plaeed on zool security; and moneys belonging to iudlviduals not merchants, and at times nlao those of the latter Interest is pald on such deposits as follews : viz-
 anl other upposile.

The principal is de sandable at pleasure, unles otherwise stipulated. The bank makes adranas on grain and some otlier kinds of grods at jpe cent. interest; discounts bills with 3 signature not having more than 2 months to mun, at 6 pa cent., nd sonctimes, when money is pleatiful, at lower rate. It also makes advances at 4 per ceat on deposits of Frederick d'ors and certain foreign moneys; and it ocensionally buys bills for accont of, and sells bills on, the Berlin liank. It does at issue notes. The amount of its capital is an fixed; but Government guarantees its transactions It is relieved from the payment of postane of money, and it is not required to use the samp fixed by law on bills for its deposit tramsactions
 individuals must use stamps for such bills of 5 gr. for every 400 r . of not longer date than 3 noonta and for every 200 r . of longer date.

On negotinble bills, however, the bank mas use the stamps fixed by law, say of 5 s . gr. (a) m 53 d .) fer sums of 50 dols. to 400 dols., sud at dex snme rate for every ndditional sum betweal ${ }^{[/ W}$ dols. and 400 dols.
Bills from and on foreign places, aegotiated Dantzic, are not subject to the stamp duty.

The affairs of the bank are not made padia Being a Government concern, there are no dif dends. It is not supposed to be very profitaiter although enjoying the advantages of exemphiv from postage of moneys, and paying less stant
duty: It is t age of the buspowis. sterling) per lisel fruth the buyer, a The rates of bre

 itemh on moneys pla, 1 per mille from the lencle
 fopuhly funds, from ber loram aually frometir com to be paid by the ecili lus d'sf ichetle's.
Burghers, being $n$ withont direct autho sale of trouls to, 1 '0 gools bought, andel 1 acourding to circums Bunkruptcies are bere, Their voost ane speculations in oblain a tischarge e. whant which they eacd individual credi ant time, it he e pruperty; although ti ry judicial authorit of settlements in c creditor tesirous of s betce ferf iosolvents affairs being brough obseryed that eredito foree, must hy law he aroid the taridiness rond the tardiness bite generally agree all as much in eom at. It is, however, antion, as cach er cros; and those w more, at least private lomposition uffered If a prirate compos faits bevent is rern at, if a smandint int cept the dividend w on are satistied, the oducing as becom her be made melt tin ar be made, that howerem resorted
duty, It in true, however, that the direet alvanuntr, of the lower stan!, duty is enjoyed by the berrower.
Crudit, Brokerage \&r.-Very o wookls are consigned from abronid for sale, for sueh consiguments ardy turn to foal aecomit. 1 mports are seldom suli for cash, but generally at 1,2 , and 3 monthas cherlit, or lomper. The discoment allowed tor cash praviutu, when sold on time, is usually 6 per coiln but lt varles according as money ls plentiful ar utherwise.
Any persun being a burgher of the town (which any we of good character mav become) may triwact businees as a conmission merehant or facur; but brokers must be chosen by the efders of the Corporation of Derehants, approved by the remey of the province, and sworn in by the magistracy of tho town.

The nstal rates of commission are-


The corn factor receives r. $[.7$ (about $4 \mathrm{~s}, 9 \mathrm{~d}$. Nething) per lant (of 60 scheffels) of all grain thum the layer, and 1 per cent. from the seller.
The rates of brokernge are-



Ipatent, on monery placed at juterest, fur a period not kss tha - 6
1 per mitle from that lender.
iper mile usualy fur short discounts, from loth parites.
If wernt. on the actual or the coniputed amount of tran wetions in podid fuls, from hoth harties.
 mon, tote pald by the enijer, the buyer refunding to him 5 s . kr . per tust 6 ol shetlets.

Purghers, being merchants, may act as brokers, nithout direct authority, in tho purchase from, aud sale of goods to, l'oles, receiving 1 per cent. on pools bought, and 1 to 2 per cent. un goods sold, arcurding to circomstances.
Bunhruptcies are not of frequent occurrence bere. Their most prevalent sourees at prosent are speculations in rrain. Bankrupts cannot obtain a discharge except by private composjtion, withont which they always remain responsible to each individual creditor, who enn attach them at any time, if he can show that they possess property, alhongly their affinirs have bean settled by julticial nuthority. This, and tho tedionsuess d settlements in court. make both debtor and creditor desirous of settling by composition; and benee fur insulvents are made bankrupt by their affairs being brought into court. It is to be observed that creditors, having claims by bills in foree, must by law he paid to the full, before those mith only book claims receive anything ; but to aroid the tarliness of the court, bill ereditors bere generilly agree to let book ereditors receive balf as much in composition as they themselves . It is, howevar, dithicult to arrange a comwition, as each crelitor can make his own cems: and those who hold out generally get more, at least privately, than the ostensible rate fenaposition offered by the debtor.
lit a private compozition cannot be effected, and tre insolvent is regularly made bankript by his thairs leciry put into court, the law preseribes cept the dividend with which the greater porware satistied, the latter can require the former - conseat, or become responsible for the estate Foblucing as auch tinally ; but so many objections ary be made, that this compulsive mensure is ery sellom resurted to, A private composition however, generally preferred by all parties,
more particularly by the debtor, as being the only meman by which he can become entlrely free, and get a general diseharge.

Ilonest lunkrupts, whose aflairs are brought into court, may le freed from personal arrest by faithfully deliverinjr up ail their property. Dishonest ones, upon convection, are punished hy being sent to the llonse of Correction; but they often escapes punishment, from the two rreat laxity in eaforcing the laws in cerminal matters.
'The creditors ot' a lankrupt estate brought int" conrt rank ander 8 different elasses, enth prior chass enjoying a precedency of chaim over those followiths, to the fill manint, 'The a most comsiderable claseses, in gencral, aro the bith and 7 th, the former leing that of the bill, the latter that of the book, erediturs.

Tures \&oc-The duties are in general payable on the gross weight; a lixed allowance betmar made, in many cases, acoordint to the packares: in others there is no ablonance. The tatill specities the particular regnlations on this peint. The tare on croods in single sacks is 4 lbs. per rentuer (about 113 los. Vinglish), it being left to the opthon ot the receiver th have the wett welght aserertained.
lis trade there are fixed rates of tare only on the following goods; viz.-
Potashen, 6 per cront, when sold ly a merchant.


## "

Firs"and raisins
Figs and r
lilive oil
16
15
18
$n$
*scril sil taterly the tare is accertained

Orailue mat lenton peet, $f$ per cent., of tare ascertained
Itice frimis England no llamburg, the lare An on the casks, tess 2 hos, per cask on that froms Einglawi, anut in proportions th the tare, tat the layers are hn kengeral not satistied with this Tallow, 1 liver cent., or nett tare.
Tea, Dunshis bolvea, 78 lise. if hy tinea anil mats.

Most rrequently the lare is ascertaloed.
Haw sugar, if to 16 per cent. accoriling to the size of the che Candleed supar, tare liy theoder adding in that proportion lis the

Syrup, in whole casks, lifyer cenit.
On the sala of limports, 1 per cent. on the net weight (called good weisht) is alloweti in favour of the huyet.
Insurance.-There are no insurance companies nor private insurers here; but there are agents of insurance companies in Ilankurb for ships, anul of those of London and other places for houses and lives.

Wages of common Labonrers in Dantaie vary from $9 d$, to $11 d$. a day, nud those of carpenters, masons \&e. from 1 s . Gil. to 'ss. Wrages in all the lavere Irussian towns are higher than in the small towns of the country, from the price of dour, breal, and butchers' meat being higher in them. This is oceasioned partly by the latter being subject to octrois or excise diluties on entering the great towns, from which the country districts and smiller towns are exemptel. 'The ling receives: of these duties, and the towns the other $\frac{1}{3}$. This burden is a great obstacle to the free intercourse of the country.
(We have derived these details from different sources, but princir olly from Consulur Returns, and information supplied by the Prussian Government.)
DA'TES (Ger. datteln; Pr. dattes ; Ital, datteri; Span. datiles). The fruit of the palm tree ( 1 'henix ductyl!fera, limn.). This tree is abundant in Egypt, Barbary, Arabia, Persia, and the adjacent countries, particularly on the eontines of the desert, and wherever there is suflicient moisture. It is a tall, mujestic tree; and repeated references are made to it in the sacred writings (Ecelus. xiv. 14), and
in the Koran. Mohammed, in one of his sayings, beautifully compares the upright and generous man to the paim tree: 'He stands erect betofe his Lorl; in his every uetion he follows the impulso received from ahove, and hls whote lite is devoted to the welfare of his fellow-ereatures.' liut the veneration in which the pnim tree is hele In the East is to be ascribed more to its utility than to its beanty. Jntes form the prineipal part of the subsintence of the inhublitants of many parts of Arabia and Harbary, and they are held in the highest eatimation wherever they are met with. - They are,' says lhurekhurdt, 'by far the most essential articlo of food for the lower classes of Medina; their larvest is expected with as much anxlety, and atteuded with as much genernl rejoieing, as the viutage in the south of Europe; and if the crop fails, which often happeas, as those trees are seldom known to produce abundantly for 3 or 4 successive years, or is enten up by the locusts, miversal flowm overspreads the population, as if a famine were appreliended.' (Travels iu Arabia, vol. ii. p. 214.)
There is an cubless variety of dates. Genernlly, however, they may be described as being somewhat in the shape of ah aeom, but usually larger, consisting of a thick, tleshy subrtance, including and freely separating from an oblong stone or kernel, having a furrow on the one side. Their taste is agreeally sweet, nccompatied with a slight astringency. Tho new fruit is called by the Arabs ruteb. When the dates are allowed to remain on the tree till they are quite ripe, and have become soft and of a high red colour, they are formed into a hard solid paste or cako called adj ue. This is formed by pressing the ripe dates fores'ly into large baskets, each containing about 2 cwr . 'In this state,' says Jurckhardt, 'the Beduuins export the ndjone: in the market it is cut out of the basket, and sold by the pound. It forms part of the daly food of all classes of people; in travelling it is dissolved in water, nud thus affords a sweet and refreshing drink. During the monsoon, the ships from the l'ersian Gulf bring adjoue from Ibussorals to Djilda for sale in small baskets weighing about 10 lbs , each: this kind is preferred to every other. Ships bound from Arabia for India take with them a considerable quantity of adjoue, which is readily disposed of amongst the Mohammedans of Lindostan.' (Truvels in Arabia, vol. i. p. 57.)
The Arabians and Egyptinns use the leaves of the tree in the preparation of bags nod baskets; the boughs, the outer and inner bark of the trunk, and tho fleshy substance at the root of the leaves, whero they spring from the trunk, have all their respective uses; and besides this, tho kernels of the fruit, notwithstanding their harilness, are used as food for cattle; they are soaked for two days in water, when they become softened, and are given to camels, cows, and sheep, instead of barley : they are said to be much more nutritive than that grain. There are shops at Medina in which nothing else is sold but dite kernels; and the beggars are contimually employed in all the main streets in picking up those that are thrown away. (Burekhardt, vol. ii. p. 212.)

In 1866, 37,833 cwts. wero imported, the largest portion coming from Turkey. But the quality of these was inferior, they being worth only 16 s . $8 i{ }^{i}$. per cwt., while those exported from Gibraltar and Malta were worth 2l. 8s, or more. In stowage, the Bengal, Madras, and Bombay ton is 20 cwt. wet, 16 cwt. dry.

All the retinements of Aralian cookery are exhausted in the preparation of dates; and the Arabs say that a good housewife will daily supply ber
lord for a month with a dish of dates differently dressed.
Palm trees are raised by ahoots; and Dr. Slase mentions that they arrive at thelr vigour in aloust 30 years, and continue so 70 years afterwarts, bearing yearly 15 or 20 clusters of dates, each of them welghing 15 or 20 lbs. : nfter this periol they begin to decline. (Travels in the Leerant, p. II?, fto. el.)
The best dates imported into Great Britain are said to come from Tunia, but they are most commonly brought from Smyrna and Alexandria, They should be chosen large, softish, nut mueh wrinkled, of a reddish yellow colour on the outsile, with a whitish membrane betwixt the flesh and the stone. Those that are dry and hard are of little value.
D) EAD FRFIGITT, A technical term applied to certain kinds of heavy merchandise snipped as cnrgo. If more cargo might have been properly shipped on board a vessel than was actually put on board, the shipowner is entitled to a vedict for decul freight. (Nichol y. Eillis, July 2, 1851.)
DEALS or DEAL IBOARDS (Ger. dielen; Dutch, deelen; Jan. daeler; Swed. tiljor; Ft planches minces; Ital. tavole, pianc : Russ, dorsk; Pol. tarcice). A thin kind of fir planks, mued used in earpentry ; they are formed by sawing the trunk of a tree into longitudinal divisions, of greater or less thlekness, according to the $\mathrm{pr}-$ - ag they are intended to servo. They are imported from Dautzie, Petersburg, Narva, and many other ports in the Baltic, and from North Ameriea; but those from Christiania, the capital of Norway, ant the best, and bring the highest price. They ane distinguishable from those produced in the cosp tignous provinces of $\mathbf{N}$ ay : their superionty has been said to depen ${ }^{\text {* }}$ more perfectly sawed nipally on their being the grenter care witl ¢ really depends an other defective portions of the sap-woed and awny and on the quality of the timb $\Lambda$ lussian standard deal is 12 feet lone, 1 inches wide, and $1 \frac{1}{2}$ inch thick; 400 feet of 1 ind plimk make a load.
A Christiania standnrd deal is 11 fect loght inches wide, and $1 \frac{1}{4}$ inch thick.

There is another standaril of Nonway deals a Dram, 10 feet long, 9 juches wide, and $\frac{1}{2}$ ind thick. [Cumistiania.]
DBHBLNTURE. A term used at the Custom honse to signify the certificate subscribel by the customs officers, and given to the exporter of good on which in drawlack is allowed, hearing that the exporter has complied with the required remuls tions, and that he is entitled to such drawbadi
It is cnacted by the $16 \& 17$ Viet, c. 107 th the person entitled to any drawback on any goo duly exported, or his agent authorised by himh that purpose, shall make and subscribe a deleng tion upon the debenture that the goods mentivas therein have been actually exported, and hares been relanded, nud are not intended to be relanla in any part of the United Kingdom, and thatsa verson at the time of entry and shipping was continned to he entitled to the drawback them and the name of such person shall be statedint debenture, which shall then be delivered to person or his agent, and the receipt of such pen on the debenture, countersigned by the bolda such debenture, if the samo shall have been trat ferred in the mean time, shall be the discharge such irawback whe: paid. (Sec. 131.)
No debenture for any drawhack allored uf the exportation of any goods shall be paids the expiration of " years from the date of the ment of such goods. (Sec. 132.)

For these relating to Expontatie drawp of $4 x .6 d$, whe Sol; ; and of 5 For deliput DECLMAL ard Measun DELFT or porzellan; Dut d coarse specie
turel at Delft, turel at Delft, used in this con DEMURRAC an allowance me ship by the frel longer than the It is usually stip of lading that a nimuing or work neering or disc frichter may det cited time, or as 1 9 m much per diem ontract of affreigl so many days shal meving the cargo time, such limitatio ripuation on the nesel shall in no that if detaised ho This bolds even in ca cimel by any fiult iveritable. If, for oring to the crowded time than is allows age is due; and it demurange, that it arc
eren from the unla fen from the unlawf afiars, Demurrage aday occasioned neship, or the hostile ont; nor is it claim, casiosed by the ma the ressel. The clain as the ship is clea fough she shoul rims or tempestuous Weriul Law, vol. iij. pI DESARIUS. A Ror thuthaot to have beel iffered at various peric DEXER. A small 1 ere l2 to a sol.
DL.LIJOND (Ger. Du
mel. demant, diaman amante; Russ. almd amar; Hind, hira). en known from the re and in different parts ratra, Jsya, Austra! aiooally in North $A$ anduel, is Indian dia vilian in is generally selity in dodecahedr nity of the diamond light, its brilliancy non glass, as 2.487 t active power that Ne purposes of mbustible he art of of ornament, watt of glass cutting whe which will cut thin

For these and the other clauses in the Act for these debenturen, see Imontatios and Exportation.
d wamp duty is laid on debentures of 1s. when the irnwlinck to be recelved does not exceet 10l.; the irnaw. when it exceeds 10l, and does not exceed ef 2s. bad of Bs, whenever it exceenda 501 .
for debenture in Railways, see Railways.
DECIMAL SYSTEM, [Coins; Weighta and Measuafr.]
DELIF'I or DEL.F (Ger. fayence, unachtes porzellan; Ditch, delfis poreelyn; Fr. falence). porzarse species of 1 rcelain originally manufacanel st Delft, whence its name. It is now arely fured in this comntry.
JHMLURRAGE. In Commercial Navigation, galluwance made to the master or owners of a saip by the frelghter, for detaining hear in port bacer than the period agreel upon for hos sailing. lomp in wually stipulated in charterpartics and bills of laling that a certain number of days, called ruaning or working days, sball be allowed for reciviug or discharging the enrgo, and that the frivigher may detain the vessel for a further specijed time, or as long as he pleasos, on payment of sonuch per diem for such over-time. When the sontract of affreightment expressly stipulates that coumany days shall be allowed for discharging or meiring the eargo, and se many more for overtime, such limitation is interpseted as an express divulation on the part of the freighter, that the nesel shall in ne event be detained longer, and that if detsined he will be liable for demurrage. Thistolds even in eases where the delay is not ocenrimel by sny fault on the freighter's part, but is ineritable. If, for example, a ship be detained, oring to the crowded state of the port, for a longer time than is allowed by the contract, demurree is due; and it is no defence to an action for demurnge, that it arose from port regulations, or ren from the unlawfil acts of the Custom-house dfixis. Demurrage is not, however, claimable fo a delay occasioned by the hostile detention of the stip, or the hostile occupation of the intended port; nor is it claimable for any delay wilfully ocasioned by the master, or owners, or crew of the resel. The elaim for demurrage ceases as tona as the ship is cleared out and ready for saillas, though she should bo detained by adverso inds or tempestuous weather. (Chitty's Comwrial Lau, vol. jii. pp. 426-431.)
DESARIUS. A Roman eoin, estimated by Dr. Ifuthnot to have been worth 7at. ; but its value ifievel at various periods.
DEVIFR. A small French coin, of which there ere la to a sol.
DLASIOND (Ger, Duteh, Dan. and Fr. diamant ; mel. demnat, diamant; Itnl. Span. and Port. hanate ; Russ. almas; lol. itynmant; Lat. Luns; Hind. hirn). $\Lambda$ precious stone which has ea known from the remotest ages. It has been fad in different parts of Indin, and in Bornco, matra, Java, Australia, the Ural Mountnins, asionally in North America, but especially in mil. The Indian diamond, nccording to Mr. muel, is generally foumd in octuhedral, the rilian in dodecahedral crystals. The specitic rity of the diamond is about $3 \cdot 5$. The diaeluwes its britliancy to its enpability of refractlight, its power being, in comparison with mon glass, as $2 \cdot 487$ to $1 \cdot 525$. It was from this active power that Newton concluded that the and was combustiblo. Apart frem its value parposes of ornament, it has an important one he art of glass cutting, for it is the only subace which will cut this material. But to effect anpuse, the stoue must have an angle which
is naturally acute. The glazien' atonco as these are called, are worth, aceording to Mr. Emannel, 10t. the earat.

The dlamond mines of India have been nearly exhausted. Diamonds are found in suall quantities in Sumbhulpore, where the trade of dianond washlug is herelitary in certain families. But the lnstre of the Indian rliamond is higher than that of Irazal, and the old diamends are more valuable than those of late diseovery. Ilrazilian dlamonds come from varions localities in that comutry, and chiclly in allurial soil, but sonetimes in a conglomerate, founi in the tops of the highest monntains in the diamond-probucing dlstrict. The trade in the Iravilian dinmonds dates from about the middle of the eighteenth century. The juantity prodnced is vory large. Mr. Limanuel, thourh ho states that the yield is decreasing reckons the annual produce nt $2 \cdot 10,000$ carats, and assigns it a value of $1,000,000 l$. sterling.

The labour of searching for diamonds is described with great liveliness by the gentleman whose work has been referred to. On an average of 10,000 stones, there will not be one of cighteen carats found. The largest diamond ever found in the Brazils is the Star of the South, which, when zough, weighed 25.4 carats.
Tests of Diamonds. Cutting, fec.-To asces tain whether any specimen is a true diamond or not, a fine file may be used; and if the surface of the stone be the least abrnded or scratched by its action, it is not a diamond. The difference will also appear upon close examination without this instrument; the rays of light easily pass through other gems, but in tho diamond they are refracted to the surfice, which occasions its superior brilliancy.

On account of the extreme hardness of the diamond, the art of cutting and polishing it was for a long time unknown in Enrope; but in 1456 a young man of the name of Louis Berghen, a native of Bruges, is said to have constructed a polishing wheed for the purpose, which was fed with diamond powder instead of corundum, which the Chinese and Hindoos had been long accustomed to employ. Berghen was led to this discovery by observing the action produced by rubbing two rough diamonds together.
Diamonds are cut into various shapes. These enumerated by Mr. Emannel are the double cut brilliant, the single cut brillinnt, tho table diamond, the rose, and the brilliolette or briolet.

Commercial Value of Diamonds.- 'The value of a rough diamond is calculated at half its weight, as it is thonght likely to lose half in cutting, and the cost of cutting is reckoned at $15 s$ s the carat. The value depends on the colour, size, and form of the crystals, and, for stones under two carats in weight, ranges from 2l. 10s. to 51 . per carat Great caution is necessary in purehasing rough diamonds.
'The valuation of polished diamonds is taken in the trade from the tables made by Jeffries in 1750, which are based on the assumption that a dinmond increases in value in proportion to its weight, in the ratio of the square of its weight i.e. supposing the value of a one-carat stone be 81., one of two carats will be worth $2 \times 2 \times 8=32 l$., this calculation being contimed up to stones of 100 carats.' These tables, however, do not represent present values. The protuction $\mathrm{c}^{f}$ the gcm has diminished, and the number of wearers has increased, so that the price during the last twenty years has risen enormously on all stones below five carnts in weight. For obvious reasons, it is impossible to give any estimnte of stones above five carats.

When diamonds are of any decided colour, as blue, red, green, they often fetch enormous prices. Such stones e..ist. Mr. Hope had one of $44 \frac{1}{2}$ carats, of a bright sapphire bluc. In the iznssian trensury there is a brilliant red diamond, weighing 10 carats. There is a green diamond at Dresden, which once belonged to Augustus the Strong, king of Poland, wiich weighs $48 \frac{1}{2}$ carats. A green diamonl weighing tive grains, which, if white, would have been worth no more than 28 ., has been sold for 320 . These coloured diamonds are called faney stones. Mr. Emanuel has given three comparative tables of the price of diamonds, one of wheh is his own enleulation of the value to be at present assigned to perfectly white and pure brilliants, and which ranges from stones weighing $\frac{1}{2}$ a carat an. $\because$ orth 51 . 10s, to those of 5 carats, which he values at 3201 ; another table is that of Jeffrics, composed in 1750 , where the range is from 3 grains worth 6l., to 5 carats worth 200l.; while a third is that of a Venctian merilhat, who reckoned their values in the year 1606 . In this table a 3 -grain brilliant is valued at $15 l .3 s, 4 d$. , and one of 5 carats at $346 l .13 s .4$ d. It apoears that the last-named table is a record of actual sales. (See for further particulars Enamuel's Diamonds and Precious Stones.)

Diumonds may be landed without report, entry, or warrant. ( $3 \& 4 \mathrm{Wm}$. IV. c. 52 s. 2.)

The carnt grain used in weighing thamonds is different from the troy grain, 5 diamond grains being only equal to 4 troy grains.
Dhal'ER (tier. drell; Dutch, drel; Fr. Linge ouvre; Ital. tela tessuta a opere; Span. manteles alemaniscns; Russ, salfetotsschnoc). A sort of tine flowered linen, commonly used for table-cloths, mapkins de., originally manufactured at Ypres, whence its name; brought to the highest perfeetion in the manufactories in the north of Ireland, in Germany, and Scotland.
DICE (Ger. wiirfel; Dutch, tanrlingca; Fr. dés (a joner); lal. dadi; Span. dados; lliss. kosti). Cubical picees of bone or ivory, marked with dots on each of their sides from 1 to 6 , according to the number of the face.
The regulations as to the manufacture and sale of dice are the same as those with respect to Cands. Every pair of dice is to pay a duty of $2 t \mathrm{~s}$. All pieces of ivory, bone, or other matter usel in any game, having letters, figures, spots, or other marks denoting any chance, marked thereon, to bendjudred dice; and if more than 6 chances are signitied on any one piece, then such piece to be charged with the full duty of a pair ot dice. (9 Geo. IV. с. 18.)
In 1815 ouly f pair paid the duty.
DIMITY (ïr basin ; ltal. dobletto; Span. dimitej. A species of cross-harred stull entirely composed of cotton, similar in fabric to finstian. It was originally manufactured in Sieily, its name being of tireek origin.
DISCOUN'I. An nllowance paid on nccount of the immediate advance of a sum of money not due t'll some future periol. It is usually said to be of two kinds-viz. discount of bills, and discount of goods; but they are essentially the same.

When a bill of exchange is presented at a banker's for discoment, it is the practice to calculate the simple interest for the time the bill has to run, includiur the days of grace, which interest is called the discomen; and this being deducted from the amonnt of the bill, the balance is paid over to the presenter of the bill. This is the method followed by the Bank of Englant, the London and provincial bankers, and by commercial men in general. Dut it is, notwithstanding, inaecurate.

The true discount of any sum for any given time is sueh a sum as will in that time anount to the interest of the sum to be disconnted. Thus, if interest be five per cent., the proper tiscomnt to be received for the immeliate advance of loot due 12 months lience is not $5 l$., but $4 /$. $15 \mathrm{~s} .2 \frac{2 d}{2} d_{\text {; }}$; for this sum will, at the end of the year, amount to $5 l$, which is what the $100 l$. would have prom ducel. Those, therefore, who employ their monev in discounting, make somewhat more than the ordinary rate of interest upon it; for a persong discounting $100 \%$. due at the end of a year, advaners, supposing interest to be $5 \%$ per ceat, only 951 ; so that, as this 951 . produces 100f, at the period in question, the interest received has really been $5 l .5 \mathrm{~s} .3 d$. per cent.
The rule tor calculating disconnt on correat principles is as follows:-
As the amonnt of $100 l$. for the given rate and time 1s to the given sum or debt;
So is $100 l$. to the present worth, or So is the interest of 100l. for the given time To the disconnt of the given sum.
Mr. Smart has calculated, on this principle, table of the discount of $1 l$. for any number days, nt 2, $2 \frac{1}{2}, 3,3 \frac{1}{2} \&$ ec. to 10 per cent, to tecimal places. But the simple interest of th sum being the only thing looked for in practic such tables are hardly ever referred to.
Bills in the highest credit are discounted ont lowest terms; the discount increasing accorliz to the suspicions entertained of the puactuality solvency of the parties subscribing the bill During the continental war, the rate of intere or, which is the same thing, of discount, in comparatively high; for some time afterwat it was seldom above 4 , and often as low as 3 . even 22 pre cent.

During the ten years 18.j6-1865 the arer rate of discount was 4 per cent.

Discount on merchandise takes place rr after making a purehase of goous at a tixel to of credit, the buyer finds means to manh payment before the expiration of that to receiving from the seller a discount or alloma which is commonly a good deal above the cur rate of interest. The discount on goods raria course, according to the interest of m During the late war, the loans to Govenn cere so large, and the facility of investiag me was such, that the disceunt on goods was of high as 5 per cent. for 6 , and 10 per cent. months. Now, however, the tiscount on has fallen, with the fall in the rate of intere 7 or $7 \frac{1}{2}$ per cent. for 12 months; beug double the current interest arising from fir property, or the discount of good mereantile

Long credits and eliscoments upen gools for a lengthened period, been usual in lin This nrose from a varicty of canses, but prine: perhaps, from the magnitude of our exports United States, Russia, and other couutries there is a great demand for eapital; but in ever canses it originated, it las lattely carried to what seems to be an injurious [Cnmbly.] In France and Cermany, the facturers, in general bare of capital, are ob stipulate with the merehants for short cerdi
Iolland, the usate of the exporting mercha been to puy either in ready mense, or at a date ns to put discounting out of the ql the manufacturer setting at onee the lowe on his goosls.
DIVI DIVI. The commercial natue of of the Cassalpinia coriaria, a legaminous found in luw, marshy situations in the nor
of South Americ and Venezuela, a Iadies. It is use but chicfly for $t$ fom 2 to 3 inches nol when in perfe Itrotains a few sm pution is a resino awur, casily pulve weter skin and the and containa a lar imports in 1866 yanit 13l. 50s. per ton imported into Live lisi Diri is used $t$ prucple whieh it sringeat qualities as tis at present used smach, which i: scar munt ligh price of the in tanaing it acce ivirlts to the leath 4wance. (Private DHIDEND. The ne mie to creditors out of Whand other public fun reand other public fun WIDİA. A town of att ${ }^{2} 1 \mathrm{miley}$ from Mecc Min in lat. $21020^{\prime} N$., an wiry; the the streets are airy; the houses hig. most part. of madrep 4y iadifferent. Smply of tei quays; but large Win the roads, aboint 2 Ning by means of light dut a pilot. Djidela sho reercial importance. his ceatred the grenter Tten ladia, Esyyt, and A whas from 150,0001 capi sun brought from 150,000. to ana is the most from Mocha * the most consideral fyall most hazardous. tie Persian Gulf is safer t ofery considerable. $D_{j i}$ dintercourse with the in and Massouah, on the *at The imports from the futter (of which tobacco, lee of in (of which imme, tee of in Arabia), mats the Africans receive Ind 2 dates (which are and or (Siabia), iron \&c are uot ont trom Cosscir is whe iout the whole Hedjaz, Coffec is the y vepen Business is tra princip expedition transacted 8 to the port is The nu arnity of timber is estimate : ithose belonging to of it Bombayy or to it ar Sucz. For Muscat 4, before and forter a con the fa Hrimy come from the fea the town is thronged all W of mercuntile

## DIVIDEND

1 time
of South America, principally in New Granada and Venczuela, and in some parts of the West Indies. It is used both for dyeing and tanuing hut chicfly for the latter purpose , The taming, from 2 to 3 inches in length and when in perfection is of a ${ }^{3}$ inch in breadth It matuins a few small is of a rich brown colour. pation is a resinous matter but the ooly valuable abur, easily pulverised, outer skin and the husk that hes betwixt the and contains a large quantity of tases the seed, imports in 1866 amountel to of tannin. The that 132.5 s . per ton bimported into Liverpool
Divi Divi is used by dye
pinciple which it contains, not for the colonring stingeat qualities as a mordont for its strong in is at present used to some exter this purpose smach, which i; scarce and dear and hatend of math ligh price of the article and hence the In tamaing it accelerates
imarts to the leather a clean proeess, and marts to the leather a clean and healthy quarance. (Private information.) DWVIDEND. The name given to the payment the aunual interest parablate of a bankrupt: dand other public funds; to the upon the national ruilwars, and other joint; to the divisible profits milars, and other joint-stoek nudertakings. MIDDA. A town of Arabia, on the Red Se act $\equiv 1$ miles from Mecea, of which it is the sea, an in lat. $21^{\circ} 29^{\prime} N$., long. $39^{\circ} 14^{\prime} \mathrm{E}$. It is dhuilt; the streets are mupaved, but spacious wiry; the houses high, and construetel, for most part, of madrepores and other marine dit The supply of water is scanty, and its te quays; but large vessels approach close tut in the roads, about 2 vessels are obliged to tuding by means about 2 miles off, loading and mads is difficult of lighters. The entranee to wot a pilot. Djidda is a plat be attempted sercial inportance. It is the eonsiderable Wis centred the greater part of entrepôt in itn India, Egypt, and Arabia the commerce rannts possess large capitals-some of of its wh as from 150,000\% to $200,000 \mathrm{l}$. The trude wee brought from Mocha and other ports in ${ }^{*}$ is is the most considerable, but it is said also the most hazardous, The returns are gally made in cash. The trade with Indin irery considerable. Djidd the coffee trade, of intercourse with thidda has also a good in and Massouah with the ports of Cosseir in and Massoual, on the opposite coast of the The imports from the last two prineipally of slaves, gold, tobacco, dhourra or barley, utter (of which immense quantities are be of in Arabia), mats de.; in return for the Africans receive Indian goods suitable dates (which are ornaments for their Sabia), iron \&e not produced in any thom Cosseir is whe principal artiele but the whseir is wheat; and not only is almost wole Heljaz, or Holy Land of Coffce is the principal article Egypt Business is transseted article sent in expedition. The numat Djidda with to the port is cstime number of vessels anity of timber, none of them are built at those belonging to it being are built at 1t Bombay or Muscat, or at Mocha, or Suez, For a considerable period ; before and after the feast of Ramadhan, arims come from all quarters to visit ad of mecautile with strangers, and a meralutile business is transacted.

## DOCKS

Djidda is at present, and has been for a number of Egypt. The mongovernment of the Pacha of latter country [ used in Djidda, the commerco are now generally much improved and exterdod of which has been the comparative socurity ended in consequence of by the pacha. (We bave good order enforeed from the different we have gleaned these details arly from his Truvels
DOCKS. Artificial basing for vol. i. Pp. 1-100.) ships. The term has beensuppr the reception of derived from the Greek supposed by some to be it is obviously no Greck סéxomac, to receive; but originally perluaps other than the Tentonic dock, enclose, or protes derived from dekken, to cover, i) or protect.
are generally cono sorts, wet and dry. Wet locks water. Shijs are admittal with gates to retain the the gates being shut thed at ligh water; and atloat. A dry dock is intended kept constantly repairing, or examination of shed for the building, repaired or examination of ships. The ships to be water; and the water are admitted into it at high ceding tide, or is pamped eur ebbs out with the re-

Utility of Docks. has done muel to facilitane construction of wet docks tion. A large vessel, parte and promote naviganot be allowed to csel, particularly if loaded, conld the beach, without suse to the gronnd, or to lie on and perliaps being destroying considerable injury class of vessels a destroyed: and evea the smaller wise hurt, if they apt to be strained, and otherbe very soft. Henee, when dry, unlass the ground londed or nuloaded, when large vessels have to be where the water close to there are no docks, and sulficiently deep, the work canore or quay is not during a particidar period can only be carried on necessary, in order to kepp each tide; it being she should leave the keep the yessel afloat, that Atteupts lave sometimes with the ebbing tide. this inconvenience by rumes been made to obviate such a distance into tho sing jetties or piers to always be a sufficient the sea that there might hends; but this can only be def water at their ations, and it reqnires that done in peculiar situshould be frequently changel the ship's position too, in upossible properly to it. It is in most cases, ships loading or mulo to protect the cargoes of beach, from depredation. at quays, or on tho struction of wet ducks. Previotisly to the conperty pillaged from ships on the Thames, the pro-a-year, though this is probably nined at 500,0002 .
rach exaggerated.

1. Enst and West Indin Thames
2. London Docks. India Docks.

St Lr Docks.
4. St. Katharine Docks.
4. Victoria Docks.
5. Surrey Cummereial Ducks.
6. Milluall Dock.

## London Port Dues. Charges on Aecount of Lights, Pilotage

 Shipping \&c. of London. in the Thumes.
## II. Sourua

III. Liverpool and Bocks, Sinitping dec.

Shipping \&e. Birikeneid Docks
IV. Brestue doc.
V. Helal Docks Sifiping \&e.
VI. Gbeat Gocks, Shipping \&c.
VII. Newcastle Docks docks do
ViII. TYne, Noleti Socks do.
IX. Cambiff Docks \&elids Docks \&e.
X. Glasgow Docks \&c.
Xi. Dundeen Docks, Sumping \&e.
XII. Leith Docks, Supiringe \&c.

XIII, Comk Docks. SHipling de.
he warchouses for imported They are well quays of the Import Dock., being calculate quays ond of great extent, bengar, exclusi

1. Docks on the Thames. obvious It is singular :hat notwithatand trade of the metility of wet docks, and the estsblishment of this sort tropolis, there was no e Thames till nearly a cenon the north side of the then constructed at tury after a wet dock had been cock appears to tury arter The Commercial Dock (Post.) The Liverpoon. opened ao early as the crowded state of have been ope arising from the crots of merchantinconvenience the periods when fleets ine insufficient the river at the porsed to arrive, the quays and men were accustomed by the legal quder which accommodation afres, the necessity und in the river suffere:ce wharves, many ships were placed insecurity and loss of prointo lighters, anding, had been long felful was the perty thence arievances: but so po by the private intolerable grievances. mange, made by the then exopposition to and others interested in not till 1793 wharfingers and things, that it was not wet docks, isting order of projected for making the port of that a plan like an adequate scaled before the Act London; and 6 years more elapsed India Docks was for the construction of the $W$ esth the passed.
2. West India Docks, now conjoined Docks were
3. West Indock.-The West India Docks extensive,

East India andinue to be the monents formed the first, and conchousing establishmention comof the great wondon. Their they were partiin the port of Loadry 1800, and they were across menced in February 1802. They atretch across ally opened in August 18 . the isthmus joinin Thames. They orisk, each comdlesex side of the rort and Export Dock, eas in of 5 sisted of an Import and of lock 3 , with a basin wall, municating, by means the end next Blackwall, municacres in extent at the enan 2 acres at the end or 6 acres in exther of more than 2 acith ano communiand with another both of these basins works were next with the Thames. To Dock, formerly the cated, in 1829, the Sonth Dock, to the Export added, Canal, which runs parallel to to facilitate City Canal, whal was intended to the circuitDock. This cy enabling ships to avoid It was, hownavigation by enabe Isle of Dogs. ous course rotle used for that purpose, the greater ever, but little used the wood trade, for 19 acres has appropriated to the which a pond of 19 acres has necommodation of which a por the reception of been formed on The Export Dock, or is about 870 bonded timber. priated for ships by 135 in width; so thrt Dock, or yards in length by the North or Import discharge, is near 25 acres: the North entering to discharge, that appropriated for ships enterng Export Dock, and is of the same length as the expains nearly 30 166 yards wide; sock, which is approprated acres. The son and export, vessels, is 1 each end; both to with an entrance to the into the Blackwall long, with ocks, as well as that linto enough to adBasin, heing 45 fec: wide, arden. At the highest mit ships of 1,200 tons burde in the docks is 24 tides, the depth of will contain, with ease, 600 feet ; and the whole wil 250 to 500 tons. The separation vessels of fromard-bound ahips, whe plunder, and of the importance for preventing revenue and atmost additional security to the revenue adopted in giving adant, was, for the first time, adoped Export the merchablishment. The Import ang divided by this establishment to each other, being divided are paralle to Docks range of warehouses, principally approp spirituous the reception of rum, braller warehouses and sheds liguors. There are smaller and South Docks, for lipurs. quass of the Export and Sout exportation.
liquors.
on the quays of the Export and for expo
the reception of goods sent down






Entranot in bin Titula
$491$

been in a great degree obviated by the opening of the rallways referred to, and by the exhibition of amples in the Company's upper warchouses. giill, however, the charge on account of cartage is little heavier on goods warehoused at the docks of this Company than on those warchoused farther up the river; but, on the other hand, shlps entering the East India or West India Docks avoid a considersble extent of troublesome, if not dangerous suacigation, that must be undertaken by those hound for the London and St. Katharine Docks.

Retes and Regulations to be obseryed, and Rates to be paid, by Shipping in the East and West India Doces.
The docks and works of this Company are the Fast India Import and Export Docks and Basin, alled the Eastern Docks; the West India Import and Export Docks, and the Blackwall and Limehouse Basins, called the Western Docks; and that (formerly the City Canal) called the South Dock.
Regulatiors for Shipping to be observed by Masters,
pilots, and other persons having the charge of Ships, Vessels, Lighters, or Craft coming into, lying in, and going out of, the East and West India Docks, pursuant to Act $2 \mathrm{Wm} . \operatorname{IV} . \operatorname{c.} 52$.
The Company's Mroorings.-The moorings in the tives, within 200 yards of each of the entrances at Blackrall, and that into Limchouse Basin, and within 150 yards of the Limchouse ent=ance of the Sooth Dock, are reserved for the exclusive use of veseld entering into, or which have recently come oat of, the docks.
Pilots must not attempt to place ships inside the buorg, if other ships haye previously brought ap, but bring them to their berths in due sncassion on the outside, unless they shall be expessly ordered by the dock-master to take a berth mide the tier for the convenience of docking.
Tesels about to Enter and Leave the Docks.
Signals,-A blue flag will be kept flying at each entrace the whole time proper for docking and andocking; at high-water mark the flag will be atucch, after which no pilot must sheer his vessel in, unless directed so to do by the dock-master.
Prparing Ships for Admission.-No time should
be lat in gettiag the anchors properly secured
ud stowed, sails firled, quarter boats lowered tha, guas unloaded, gunpowder put out.
All ships are required to send down top-gallant
phand strike top-gallant masts, and to have
beifil and mizen booms rigged close in, bom-
ish martingales, and all outriggers unshipped,
athe vards well topped up whenever ordered by te deck-mas:er.
Order of A imis i ion.-The dock-masters have, eder the Dock Acts, full powers to direct the writg, unmooring, moving, or removing, al * ressels, or craft within the Company's and will direct the docking of vessels valiy in the order in which they arrive; but wressel shall attempt to gain admittance stary to the directions given by the docksta, the owner, and the master, pilot, or other ma in charge, must be responsible for all conpaces.
String-The ship must be ready to send Mind sufficient warps to cach pier, when ditol br the doek-master.
Thea within the piers, proper ropes will be bod board when requisite to guide and $\$$ the ressel through the lock; the vessel The hauled aheal by her own warps, and they
are on no account to be cast off unless ordered by the dock-master.
Every pilot must bring his bost into the Basin, or South Dock, as it is a most essential part of his duty to moor the ship.

Vessels about to Leave the Docks.-Export vessels should be hauled down in sufficient timo to be at the river locks, at Blsckwall, at low water, to prevent inconvenience during the time that other vessels are requiring admission, which must have the preference.
Vessels can only be let out after high water upon the special request of the officers in charge of them.

Slips going into the river must use their own ropes, as they are out of the dock-master's charge when clear of the outer gates.
Ships' Buats.-The Compsny take no charge of ships' boats, and are not responsible for them : it therefore rests with the owner of the ship to take such measures as will ensure their safety.
Discharging.-Two true coples of the manifest of the cargo must be delivered into the general office, at the Dock House, in Billiter Square, within twelve hours after every vessel shall enter the docks, or after the cargo shall have been reported at the Custom IIouse, whichever shall first happen. Penalty for refusal or neglect, any sum not exceeding 51. ( 2 Wm . IV. c. 52 s. 84.)
No ships can be allowed to break bulk until their cargoes are duly entered.
All baggage or presents should be sent as promptly as possible to the Baggage Warehouse, where an authority from the master for the delivery thereof must be lodged.
Packages of bullion or specie (whether cargo or private property) must be delivered by the captain, under his own responsibility.
The delivery of goods overside will u'en rest with the master, and he must take such steps as he may think necessary to protect his owners in respect to their freight.

Eastern and Wegtern Import and Expont Docks, tile Basins, and South Dock.

All vessels entering or lying in these docks and basius continue in charge of the masters and owners.
It is the duty of the pilots, or officers and crews, to transport their respective vessels, except otherwise provided for by the table of rates, under their own responsibility, to or from the river, and to or from any part of the docks or basins, as directed by the dock-master.
Light ships, on entering from the river, must be provided with sufficient hands to dock and transport them, and should move in due time into the dock ; otherwise they will be removed by the doekmaster, and the owners charged with the expen.se.
Ships taking in cargoes will be moored at the quays in due rotation. Light ships not taking in goods must be moored in either of the docks or basins, as the dock-master may judge convenient.
While ships are lying at or moving to or from the quay, all outriggers should be got in and made snug; and sails are by no means to be loose while 80 moving, or after daylight.

No ship must be removed from her berth without notice leing given to the dock-master, and his assent as to the time of removal being obtained.

Craft inust be fastened to the ships from which they are receiving, or to which they may be delivering goods.

Convenient receptneles on the quays are provided, wherein all dust, aslies, and other refuse matк $\kappa 2$

## DOCKS

tern are to be deposited, and which shall be cleared by the person appolinted by the Company, and by no one else.
No veasel can be permitrell to take in ballast after daylight, or before daybreak.

Shilis' provisions or atoren ennnat he permitted to pass the gates without an orler signed by the ou'ner, or an oflleer of the ship.

Neither canlking nor plumbers' work enn be allowed withont special permission, to be olitahed from the Princimal of l'olice.

Fire and Candle.-Spucial licenses will be granted to use fire and canille in all the docks and lonsins, on application to the P'rincipal of the Pollice, made liy the master or owner of the vessel, specifiving the names and eapacity of the jersonss in charge of the mhip, and engaging to be responsible for their attention to the regulutions.

Every such lleense will express the place in which tlre may be kept, and the cireumstanees moder which it may be used: upon the slightest infringement of the contitions, the penalty preseribed ly law rill be rigidly entorced.

Opening and shutting the Gates.-The gates will be opened at 6 welock in the morning, nul whit at 8 ocluck in the evening, from Mareh 1 to November 10; fund from November 11 to the last day of February, openel at 7 a the morning, and shint at 7 in the evening.

Captains and chiet mates may be furnished with tickets upm nuplying at the Police Office, at the Einstern or Western Import, Dock, which will entitle them to admission till 9 o'dock P..M., but no person whatever can be allowed to go out after the hour for closing the gates.

Hours of' Attendance,- The hours of attendance are, from March 1 to October 31 inclusive, eight in the morning to four in the afternoon : from November 1 to the last day of February, inclusive, nine in the morning to four in the afternoon; and there is to be no intermission of business during these hours.

No holidays are kept, except Sundays, Cliristmis Day, Giood Friday, Fast Days nppointed by Royal Proclamation, and the King's or Queen's Birth Ditys.

## Tonsige Rates.

Sailing iessels Incards Discharyerl by the Company.
For docking, mooring, and remoring within the docks and liasins, unloading the caran, nind the use of the docizy for four wetes from
the final discharge,

Per ton regiater
J.adon with sugar, otherwise than affer-mentioned, or other poods packeti in halen, baids, lastetw, nerons, casks, cases, cluent, or sinular packages (escept oil direct from the
fisherlen, tallow, or hashen), metal in pics, bars, rods, plates, or stmilis pirces, worxl it litlets, such as dye woolst And in pddltion, tor every load or ton of llue gum wond, and the like; or nil tn from tanka
laten with chests of sukar, 5 cwl . and upwards, jucheding
1.aden entirely, or in part, with hogsheadh, nat tierced of
adent entirely, ir in part, with hogsheada, nod tieree of
sugar or molasses iruln the West Indies, including ship's Laden wh th
logs or planks
lage or planks with hempe or goods in linik, or oull direct from the tisherbes
Inden entirsly willi tallowery ton of oil in tansa.
Laden with mined carkoes, bollow, aslles, or goods in buikFor exury ton of hemp
For every ton of tallow or ashes
The total number of totis charged not to exceed tho rrgister tonnaze.
Amilen with wood, the growth of the North of Euroje,
Ewirrty with deala, stave, Inth, or fire-wood -
Enfirel!, or in parr, with timbler or
Ami in add lion, for every load of hardwood or t
Ani in addthion, for every load of hardwood or maste

* When the discharge hy the Company of any vesce fa postpone
* When the dischapge hy the Company of any vessel in postp
Ly devire of the owners, six weet s only a re allowed Iree of rent.
t The expense of inhloouz incurred, and of miterials bruien or
injured, in the discharge of cutch or gambler, and other packages
Inlured, in the discharge of cutch or gambier, and other prackages
-hen tifey adherg together, wil be charged in additton.

Laden with \#miver from Africe, or the Fiast tndies, or like $4 . \mathrm{d}$.
 Laden with timber end spars froin Vancouver Laland, of similar catzoen
$: 19$
 shall be agreed upon betweeth the shlp-owner or maskr and the Company.

Sailing Feasels Inurards Dischurged by Uneir own Creves.

For the une of the dockit fir ary period not exceeding fout wech from the date of entraice -

Pur won regoter.
Arcieing from any port or place not otherwise aperlfied . ${ }_{0}^{0}$ \% dretiving from any port in the United Kinydom oe Euro. pean fret ousside the Halill, betwry! the North ciape
and Ushant $\dagger$ Dellvering part weak, per ton delis ered

## Exceptions,

$\mathrm{B}_{\mathrm{e}}=$ ton reghter.
Sloops and creft constwise, widh lirichs, and vers i with liroken granite, or paring stunes, nak remeining beyomd une
Colisers entering to await the sale of their carkoes, not ro.
moining beysmimitno wekt -
in the dorito equal to one-third of their reginter tulname, to he elempted from payment of the tonnuge zate, but
rent to conmence after tas clebr day froin the fiad rent to commence
Vestels + ruitirely corn-laden, thecharged in the docks, in
4. If'tonnage rule, not remalning bejond two weeks-

and 22 . 2 s , for erery additional 50 tons regher or lese
If corn remels quit nrithout waloaning, rent to commence after am clen doy from the date of entrance. Vesvels iwo-thleds laden with corn will the charged the asud
tonnage retes on the ot her part of their caryoes in enhage lones onge.

Sailing Vegsels Outarards, or Light Vessels, other than Steam Vessels.

Entering to land or lay up, nut having discharged their ${ }^{\text {sinport cargots in the dovilis- }}$ The use of the dacks
wieka from the date of entering feriod not esceeding four

Vessels Eutering to Locul from the Inport War houses or from Vessels Discharging Overside.

For the use of the dneks for one weck -
15 from linjort wareho
The number of tons char

## Exceptions,

Vescela under 100 tons register cmuiag in to losd comp or dent yards, or pond-free. Rent to coinmence after one weet.

$$
\begin{aligned}
& \text { Steam Vessels. Per toan res } \\
& \text { Entering to lay up. Ar in repair or fit their machinery- } \\
& \text { For the use of the docks for any period not eaceding } \\
& \text { four neeck from the date of entering - - } \\
& \text { salling vessela. } \\
& \text { - Thu eapense of moorink, unmooring, and renoving is } \\
& \begin{array}{l}
\text { cturien. } \\
\text { charted. }
\end{array} \\
& \stackrel{\text { charged. }}{\ddagger} \text { the expense of } \\
& \ddagger \text { the expense of morring, ummooring, and temoring is }
\end{aligned}
$$

Proces under two
Two toms, and no
dhove mre doove hre tons, no
Noven trat tons, en dhose Iuenty, tor ench
Atore thirty tonc, Romt, per wrok, for Dutro for plates, what If the Company are $t$ lown sed upwarus,

Tesels Sinterin

Yeain tavish:
nat the full rates boyond one
ny the full rates ons ikht:

## Fur remaining o

Giling vesels
Menar vesels ying up, repal
charer Ditho, hasting discharged or $r$
 at.

For the more expedi anlarled by the Comp be atrained in clearing wheathed. (Wliere ine delar wecurs in there ince resiar vecurs in thischar respip, lighters, or eraft, number of fit and proper masnable charge for the thaers, consignee or consid be Company's moveablon wis purpiose, it will be le buale for such service
 exding ofticer of work under th
nanlese houn of allup, eac.h
 Han in upportion,
ing haded, whipped, or atruck do

 tian indare of the main in eharar 1 day to be charged.
Merererer assistance whe the docks, it will be fu ta on the following terin


Tatrfrom the East London, bixilind, and delisered on board
iten, houm the tink

## Ukr Charyes for Alasting

Man Manalat Foreman




Dock Rent,
For remaining ocer the periods specified.
Wer lon register.



a.

For the more expeditious discharge of vessels unloulet by the Company, every assistance inay be wtained in elearing the tlecks, or stillening when tileil. (Where inconvenient and uning them delay wecurs in discharging or loading unecessary rescll, lighters, or craft, it shall be lavg of ships, Cmpany to cause to be employed a sufficiene aumber of fit and proper persons, and to make a wanable charge for the same upon the owner or anees, consiguee or consignees.-See. 94.) Should mis puppuses it with be machinery be desired for m.u. purphise, it will be lent upon application to
the sperinteadent. The following sin K male for such services: following charges will

| mitud hour of allendenilp, each man per of the corn. cops in throportion. to be charged. Orerime will be tren leadel., hing <br> tremen, under \& tonas at suck down by the dock cranes lima and under 5 tons <br> tiutios than I fon to be chargel. <br>  <br> Whe wimplance of the mant in eharghing ships, including |
| :---: |
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Thenerer assistance is required for moving thatedocks, it will be furnished by the Dock 4van on the following temini, viz.:-

 passed.

DOCKS


The prices of the above table are for each operation, which inelutes the use of masting-falls and slings.

Freight Bookn,-Abstract of eargoes, for the purpose of making up freipht accomnts, is supplied, on application at the Doek Ilonse, Billiter Sy pare,
at the following charges:-
Each elmirnes coniaining the weights, pieasurement, or a. d.


vessels leave the dorges must be praid befure the the Dock House in London.

Iegulations, dc. hegarding Merciandise:
No ship is allowed to break bulk until her eargo is duly enterod: it is therefore importthe that consignees shonld give directions fire the Cnstom of their respective consignments at norted.
baggage and prevents mar bageage warehouses, after may be eleared at th: examination by the
Particular attention is necessary to the regularity of the indorsements of bills of lading, as the
Company's officers camnot pass any lid the authority from the shipper any bill on which deduced by a complete and aceurate chain of inlorsement.
Every bill of lading should be specially indorsed, the contents are desiguate the party to whose order

In all cases of informalitered.
want of indorsement \&c upplicatior must be made or of their being lost. stuting the circumstances, and enclosint by letter, ments which will show the title to the goods: in every such case the applicant must engage to in-
demnify the Court may direct.
When bills of lading are produced, which are at variance with the manifest, as to the original ensignee, the Company will not pass my delivery order founded thereon until three clear days shanil
haved.
The delivery of goods afloat will be the net of the captain or officer in charge of the vessel.
No order can be received un ${ }^{-} 11$ the manifest of the cargo, duly certified by the captain, has been deposited at the Doek Honse: the orlers of the im-
porters of all goods intrusted to the East and West Intlia $W_{\text {ock }}$ Company's management may then be

When parties holding orders for delivery from the quays wish the goods honsed in their own names, or in the names of other parties, they must radge the order indorsed to that effect, and warAll will be granted accordingly.
the Company is warehoused under the care of the ordinary course diverable by warrant; but in wood (excepting ebony and dyewood from that, East Indies), goods imported in bulk, and sultiry other artieles, according to custom, arosieliverable by cheques or sub-orders. Warrants, however, will be granted at the desire of the proprietor for
any article warehoused in packages, or for the whole quantity of a bulk, as imported, or for any nllutment ot such bulk, on pnyment of the expense of separating it into distinet and corresponding parcels.
Thint the courne of business may be fully uniturstood, the attentlon of iaporters and purchasers of produce is particularly requested to the following memornila :-
Warrants for goods which are usually sold without lotting will be made ont for mich quantities as lave been found generally consenient to the importer.s.
for gooda which are lotted, mado merchantable de, tho warruita will be made out ns soon as the operations are performed. When directions from the inmonter are required, notice will be given of the landing necomits, or otherwise.

The flrst warrants or cheques will be issued to the order of the importers or their assigus (provided there is no stop upon the goods for lreighit or onerwise), upou payment of the prime rates or landing eharges.
Such payments must inchade all charges incurred to the time of passing the order or issuing the warrants or cheques, excepting rent ; charges accruing subsequently, and the rent, must be paid by the holders of the warrnnta before delivery of the gools. The proprietors of goods may, howerer, elear the rent nud incidental churges to any desired date, and havn new warrants or cheques accordingly.

Weight or gauge notes, corresponding to the warrants, will bo furnished, when required, at the charge of twopence ench.
The landing and consolidated rntes are received nt the Dock Honse; rent nid exten charges by the receivers nt the docks, nt the Clearing Onlice at Fenchureh Strect warehouse, and at the Billiter Strcet and Jewry Sircet warelouses, in whichever place the goods may be lodged.

When the assignment or removal of part of the goods only is intended, the warrants or cheques should be divided at the Doek House : :r. London, as hereafter provided. If the quantity to be assigned mast be weighed or measured, to separute it from the bulk, the division cannot le made until the whole quantity has been reweighed or re-measured.

If the delivery of the whole of the contents is directed, and the goods are not removed within tuo days, a new warrant or cheque for the remainder of the parcel must be taken out.

When the holders of warrants or cheques are desirous of assigning part of their contents, without delivery, reweighing, rehousing de., new documents will be given in exchange, on lodging the originals, duly indorsed. The indorsement should specinlly direct the manner in which the contents are to be divided, and state the names of the parties in whose favour the warrants or cheques are to be issued, in the followiag form: 'Please to divide the within;' or, when part is to be delivered: ' Deliver to Bearer [state how many packages], and grant new one for [state how many packages] in favour of one for,' \&c.
Warrants may be exchanged or divided, without assigning the goods, when desired by the holder, at the same rate of charge.
Original warrants will be granted free of charge, beyond that of the stamp; but for other warrants the charge will be as iollows, with the stamp in adilition :-


If, from the unture of the coutract between the seller and buyer, reweighing \&e. may be necessnry, new warrants, if desired, will be issued on depositing the wnrrunts, indorsed with directions to that effeet, containing the landing weights and reweights, ay soon as the operations are coupleted.

When any ulterations, such as repaeking de. nre to be mide (except when jreparatory to inmediate delivery), the warrants must be lendeet, nnd others, representing the goods correctly, issued in the same manner.
In the case of cnska of liquids used to fill up others, the warrnnt must be lodged, and the propprietor may either lave n Hew warrant for the remainder, or it mny be delivered (if not requind to be used again in the salue way) to his order,
'The warrments mast likewise be lodged, ougiving orders to vat; but il immedinte shipment is not inteuled, new warrants will bo issued as soon as the ensks nre retlled.
In the four last-mentioned cases, the charges of performing the operations include the expense of the new warrants.

When warrants or clieques are lost or mislaid, the Company require that they should be adrertised in the Public Ledyer, the paper coataining tho advertiscment, and an engagement to iodemnify the Company by bond or otherwise to be enclosel with the application for duplicates. The new documents will not be issued (unless the originnl shall be found and delivered $u p$ ) ustil seven clear dnys shall have clapsed from the date of notice by advertisement. Upon notice of the loss, the goods will be stopped, and the origind doccument can on no account be acted upoa unles first presented at the Siecretary's Office.
Irregularities in the indorsements lessen the security of the proprietors of goods, and renderthe documents ineomplete as authorities. The attention of the holders is therefore particularly called to that point, to prevent the impediments which nust otherwise arise to the regular despated ${ }^{\text {d }}$ business; but they must not attempt to remore such impediments by indorsing any warrant, ordit, or cheque, without due authority:

Forms on which persons may be authorised to gign for others may be cbtained in the Genern Othice at the Dock House ; and as no sigunture bat that of the party named on the warrant, delirit. order, or cheque can be acted upon, wheu goons ap made delivernble to order, persons so nethorist should adhere to the following forin:-
' For (Name or firm),
(Signature of the person authorised).'
Deposit Acconnts.-To facilitate pnssiag ordat and paying the charges dne upon goods, the Cire pany will open dejosit aceounts, upoa riqnes from the merchants, with such deposits as the? think proper: when the balance is reduced bedin ten pounds, a further deposit must be ande, to pounds being the smallest sum which eaa bete ceived $n$ a a time.

I'artios having deposit accounts with the Com pany must trnnsmit a note of advice on the propet pany must trnnsmith each deposit, and it will be necessisy
that they monde of warranta whor thas:-

Chargen to
or " Charges to
Br opening sue chants with the C are upon rent, is fums and pass be ation ut the Docl
Orders fiar' E.rt parking, or prep with not comprise Iryu time to time Whour and materi cas be doue but $h$ the goods, or parti The elinges unc the parties giving Gonds prepurred $J$ wrepared for shipn within the fixed n chargel repiliag or teat which may lia
The time nillow rebousing is as fol measared wood, fo wookls, seven clear goods, thne clear w vesed loads in the d to the date of her de Epplamation of th on Guxds Intiards.upun the gross weig ceiring by land, whis un the quay, or loa weirhing or crangin landing weights, ta treagh of spirits, $n$ Goods taken away b

The nates in thece Tables lssod by the Company: and future querations, b

> Gooin II:

Acid, Tarrazic -
Altal 4 croth:
Altanent root,
(470nts, casts, 3 cmt.

Casts, uniler 's cws. -

Boxss, or I boxes
Stell, In cases or bales
dioes, in gourds
A! In chests, easks, or bo
Alas marina:-
In press. packed bates
Aachories
Angrica roor -
Annatto, casks or caves Aniseed-as Seed Medir
Shar

Hat they should invariably state on their order will be chargel, in adelition for 'shipphing' oneof waprants whom the charges are to be puld by, thas:-
'Charges to the (date) to our account,'
(Signature.)
or "Charges to be paid by the holder,
(Signature.)
Be opening such aceounts, the business of merphaits with the Company, particularly where goods are upon rent, is much facilitated. The proper fums and pass books may be obtained on appilcation at the Dock Ilouse.
Orders for E.xtra Work.-The ringrges for repacking, or preparing for exportation, and all work nut comprised in theso tables, will be fixed fron time to time, with reference to the eost of Lutour and materials, No auch work, however, tan be dene but hy the order of the proprietors of the roods, or partics duly authorised by them.
The elarges under this he must be paill by the parties giving the order, or elcaring the goonds. Gonds prepared for Shipmeut,-When goods are prepared for shipment, and are not taken away within the tixed number of days, they will be charged repiling or rehousing, and any alditional rent which may have acerued,
The time allowed to elapse before repiling or rebosing is ns follows: Mahogany and other measured woed, four clear working days; dyewooxs, seven clear working days; and all other goods, thnee clear working days. When the export vessel bads in the docks, the time will be extended to the date of her departuro.
Erplamation of the Table of Rates and Charges on Guds Inverards.-The landing rate is charged upen the gross weight, and includes landiag, or receiving by land, wharfage and housing, or piling on the quay, or loading from the landing seale; weikhing or gauging at landing, and furnishing landing weights, tales or gange nccounts, and strength of spirits, as ascertained hy the Customs. Goods taken away by water trom the landing seale
thiril the 'Delivery by Water' rate.
Three working days (except in enses specially provited for in the table of rates) from the timal welghing, gauging, or examination of each mark of goods landed under a duty-pall entry, of till of right, will be allowed to the proprietor to remove such goonls from the quay; a like perish will be allowed In other casen, provided notico in writing of such intemed removal whal be given prior to the welghing, gabging, or examimation; but in the alsence of notice, the goonds will be immediately housed or piled, and charged accordingly.
The consolidnted rate ls charged upen the nett weight, and inclades (except whero otherwise apocially provided) landing or receiving by land, wharfige, housing, nul weything or ganging at landing ; ordinary coopering of mending for housing; sampling; furninhing landing weights or Gange necomits; strength of spirita, ma nacertained ly the Customs ; certiticates of damage; rent for twelve weeks from the date of tho importing ship braking bulk, or tirst landing from eraft; weighing for actunl delivery, and telivery by tand or water. 'This rate is charged on all goods to which it is afllxed, unless notice be given by the innporters, previous to the ilnal weighing of gatging, ot their desire to have them placed under the fanding rate.
The managesnent rate is chargel on the gross welght, and applies inly to cimamon, eochineal, indifo, lac dye, seed lac, shellac, stick lac, East India and Clina silk, and tea.
Rent in all cases is chargeable on the gross weight, and commences on the day of the importing ship, breaking bulk, or from the first date of lnading from craft.
In the case of goods being unpilel, or broken out for any operation, andsubsetuently repiled or relonsed, the charge for thpiling, when not included in the rate for such opieration, is the same ns repiling.

Warrants and Transfers (see preceding page).

## Table of Rates and Charges on Goods.

The Rats in these Tables are chargeable on oll Goons impnrted or cecelved into the Dceks on and afler in65, the date of the lloot mound oy the Company: ond from that chate, on all Cooda which may retnain in the Wareliouses or on tie Quays, at far as regarde rent and future operations, but they are not retroapective.


Table of Rates \& \&.-continucd.


[^17]Tuble of Rates fc.-continued.


Table of Rates \& c.-continucd.


Table of Rates \&c.-continued.
arighag chargeable to the importer is to be rharged at the rate of dof the landing rate; but this rule is not io apply to any other *a, el 10 any weighing, of reweighing, under any other circumstances.

Table of Rutes \&c.-continued.


[^18]Table of Rates \&c.-continued.

|  |  | Re | Repil- |  |  |  | Hent |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Gooda Imported | Rate | $\begin{aligned} & \text { weikh- } \\ & \operatorname{lng} \end{aligned}$ | $\left\|\begin{array}{c} \text { mpe or } \\ \text { Kousing } \end{array}\right\|$ | Deilivery | water | Per Werk | Quantulea isc. |
| Marthe: <br> Huugh, in cases | $a_{0}^{2} \frac{d}{6}$ | 2. d. | $. . d$ | $\begin{array}{ll} 1 & d . \\ 0 & 8 \end{array}$ | ${ }_{i}^{2} \frac{d}{6}$ | a.  <br> 0 d | per |
|  |  |  |  |  |  |  | Delivered inte undecked cratt, pur ton Wharfage and of 2.3 paims $n r$ Shipping |
| 8lochs: t toma and under | (rr $\begin{array}{rr}6 & 0 \\ 10 & 0 \\ 20 & 0\end{array}$ | $\because$ | $\because$ | $\because$ | $\because$ | $\begin{array}{ll}0 & 3 \\ 0 & 3\end{array}$ | 2. $d$ <br> 3 8 <br> 5 0 |
| above 1 tons and not exceeding 10 tons: ", above 10 tons |  |  |  |  |  |  | 5 0 10 <br> 10 15 6 |
| Mas, hass - - 100 | 1818 | - | . | 063 | $18 t$ | 06 |  |
| Mrat, preserved-as Fish. |  |  |  |  |  |  | 100 bundies |
|  |  |  |  |  |  |  |  |
| (tas consodidateit rate of 9a. per ton nett. | 76 | 26 | 26 | 46 |  | 09 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| $\underset{\text { Munjert, in bales }}{\text { lapage }}$, $\quad: \quad: \quad$ cw't. | ${ }_{0} 0$ | ${ }^{1} \mathrm{O}$ it | 0 it |  |  |  | ton |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | 31  <br> 1 6 | .. | $\because$ | $\begin{array}{ll}1 & 0 \\ 0 & 6\end{array}$ | 30 | $\begin{array}{ll}11 & 3 \\ 10 & 8\end{array}$ |  |
|  |  |  |  |  | $\begin{array}{ll}1 & 6 \\ 5 & 0\end{array}$ | 10  <br> 0 2 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Suts, Barcelana, Brazit, chestnats, fillerts, chath, tod walnuts: y buabels and |  |  |  |  |  |  |  |
| bore't and not exceeding 4 buahels: bag or bage <br> undet - - cwi. | $\begin{array}{ll}0 & 2 \\ 0 & 4\end{array}$ |  | $\because$ | $\begin{array}{ll}0 & 1 \\ 0 & 4\end{array}$ | $\begin{array}{ll}0 & 2 \\ 0 & 4\end{array}$ | 2 0 <br> 4  <br>   | 100 hags |
|  | $\begin{array}{ll}0 & 4 \\ 0 & 4 \\ 0\end{array}$ | $0^{-11}$ | $00_{11}$ | ${ }_{0}^{0}$ 118 | 0  <br> 0 4 <br>   | 4  <br> 0 0 <br> 0  <br> 8  | 100 bays or sacks |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | (1) |  |
|  |  |  |  |  |  | Palm and cocos nut, in caska not en- |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Inflaree caikn above 31) cwL : | 480 | $\begin{array}{ll}1 & 6 \\ 1 & 6 \\ 1 & 6\end{array}$ | $\begin{array}{ll}1 & 3 \\ 1 & 6 \\ 1\end{array}$ | 136 | 46 46 | \} 4 |  |
|  | $\begin{array}{ll}4 & 0 \\ 5 & 0\end{array}$ | 1  <br> 8 6 <br>   | 1  <br>  6 <br>   | 1  <br> 2 6 | $\begin{array}{ll}4 & 6 \\ 6\end{array}$ |  |  |
|  | 0 | $\begin{array}{ll}0 & 2\end{array}$ | $\begin{array}{ll}1 & 2\end{array}$ | 02 | 06 | 0 O2 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Larding, wharfage, lay. f lama |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $a$ ronsolidated rate of 7 a. per tun on New: eland ail; thetuding delivery from the quay and |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| morth's rent from the dele of ship's report, and tharges eacept coopering. If not delivered within month, the usual delivery retes will attach. |  |  |  |  |  |  |  |
| monte, the ustal delivery retes will attach. ton |  | 12 | 12 | 12 | 36 | 03 |  |
| 1 rope. Set Junk. |  |  |  |  |  |  |  |
| Te, doout iz callons $\quad$ - ${ }^{\text {d }}$.harrel | $0{ }^{0} 4$ | * | $\because$ |  |  |  |  |
| 2) ${ }^{6}$ " $\quad$ - ${ }^{\text {a }}$ - barrel | 0 | $\because$ | $\because$ |  |  |  |  |
| Ubouns quart, amall keg : | $\begin{array}{ll}01 \\ 1 & 21 \\ 1\end{array}$ | $\because$ | $\because$ | \% 08 |  | ${ }_{0}^{0} 10$ |  |
| 3, pint jan | 118 | ". | $\because$ | 10 0 0 | 1 0 | ${ }^{1} 1$ |  |
| In lxge parkages, ${ }^{\text {a }}$ - per 100 gallions | $\boldsymbol{z} 1$ | $\because$ | $\because$ | 00 | 21 | ${ }^{1} 13$ | therre 30 rations |
| Meing py to arake in addition. |  |  |  |  |  | ${ }_{11}^{0}{ }_{0}^{8}$ | Larrel, 30 gailons |
| Alore $\sum$ lushels | $\begin{array}{ll}0 & 2 \\ 0 & 3\end{array}$ | $\because$ | .. | 0 1 <br> 0 4 | 0 0 0 | 0 0 |  |
| \%mi $\quad:$ cẅt. | ${ }^{1} 6$ | $0 \div 2$ | $0 \% 2$ | 0 | ${ }_{0}^{0} 6$ | 0 | chest, under 3 cw 1 . |
| spa and lemons - - - $\underset{\substack{\text { chest } \\ \text { hoz }}}{\substack{\text { cose }}}$ | 06 | - | - | 0 | 06 |  |  |
| base | $\begin{array}{ll}1 & 1 \\ 0 & 9\end{array}$ | $\because$ | $\because$ | $\begin{array}{ll}0 \\ 0 & 3\end{array}$ |  |  |  |
|  |  |  |  |  |  |  |  |
| int containing jars, 3 gallons and . case 0 . 6 |  |  |  |  |  |  |  |
|  | ${ }_{0}^{0} 96$ | $\because$ | $\because$ | 0 | 0 | 0 14 |  |
|  | $\begin{array}{ll}1 & 0 \\ 0 & 0\end{array}$ | $\because$ | $0 \cdot \square$ | ${ }_{0}^{0} 4$ | 1 1 0 0 | 0 1 1 |  |
|  | $\begin{array}{ll}0 & 6 \\ 6 & 8\end{array}$ | 0 2 <br> 2 2 | $\begin{array}{ll}0 & 4 \\ 2 & 2 \\ 2\end{array}$ | $\begin{array}{ll}0 & \\ 2 \\ 2 & 9\end{array}$ | 0 7 0 | $\begin{array}{lll}1 & 3 \\ 0 & 10\end{array}$ | ton |
|  | 30 | 18 | 18 | 18 |  |  |  |

- charge made for rent If cleared from the quay within 14 days from final landing; but after that period the oll delivered from the Hife suhject to a weekly quay rent until the expiration of one calendar inonth from the commencement of the shlp's discharge, or first ding from craft, and any additional coopering necessary will be performed end charged for at the usuai rates.

Table of Rates \&c.-continued.


[^19]Table of Rates \&c.-continued.


DOCKS


Table of Rutes \&re-montinned.


L L


Rates on Dyers' and Furniture Wood.

| Goods Imported |  | Consoll: datel date | Landing <br> Mate | Hewrikh ing | Repll1.1H or howsing | $\left.\begin{gathered} \text { Delivery } \\ \text { Land } \end{gathered} \right\rvert\,$ | $\left\{\begin{array}{c} \text { Dellivery } \\ \text { Wy } \\ \text { Water } \end{array}\right.$ | $\begin{aligned} & \text { Rent } \\ & \text { Weer } \\ & \text { Week } \end{aligned}$ | Rent per Week afiet firme ye if from the Vesiel lireaking bu. t |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ilarwool | .$^{\text {per }}$ | s. d. | s. d. | s. d. | 2. d. | a. d. | g. d. | J. d. |  |
| Hoxwoorl: |  |  |  |  |  |  |  |  |  |
| $\mathrm{Sl}_{\text {lrazil, large }}^{\text {Camwood }}$ - $\quad$ - |  |  |  |  |  |  |  |  |  |
| Cocus-wood . - : |  |  |  |  |  |  |  |  |  |
| Ethony lare* | $\therefore$ ton | 6 G | 46 | 1 14 | 111 | 136 | 314 | 01 | $\{$ Eait Indies, ocus |
| Fingnum-Vita |  |  |  |  |  |  |  |  | (and lignuin-Vive, if |
| lownood - |  |  |  |  |  |  |  |  |  |
| Quassla ${ }^{\text {dearge }}$ |  |  |  |  |  |  |  |  |  |
| Sanders - |  |  |  |  |  |  |  |  |  |
| If under cover 1razaletto | - ${ }^{\text {ton }}$ | 70 | - | - | - | - | - | 0 11 |  |
| 1riacil-wood, sma!! - | - ton $^{\text {a }}$ | 50 | 56 | 143 | 1 41 | 111 | 411 | 02 |  |
| Nicaragus, small : Siplan : | $:^{\text {a }}$ |  |  | 14 | 14 | 14 |  |  |  |
| Finsic, yount |  |  |  |  |  |  |  |  |  |
| Sanidal | $\mathrm{j}^{\text {ton }}$ | 80 | 56 | 13 | J $1 / 2$ | 14. | 413 | 03 |  |
| Jaccaranda - - - | $\bigcirc$ |  |  |  |  |  |  |  |  |
| Mahokany : losewood |  |  |  |  |  |  |  |  |  |
| Satin : |  | 70 | 50 | 13 | 13 | 13 | 39 |  | \% id |
| Tebra |  |  |  |  |  |  |  |  |  |
| Hird's Eye Maple - | - |  |  |  |  |  |  |  |  |
| Celar and olleer furniture wood | - |  |  |  |  |  |  |  |  |

Special Charges.
Rummaging mahogany and other fumiture wood -
Rummaging mahogany and other fumitur
Deliccring into decked vessels, additional
The rates on other descriptions of wool are published in a separate table.

Management Rates.-These rates are charged upon the gross reight; and when the goods are to le placed upon the landing rate, notice must be given previous to the landing.


Cochineal.
Linding: comprising landing, wharfoge Peter furnishiny landing weipht, wharfloage, weighng of weighink, strippin, taring, parl, wharfage, boosin ing to and from the garbler, mending, and bags thp plied for parbings, overtakers and in substitutuon original lags damaged
Rent, p.r wewt
Rewergilug -
Rewephlhg -
Repiling or rehousing

* Under this rate, the importer bas the option, at the time wat maningement rate, of commuting the delirery charre b ewt. gross on tho whole of a mart or entire jarcel.

Indigo.
Rates.
Landing I comprising landing, wharfake, weighing trai and delivery from the quay at the docks
Landing and housing: eomuristig landing, whriat weighing gross, housing and delivery

## Lunding: comprist fumishing lan fumishing lon Pur chest, is <br> Vanagement!  orerlakeri, rew, fichest, per ewt  Water

 Wher Horti, per neek
$S_{\text {ceed }}$ Landing: comprioing ${ }^{12}$ and furnibhing Jant
housine:
Naukment: cornurisin zexhing, cornprisin aring, triflling, mais the, that for overaterers,
In cbests -
Rem, per in eet bixh
Rerembing
liedide ar rebouving.

Leding: campriong Jandin
lunublung laruling weight

Rates, per Packase

Aling and hausng: compry


 sementi corypriving the pratuons as the landing
 ainy ther operations cond

EDC
-f. of R.ites orinits in Cask
Lendiny Rutc ine sup to gauge, and gat
of husling gauge. Th of spirits, as ascec
$t$ samples. Wine
one ealendar mon
of the ship's tischar
ater the expiration
phering rate will bed
the Customs, and del
with the Compnn
a abore, a further
dnys, will be all
on payment of

DOCKS

Table of Rates \&r.-continued.

## Indigo-continued.

 unf, cumprisime every operation tichlwital theretio,


When rialmd
When not rised :
Luth, per week

## Late Dyc.


Suetlac and Sticklac.
Hates.


Shellac-continued.
Mangement: compristest landing, whariage l'er ewt. grow. weighing, atripging, npenting, sorting to quigity, houstart. iog into bulz, nhivering if requinit, w.imping, tarhng proviling chost for opertaters, reweighing, loting and pling away-

Hent, per week
Koweghink
Hepling or rel
hepiling or rehousing
-


Eant Indiat and China Silh: Raw and Thrown.

|  | Hirles. |  |  |
| :---: | :---: | :---: | :---: |
| Hatcs. |  | 1011410 rosame 150 16. | Above 41 lb , and 4nder (1) Ib. griens. |
|  | *. d. | P. 4 | a. di, |
| Lambliut comprixing landing. whorriage, wetghing, fornisbing baning welyhtes and delivery from the yuay at the tlocks |  |  |  |
|  | $f$ | 10 | 0 |
| from the guay the same day |  |  |  |
|  |  |  |  |
| for security, and the landing anil housinis rate will attach. |  |  |  |
| Landing nud housung: cmmproing |  |  |  |
| t.inding, wharfage, weighithg, fur- |  |  |  |
| nishing landing weights, housingt, | 28 | 211 | 1 |
| or taring for rustons, may ata phere on silk subject to |  |  |  |
| lisis rate, on payment or the |  |  |  |
| repurcive charges but shoulid |  |  |  |
| quired, the malagement rate will atrach. |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| nuil wharfage, or recenving liy limel, houdak, weighing, and fur- |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| first linppection, or lirst sanupling, |  |  |  |
| log timpertur or his agent, narking, neweighng, and delivery |  |  |  |
| lent, per wedk. |  |  |  |

Tea.


from the vault in lieu of that for delivery from the edine of hitres and Cinaiges on Wines from

The Housing und Coopering Rate includes housing and coopering, cooper's at tendance at housing, and superintendence in the vaults, for the tirst cighteen months, regauging, and sampling at delivery; and is applicable to all wines and spirits not cleared from the quay. Goods chargeablo with this rate are suljeet to rent from the date of the ship's breaking bulk, or first landing from craft, and to cooper's superintendence after cigliteen montlas.
Racking.-When racking is necessary, fortyeight hours' notiee will be given to the proprietor, with the option of sending lis own casks. No charge will be made when the easks are racked for preservation in the vault, within twelve months

DOCKS

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prietor's written order. Tasting by the proprietor, or his clerk, is exempt from charge: the latter, however, must be authorised to sign orders, and be numecompanied by any other person.

Corpering, when requisite, at landing, examination, or delivery, for the protection of the projerty, will be executed without awaiting the pro to conorder, unless he shall give direets this table. trayy, and at the rates specifect in this table,
jefficioncies. - When wines and spirits are

Ory in cosk made of pruper the Compmported in casks made of ible pertelencies in any engages to he responsel sure which shall excen one the roonds remain each year, or fraction of a year, in charge; but the Company from the casks being male of other and inetlicient materials; nor for delieicneies on spirits exceeding 20 per cent. over

Payment of Churges.-Tho housing and coopering rate on the whole mark or parcel housed must be paid previons to the issue of warrants, of the transfer or delivery of any portion. l'ayment of rent, and other charges, will be requirud only on the quantity to be delivered or transferred.

| Sizes of Wine and Spirit Cushs, |  |
| :---: | :---: |
|  |  |
| 1falf qu.iter cask |  |
| goartur cank | 3 |
| Thind crak |  |
| Hips Me, or but |  |
| Unaxienblo |  |
| exce |  |
| Malf quarterenisk | 111 and under min. |
| Guarter-cak | : \% |
| Thitructat | - 4.3 \% 68 |
| Yosiluealie |  |
| Unve, buth or pun. | -121 and apwards | proof.

Rutes and Charges on Wines and Spirits other than Rum.




Rates and Charges on Wines and Spirits in Cases.


+ Tasting zd. per hottie in addition.


Oversitle Parcels.-Boxes of samples varying from 1 to 6 small bottles of 1 or 2 gills cachlanding, housing, examining and delivery, box Gel.

Hates on magnums half as much more as on quarts : i.e, the charge on 12 magnums is equal to the charge on 18 quarts.

Rates on double magnums twice the rates on magnums.

Dividing 6-dozen cases into two 3-dozen cases, including new ends, unpacking, and repacking each new case 3 s .3 d .
night), retailing and bunging up, per loo gillors dre from the vat - the vat a second night, per 100 gulansa For remaining in the vat it second 100 gallono dition Wnter for reducing the zrength per purcheon, widing



 of y jear.
fumphlidated rate for boti IWvivery, per dozet
Kent to commence

$$
I
$$

Landiny Rute pauging, housimg, of water, original and strengths, as survecing aud furs Rum not intended lavel four clear day partel for removal.
translipment, it ina clear day's from that revel londs in tho separture, paying rer Reat is chargeable Traking bulk, or from Consolidated Rate
$\qquad$

## fumenidatal rate for botlling, per tozen Wivery, per dozen

Dottling.

## DOCKs

quarts landing, wharfage, gruwiug coner markims, smmpling, housints oopering for housing warrante, firmlahint pang and thelivery, original certained by the cinstomges and strengihs, ns asIng certiticate of camtoms, surveying and furniah. from the shipin hanage, and rent for twelve weekis eharged in anmencement of discharge. It he importers, to place the unks notice be giren, by no. $\quad$ beo the gools under the lauding tho charges on the the Company, or dellvery delivered most be pail.

Sizes of Rum Cusks.
 parture, paying rent as it hou the date of her ane is chargenble from the ate haling. ding balk, or from the tirst landint from ship Consolidated Hate includes all expenses for
Landing Rute fauging, housing, delivery fromithig, wharfag or watet, original warrmis and the gmay by limi and strengths, as ascertained accounts of gmuge sorveying aul furnishint cent by the Customs hum not intended to be warchonsed of damuge fured four clear days from the thane will be alfarce for removal is the fima praping of the panshipment, it may remtended for immelis may remain on the gun winte wear days from that perfot, and whe quay seren wel ouds in tho doeks, imitil the date export hent is chang rent as if honsed at hambine

Comperage and Extra Rates and Churges on




kos, fro and cecol Charges on Rum. as, fint and second, wich rizal \% : : in


Thour
now belong to one Condon amu St. Katharine Docks and doeks of the Vietoria Loud and the undertaking are transferred to the oria London Dock Company 27 \& 28 Vict. e. 179, they mansement under the pricty be separately 170, theseribed may still with pro-

## DOCKS

sin. The lock leading from the river is 180 fect busin. 45 broad: it is so constructed that ships

518 Loulom Docks.-These were the next 'Thames. tuking of this sort set on tiches of St. George in They are situated in the lainadwell, and were printhe Bast, Wapping, and. Smation of shaps Gaden cipally intended tor the reception of shps aden epany wine, brandy, tobaces, and rice. The westem Nith wine, water above 20 acres, with a dock has a water area the centre, 800 feet in length; commotious jetty of the new or eastern dack and the water area ores. The tobaceo dock, whed covers about 7 aeres. Whe nd exceeds 1 acre in lies between the above, noted for the reecption of extent, is particulariy adiphenses are capacions and tobace ships. The warehonses are capase on the tomarniticent. The ireat tobaceo warehonse, hatsest, north side of the tobaceo dork, is the its sort in tinest, and most couvenicnt bain 21,000 hogsheads the world. It is itted to contamese space of nearly of tobace, and covers the immense sholly under the fice acres! 'This warchonse is whony ams. The manarement of the oflicers of ether warehonses, raults, under the tobaceo and ont of about $18 \frac{1}{1}$ include an area of the vast extentors \&e., have acres, and, after allowing for gampays end spirits! acres, and $\begin{gathered}\text { towage for } 66,000 \text { pipes of whe All ships bound }\end{gathered}$ stowage for 60,00 pened in 1805 . All ships bonma These docks were open with wine, brandy', tobacen, for the Thames, ships from the last and Wor the Indies), were obliged to minlad io then expired in space of $\because 1$ years; but this monopoly exps sine January 18:6, and the use of the docks ins now in been optienal. Hydran and in many of the wareuse alongside the quays andily aphlied throughont use alongse
houses, and is being generally all houses, and
the dock.

The entronees to the London Docks were formerly
the basins at llermitare and Wiapmns bat by 183: another entrance was etliected ly a basin in 183 : another chadwell, about in of a mile hower constrach river than the Wapping enred so as to in 1858 this basin was farther cacres; and it was include a water area of above 6 acres, or new then, also, furnished with a second bit feet in thentrance lock, 350 feet in length, and entrance hock, ath spring tides a depth of This adwater over the sill of the dock gaterial improveditimal hasin has been a most materid docks more ment; for whine it has render of shins, the new casily aecessible to all sort the larrest burden. entrance lock admits those of the lache, in all, in space
The Companys prest The stock amomed in are of about 100 actes. $A$ considerable portion of the ast to $1,910,3937$. Ared for the purchane of the houses stim was repurred for of the doeks.
that ocenpied the site of the docks. 3. St. Kitharint pany tor the conse det 6 (ieo. IV. c. 105 (local), 8.28 corporated by hertilly opened on october 25,1828 , they wer fonted immediately below the Tower, They are somequently the most eontiguous of any and are consequently 1 ouse, and other places to the City, the Custom Hens, The eapital stock where business is triansacted an additional sum of amounted to 1,93 ,, 800 .; but on the security of about 700,000 . was burrowed on the works and the the rates, for the completown warchouses, and of purchase of extrns with a river frontage trom the a fredhod proptry with Lower bist simithield. A Tower to the eowner of has heen appropriated to a portinn of thet whan, where passengers embarkance. steam pachout the aid or risk of boat conseyanced The purchase of the numerons house that proved, as upon the ground oceupied boeks, a heary item of in the case of the London Doeks, within the outer expense. The spont acres, nearly 11 of which are wall is phere ase 2 docks commmicating by a
water. I
f upyards of 600 tons burden may pass in and ont lourg before high-water, so that ontward-howit hips the opportunity of rcaching Backwal before the tide begins to recede. Ships madockel of 1,000 tons register vithunt dillicuts. Vesse by lay-an al undocked be nirht as wel a by vantage peculiar to this estabnshmen in widh is ut chamel of not less than 0 ; and vessels drawin, all times kept in lie aflont at low water at the 22 feet water mat ie and mitrance. The wareprincipal buoy off the doom a very larre seale; far houses and vaults are upen a disposed to infer frem more so than one migh The warchonses are wel. the extent of water. The wand owing to theis contrived and commpillars (within which whatis being buit partly wn pilan other dochs is tran.. ealled the quay work of the other goods are hastat acted), close to we wald of the vessel, without it direct from the to limd them on quays; to thatio beyng necessary to lim rom, time, and labour is 4 fected
ected. The rerulatome Docks are similar to thase the $\mathrm{St}_{\text {. Kathing }}$ and West India and Lome foreed in the East and beg to refer.
Doeks, to Which we beg hon Docks itre situatel 4. The Fictoria hon on the north side of to the l'aistow Marshes, below the liast and tib Thanes, immedintely comprise a hall-tide basia India Docks. They cock of it actes, and a portio if acres, an inner domal intended to intersett tia (12 acres) of the camampans. The depth of mat eastern lands of the comphes to 26 feet 6 indor varies from 21 feet 6 'Thames is at Bow Cum The entrance rom $3: 20$ feet in leugth, 28 fett 2 by means of a feet in width. There are 6 jothe depth, ant 80 fect wive warchouses. That on 5 of which are ext warchonses on the nothe are also several hr, wich, having an area of tstat of the dock, one or wriated to the storage of tidam
 Thure are also whe suano; the cutire Londenta of 100,000 tons in this article being Gastern Counties Raitrat A branch of the docks, so that goods canbe es brought into the dock, this, the North-Wester, veyed by means of this, chance of cartiace tos other railways, without change kindom. the shipis site to any part of the kingtom a bout

The Victoria how from low Creek to 6 aeres of hand, extending from 3 miles. It was inte. Leach, a distance of nearly dock by a wide cis to continue the $7 \cdot 1$-acre dock bentrard dis through 450 acres of land to the e water inas present dock, and the canal in providigg ry: on each side of the cation for shipping and kinds of acconmsodation ouses, premises fors surlh as dry tocks, \&e. There have s. pany, on the south side of the 7 tare ratiy, on ducks on an entirely novel primida which ships are raised by hydraulic powt pontoons, thoated into bays in shallor rasa there examinel and repaired amonemmil tages of this plan are being on oace and bet considerable number of ships being resorted th ticability of these docks beesity for pasing shipping without forective of the state of the the river, and irreck Company wete wat

The Victoria Dock in Jpper Thames Steelyard warehonses are cecupiers of ext and their assirnces Mint Strect, which wa
conected with the Black wall Hailway, eommon
ate ley railway with all parts of the kingdom,
The Company was ereated by Act of l'arliament
 harised to raise a share capital of $1,200,0001$, and thathed borrow $\% 99,00$ m)., makints its total powers of raising money $1,599,0001$.
The undertaking was leased to Messrs. Peto, lhets, and Brissey for ol vears from dimmary Foju, they paring as rent 5 per cent. on all eapital up to 700,0001 ., and it per eent, on all beyond that amount ; also 2,000 . per anmum for the expuse of the Compmys.s oflices nat mamagene nt, with half the prolits which may arise from the workiug of the undertaking after paytant of rent. The lessees were boumd to lodge siceurity to tha exteat of 150,0001 . for the performance of the provisions of the lease; but, as alrealy explained, tha Zictoria boeks have been transferred to the mamement of the London and St. Katharine Dich Company:
Syomps of the Routine: of Jubac luestses, with as Abstrice of the Phincheab.
 bindong, St. Kítharine, and Figtoria Docks.
lills of lading must be produced before goorls can le delivered to parties claming the same. in all casc where such poods are entered by the Cumany for want of entry by the merchant; as nisu when moods have been landed from places to the eatwarl of the Cape of Good IIone, with the exertion of Yan Diemen's Land nad New South Wales, They will also be required for gonds from the West Indies or United States of America, when entered by parties other than the consiguees. Paticular attention is necessary to the regularity of the endorsements of bills of lasling, as the Companys oflicers cannot pass any bill on wheh the authority from the shipper to the holder is Sat deduced by a complete abd aceurate elain of entorement.
Every hill of ladiug shond be specially endorsed, an to elarly desiguate the party to whose order he cuntents are to be delivered.
In all cases of informality in bills of lading, him want of endorsement de., or of their beinis pt. application must be made to the secretary by uter, sating the circumstances, and concosing any, herments which will shou the title to the goods. herery such ease the applicant must engage to demuily the Company; by bond or otherwise, as e Court may direet.
Orders for transfer or delivery, unless the coods eto be delivered from the landing seale, camot neeepted until the roods hate becth lambed.
The payment of the lnnding rates, whenever ertained, on the whole of each mark or parcel goods, will be required previonsly to the asifer or issue of warants, or delivery of any $t$ thereof. Chages upon goods must se paid, carried to a deposit accoment, previous to an ef for framsfer being receised by the Company. prders for delivery cannot he aeted upon mules. ofl by the party in whose mame the goods din the Company's books, or by a person duly arised in writing, under the hand of the chal, to sign them; aud should any interfunh, erasure, or alteration have bern made In order, it can only be accepted with the $e$ or initials of the party set against such ation,
hen groods lodged in the enstody of the payy have heen stopped tir freight, the proor may liberate them by making a deposit of mount chamed with the Comprany, aceording
to the provisions of the "Merchant Shupping Aets Amendment Aet,' 1862.

W'erroats anel Transfirs.-Warrants for goods in gemeral are issued, on written appliention at the doek, in tavour of such person as the party in whose name they stand in the 'ompany's books may direct. The first are issued free of expense, except for the stamp, as required by law ; on all sulisequent warmats and transfers the charges are as follows (stamp in addition) :-

For cacl warrant or transfer containing-

'L he zontents of oue warrant may he divided into others for smaller quantities, at the will of the holder.
(ioods for which the Company's warrants have been issucd are not subject todetention for freight or lanling-charges. The warrant also supersedes a certificate of transfer, is preferable in point of seenty, and a saving in expense. It is the only document issued by the Company entitled to be considered a legal symbol of the goods therein described, and is transferable, by an endorsement, without being produced at the doek affice, thus obviating the tromble andexpense of transters; but transfers may neverth. less be cffected in the books of the Comipany by the holder of a warrant, if desired, on its lodgment at the doek.
No warant will be issued mint the rates on the gools are paid. nor until the stop for freight (if any) has been removed, or a deposit eftall to the amount clamed on aecount of such stop made with the Company.

Merchants' orders for delivery or transfer may be exchanged for warants at the lock olfee, on written instructions being previously lodged.
lf, from the nature of the contract between the seller and buyer, re-weighing de. may be necessary, new warmats, if desired, will be issued, on depositur the warrants, dindorsed with direetions to that efleet, contaning the landing-weights and re-weights, as soon the the operations are completed.

When any alterations, such as re-paeking \&e., are to be made (exeent when preparatory to immediate delivery), the warants monst be lodged, and others, representing the goods correetly, issued in the same manner.
ln the event of warrants leing lost, the must lue advertised in such publie newspaper as may be directed by the Compmy, and 7 days clapse subsefuently to the advertisemont, and the Company be indemmitied, hefore any delivery can be effected; hut whenever the delivery of the goods is pressing, the parties may oltain it immodiately, upon depositing the estimated value. Under no circumstances will dupliente warrants be issued
Weight notes, at usual charge, are issued, on athority in writing of the owner of the gools, att any time on or lefore the day of prompt, cutitling the holder to inspeet and sample the goods.

Athority to sign Orders.- P'roprietors of goods desiring to authorise their cleiks to sign orders on their buhalf mast lofice an instraction in writing to that elleet with the Company. Printed forms for that purpose may be obtained.
Brokers possessing general authorities in writing

DOCKS
from merehants to inspect their coods, or draw sampies, should produce the same for registry with the Company.

Inspection.-lnspection or examination of goods may take place immediately upon presenting the warrant, weight-note, or an order from the proprietor.

Thasting or Sampling Wiurs.-Tasting of wine, and sampling of wine or spirits, will be allowed on presenting at the vault-keper's office an ordet from the proprictor of the goods. When warmats have been issuch. the number of the if third or must be stated ont the ornuired, the charge for subsequeat samphes ane be paid before delivery. :ampling and With respect to goods subject to allow-

Tarer frate or customs tares, importers may longe a general order with the Company, authorising then to act on their behalf; lout when this is not done, the merchant's elerk, with a view to prevent delay ought to make an to scitle the appointhent with tre proper omot be furnished until they are aljonted.

Landing and Gange Accounts--Landing and gruge accomits, with the amount the landingrates specitied thereon, also accomits of the st rengths of spirits, re-weights, re-gume, and delivery weight of goorls, will be delivered at the counting-houses of the proprictors in the City without any chatre. Similar acemnts to parties residing out of the city will be transmitted by post, unless countermanded. Appications relati: to all such accomuts must be made at the proper ontices at the ducks.

Samples.- When samples are roturod which can only be sately taken after the goods have been worke ${ }^{-1}$ sampling will not be performed previonsly without specitic directions from the owner.

Goods worked for Sale.-The ' mopany will proceed to the working for sate of all goods imsmediately on lheir bein sander, unless notice to the contrary be given by the owner or consignee.

Goods withdrawn from sale, after being shown, will be subject to an extra charge on being agail shown.

Empty casks and packages, if not removed from the dook within seven days from the dete of their becoming empty, are sent to the stures, and sold by the Company.

1) eposit aceumts may be opened with the Company, which will materially facilitate the merchant's business and expelite deliveries, and add pertect security in the payment of charges; but such acfounts must not be overdrawn.

The loock Company will not be allsworable for deticiencies in merehandise produced by natural causes, nor for other deteciencies, or liable to make frod any losses, unless ascertaned previonsly to the goots being removed from the premises of the Company.

No person is permitted to be employed in any work and labour to be performed within the doek promises, whether on board of ship. in lighter, or on shore (except the servants of the Company, or lightermen in the ceaft), without permission in writing from the superintendent.

The delivery of goods athoat will be the act of the captain or oflicer in charge of the vessel.

The inward rates upon goods landed at the London and St. Katharine looks are classed muler separate heads:-landing rite, handing and housing rate, consolidated rate, and manarement

The Landing Rute is charged upon the gross weight, and includes landing, or receiving by land, wharfage, weighing or gatging, and housing,

Sote-The followi tar, sulphur, spirits ntoleum-and sucl thises will not allow Hicks, are warchouse bluks,

The hours for th ati
lonomareh 1 to C 4 vitlock r.m, Wrygang of gauging at landin? (evpernig at Janding (all rownd)
(Materials is Pirbinz and furning (on quantivy belver ber beet
hend from quay or wat
leivery by water fiom guay or
The rates are applicab inl carriage.
Wharlage and shippin Whs (except on bullion rdc.) from the chat
be perioul the vessel in iiped is in the course chate rent being charg Gools transferred fron lieet to rent from the chs above mentioned un the ressel into which ivered; such charge for retoring that may be tane of lodying the tr d, or orlered to be hot extra charge for housit from the date of rec
vessel into which they ater-botne troody land
sittor, or for the exam be subject to the el rage, wharfage and po
orisions and stores to any (not being bonde not be sulject to the a rape.
ber be Company fake arged from a vessel in Company do not un the hold of a vessel. sons in charge of good mint must come pr tion; also the name wit the goods are in:ten

## DOCLS

Sote-The following goods-guano, resin, pitch, From November 1 to last day of February, 1ar, sulphnr, spirits of and ober turpemine, and prodeum-and such others as the insurane ntices will not nllow to be stored in the Upper huts, are warchoused exclusively at the Vietorin 1).cks.

## Memoranda.

The hours for the transaction of business Trman Barch 1 to October 31,8 o'elock A.M. to 4uituck r.as.

9 Oclock A.s. to 4 oclock in.m.
Iegisters of ships inwards, for the use of merchants and others, in w. ieh are alphabetieally arranged the nomes of vessels, where from, and where stationed, and which also contain the partienlars of ships loading, are placed at the Superintendent's Otlice, London Ducks; Long loom, St. Katharine look Ilonse; Superintentent's Office, Victoria Ducks.
Vixitors on Sundays or publie lolidayz are admitted only under special circumstances.

Rutes on certain Goorls stored exclusively at the Vietoria Docks.

| Goods Imported |  | landing llate | Re. weligh ing | $\left\|\begin{array}{c}\text { Be- } \\ \text { piling or } \\ \text { hee } \\ \text { housing }\end{array}\right\|$ | Nelivery by lanid |  | lient |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Per Werk |  |  |  |  | Quancities © ${ }^{\text {cos. }}$ |
|  | jer |  | s. d. | s. d. | d. d. | s. d. | A. d. | s. d. | $\mathrm{r}^{1} \mathrm{r}$ |
| (Gunno: Haciuding filling into bags and sewil.g un | ton | $\begin{array}{ll}3 & 0 \\ 4 & 6\end{array}$ | $\begin{array}{lll}6 & 6 \\ 0 & 10\end{array}$ | $\begin{array}{lll}0 & 9 \\ 0 & 10\end{array}$ | $\begin{array}{lll}1 & 6 \\ 0 & 10\end{array}$ | ${ }_{2}^{2} 5$ | \% 09 |  |
| ! lurb- - - | " | 46 | 010 | 010 | 010 | 26 | [30 30 | ) 100 barrels |
| Hoein, unrefined | " | 26 | 010 | 010 | 010 | 26 | $\left\{\begin{array}{l}3 \\ 1\end{array}\right.$ | ton, in tierces |
| senned - |  | $\begin{array}{ll}3 & 9 \\ 3 & 9\end{array}$ | $\begin{array}{ll}1 & 3 \\ 1 & 2\end{array}$ | $\begin{array}{ll}1 & 3 \\ 1 & 2\end{array}$ | $\begin{array}{ll}1 & 9 \\ 1 & 2\end{array}$ | $\begin{array}{ll}4 & 6 \\ 3 & 11\end{array}$ | $\begin{array}{ll}11 & 6 \\ 0 & 2\end{array}$ | ton |
|  | barrel | ${ }_{0} 13$ | 01 | 0 1 | $\begin{array}{ll}1 & 1 \\ 0\end{array}$ | 3 0 | 30 | 100 harrels |
| Turpentite, rowh |  | \% 6 | 010 | 010 | 010 | 26 | \{30 | 100 tierces |
| aplics of - <br> Includink cooper's superintenilence at and delivery | " | 60 | 16 | 16 | 16 | 26 | (1)6 |  |

landing and delivery.

Petroleum.
Inding, wharfage, housing, ant cooper's attendince at tand-
netand houving and sampling at landing
Heghot or auting at hading
(Mpenallandang (all romend) aderials in adition.)
orbing and turning (on quantity done)
Mint, pet reek
priter by land
and
Frrert by wster from quay or warebouse
The rates are applicable to goods brought in by mineariage.
Hhariage and shipping ineludes rent for three whs (except on bullion, specic, jewellery, plate, If \&e.) from the date of reception, and during eprinel the ressel into which the grods are irped is in the course of loading-any interedate rent being elargeable.
Gools transferred from ship to ship will be lject to rent from the expiration of the three the above mentioned until the date of clearance the vessel into which the goods are ultimately lived; such charge for rent, and for any tructing retowing that may be necessary, to he paid at time of loukring the transfer order.
Goods intended for exportation, but received in d, or ordered to be housed, will be subject to extra charge for housing and unhonsing, with from the date of reception, until eleared for vesel into which they are shipped.
ate-borne gools landed at the request of the fritor, or for the examination of the searchers, be sulject to the charges of lauding and rage, wharfage and porterage.
poisions and stores for the use of the ship's any (not being bonded or drawback goods) pot be subject to the eharge for wharlige or race.
Dock Company take no cognisance of, ner hey be responsible for, goods received into or arged from a vessel in the docks by lighter. - Company do not undertake to lower goods jie hold of a vessel.
sons in charge of goods sent to the doeks for eut must come provided with regular my notes, specifying their mark, quality, and thion; also the mane of the ship, master, ont the goods are intended for; and when for than one vessel, a separate note must be
sent for each. These notes are to be delivered to the export foreman at the respective departments. The duty of clearing grods develves on the propricters or shippers, who are responsible for all eonsequences arising from their not being duly eleared.

When goods cannot be shipped, either from want of room in the vessel, any informality in the document, or other cause, the order of the party in whose name the goods have been received will be necessary before they ean be otherwise disposed of.
Accounts of charges on goods for shipment will be made out at the respective departments where the vessels are loading, and must be paid before the groods are put on board.
The master or mate of each vessel will be repuired to give a receipt to the Doek Company's afliecer for all fonds delivered to his vessel by the Dock Company.

Registers of vessels loading outwards, and where stationed, are placed at the Superintendent's Ollice, Lomion Joeks; Long Room, St. Katharine Docls; Superintendent's Oflice, Victoria Docks.
The rate for landing, wharlare, shipping, housing, unhousing, is, in cach ease, one half the elarge inserted in the column for wharfage and porterage, unless otherwise stated, and is charged on the gross weight of the package, except when it is otherwise specitied.

Table of Rates and Ciahegis on Wines and Spibits (othen than lion) handed in the london and St, liatiamine I bocks.

Wines and spirits (rum and British spirits excepted) landed in the doeks will be chargeable with the following rates:-

The Landiag Rate, which includes landing, wharfage, laying up to gauge and gauging, aceounts. of landing gauges and of strengths of spirits, tirst samples on the quay, warrants if required (but not the stamp upon the same), watching, cooper's attendance at lamding whilst remaining on the quay, and at delivery by land or water trom tho quay:

Wines and spirits will be allowed to remain on the quay, subject to a weekly rent, for one
calendar month from the commencement of the ship's discharge, or tirst landing from eraft, after the expiration of which the housing and enser rate will become chargeable.
N.D.-When wines or spirits have been eleared with the Customs, and delivery orders for the same have been louged with the Company wint the calendar month as above, a will be allowed for exeeeding fourtecn ay on payment of the eharge clearing from the qua, vanlt in lien of that for delivery trom the quay.

The eoopering which may ve requisite upon landing, examination, or delivery, will be performed, unless directions are receted be charged proprictors to the contrary,
at the rates heremater Copering Rate-applicable to
The and spirits not eleared from the quay, and also to sueh as shail be previously housed by order of the proprictor-includes eoopering, housing, copper's atterdance at the same, and cooper's superintendence for cighteen months, re-gauging, and sampling at delivepy. Goods chargeable with this rate are subject to rent from the date ofraft, the ship breaking bulk, or first landing fromer eighteen months.

Wines or spirits housed with the Company will not be liable to any additional charge for coopering on removal to be sent to any port or place in the United Kingdom within six calendar month from date of limal gampims, but will be chargeabe responsible for defi-
The Company wh spirits imported in casks not ciencies on wincs or spirits exceding 20 per eent. made of oak, overproof; hut anose contained in other easks quantity, on the Company, beyond e e gallon per housed with ear or part of a year, the goods cask, for eacn in their custody, provided such shall rema be claimed of the Company within dedieiencis after delivery and shall be sutissix mont established by the customs' gauge on lambing and delivery.
Contents by which the Denominations of Casks


Wines stored at the Victoria Docks.
Ken' per weck.
 Eetave
5. Surrey Commercial Docks.-In addition to the doeks already described, which are all on the north side of the river, there are on the soath side the Commercial Docks, in the parisi oh Rotherhithe.

A portion of these decks appears to have exister so long ago as 1600 , and ennsequently many fore the prior to the fortish empire. It then bore the name of io

Dockiny und
(is ong PrsselAter \$ walk, por wivl
 fler I wuek, per week
Luth wath livichs, lirukeng forer ! wedk, yer wiok Veoris diatharking their et "tire Doces, wholly for


Teseels wholly con minis tomage rates, and anderking as folle ceeding $\left.{ }^{\prime} \mathrm{cwt}.\right)$, and nietal
timilar jieces of their absence, but subject to the clast docking and undocking.

$$
\begin{aligned}
& \text { locking and undoching. } \\
& \text { Vesscts partly laden.-For every ton of aools in the i. is } \\
& \text { ship wieks, per weck } \\
& \text { After } \$ \text {. } 1
\end{aligned}
$$

In no ease to pey less than or to lie up:
Vissels coming in the Dicki for 3 werks: Afur 3 weechs, jur wet

Locking and Undocking.



Docking und Culurking-contimned.

|  |
| :---: |
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|  |  |
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|  |  |
|  |  |

Fesels wholly corn laden, in lieu of the preveding tmmage rates, will be charded for docking mind undocking as follows:-


If ach vessels leave the doek without mulondin, rat to commence after one clear day from date of entrance, in addition to the eharge of ducking and undocking.
SB. Vesects laden with tlour, seeds, or oil the are not included in the lasi-mentioned Tille:
Sesen iden with mizel cargocs will be charged the

Touls loating outwards, exeepting those preFowly exempted, will be charged, in addition to be rite before mentioned, the outward rate of 4. per ton register if fully laten; or if partly lean fld per ton on the quantity of goods taken

The on yiunstavets wial the charged on the gross

- tanace per rogster.

The furgoing rates do not include the expense morins, unnooring, and rennvins.

Mechanging Rates on Shiding.



1 Wen veth iimber from dfica or the Fast Iuties, or

wite mang ong or other furniture-wood in log.
Leflushith guna, cotton sect, sulphiur, henp, thax, or
Letantith gua
25

Lidnct minth ice
fity unt irevely with tallow
wien Filh nited carlus, tallow, luemp, tlas, $\quad \begin{array}{cc}0 & 0 \\ 0 & \text { " } \\ 0\end{array}$
good han mivik: carpew, tallow, lump, ilax, ashes, of
Forerery wo nchenp or flax

2den entirely with Roods no prestonsly nemionect,

ending 5 ewt., and melat in pibs, burs, rocts, ylutes, or
inmar pieces
10
vessels have not proper consenictec for harging, or if their cargoes are of extra ension or weight, additional rates will be feu.
Sirrexing ships, for stowage \&e, and furni-hing ,

otice--It is the duty of the ship's oflicer in ge to see that a safe gangway is made on or cyer a vessel, and that it is properly red whenever it is necessary to shift the same ler the moorings, as the ship's ollicer is responfor the safety aud security of the gangway. sneral Information.-Vessels und cralt are
dockerl amd umbered, before and after high water' atcording to circmastames. Deliveries from the warehouses and yards ot the Company, by lanul or water, commenced before four o'clock, aud capable of beine completed betore halt-past tour, will be procected with, if desired.
6. Mill Wrall Dock.-The Mill Wall I ock Compuyy have no pmblished list or charges tir ships or frooils ; but if any person wish to bring into shis rlock rither ships or goods, the manar $r$ is ready to make faromable armmgements for transacting any business, which can be done at the lock llonse Ralway phace elose to the Terminus of the Blackwall Knilway, Fenchureh Strect.
In 1863 a Company was incorporated for constructing docks, warehouses de. in the parish of Battersea, and its powers were extended by Parliament in 186.1 and 1865.
7. Lonlon Port Dues ; Charges on account of Lights, I'ilotuge sec in the Thomes; shipping sec, iff Loundon.-It is lighly lesirable that expert pilots, brilliant lights, and every other means that it is possible to devise, should be affordeal to render navigation safe and expeditions. But to secure thesit alvantases, it is indispensable that the charges on their accomit should be moderate. If they be otherwise, navigators are not untrequently tempted to resort to what are less expensive. though less secure, chamels. This prinoiple hats not, howevec ohvious, been always kept suthciently in view either in this or in other comitries. Huring the latter years of the war, and down to $18: 5$, the charges on account of docks, lights, pilotage $\mathbb{S}$. on ships in the Thames, and most athor British ports, were exeedingly heavy, and would, no donbt, had they been maistaned, have materially injured our commeres. lasteat, also, of encouraging the resurt of foreign shijs to our ports, a contrary policy was adop ${ }^{201}$; the charges laid on them being usually about donble thuse laid on British shijs. This regulation was intended to promote the employment of the latter; but, as it led to reprisals in other comntries, its real inthenee is believed to have been quite different; while, by triving away foreigners, it injured the trade of the comitrs, ind preventel our ports from becoming, what they are so well titted to be, the emporimes of the worid. We are eqlat. however, to have to state that the circmantanes now alluded to have been materially, or rather wholly, changed. In 1825 the varions dock monopolies expired: anel a very great reduetion has since been made in the charges on aceount of the docks, which, as alrady seen, are now very moderate indeed.
Ex: 1 sive of the dock duties, ecrtain port or tomage duties were imposed on ships frequenting the port of Londun, by the Aets 39 Geo III. c. 69 , 43 tien. III. c. 124 \&e. partly to pay the harbourmasters, provide mooring chains de., and partly to ereate a fund for the improvement of the jort and in particular lor defrayiug the cost of making a navigable canal across the lsle of Dums. Hut this ramal having been sold for 120,0001 to the Wrst India Dock Company, under the 10 tico. IV. c. 130, and the smms advanced by the public for the improvement of the port having heen repaid, it was judicionsly resolved to reduce the port duties to the lowest rates capable of defraying the necessary expenses. This was effected ly the 4 of Win. IS. c, 32 , which imposes the following tomatse dutics on vessels in the port:-

1t Class.-For every ship or other vessel trating coastwise
Intwren the port wif London or :ny port or place in firea
Mritain, Ireland, the Orkneys, Shethatd, or the Western I land
of ficon, hal, there sball he paid for every voyage in ond out of
the said port





 Brase thall we paid her every Ae. as albove


 phace within the ballic sia, there shan be pad for erery Aes. thithas-For every ship ide. coterige Mwarly or claaring


 ns ahare.
Sin Class.
 (within the Meilitrranein), or any country isfanil, port, or Mare within or burturine ous or war the Meliurrawiw ur




Excemptions.-Ships of war, and slips the property of her Majesty or any of the Royal Family. Any vessel coming to or going coastwise from the prort of London, or to any part of Great Britain, unless such vessel spail exceed 45 tons. Any vessel bringing corn coastwise, the principal part of whose eargo shall eonsist of corn, Any lishing smacks, lobster and oyster bonts, or vessels for passengers. Any vessel or creft navigating the don:-

Account of Charges that uerc P'ail on a Ship of ubout 480 Tonw (from Chinu) Entering and Immathen

 nould be l'aid by a Ship of 1,000 Tines muder the like Circumastanees.

| Itepartin <br> 'Tomage <br> Pilutiges, |
| :---: |
| WHaterin <br> Towage |
| Trinity li |
| Ramogate Hack tu |
| Eintering <br> 'Tonthaze |
| Trinity li, |
| Hamsgate |
| landuct |
|  |  |
|  |
| 3tm. - |
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ward
Iteparting at Custom-house
Tomage duty. *d. pur ton, and entiy, ss.
C iraverad to lospsion
Waterin in aschethe with beats \&e.
Towage from Mouse to Gravesend

Ramkate dned, id. prr toas -
hock duen, the per ton: discharging tea, $9 d$. per ton :
Eutermin thip out at Cutom thous
Eintering ship out at Cutom foust -
Tontinge duty, \$d. per ton, and entry, ss
 hamsgate dues, 3d. per ton
ande, lonton to lownst 15 feet -
lowage (depending en distanel)
invedo:e, 1s. ld. per ton, tak 11 on board
Wem. - The charse for tonnage entry fy usually 3 s . dion rent after 4 weeks, from date of entrance if the rargo the diveharged by crew, and from final date of discharge if the cint dis hared hy the botk Company, hid. pur register tun per wedk. per regitert ton. Dischurging cargo, 9d. per rygister tos.
 dehth-- Whould the vessel call at Suthampton, as extra chirge is made of but. per ton;


| Arrivils $=$ <br> Tlearances 'Total | : |  |  | Sailing |  | Steam |  | Tinal |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | : | - | $\begin{aligned} & \text { Vessets } \\ & 9,1515 \\ & 3,3 n 1 \end{aligned}$ | $\begin{gathered} \text { Tony } \\ 1,1,3,781 \\ 399,912 \end{gathered}$ | $\begin{aligned} & \text { Vouls } \\ & 1, y, 741 \end{aligned}$ |  |  |  |
|  | . | . | - | 16, 149 | 1,525,693 | 5,493 | 2, $\mathbf{H}^{2} 5,6,671$ | 81,612 | 4, 131,54 |

Amount of Shipping \&c. belonging to the Port of Idredon.-Aecoriling to the oflicial aecounts, there belninged to this port on December 31, 1866, 2.558 sailing vessels; of these, 1,718 , of the aggregate burden of 814,906 tons, were reapectively above fol tons register, while 810 , of the aggregato burden of

28,248 tons, were respectively under 5 h man? gister. There then also bilonged to the por io steam vessels, of the burten of 305,591 tons 19 1819 the gross customs duty eollected in the pro of London amomtel to $7,719,4633$ : in 1 wit amounted to $9,431,8541$; and in 1858 it bad in
crcaretl to stamting the revern $\mathrm{i}_{5}$ Xew l'o alipping a conemutrato truly said to May Luer prt Charges on e the l'ort same slate,
creasel to $11,460,0881$ ！while in $\mathbf{1 8 6 6}$ ，notwith－ tanding qreat reductions and remissions of chaties
 in New York and Liverpool，so vast an amomit of shipung ted in any single port．London may be muly said to be unitersi orbis terrarum emporium． May her prosperity be as lanting as it is great！ Cluryes on a J＇essec af E00 Tons Register，entering the I＇ort of Lomblon in Bullast，and l＇acing in same state，brimy in Dock a Fortuight．
Reporting at Custow-1luone

$$
\left\{\begin{array}{l}
\text { Reporting } \\
\text { Bilotager, }
\end{array}\right.
$$


 forme per apreement）．

 bd．pee ton yer wer，yd．per wa．
juithas（same an un haarid on enterinet）．



Clearming out


Pithage ublject to reduction of \＆if tow isl ly stenn
Charges for thallanc．［Hal fâr．］
Common taylas：delliserel in the rlver
Whablet
Hearug bailat with port
rivir
rimming ballast（at juntrort mort
$:$

The ollowiog tabuar statemerjts will nerve to ilhatrate the prorress of the foreign trade anil narigntion of London ：－
In drcomnt of the Number und Tonnaye of＂＇Veswels matring the Port of Laulon trom Firreign Parts， with Caryms and in Bullast，clistinguishong betuceen British und foreign Sliips，in the undermentioncel Fears，from 1700 to 1866 inelusice．

| leass | Braish |  | Fureign |  |
| :---: | :---: | :---: | :---: | :---: |
|  | shis | tons | nhips | tons |
| 1：00 | n． 319 | 881， 110 | 仡 | 76，49\％ |
| 15 | 1，998 | 594，1023 | 181 | Silendi |
| 17\％ | 4，254 | 4，31，91910 | 1，116 | 149，464 |
| 10 | 2， 141 | $419,3 \% 1$ | 1，186 | 1．99，4，3， |
| ${ }^{1}$ | 2， 4,518 | 47x， 10 ） | 1，193 | 158 1019 |
| ${ }_{\text {Wars }}$ |  |  |  |  |
| $1 \mathrm{x}(1-1)$ | 0 Thetir |  |  | 1，293，857 |
| 小紷 | 3，134 | 635，2．99 | 8.56 | 182，619 |
| 1203 | 3,989 | 20，${ }^{5655}$ | 1，4， 3 | 3120182 |
| 14，30 | 3，9111 | 741，429 | 1，264 | $40{ }^{2}$ |
| 1833 | 3，780） | 7111，2．5 | 1，0．57 | 185，843 |
| 1437i | 3，45 | 7\％2\％46 | 1，165 | 4．55， 8 75 |
| 1837 | 4，010 | 821，3x | 1，517 | 2411，13，5 |
| 1835 | $4{ }^{\text {reb }} 6$ | 8：3，985 | 1，767 | 277，902 |
| $1 \cdot 53$ | 4，580 | 9858.467 | \％ 23.3 | 357，163 |
| 140 | 4，517 | 931，66\％ | 2，2\％1 | 3，51，456 |
| 1841 | 4，612 | 1994，\％59 | 1，249 | 317，6018 |
| 13t2 | 4，767 | 1，002，4．53 | 1，6i11 | 281，4188 |
| 1843 | 4 4，${ }^{1818}$ | 1，0424，350 | 1，6，33 | 205， 21 |
| 1814 | 4， 41 | 1，0414， 16.3 | 2，141 | 353，316 |
| 1115 | 5，12．3 | 1， $1193,3 \times 8$ | 2，434 | 393．104 |
| 14.6 | 5，2428 | 1，131，646 | 2，143 | 391，531 |
| 184， | 6，291 | 1，136，986 | 3，1．32 | 491，791 |
| 1815 | 6，449 | 1，357，064 | 3，0；8 | 432，111 |
| 1894 | 6，9，323 | 1，445，319 | 3，047 | 415，20．5 |
| 160 | 6，999 | 1，0， $6,11.4$ | 3，415 | 5524，2．51 |
| lkil | 6，593 | 1，14，343 | 3，748 | 720，969 |
| 1 S 5 | 6，1128 | 1，3，30，711 | 3，9，58 | 7＊11，116 |
| ${ }_{18,3}$ | 6，261 | 1，5y 4,219 | 5，5418 | 1，069， 531 |
| IN3： | 6，151 | 1，6，4，231 | 4，942 | 1，1113，589 |
| ［153 | 5，745 | 1，928， 197 | 4，043 | 812.059 |
| 1586 | 6，161 | 1，649， 423 | 3，738 | 115，8671 |
| 183\％ | 6，570 | 1，804，851 | 1，189 | 1，045，253 |
| 1735 | 6，901 | 1， 888,466 | 1，364 | 1，073，（118 |
| 1854 | 6，368 | 1,738903 | 4，101 | 1，039，791 |
| 1860 1861 | 6，340 | 1，828，911 | 4,857 | 1，152，140 |
| 18 l | 7，113 |  | 1，298 | $1.8517,076$ |
| 1163 | \％101 | 8，287 58.58 | 1501 | 1，953，919 |
| 1361 | 8.041 | 4，206， 113 | 1.11 | 1，067， 3 （19） |
| 1463 1686 | 1,313 | 2，442，749 | 4，291 | 1，163， 113 |
| 14 m | 2，401 | 2，463，429 | 3，818 | 1，011，259 |

Acrount of＇the Qumatitics of the l＇rincipal Articles Injportet into Lomdon in $18 t 6$ ．


The ralue of the inporis into the port of Loudon in ordinary years considerably exceda double the in ortmary years con
value of the esports． Bullast at the Port Ships from each.


Accont of the Quantities and Vahus of the Principul. Articles, the Produce of the Cuitd Livg Fxported from London in 1866.

| Accornt of the Quantitics ant |  | Exported from Lomton Articles |  |  |  | Quanuites | $\frac{12}{i}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Expor Articles |  |  |  |  |  |
| Articles |  |  |  | Drugs and chemical pro. | value | " |  |
|  | cwts. | 319,517 | 1,770,083 | Earilheware and yorce: | packages | $\pm$ | 䊽 |
| Alkali : Sola : | value | 91,420 | 119.611 |  | liarsels | $\cdots$ | 1,3429 |
| Apms and anmmunition? | ${ }_{\text {nns. }}^{\text {nis. }}$ | 8 8, 8 2, 3 , 312 | 1,24, | filase of alt kindis malliner | ry |  | \% |
|  | parrels | - 36.1042 | - | liandwares and cutiery, | " |  |  |
| yeer and ale * : | cwete | 5,365,016 | ${ }^{1937}$ | of all wort | \% | ,63i |  |
|  | tors | 14,631, 6.45 | 1,472,124 | Leathed tansed, wwrought \% |  |  | \% |
| Coter |  | 476,406,516 | 10,699,861 | Wrought stdidery al |  |  |  |
| Cotson manufactures: | yards |  | 359,015 |  |  |  |  |
| Plece kiry and amall nlo |  |  |  |  |  |  |  |

Frports from London, 1866-comtinued.

| Articles |  | Quantitics | Value | Articles |  | Quantitles | Value |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Anten yarn ${ }^{\text {a }}$, | lbs. | 7.6.38,e91 | $\underset{394,600}{\boldsymbol{E}}$ | Painters' colnury <br> Paper (eseecpt hankiaga) | valun cwt | 12.318 .3 | $\underset{\substack{x \\ 312,62]}}{ }$ |
| Limen manufactures: | yards | 11,683,427 | 581,187 | Sill fere | tome | 113,11 | 18, 141 |
| Piecters, tapes and | value |  |  | Silt, thrown, anil yay | lim. value | 216,141 | S3, 312,298 |
| mmall wares millwork | value | $\because$ | - $219,62.3$ | Spirits, Mritish ant 1 rish | galtons | 307,402 | -10, |
| Machinety and minwort | " |  |  | Sugar, relined | cutas. | 93, 414 | 113,945 |
| Mether pria, bat, bolt, | tons |  |  | Woul, sherep and laming Woolle" und warsted | bs. | 3, $466^{4}, 697$ | 313,460 |
| wite aindrat | " | 72,-i24 | 6 6 ,, 245 |  | " | 217,200 | 30,513 |
| of all other | " | 8:,077 | 1,178,860 |  | yirus | 3,567,177 | -15,20x |
|  | , | 1,4is | 19,36, | Worstel mad mised |  |  |  |
| Cople, liteo wrought | wt. | 32,1023 | 117,453 | Frantis, catiets is | " | 41.613,415 | 2,181,579 |
| vart wrought and wrought |  | 219,610 | 1,103,512 | Hlowiers and ether | " |  |  |
| Lead unwrontht |  | $\xrightarrow{19,191}$ | 4,30,5,397 | All mher articles | value | " | 195,406 |
| Tin, unwronght |  | IAT, | 10, $10 \times 1$ | Atotal teclared real valu |  | .. | $\begin{array}{r}\text { 6. } 214, \times 08 \\ \hline 11,119,797\end{array}$ |
| mil, seed plat | gallans | 4,108,143 | 656,0153 |  |  | - | 11,119,797 |

1f. Solthampton Docks, Shifing; \&e.
Southampton, at the embonchure of the Itehen, an the J , side of the large inlet of the sea called Suthamp,ton Water, "pposite to the Isle of Wiath, let. $50^{\circ} 53^{\prime} 59^{\prime \prime}$ N., long. $1^{\circ}$ g. $1^{\prime}$ W., may bercgardel as one of the outports of the metropulis. It is situated about 70 miles (direet dispritis. W.S.W. from Lomion, the jonrney between then being pertormed by means of the SouthWestern Lailway in from 2 to 3 hours. SonthWajem Water afforise entrance at all times of tide, and scoure anchorage in all weathers to any numbor of the largest merchant ships, being completely protected from the seas that would otherwise be Viglto its natural breakwater. Ships resorting bthis port, er anchoring in Spithead Roads, or in be chanol letween the Jsle of Wight and the aialand, may get to sea, in almost every wind, pitheomparative facility. ITence it is usual for Giys from London bound fur the Mediterranean, foias the West Indies, or America, to touch at Cow, opuresite to southampton Water, to take ford pa-sempers, who thus avoid the lengthed and diflicult mavigation romed by the Forehds anl Beachy Head, while at the same time fare all hut certain of being immediately able froced til their volage; and hence, also, thamjton is the station of the mail steamers Alesadria, Intia, C'ape of Cood Hope, New hand and Anstralia by lanama, the West Les de, latterly, too, the great natural adatars of its sithation have been, and are in couse of being, most materially improved. chand of the Itehea has Dren deepened; docke connected with it lave been com-
cted on a large seale, and with esery suitable
mmonation, by the Dock Company incor-
ted in 1830.
edocks are excavated on a tongue of land rising abont 125 acres, close to the terminus e South-Western lailway. The first consists opea doek or basin containing 16 acres water It has a depth of 18 feet at low water gs. the arenge rise of the tide being 13 feet; f hay-frontare extends to 3,300 feet, and it is 4 pidel by extensive bondel warehonses, 4. shods, and cellars.

- second or close doek (the first of a series ed to comprise three others of still larger ions) contains a water area of 10 acres, a average permanent depth of 28 feet water. farrounded, like the open doeir, by bonded ases, shells, vaults, and numerous cranes. as, on lines from the aljacent railway ds, run to and from the quays, alongside the ships are berthed. In the open dock powerful sheers, tested to the weight of

50 toms, for the shifting of boilers or other heavy machinery, for masting ships de.
Attached to the wet doeks are threo large graving or dry docks of the following dimensions, viz.:-

I, ength from gates to head 1anglh on blocks -
Wepth of watcr over block:
Scip arilinary springs
Large ships of from 1,000 tons in the smallest III to $2,0,0$ tons in the largest of these docks can be docked and undocked with a facility unknown in most other ports.
lour steam engines are employed in pumping out the water from these graving docks, the engines each raising 120 tons of water per minnte.

Tides at S.mothrmpton.-TThere is a double high water at this port, the knowledge of which is most important to the mariner. The first high water at the full and elinnge of tho moon is at $10 h .30 \mathrm{~m}$, the second hich water nt $12 h .45 \mathrm{~m}$., and low water nt 4 h. 'The rise at springs is 18 feet, and at neaps $\checkmark$ feet. To shifs using the graving dorks this double tide is very nelvantageons, as the water remains nearly stationary for 2 hours ; thus, without risk, allowing vessels to come nut of dock, and others to phter, without losing a tide.
'Ihis clouble high water is protably caused by the tide at Spitheat ; for as lons as it rums stronir to the westward, the water is kept up at Sonthampton, and there is no fall of consequence until the ide hegins to slack at Spithead; lant when the tule makes to the castward at that point, the water talls rapidly at Southampton.
After low water the tide rises pretty steadily for 7 hours, giving the first or proper high water; it then ebbs for an hour about 9 inclies, at the end of which time it again commences to rise, and in about, it h. reaches its former level, and sometimes higher: this is called the secom! high water

The following are the charges at the Dry Ducks:-
Rates to be Churged for every Ship or Vessel on the Gross Tonnage.
For each working day (not exceeding 1fin) tons), $1 /$.
The day ( 21 himus) to ernd at noon, and each fractiunal part of a day to be echarged as one day.
It lies exclusively with the Doek Company to determine into which of the three docks a vessel shall bo taken; and, with a view to the general accommodation of all parties requiring the use of the dry doeks, it is ordered that no ship be allowed to remain longer than fourteen days in either of the dry docks, muless under special agreement.

DOCKS N.B.-No blip will be allowed

In addition to the forcgoing rate per will be ceupation of the dock, charged as follows, viz.;For locking, punpinf, and slure ropes, saw pits, uso of stager, shores ande:umithy, and piten


In the casc of extra pumping being required In the eapaill or owners for the sake of Caln, by the eaptalitionul charge will be 5 inches thick, patel, an the same, not execeding per inch addiand fiximg the samecting 5 inches, per ind tional ©is.

The following Special Charges to be praid (awer Tred in addition to the firefoing 3 -inch, 3 s ; caps split out, if $\frac{3}{3}$-inch, es. Gar cartion.
4 -inch, s. ; and so on in prog or hanging the ship,
For shores ent, in acording to injury.
1s. to 2 s . ©d. each, aecorts shop, lock up warehouse
The use of the joinets (with copper milhite
countint house and shen regured) to be charged for in
marhine when rople 10 s , per day,
lior the use of the steam-kilu, heating piteh, to
 naltar
nd Class. - Any other port
hent, for ev
half a were ithis ld, per regiter ton, and will be cnilled to
Rates for Discharging Curgoes by the Company.

Aggregcte Amount of Tonnage which enterd argoes, consisting of the whole or in part of sugar in hogs: If 9
 Cargoes, con-tsting of sugar ing, ar chests under Cargoce, cong ship. cooperage in bags, matr, ar che hides, to Cargoes, comsisee, cotton, rice, tra, cont, press-jackell kixh, or $6 \mathrm{cwt.}$, coree, hax, hemp, or firs, seeels of all kist, cases, resin, turpentine, aned in casks, biles, betopp, copper ore
 spelter, nteel, iron, tead, or oner and
plates Cargoes, conssting blax and hempy or graln, and all descriptions of seeds and grain, seed cake, in bulk a wool, in billets deals, phanks, staves, and for every ${ }^{8 .}{ }_{6}^{d .}$
Bhe gurm wood, or latg delisered
load dellisered yood or maxts, then 06
If partititional for reery load delivered, adif partly of pine or hir delivered ditional for every load ton filling into bays or , in Iron tankiting of guina, erewing bags or bast ets
Cargoes, cons in shlp's hold, and surge the whote or the greate part of Note-Vessels which uschail be sulject to sumpany.
their cargoes into lik the shipowners and the comparis in an sulhesive
 Separating nuch ared for entra.
tate, wirge upon excess
No charge connage. vessefs are dischasged by to work on hoard,
When whe direction , wist may the hired of the comp tut they shall be under the owners of 3 acsist may per day for ear hman; that or representallate and sesponid or elther.



Photographic Sciences Corporation

## CEANTT <br> (0) [T]

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# RIVERS IMCRESEY ANID 

## 



## N1D D 家





London,Longman is co.


$4$




Thero are no town dues whatever on merradise.

## I. Livenroot

ad Binkenitead Docks, Suiping de.
The rapid rise of the port of Iiverpool to its esent enasequence, though no doubt principally ing, like that of the town itself, to the astomish1fincrease of manufactures and population in the fersive district of which it is the grand emrium, is also, in part, owing to the facilities that re been given to narigation and commerce by e construction of its wet and dry docks. The trance to the estuary of the Mersey is a good crensumbered with sand-banks, nnd the eliannel ter spring tides, where deepest, it has at low d as the tide rises 21 ft , at neap, and 31 ft . at ing tides, there is water for the largest ships: channels, too, being well indicated by lightrese and li difht-shipss, and marked with burn:s, re is to difficulty in making the port. In fact, ce the opening of the Victoria and Queen's quarter flood.
the bar
nut the land around being low, ships in the er arcesposed to risk from gales of wind; and ir lasding and muloading, the docks focilitate tructed, which constitute the prent have been fovn. The second wet dock in the glory of pirewas constructed here under an Act (8 Anne 2) passed in 1709, and another about hane, tury after, since which period, and especially ate years, many new docks and basins have a constructed, some of which are on a very minicent seale, with entrances capable of adbithed with all sorts of co of 100 feet, and $t$ sted with all sorts of conveniences. The If to to more the docks in use in 1867 amounter ns to more than 19 aeres and that of the cearmous extellt of acres. The quay space is ce enormous extent of above 16 miles. The dry
5 contain a total length as 1 feet.
re docks are derental
by a sea-wall aboved 5 on the side next the bra sea-Wall above 5 miles in length, which,
take into nceount the mation, will be found to be olties attending okks of modern times. It averages greatricknes, and 40 feet in height fromes 11 feet rs; all the more modern part being faced sooch granite. Every precaution is taced erent the accumulation of mud in the docks ruies, efforced by dredging-machines; and fices, eaforced by vigilant police, are estabfiepredation. docks aro
ent to the 'Mersey ded on property be${ }^{3}$ in in whom is vestey Doeks and 1 Iarbour naged sulely for the benetit of the, whieh sume this result, the benctit of the public. ters, of whom 24 are chosen consists of 28 theast 101, each a-jear dock dues, and who 4 memes pay $25 i$, each of said ducs. The 4 members are nominated by the conservaUuminalterse the Chat is, by the First Loord of ater, and the Chiencellor of the Duchy of ater, and the Chief Commassioner of Woods venience.
and Forests for the time being $\quad 529$ 1858, 1,451 dock-rate payers being. There were in they only have a voice payers on the register; and the dock affiairs. (Baines's Liverplnistration of (9.) Whenever there is any congpol in 1859, p. revenue after providing for currenterable surplus the interest of money borrowrrent expenses and the reduction of the dock rates , it is applied to other warehouses do not, how, The bonding and long to the doek estate, but awever, generally beprivate property. Most of the for the most part, mediate vieinity of the of them are in the imconsiderable distance; and bith bome are at a respect the sume accond there is not in this eases, the same security arainstation, or, in some in the Liverpool as in the londond depredation, tho warehouses being in the London docks, where, foods are loaded aul built along the doek-quays, possible facility, and uroloaded with the greatest cient protection. latterly been a But in this respect there has numerons and destructive fires enent. For the took place in private warehouses ich formerly the adoption of certain warehonses have led to management, which have pront rules for their that no tire of any consequed so effectual several years, any consequence has occurred for on goods lolged in we premium of insurance cordinf to the establishel onses conducted acreduced from 3j̈s. per eat regulations has been per cent, on certified wareh. per annum, to 4.5 . management, and to $3 s .6 d$ per under private warchonses.
por cent. on dock
side of the river, which corn warehouses on either ain from 300,000 to 400,000 large enough to con In 1866, 12,622 vessels, $\mathbf{4}$, quarters of grain. tons, entered Liverpool. with a burden of 4,749, 128 completed at lidston; and new observatory was in 1865 by the Weaver a sea wall, commenced Was completed in 1866 . Navigation Company, finished in 1867. 1866 . Two new docks were Liverpool has
and four landing stagritirons of 822 lineal feet, which is 3,347 f feet.
The halt tide
culaneum estate were completel ans on the IIeruse on Mareh 16, were completed and opened for
And in addition
parties, warehouses be those belonging to private on the London plan, bonging to the Dock Trust, quays of the Albert Dock, been built round the Wapping Dock \&c. All the docy Dock, New open sheds for the thl the dock quays have alongside the ships, some of deposit of goods magnificent structures. And besides are really are also upon some of the dock besides these, there Prince's Dock, Nelson Dock dock quays, as in the transit sheds, of one store \&c., what are termed and perfectly secured, into which shitially built, discharged with unusual which ships can be being removed to the proper widity; the goods
ses at con.
this is efficeted and by the serventips.-In London dock companies, whereas ints of the different where the London system in Liverpool, except fected by other parties under introduced, it is efthe $9 \& 10$ Viet. c. 109 , which a plan introduced by answer extremely well, which has been found to the master in his belhalf, The owner of the ship, or as the labour to accomplish thads the eargo; and a variety of circumstances, suelject depends on of the cargo, the magnitude such as the nature proximity to the magnitude of tho ship, her gulated necordingly. The \&e, the charge in is reglipowner or master to makectice is for the M Make a special agree-
ment with a master porter, or lumper (as he is commonly called), to execute the work. 'There are, however, in certain trades certain standard rates to which the terms in agreements asnally approach. Thus, $\{$ Calcutta genano 20l. of 750 tons would be dischargedilar extent, for a tea cargo from Chim, United States), 12 s , per 16l, \%ole, , colo (ton \&c. \&c. After the goods are delivered from the ship, it is the duty of the principal eonsignce of the cargo, or if he decline, the second and so on, and failing them, of the shipowner, to receive them on the quay, and to dispose of them in the warchouse or otherwise as may be necessary. The work so undertaken is paid for according to $n$ fixed and moderate tariff.

Ballast.-The descriptiond of ballast most commonly in use, and adopted respectively, according to the nature of the cargo, are-


and the charge for loading (iacluding trimming in the ship's hold), and also for landing, is about $8 d$. per ton, each way; in, and from, 'ordinary ships in a proper berth.'

When a ship comes to port in baliast, she gets comparatively little for either stono bullast or copper dross. Indeed, when the supply of the former is plentiful, which it frequently is from so many cotton ships frequenting the port, the dealers will hardly take it away for nothing.

Vessels discharging in the Albert, Stanley, or New Wapping Docks, are supplied by the dock trustees with the temporary use of iron kentledge on the following terms; viz.-

For the first 2 weeks, including shipping and receiving back, 1 s , per ton.
And for cvery week thereafter, $2 d$. additional.
Any deficiency to be paid for at the rate of 51 . per ton.
There is commonly so ample a supply of dry stone ballast here, that sand ballast is hardly ever used, except by coasters, who load and unload it themselves.

Birkenhead.-Vast as is the accommodation afforded by the docks of Liverpool, it has beein greatly increased by the works undertaken nt Birkeuhead. The latter is situated in the county of Chester, on the west side of the Mersey, (anrectly opposite to and about 1,200 yards distant from Livernool, of which it should be regarded as a suburb, or as forming an integral and important portion. Its population, which amounted in 1811 to 8.233 , had increased in 1851 to 24,285 , and in 1861 to 51,649 . This increase appears to have taken place partly in consequence of the dock and other works commenced there, and partly in anticipation of their progress. And it is not to be denied that from the contiguity of Birkenhead to Liverpool, and from the nature of the soil, it otfered many ndvantages for the construction of docks. Wallasey Puol, a creek or inlet of the sea, extending over about 130 acres, has been formed into ${ }^{2}$ gigatutic wet docks or floats-one containing above 52 and the other above 59 acres, with various subsidiary docks and basins, embracing, in all, a water area of above 165 ncres, with a quay space extending to between 10 and 11 miles. Birk enhead also contains 3 graving docks, with a
the other found manafacture, ha as powerful in th pool as in the mi exports large qu distriets of Staffio from the Potterie soal districts. four-fiths of Kingdom and tho purl; and she las south America a carties on $n$ cons Indies and China, is surpassed by L products of Liver port, in every pa merchantmen.
la her carlier d part in privateerin neted with the al Biafra. But the es previously to 1807 at now; and Live he established in it ith zeai and perse fi, till it has beco n proof of this sta nat in 1866 no fewer
1, worth $1,579,385$ eest cmast of Africa nd that of these, 4 to Lirerpool. W portunity of ment antities of Princip
Received into an Receited into an
December 31, 180 ans; and in that year, as already setho applied for and obtained an then her progre con of $a$ wet and in the accumulation of walds population, has been quite extraorlinary: not, however, difficult to discover the came the nll but npparently miraculous propte Liverpool. Much must be ascribed to the prise, sagacity, and persevering industry merchants; but she is, no doubt, mainly ind for her rise and the vast magnitude of ber merce to her fortunate position, and, abore the increase of manufactures in Manchete ot her towns in the contiguous district of Laver and West Yorkshire.
The situation of Liverpool necessarily to her a principal seat of the trade between Britain and Ireland; and as the populatits trade of the latter increased, it could the proportionally to increase the trade on th the gradnal filling Chester as a harbout sequent decline of Chester as a little advantage to lir also proved of her the great mart for the Nontwich, and other places in Cheshire portation of which to forcign parts emf great amount of shipping. Unquestionaly ever, Liverpool would never have attain half her present size or importanec but cotton manufacture. Being the port 4 which Manchester, Oldham, Bury, Bulto ton, and other great seats of manufactuf most conveniently obtain supplies of material, and export their manuffetured p she has iucreased with every increase on it department of industry; and it is a feration to allirm that the creative intr the wonderful inventions and discovelies greaves, Arkwright, Crompton, Cathry
the other founders and improvers of the cotton this sort, not so much on aecount of the credit the other fare, has been, thongh not so difrect, quite which it retlects on the enterprising luncrmanuractul in the doeks and warehonses of Liver- chnnts by whom the trade has bech established, pool as in the mills of Manchester. Liverpool nlso as beeause it will, if anything enn, introunco peolarts large quantities of iron from the mining civilisation nmong the blucks, and impress them
exp exportets of Stafforishire and Wales, of earthenware with a just sense of the advantages of imhustry om the l'otteries, and of coal from the adjoining and commerce.
rom districts.
Liverpool is the greatest purt, not in the four-fifthe of the trade between the United Kingdom and the United States centres In Liverporil; and she has a largo share of the trade with Nuth America and the West Indies. She nlso Indies and China, though in this department she is surpassed by London. Indeed, the ships and products of Liverpool are to be found in every port, in every part of the world accessiblo to merehantmen.
In her earlier days Liverpool took an active part in privateering, and was also largely connected with the slave trade from the Bight of Bifra, But the estimate formed of that trade mreviously to 1807 was very different from what it now; and Liverpool has made the best rearation possible for the part she took in it; for the established in its stead, and has followed up ith zeai and perseverance, the trade in palmiil, till it has becomo of the first importance. in proof of this statement it is enough to suy pat in 1866 no fewer than 785,751 ewt. of palm1, worth $1,579,385 l$, were imported from the est mast of Africa into the United Kinglom; ad that of these, $476,374 \mathrm{cwt}$. were imported to Lirerpool. We are glad to have an portunity of mentioning a circumstance of

United Kingrom only, but in the worls, fir the shipment of emigrants. The mumbers of emigrants from Liverpool during the three vars $186 \overline{0}-67$ were $121,109,123,414$, und $11 \frac{1}{6}, 7107$, out of totals applicable to the United Kinardom, for the same years, of $209,801,204,8 \times 2$, and 105,953 . The great majority went to the United States.
The principal imports into Liverpool in the year $1866^{-}$re as follow :-

| Aricles |  | Quantities |
| :---: | :---: | :---: |
| Cocom | lbs. | 2,824,323 |
| Cotice . | - ." | 9,211,422 |
| Corn dnd meal | cwt. | 9,460,472 |
| Cotton. - |  | 11,299,094 |
| Thanest and dressell hides | lis. | 1,197,145 |
| Jatin oil | cwt. | 4,76,374 |
| jrovisions. [Enos.] | " | 1,1437,900 |
| Hice - | " | 1,247,319 |
| Saltje're | " | 656,x 1 |
| Pepiner | *ibs. | 2,781,413 |
| Spirita - | gailons | \%, 387 , 171 |
| Sugar - |  | 2,(k) |
| Tea. | lbs. | 2,747,617 |
| Tohnero |  | 19,6\%3, 12 |
| Wine- | - gallons | 1,162,31. |
| Wool. |  | 58,268,117 |

The export of enttle, sheep, and swine from Ireland to Great Britain, the estimated value of which, in 1866, was $8,193,0181$. (see Thom's Almanach for 1868), is carried on to a grent extent kantitits of Principal Duty-paying Articles Imported in Warehouse on December 31, 1865; Receired into and Delivered from Warehouse in 1866; and Remaining in Warehouse on December 31, 1866, at the Port of Liverpool.

east prenonderance of Livernool in the taken from the comprehensive and valuable trade will be obvious from an exami- tables published by Messrs. George Holt and Co., I of the following statement, which is cotton brokers:-

Imports of Cotton Wool into Liverpool in Packages, 1866.

Account of the Entries and Tonnage of Ships in the Licerpool Docks，and of the Anount of Duck Dues，in each Fear from 1851 to 1866.

| Year ending ${ }_{\text {dune }}$ | Foreign Trade |  |  |  | Consting Trade |  |  |  | Runcorn |  | Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sailing Vrserls |  | Steamers |  | Sailing Vescels |  | Steamers |  |  |  |  |  |  |
|  | Duantity | Value | Quantity | Value | Quantily | Value | Quantity | Value | Quantity | Value | Vessels | Q ${ }^{\text {a }}$ | Value |
| ${ }^{1831}$ |  |  |  |  | ${ }_{6}^{\text {6．0ns }}$ | ${ }_{10,595}$ |  |  | ${ }_{\text {178．}}^{\text {tons．}} 169$ |  |  |  |  |
| 18. |  |  | 188\％\％ 18 | 11，6714 ${ }^{1} 58$ | ${ }^{615675}$ |  | 1， | 18， 138 |  |  | 21，013 | 3．912，${ }^{\text {a }}$ | 14.6045 |
| cisk | ， |  | 189,101 <br> 23,595 <br> 8.59 | 11,986 19 <br> 11,$6 ; 4$ 16 | 617，247 | 9,943 11 <br> $9,6 \times 0$  <br> 1 10 | 1，104，034 |  |  |  |  |  | ${ }_{1 \times 0,823}^{157,242}{ }^{7}$ |
| ${ }^{1 \times 55}$ | $1,4,6,989$ $2,16,193$ |  |  | cis．106 |  | 9， $11 \times 1046$ | 1，194，463 |  | ，1＊1，295 | \％92 | \％w， | ＋，096，160 | 100，066 12 |
| 1857 | 2， | 119\％\％为 118 | － | ［15，974 | 615，97\％ | $\begin{array}{r}9,932 \\ 20,102 \\ 10,16 \\ \hline\end{array}$ |  |  |  |  | \＄n， $2 \times 66$ |  | 193．539 18 |
| 1493 | 2， | （10， | Sys， | Si， |  |  | 1，213，635 |  | ${ }_{1 \times 1}^{1 \times 8.102}$ | 301 96 | 边 | ， 41.913 | － |
| 3，${ }^{1}$ |  | 119，917 | 319．564 |  | 572：688 |  |  |  |  |  |  | 4， 411, |  |
| 14.1 |  |  |  |  | ${ }^{3}$ |  | ， |  | cents， |  | 迷 | 4，9\％：ziv |  |
| 1 | 边 | 116， | －59， |  | 594，6ty |  |  | 20， |  |  | － $40.2 \times 8$ | 4 |  |
| ${ }^{18}$ | 1， | 110， 11046 | Sitivi\％ |  | 59 | 9， | 1．201．1．3\％ | 95， 115 |  |  | 21， | ， | \％31，946 18 |
| 1,16 | 8，05，sis | 119，915 1080 | 1，211， |  | － 564,513 |  | （ | 23， | 边 |  | 21，413 | 4， |  |

It is extremely difficult，or rather，we mimilh say，quiceimpossible，to form any correct estimate of the total amount of tho trade of Liverpool．Ia 1866 the renl or declared value of the produce ant manufactures of the United Kingdome expirtel
from the port to forelgn parts amountel to from the port to forelgn parts amountel t，
$87,186,49-\bar{l}$ ．，as aeen in the following statement．

Account of the Quantities and Valnes of the Prin－ cipal Articles of Britiah and Irish I＇rouluce fs．
prortcul from Iiverpool in 1866，with the twad $V$ alue of the Eixporta，nnd the Amount of Cutu
Dufy collected at the Port in the same Yeur

few of these articles, her trade being principally in the forelgn trade of Liverpool is now consilerarticles of direct consumption, as sugar, tea, coilee, ably greater than that of Itholon. IIer exports wing \&c., on which dutios are paid. This cir- of the produce of the United Kingdon, an alrmady rumsatue necounts for the comparatively large seen, amomited in 1866 to $8 \overline{7}, 486,49$ ill, wherens thannt of the customs resenue received in the the expurts from London durling the same year latter. Thete camot, indect, bo any doubt that amounted to only $41,149,797$.

Acount of the Number and Tonnage of British and Forcign Ships that cleared out uith Cargoes and in Bullast from the P'ort of Livergool in 1866, specifying the Countries for which they saileri, aml the Sumber for corh.

rivals and Clearances Coastwise of Sailing and Steum Vessels at the Port of Liverpool in 1866.

|  |  | cauela |  | eseris |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Vexils | Tons | Veacels | Tons | Vesiela | Tons |
| : | 3,46 | 3 $316,3,4 \times 9$ | (3,76 | 1,1,86,926 | \%,065 | 1,6iv, 1.978 |
| Tout | 8, 801 | 6770,318 | T,113 | 2,451, 34 | 13,619 | 3, 182, iovz |

he above, sbout half are supposed to be ships between this great emporium and other Brid in the lrish trade.
of Packets,-Few things have conduced the progress of the trade of Liverpool, and tish and forcirn ports These sail to almost al parts of the world. Besides no fewer than 5 great parts of steam packets which maintain a regular intercourse with New York and Boston, in the gulat communication by means of packet United States, and IIalifax, Nova Scotia, Qucbec,

## DOCKS

and Montreal, there are pream Orlems, und Hohile. bedmint, dixe of the North American lines, thet
 The rates of pat "ag" in the modation repuized; pourse, apeording to the neme tukely at fom $1 \times 1$, to lint in guneral they may lot mosena, for the ennd, gid. fir the las. and at litione arge to Halifax

 to New bork priy from about 30s. to bols, per tom carried by the It is mot too much to say that butasurane . these lines romern perm the vorages with ncet int the worli, ity
Sut notwithatanding the numbers nud the magbitule of the stam-ships caployitl in the American tride, its increase has becn sumberons extentimmes to aftred emplogects. The ships of sone Nive lines of sailing packets. twiee a week, of of these lines suil rurudarly fork; and those of oftener if repuired. for New for Baitimore, l'hilaothers sail at atated periots for hat wheh aro tirstdelphia, and New Orkens, 1,500 to 2,500 tons class ships vorying form buit mul ownel. But hurden, are mil American by stecrage passenger, they are mostly resorted to York for from 31, to $1 /$. whio are caried to New York highest class of They are rarely used by tho highest chas they passuluger, and seded by steamers.
are lor fitermediate and steerage passengers, the ship supplies provisions \&e., the minimum being the seale indicated by the lassengers forming varying according to circumstances, and forming part of the bargain for the passage. The passe Weat Indies, ('entral Ameriea, Chili mel Pera, .to Wralin aud other romute parts; and to the hadri tralia, and other rerlan, Antworg, Ilavre, and bero llamburg, lontiertam, Som, anil Caliz; the par deaux; to thorto, lasboin, anul Fromer, and the and somith coasts of Shan andy of the Dedive shores of ltaly, ant the d'irevs, Constanimorle,
 Syra, Anyrma, Anaters, all tescriptims of seo to the regular traters, very large size, are cono sels, some of them and leaving the fun form stantly arriving at ander war or remote. Th and for all parts, whether noar orly weedus trade with America, however, greatly exeembtas: with any other quarter; and next to the Brition, the thig of the United states is by far the ouse prevalent on tho Mersey and in the dock Liverpond.
it may nlnost le said that the Chand is bridged over by lines of stean-packets ita Liverpoel to Londenderry, Melfist, Dublin, Hism Cord, Cork, and other Irish ports; white otha dives maintain a constant intercourse with $b$ Clyde, Bristol, London \&c.; and in additioa Clyde, bristo, tho Channel trade affords emp. the stenr to tho inmense number of the smalletios of sailing vessels.
Dock Dues on Ships - All vessels catering wards, or clearing outwards, at the port of bis pool, pay for Dock lintes and hats amount The dock rates and tonnage to $191,80: 1.3$ ow
the year sonded June 24, 1808, to
 Clawi-All parts in South Ameriea, so the east ward of the Cape of Good Ilope

All vessels arriving at or clearing from the said ath the said rates from or for the most distant port or place from or for whie parts in baltrade; but vessels arriving from any parts in and last do not pay dockage on entering inain in ballast, should such vessels proceed to sea are due, with the then only half of the dock rates are cargo outwards whole of the lights; but taking a carg. subjects such vessels built in Liverpool are subject N.13.-New vessels builties on the lirst outward only to hal clearance.
loating Light at the Entrance of the River Mer--Towards this light the following rates are sey.-Table:-
payable:All vessels bailween Duncan's Bay Ilead and the port or place bet the west side of Great Britain, and between Malling Head and
between Malling Head and
side of Ireland, $\frac{1}{d}$. per ton.
eertain pewers of tho boart to miticate the same. And in whlition thereto, if permitted to rounin therenor, se as, fit the juds. neit of the hartenter manter, dock master, or tralle munager, to be an wbstructlon to basiness. the consignee will heur a pemalty of $5 \%$, and the boaril or their oflecers may warchouse mind sell the georls.

Vessels damaging any of the works of the beard may be detained until damage paid for or deposit maile.
l'enalty for offering brites to dock officers and on the latier for receivieg the same, som. ench. (N.13.-lf eltarer of the partien piving or neeppting such bribes shall, before procedings are commenced, give Information and discovery of such offence, he will be excitsed from the peralty.)
No person to assault, rexist, obstruct, or innpedo any dock ofleer in the execution of his duty, or alisobey his lawful orders, or use abusive or othinsive languare, or aid or incite oillers to do so. sive fangmare
l'enalty, 10!.

No ballast, ashes, or other bulky substance, or rubbish, to be thrown Into the river, or any of the sea chamels, or from any pier or gray. l'enalty, 10 .

If any vessel shall loal or diselarge any portion of her earro, without the previons consent of the board, in any part of the river north of an imapinary straight line from Hock Ferry Slip to the southera basin of llarringtom lock, the master or owner of such vessel will be liable to pay to the board double tonnage and lock rates; and it such vessel shall afterwards enter the dockx, Nie will bo further liable to the usnal tomage und other rates.
lersons wilfully or carelessly injuring any lightship, beacon, or buoy, landmark, lfeloatheuse, or lifcooat, will incur a penalty of $20 l$., and be moreover reguired to make good tho damage.

No vessel to be made fast to buoys other than mooring bnoys. Penalty, 201.

Timber alone to be placed on land exelnsively appropriated for timber. Penalty, 5s, per hour.
No timber to be discharged into doeks withent consent of harbour master: penalty, 101 . And if so dischurged by consent, and not removed within $2 \cdot 1$ hours afterwarls, there is it further penalty of $5 s$, per hour.
Owners of timber permitting the same to remain on the quays or timber dépot berond the time prescribed by the bye-laws after the same has been passed by the Customs officers, wilt incur a quay rent of 5 s . per hour, and 10 s . per hour, respectively as nbove mentioned with respect to other geods left unduly on the quays. Note.-The tine now allowed is prescribed by bye-law Ne, 97.
The board are authorised to sell any timber unlawfully laid on any quay or other place, or which may remain beyond the time within which the same is required to be removed.

As to the use of fires and lights on board ships in the docks, the follewing penaltios are also imposed, viz. :-

For using a fire or light on board any vessel in any dock or basin not set apart or appointel by the board for that purpose, $100 l$.
For using a fire or light on board any vessel in a dock or basin set apart or appointed by the board for that purpose, but in a manner net autherised by the bye-laws, 201.
For disobedience to any order given by an offieer of the board, or by any police constable or watchman, for extinguishing any fire or light used in contravention of the bye-lnws, or for obstructing an officer in boarding or searcling any vessel for fires and lights, $10 l$.

For smoking tobacco or other substance within any shed, warchouse, or doek, or on any pier, or on board a vessel in any dock, 51 .
No aqua-fortis, oil of vitriol, or other goods of dangerous quality, to be placed on any quany unless distinctly mirked as such outside the packnge, and without giving notice to the doek officers. Pennliy, 20l. And if such gools nre not removed both from the quays and vessels within two heurs after notice from the dock efficers, there is a further penalty of 201 , for every hour such goods \&e. remuin. And if not so removed, the board may remove them at the eost of the owner. And such hoods must be watched from one hour before sunset to one hour after sunrise by the owners of suel goods or the master of the vessel : peualty, 5l., and the boardmay watch the same at the owner's expense.
No persons to bring gunpowder into any dreek or into ressels lying thercill; and no masters of Fessels havirg gumpowder on board to sutier such vessels to be brought or lie within the buoys moored off the docks, or within 300 yards of any dock or pier. Penalty, 1001.
The board are empowered to appropriate two places on theic estate, on each side of the river, at which gunpowder may be landed; and the places at present a:lowed by this Act, and by the byelaws for the regulation of gunpowder under the Act c: 1865 , for shipping or discharging gunpowder, are-the slip at the north side of the entrance of Toxteth Doek; one berth on the south side of the Harrington 3asin; the Pier Iread, outside of the Egerton Dock in Toxteth Park; the Magazines landing place at Bromborough, and the Ferry Slip at Trannere; and by the 8 th bye-law for the regillation of gunpowder, quantities not exceeding 2 2) lbs. in weight may be embarked from the north end of the I'rince's Landing Stage on notice being previously given to the stage master.
Her Majesty's ships are exempt from the above prohibitions as to grnpowder, but any person claiming such exemption without being entitled to it will incur a penalty of 10 .
Persons falsely claiming to be linble to harbour rates only, will incur a penalty of $50 l$.
Masters or owners of vessels neglectiug or refusing to pay harbour rates will incur double rates and a penalty of $20 l$. in respect of each refusnl.
Persons not making a true report as to a ship's destination on paynient of rates will incur a penalty of 10 .
Masters or owners of vessels estering and departing in ballast, not leaving the collector's certificate with the doek master, will incur double rates and a peralty or $20 l$.

Masters of vessels refusing to produce books sc., or giving false answers to the collector of rates on goods, will incur a penalty of $10 l$.
Masters or owners of vessels and goods evading or neglecting payment of dock rates will incur double rates and a penalty of 201 . in each case.

Masters or owners of importing vorsels not signing and leaving at the dock office, within fourteen days after discharge, a full and accurate list of all goods imported, stating the quantities and distinguishing the nett weight and contents of such goods (according to the bills of lading), or the numes of the persons actually paying the freight for the same; and the owner, charterer, consignce, broker, or agent of every exporting vessel not prepariug a full and aecurate list of all goods so exported by such vessel from the bills of lading and freight list thereof, and not signing and leaving at the dock office within fourt een dnys after clearance a correct transcript
of such list, distinguishing therein the names of the several shippers of such goods, according to the bills of lading, will iucur a penalty of $\mathrm{N}, \mathrm{l}$, in each e.se.

The penaltics under Secs. 261 and 262 apply equally to principnls and clerks or servants,
Masters of vessels giving false answers to dink officers us to the dimensions or c'raught of wate. of vessels going into the graving dock, of divis any act therein by which the draught of sted vessels shall be linereased while in the gravi. doek, will ineur a penalty of 101 , and be liable to all damages to the board consequent thereupen

Masters of vessels to be answarable for tha acts of their crew or persons amployed about such $\because e s s e l s$, but mny recever from such persons penalies incurred by their default.
Persons cutting or defacing any mooring rope or clatin, or injuring any buoy, buoy-rope ut cable belonging to any lost anchor, will inete peualty of 101. and be required to pay the anouat of damage.

Pilotage Rules and Regelatiogs,
Any person aeting as a pilot in the port Liverpool, without a license, to forfeit 201.
Pilots refusing to conduct ships, or assist thify in distress, to forfeit 10l. and lose their lifeuse.
No coasting vessel, inward or outward bonoded the burden of 100 tons or upwards (unless she th in ballast), is to refuse a pilot, as the master" owner \&c. must pay the full pilotage if on i offered. No vessel is deemed a coaster unlesi in has been 6 months in that trade, or sailel tat Liverpool on a coasting voyage.
Masters of vessels forcibly taking pilotg bera the limits of the port shall pay a forfeit adi ceeling 201 ., nor less than 51 .
liluts misbehaving to lave their liense : enlled; and if they act nfterwards, to be liavit' the same penalties as if they were not pilats.
That the master or commander of pary thin vessel inwaril-bound to the port of Liseppy which shall be liable to pay pilotsge, shal coming within the pilots' stations, displar a keep tlying the usual signa? for a pilot tots on board, and every master or conimader n shall omit so to do shall forfeit and pay arss not excceding 5 .
Masters of vessels inward or outward-boul fusing to take the first pilot who offers, liable to full pilotage.
Kewards for pilots assisting ships in distrat be settled by the pilot committee.

Compensation to bo made to pilots for ${ }^{3}$ vessels out of port which have been fored to to be fixed by the committee.
Every master to give the pilot s true aow of the draught of his ship, and pilot authonis admeasure.

No pilot to be allowed to lay a vessel apo without a written order from the master orome penalty $5 l$.

Every master sending a pilot to take cherg a vessel exceeding that for which he is liues exceptling in casea of necessity, slall be ind sum not excceding $5 l$.
Second-class pilots are limited $\%$ vesel exceeding 500 tons, and 16 feet draught of $n$
Third-class pilots, formerly 12 feet, are lif to pilot vessels not exceeding 250 tons rggisa 12 feet draught of water.
In consequence of a practice now too pror it appears that persons not licensed, but reprem ing themselves as such, are in the habito of charge of vessels as pilots: it is camestrim nuendel that masters of vessels demaad dit
anns
chatge of s only in license. When it boseding a shuuld be s the vards $b$ under the loaril.
Stations o the turn to hag at the $m$ in accordance Amendment The two we to the nort nid westher Find as the M The thind and of Joint lay pass tho rither eastwar rmshead bears The fourth we eastern limit til Talargoch Ir-land) bears $S$
The fifth, or fir twasd, so as to t Lightship.
$k$ Rates to be $\gamma$ Liverpool from vasturise from Alderney, Surk Colonies, Planta

Articles
und porter : butt, pipe,

tilderkin, s, 6 tog don. | under 3 dor. cax. |
| :--- |
| un |

 American
Aulasian
Blart sea Blact sea
in jow lages or liales
ing to meiot tub, liti, 0

3, or ground bones, lom
treaher :
creats or bags

Me nsh, or ground bon
sind weighing st re.h
diry
ury and shipping:
anns so representing themselves as pilots to take The sixth, or second IIoylake boat, to take charge of vessels, to produce their lieense, which pilots fr'm vessels outward-bound, and to supply is only in force 12 months from the date of such pilets to all vessels to the eastward of a line from license.
When it blows so strong as to prevent the pilots martiog a vessel with their sinall boat, the vessel mand be steered with the wind on the quarter, the varls braced by, when the largu boat slieers under the lee quarter, and the pilot jumps on buari.
Stations of the Filot-instio., -The boat having the tum to board displays a large red and white the at the mast-head by day, and exhibits lights in accordance with art. 8 of the Merchant Shipping Amendment Act of 1862 .
The two western boats ernise off Point Lyrata, of to the northward and enstward of it as wiad ond weather may permit, and as far to the westand wa tho Mididle Mouse, and to the eastward ntil lricstholm Island bears S.S.W. by compass. The third western boat cruises to the eastmand of Point Lenas, to board any vessels that hay pass the first and second boats, but not mithe eastward than the vest end of Great rother eastruar bears S.S.W. by compass.
The fouth western boint cruises as far west as
The fouth western bont cruises as far west as
e eastera limit of the third boant, and cast ward tiil Talargoch Chimney (on the west end of the r-land) bears S.S.W. by compass.
The fifth, or first Iluylake boat, cruises to the stwatd, so as to be within 5 miles of the Norththe Point of Ayr to the Bell Beacon of the Itorso Channel.
The seventh bont follows outward-bound vessels, to receive their piluts, and bring them to Liverpool.
N.B. The pilot committee recommend to the merchants \&c. that when a pilot conducts a ship or vessel into the port to their satisfaction, the same pilot be employed to take the said vessel out again; but if he shonld be absent on duty, thas one belonging to the same boat be employed.
The Liverpool Piots' Committce.-This bonrd composed of some of 'hi first shipowners of the port, formerly acted unde a special Act of l'arlinment, but sinec January 1859 they are under the Consolidated Mersey Docks and llarbour Act; and their proceetings are submitted weekly, for confirmation, to the general board of the Miersey Docks and llarbour.
Liverpool Life Boats.-The dock trustees have established 5 life-boat stations, viz. at Liverpool, on Waterloo picrhead, 2 boats; Magazines, 2 boats; lloylake, 2 boats (lloylake 1 boat, Hilbre Island, 1 bont) ; l'oint of Nir, 2 boats; Formby, I buat The crews of the Liverpool and Magazines boats consist of a master and 10 men cach; the boats on the other stations have a master and 12 men. The entire establishment is well conducted and eflicient.
sk Rate to be paid on the Principal Goods, Wares, and Merchandise Imported into the Port of Lirerpol from Foreign Countries, or British Colonies, Plantations, or Scttlements; or brought (basturise from Ports or Places in the United Kingdom, insluding the Islands of Jersey, Guerasey, Alderney, Sark, and Man; or Exported from the said Port to Fureion Countries and Britiah Colonics, Plantations, or Nettlements. (Extructed from Table in use 18iss.)
their license is, to be liable? re not piluts. der of ony shis port of Liverpy piens, displas or a pilot toes r commander $r$ $t$ and pay ury: outward-bound
who offers, ships in dittrat tee. to pilots for tis c been forced
nilot a true was
d pilot authoied

## ${ }_{t}$



DOCKS
Dock Rates \&:c.-continued.

N.B. Books containing a complete list of the art.cles chargel with dock rates may be had at the docks for a mere trifle.
In compiling this article we have derived considerable assistance from the claborate work of Mr, Thomas Baines, entitled A History of the Commerce and Ton'z of Liverpool, publisheu in 1852; and from Liverpool in 1859 , a smaller but very useful work of the same nuthor. But we have been indebted for the most valuable part of our information to communications obligingly sent us by some of the inost intelligent merchants belonging to the town.

1V. Bhistor، Docks, Shippinc, etc.
The city and seaport of Bristol is situated (lat. $51^{\circ} 27^{\prime}$ N., long. $2^{\circ} 3 \bar{j}^{\prime}$ W.) on the river Avon, at about 61 miles above its junction with the Severn, or upper part of the Bristol Channel.
The great range of tide peculiar to this locality enables some of the largest class of sailing vessels to come up the river to the town. Formerlv vessels took the ground at low water; but to obviate the risk and damage frequently arising from this cause, an undertaking was projected and carried out by a private company between 1804 and 1809, by which about 3 miles of the then tidal river running tlirough the city was converted into a floating harbour, a new channel for the tide being cut to the south of the town. Tho harbour or dock thus formed comprises about 55 acres of water space available for large vessels, while the total area floated and kept at one level is obout 130 acres,
The area of watershed supplying this large float by the river Avon and its tributaries is upwards of 800 square miles. These docks are provided with two lalf tide basins for the temporary accommodation of vessels entering or leaving the port, viz. Cumberland Basin with an aren of about 4 acres and entrance locks 54 feet and 45 feet wide, and Bathurst llasin with an area of about 2 acres and entrances 36 feet wide: there is also a single lock for barges and small craft bound inland.

The public quays occupy a length of about 2,000 yards, while the total length of frontage
available in that part of the harbour approme to masted ships is about 7,000 yards. The in shed accommodation on the public quays hasited been much inneased, and a system of trud sheds for bonded goods provided, which mit facilitates the unloading of customsble god
Ship building las alvays been earried ont fair extent in the port, and there are sevenicit venient graving docks, heaving-up slip torit repairs.
The docks of Bristol have been siace 188 property of the city, the corporation of rifis with a view to giviag increased accomodin to larger steamers and to improve the arigi in the river, huve obtained an Act of Parlim giving them power to provide larger and dung entrance loeks at Cumberland Basin, and th move some of the most objectionable inith bends in the river. There are alse raikng course of construction down both the nidi left banks of the river, terminating at Anation or landing stages at the roadstead at Kiage A private company has also obtained anda the construction of a new dock near the in mouth.
Bristol early posseszed and contianestoces large share of the trade with the West H Among her foreign imports the most inat are sugar, timber, grain of all sorts, floufit hemp, hides, oils, tallow, tea. tobacce, dire brandy, wine, rum \&c.
The exports consist priacipally of the pew of the various manufactures of the citr, cmand refined sugar, brass and copper artick of glass, earthenware \&c., with iroa, salt, ad culm the produce of the neighbourhad: cotton, linen, and woollen goods, Brited o on an extensive and growiug trade with in from which she imports corn, butter, baxa, toes, cattle, horses, shcep, pigs, salmon th sends in return tea, raw and refined sugul, wrought iron, tin plates, copper, glas. mi leather \&e,
The imports coastwise consist mostrow tin, coal, salt, agricultural produce andiontif duce brought from other ports under bond ${ }^{\prime \prime}$

The e. prowtuce and the steam con and pasen an! has le that part Bristol h the empire by steam w are by the frmed in 18 importance beth chictly res with th The arragy raras eulini, ibace of Liver In liest the art. $9009 .-a$ bul adrauced II $1 \times 5 f$, while amunted to 91 to 3,62:,057l. Bristol in 1866 the edief cruses thes compari excess of local
dues haring been other of the large mo doubt too mue circumstance in ress of the trade the rapid rive of ther seaport town ess of their port drantages they in aring become the ting districts, I repool is a conse dordinary growth er rise has been de the rise of Manel hi how, wer, it is n Bristol uras seri bes that were fo ag fryquating he harmg been mit ced since 1835, (c) and the charge remardable for th This important refos Lucal det II \& ded the property of sayemputiy to th coasequrn in the Co of the rates, ships par tos of doek due paid ls, aow pay 6 a.son pay td. per lo observe thal outirands hare b as regarls exports,



Dues on Goods \&re.-continued.


Dues on Goods §.c.-continued.


Dock dun and riarfage--All goods not particularly rated to pay the same as goods of the like value, description, or package.

efollowing is an account of the various port other eharges which would be incurred by a dues being takea at the highest rate :-



 $\begin{array}{lll}19 \\ 10 \\ 88 & 9\end{array}$

 funt inter wims



eof the Dock Dues on Tonnage and Coods ristol during each of the following Years a April 30 .


Pilotage,
For every Licensed Pilot who navigates a Shid or Vessel.

From Lundy to Kiagroad.

| $1 f$ | 80 and under | 100 tona | - | - |  | ¢ 3 $\mathbf{3}$ $\mathbf{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1701 | 200 " | - | - |  | 44 |
|  | \%(N) | 3110 | - | - |  | 5 \% |
|  | 3100 | S00\%" | - | $:$ |  | $7 \%$ |
|  | $6(10) "$ | 800) "\% | : | : |  | 48 |
|  |  | 1000 | - | . |  | 9 |
|  | 1000 tons and up | pwarda - | - | - |  |  |
| From Combe to Kingroed. |  |  |  |  |  |  |
| 1 | 80 and undee | 100 tons | - | - | - ${ }^{2}$ | ${ }_{2}$ |
|  | 100 | \% 2010 | - | - |  | 1 i |
|  | \% | 304 " | - | : | $\bullet 3$ | 10 |
|  | 3010 | 500 600 | : | - | -4 | 14 |
|  | $60 \%$ " | 800 | - | - | - 5 | 14 |
|  | n00 | 1000 | - | - | - 6 | 6 |

From Minchaal to Kingroad.


Defreen Portishead, Kinermad, Iungroud, Broail Eill, and Cumbere lund Dasin or Dothurst' Basin.

| If under 80 tons 80 and under |  | 100 tons |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| $\underline{20}$ | " | 3013 |  |
| 300 | " | 514 |  |
| 500 | " | 610 | " |
| 8011 | " | 8109 1000 |  |
| $80 \%$ 000 10 | and | $\begin{aligned} & 1000 \\ & \text { pwards } \end{aligned}$ |  |

$\vdots$
$\vdots$
$\vdots$




Account of the Number of Ships and their Tonnagp, distinguishing betu'een British and Foreign, u'hich have Entered Intards at Bristol with Cargoes (exclusive of Corsters) during each of the following Years ending Jun, 5 and Dec, 31.

| Year | Britiah |  | Foreign |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ending | ships |  |  |  | ships | tons |
| 1814 | 315 | 76, 3 \% | 8.3 | 5.278 | 3.11 | 8.3,669 |
| $1 \times 1.5$ | 346 | 72,532 | 56 | 9,782 | 4112 | 81,911 |
| 18.14; | $3 ¢, 0$ | 82, 2.37 | 69 | 11,254 | 129 |  |
| 1817 | 3.31 | 89,205 | 11 | ?, (x)1 | 372 | 97,106 |
| 1418 | 405 | 96,618 | 46 | 7,923 | 4.51 | 104,516 |
| 1819 | 42.3 | 16x,750 | 119 | 15,590 | 511 | 121,346 |
| 18.51 | 477 | [17],568 | 169 | 22,424 | 616 | 129,992 |
| 1851 | 461 | 99,134 | 261 | 38,208 | 724 | 137,642 |
| 18.58 | 4.31 | 96,711 | 231 | 14, $\times 68$ | 665 | 139,582 |
| 1 CO 3 | 42.3 | 90,675 | 208 | 4,064 | 6.31 | 134,73] |
| 1851 | 432 | 95,26] | 311 | 75,933 | 776 | 171,131 |
| 1855 | 110 | 109,745 | 205 | 30,661 | 645 | 160,406 |
| Ending lee. 31 , |  |  |  |  |  |  |
| 14,35 | 400 | 87,505 | 170 | 41,511 | 570 | 129,016 |
| 18.56 | 439 | 106, 670 | 31 | 6, 3,3819 | $6 \%$ | 172, 1150 |
| 18.57 | 4116 | 98,975 | 241 | K6,747 | 6916 | 1850762 |
| : 858 | 154 | 105,372 | 394 | 93,547 | 816 | 199,119 |
| I\% 99 | 437 | 104,615 | 3.53 | 97,975 | \%90 | 202,620 |
| 1860 | 5106 | 127,953 | 390 | 105,722 | 896 | 2.33 .681 |
| 1861 | 517 | 131,113 | 3.5f | 131.968 | 873 | 266,081 |
| 18192 | 519 | 136,666 | 437 | 130,249 | 9.56 | 266,955 |
| 1863 | 536 | 1410,935 | 439 | 1115,317 | 975 | 246,292 |
| 1ヵ66 | 431 | 126,621 | 372 | 105,354 | 866 | 231,976 |

Account of the Number of Coasting Vessels and their Tonnage, distinguishing those employed between Great Britain and Ireland from other Coasters, which have Entered Invards at Bristol during the following Years.

| Year | Between Creat Hritain and I reland |  | Other Coasters |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Finding |  |  |  |  |  |  |
| Jan. S. | ahl ${ }^{\text {as }}$ | Pona | ${ }_{5}{ }^{\text {sips }}$ - | tons | ahips | tons |
| 1411 | 490 | 85,978 | 5,3.36 | 28.1,513 | 3,526 | 370,495 |
| 18.5 | 5.17 | ${ }_{\text {88,668 }}$ | 6,220 | 348,311 | 6,376 | 476,979 |
| 1846 | 308 | 103,793 | 5,3,31 | 290, 54 | 6,012 | 39, 317 |
| $1 \times 48$ | 404 | 85,147 | 5,881 | 305,752 | 6, $2 \times 15$ | 3 90,929 |
| [819 | 111 | 92,558 | ti,263 | 341,511 | 6,674 | 420,069 |
| $1 \times 50$ | 4.38 | 95,156 | 6.176 | 333,593 | 6,614 | 424,749 |
| 14.51 | 388 | 96,457 | 6, 1161 | 3248,540 | 6,149 | 414,997 |
| 1852 | 339 | 75,754 | 5,754 | 513,722 | 6, 0143 | 349,176 |
| 1853 | 352 | 7.4,145 | 5,106 | 303,604 | 5,758 | 377,747 |
| 14.54 | 122 | 84, 114 | 4,480 | 267,259 | 4,902 | 351,373 |
| 1855 | 172 | 99,399 | 4,510 | 295,219 | 4,982 | 304,618 |
| Ending Dec. 31. |  |  |  |  |  |  |
| 18.55 | 457 | 91,691 | 4,753 | 305.896 | 5,210 | 100,587 |
| 18.96 | 483 | 98,569 | 4,646 | 277,114 | 3,149 | 373,64,3 |
| 1857 | 559 | 108,802 | 1,4.46 | 257,377 | 3,015 | 366,179 |
| 18.54 | 614 | 118,000 | 5.135 | 304,048 | 3,749 | 422,048 |
| 18.99 | $6+1$ | 126, 1762 | 3,974 | 351,318 | 6,615 | 477.110 |
| 1861 | 655 | 130,329 | 6,194 | 343,137 | 6,849 | 473,666 |
| 1861 1862 | 619 524 | 137,713 108,237 | 6,094 6.483 | $3.85,261$ 350,229 | 6,743 $7,(\mathrm{~N}) 7$ | 473,074 462,466 |
| 1863 | 519 | 142, 6.31 | 6,476 | 351,880 | 6,595 | 494,511 |
| 1864 | 617 | 141,329 | 6,034 | 3.53, 147 | 6651 | 191,454 |

Deelared Value of the Exports of British and Irish Produce and Manufactures, with the Customs Duties at the Purt of Bristol, during each of the following Years.

| Year | Exports |  | Duties |
| :---: | :---: | :---: | :---: |
| Ending |  |  |  |
| Jar.t. | $\boldsymbol{z}$ | ${ }^{2} \cdot{ }^{\text {d }}$ | ${ }^{5}$ |
| 1514 | 18x,529 | 120 | 996,750 |
| 1816 | $1.50,883$ | 196 | $1,007,8.32$ $919,1+9$ |
| 1847 | 161,359 | 48 | 919,314 |
| 1848 | 167,481 | 117 | 1,004,789 |
| 1819 | 147,014 | 1710 | 1,036,733 |
| 1850 | 221,964 | $17 \quad 10$ | 1,012,319 |
| 1851 | 962,486 | 311 | 1,051,891 |
| 1852 | 275.599 | 06 | 1,104,695 |
| 18.53 | 307, 710 | 0 O | 1,040,250 |
| 18.5 | 659,745 | 00 | 1,194,106 |
| 1855 | 632,67. | 00 | 1,288,387 |
| Ending |  |  |  |
| itec. 31. |  |  |  |
| 1855 | 393,173 | 0 0 | 1,112,169 |
| 1836 | $465,83.3$ | (1) 0 | 1,902,930 |
| $1 \times 57$ | 5,6,411 | 0 | 1,411,035 |
| 1858 | 1215 512 | $\begin{array}{ll}0 & 0 \\ 0 & 0\end{array}$ | 1,295,55.59 |
| 1859 | $3.37,267$ | 00 | 1,243,549 |
| 185.4 | 361.812 | 0 0 | 1,219,111 |
| 1 NbI | 203,198 | 00 | 1,3.36,293 |
| 18 tiz | 213,542 | 0 O | 1,317,177 |
|  | 215,966 | 0 (1) | 1,1511,599 |
| IS61 | $402 \mathrm{f}^{\prime} 110$ | O | 1,103,000 |

V. Hull Docks, Suipping de.

There are five docks in Hull, occupying, their basins, a water area of $49 \ddagger$ acres, viz.:

|  | Opened for business | Area |
| :---: | :---: | :---: |
| Ofd nox |  |  |
| Homber nock | cke | ${ }^{9} 3{ }^{3} 4$ |
| Munction lork | (ex |  |
| Uutorta Dock | ck - 1830 | 20 |

A timber pond of 9 acres was constructe 1853. A considerable quantity of shipping is accommodated within that part of the river that constitutes the old harbour, which may computed at 10 acres of tidal water. The qi round the docks are spacious, and are entia surrounded with warchouses and deal :a Hull is the principal entrepot of the Baltic ian trade on the cast const of Great 13ritain, and ra as the third port in the kingdom, the value ef exports being inferior only to those from Liter and London; although, from the circunstand lier staple articles of import being subject to duties or altogether frec, her customs reven
smaller than that of less important pors. smaller than that of less important ports. In
her experts amounted to $16,730,711 l$, and customs revenue to 339,4633 .
The following tables exhibit the prinizid tures and progress of the trade of Hill dario undermentioned ycars cuding with 1867:-

| Vear | Tonnage of Shuping (ex. River Craft | Amotint of Bock 1)uties paid | Value or 1lritish liroo duce expotted |
| :---: | :---: | :---: | :---: |
|  |  | ${ }_{30,115}^{\text {¢ }}$ | $\varepsilon$ |
| 18.1 | 761,764 | 34,931 | 10,507, 167 |
| 1845 | 711,038 | 36,245 | 10, ${ }^{2} 94,338$ |
| 1816 | 719,483 | 37,950 |  |
| 1817 | 833,039 | 34,6y1 | 9,534,94] |
| 1818 | 613,908 | 38,925 | 8,183,959 |
| 1849 | 790,831 | 38, 091 | 9,*21, 112 |
| 18.30 | 811,710 | 39,069 | 10,366, 610 |
| 1851 | 827,994 | 38,260 | 10, 03 ,261 |
| 18.52 | 799,866 | 34,961 | 9,913,111 |
| 18.53 | 888,056 850,229 | 36,2122 32,930 | Fromlaor |
| 1855 | 782,411 | 2R, 140 | 121015 |
| 18.56 | 1,176,787 | 40, $2^{\prime} 2.3$ | millions |
| 1557 | 1,043,637 | 40,4,5 | 15,78.4,813 |
| 1838 | 1,086,697 | 40,813 | - |
| 1889 | 1,134,189 | 43,841 | 12,980,59] |
| 1860 | 1,215,403 | 46,857 | $14,358,787$ |
| 1861 | 1,071,937 | 42,344 | 13,949,143 |
| 1882 <br> 1863 <br> 1864 | $1,024,137$ $1,058,107$ | 36,193 33,53 | 11,916,773 |
| 1864 | 1,106,196 | 37,067 | 16,155,398 |
| 1865 | 1, 26, 2,763 | 43,085 | 17,279,4193 |
| 1866 1467 | $1,343,819$ $1,330,202$ | 45,351 44,201 | 16,230,311 |

Tonnage of Steam Vessels (cxelusire of Steamers) frequenting the Pert of Hulfro Year 1838 down to 1867.

| Year | Tonnage of Steam Vessela on Foreign Voyages | Tonnage of Steam Veaselt employed Voastwise |
| :---: | :---: | :---: |
| 1838 | 38,515 | 137,364 |
| 1839 | 44, 5088 | 134,94\% |
| 1810 | 42,929 | 131,903 |
| 1841 | 46,145 | 122,742 |
| 1848 | 36,711 | 124,225 |
| 1843 | 58,083 | 126,801 |
| 1814 | 68.248 | $1.50,412$ |
| 1815 | 67,760 | 132,90] |
| 1846 | 85,305 | 125,414 |
| 1817 1848 | 105,744 94,659 | 131,226 123,970 |
| 1819 | 123,6.57 | 109,5.56 |
| 1850 | 182,134 | 114,754 |
| 1851 | 2(W), 808 | 106,160 |
| 1852 | 193,658 | 111, ${ }^{\text {r }}$ |
| 1853 | 181.943 | 112,639 |
| 1854 | 907,435 | 96,971 |
| 185.5 | 911,421 | 97,917 |
| 18.56 18.57 | 369,509 415,193 | 129,162 |
| 1858 | 421, 2M1 | 162,100 |
| 189 | 386,113 | 155,418 |
| 1860 | 438,2698 43,180 | 165,120 |
| 1862 | 433,180 | 14,6ies I18, 608 |
| 1863 | 441,233 | 129,728 |
| J4ti4 | 471,119 | 126, 016 |
| 1865 | $31+917$ | 134,2666 |
| 1866 1867 | 621,320 $6,36,911$ | 126,966 11.483 |

gipping.-There belonged io the port on ary $1,1867,510$ sailing vessels, whercof 341 be aggergnte burden of 13,161 tons did not, $10^{69}$ of tho aggregate burten of 30,027 tons exced 50 tons each. At the same date there belouged to the port 107 steamers, whereof 1.4 te aggregate burden of 248 tons did not, and the aggregnte burlen of 42,822 tons did, til 50 tons cach.
be following are the Dock and Harbour Dues wie to the liull Dock Company for every aressel trating between the port of Kings-npan-Hull and the undermentioncd ports and (:-

Per registered ton
Wh lo the northward ar Yarmeuth, in Narfolk, or any ${ }^{*} d$. Whouthe couthward of the Iloly lslaud :
nothof the above rates as eppulies to Tetney Ilaven,
ark and Hed
whe ports comprisel within the alsuvo limits parap.ae between tha North Foreland and Shetran the tast side of Eogland, except as above
atel port or piace in in Denmark, Sweden, or Norway, betow anut, es any port or place in Germany, flolland, mondm rance on the end fiemsey and lerey pontorpixe of the Baltic seas, and all other ports pies alcre the sound
Mund, es cort or place in Europe, in the west ward of
?por or place in the West Indies, North or South Enemi, Alicica, lirempland, or ahy place to the eastMrdete Nonh Cape of Norway, All places within atruis of tilhratar, ond alt islands and places in the fore namod - - -
Tr per of place in the Fast Indies, Australla, elil Ints andipicrs in the Pacitic Ocean, the North and whin Pxicic (keans, the Ureat Southern Ocean, the
dian dcent, ind all other places in Africa, Asia, or dian trelon, the astward of the Cape of Good Ilope, and the retwand of Cape Ilorn

1 43

rever foreign ship or vessel (belonging to a not in reciprocity with Great Britain) g to or going with merchandise from any of bovenamed ports or places, double the rates, gh, or duties before-mentioncd, unless the flips belong to British owncrs.
B. One-half of the foregoing rates will be ted under the following circumstances, upon mation in writing being made to the directors, hen they are satisfied that each case is bonâ mid such as calls for a mitigation thereof,

Fessels taking refuge during winter, or in ( rar, in the port, and entering any of the and bains of the Company, and not loadiug charging any part of their cargo other than
Fesesels not bound to Hull, but which may to the port in distress, leaky or requiring reand enter into nny of the docks' or basins, re not taken on board any additional cargo than stores), or discharged any portion of arryo witbin the said docks or basins.
os driven into port by stress of weather, or mp; are not liable to rates or duties unless rake use of the docks or basins.

- rent on resscls, payable only after 10 $\delta$ occupancy of the dock, $\frac{1}{2} d$. per registered week,
lrage rates fixed at a scale, being at an eabout 40 per cent. below the rates levied docks in London, are charged only on such is actually pass over the dock quays eithicr or outwards; and such ra'es are payable ly in respect of the same goods, if in their state. No charge accrues on grods put e into craft, unless for labour actually per; and all work on board ship or upon the may be performed either by the Company or chants, as the latter may elect. No charge e for tiver craft or lighters using the

Depth of Water,-The access to the docks is either from the river llull or from the river Humber. The loek from the IIumber into the Victoria Dock is eapable of ndmitting at spriug tide vessels trawing 28 feet, and at neap tides 22 fect, The width of entrance is 60 feet.
The Water Bailiff dues hitherto payable to the corporation of Hull, on certain goods imported and exported, wero all permanently abolished on Mareh 21, $18 \overline{3} 3$.

## Dues payamle to the Cobporation of llula.

On Vessels entering Inuards and Outuards.
Anchorage.-Alien vessels muter 100 tons burden, $1 \mathrm{~s} .6 \mathrm{Gd} . ; 100$ nad under 200 tons, '2s.; 200 and upwards, $3 s$.

Jettage.-Under 100 tons, 13s. Gd.; if londs out more, 3s. $6 \mathrm{~d} . ; 100$ and under 200 tons, 17 s . ; if loads out more, 5s.; 200 tons and upwards, 1l.; if loads out more, 7 s .

Hostage.-For each pound sterling of the freight invarls, $2 d$. ; and among the officers, per ship, $3 s$.

Ballast.-For each ton taken outwards, 2d.
Freemen are exempt from anchornge, but frecmen as well as non-freemen pay jettage. The charge for jettage is rot made unless with goods landed or taken in at Hull, or within the hnrbour.

British ships pay no hostage, and nothing for ballast.

| Brilth vessels under 45 tons lurden | ${ }_{\text {charage }}^{\text {An- }}$ | Jettage |  |
| :---: | :---: | :---: | :---: |
|  |  | In | Out |
|  |  |  |  |
| 40 and not 45 | 10 | ${ }^{2} 80$ | 1 |
| 45 | $1{ }_{1}^{16}$ | $\begin{array}{ll}2 \\ 2 & 0 \\ 26\end{array}$ | 1 4 8 6 |
| 100 | 20 | ${ }^{2} 66$ | ${ }^{2} 36$ |
| 150 <br> 200 <br> 200 <br> 200 <br> 200 | $\begin{array}{ll}2 & 0 \\ 2 & 6 \\ 2\end{array}$ | 4 5 5 0 | 4  <br> 5  <br> 5 c <br>   |
|  |  |  |  |
| 300 and'upwards | 26 | 6.0 | ${ }_{6}^{6} 6$ |

Dues payabie to the Corporation of Trinity House.
Rates of Sect Pilotage for Nhips and Vessels belonging to Subjects of Great Britain.

| From Humber to |  | $\begin{gathered} \text { Summer } \\ \text { Rate. } \\ \text { March } 31 \text { to } \\ \text { Sept. } 30 \end{gathered}$ | $\begin{gathered} \text { Winter } \\ \text { Hat6 } \\ \text { Sept. } 50 \text { to } \\ \text { March 31 } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
|  | Dawns | ¢ | $\begin{array}{llll}\sim & 2 & d \\ 0 & 18 & d \\ 0 & 18 & 6\end{array}$ |
|  | Nore | 080 | 0106 |
|  | Yarmouth | O 500 | ${ }_{0} 066$ |
|  | Bridingtan - | 030 | 040 |
|  | Stocktan ${ }_{\text {Suaderland - }}$ | 070 | 066 |
|  | Shields - | $\begin{array}{llll}0 & 7 & 0\end{array}$ | $\begin{array}{llll}0 & 6 & 6\end{array}$ |
|  | Leith | 080 | 010 |

Ships and vessels belonging to aliens to pay $2 s .6 d$. per foot in addition to the above rate.
Ships and vessels drawing less than 10 feet water to pay for 10 feet.
Buoyage.-British vessels under 20 tons, $2 s$.; 20 tons and under 30, $2 \mathrm{s}$. . $6 d$; and $6 d$. additional for every 10 tons, Foreign vessels under 65 tons, 11 s . 65 tons and under $135,14 \mathrm{~s}$.; 135 tons and under $170,17 s, ; 170$ tons and under 180, 1l.; and 1s. additional for every 10 tons.
Primage Rates.-The old primage rates of $3 d$. per ton weight or measurement of 40 cubic feet, pay..ble to the Trinity IIouse at Hnll, upon all goots imported and exported, have been reduced to $2 d$. per ton, with the exception of the following articles; viz. coal, coke, cotton, ehalkstone, and salt, the primage upon which is now only $1 d$. per ton.

Dues payable to the Pilot Commissionens ar Iluld.
Sand ballast Is. 2d.per ton, stone ballast 1s. 10d. do.

Rutes of River Pilotage at IIull.

| From or to | To or from | $\mathrm{F}_{\text {Yer }}$ |
| :---: | :---: | :---: |
| The ditance at sen where | Hewite Mosds or Grimshy |  |
| the North News of 34m. | Whauls - |  |
| lington bears weit-moullio | White broth Kingit of Kingaton-upon: |  |
| Kithera North Clitt: | $1111 t$ | 50 |
| The distance mt gkn where | 11.whe Roads er Gzimiby |  |
| west-norith.wert to the | Whielmoth Moads |  |
| viopthward of the New | The port of Kingiton upono |  |
| Mand Iluny or the Floating Linkt Vewel at the enrrance of the liver Jlumber. | thull - . . | 0 |
| Thy saill ncwe Snnd Ilung | Havke nosdi or Grimily |  |
| Vessel at the entrance of | Whitelonth Ronds |  |
| the Ifiver liumber, to the | The jort of Kingsion.upion. |  |
| eastuard of the pmint | Iluil - |  |
| Where the dumin High | Outwards, with cargo |  |
| The St. Spurn 1lith Lughe. | Ilnwire Roadr or (irimsby |  |
| house bearing north-east. | Ihoads - |  |
|  | Whiti jooth Rraila |  |
|  | Thr port of Kingaton-upon- |  |
|  | Whitelonth Moady |  |
| huoy of the flurcoms or | The port of Kingston-uponIfuli . |  |
| Whitebooth Jlaads. | The port of Kingrion-upon |  |

For Detention on board Vessels performing Quarantine.
Yorstif having liritish regliters, or the owners subjects of the ${ }^{*}$
 Fins ne belonging to aliens, per dicilim:
1:ad Jusive of the day on which the vessel shall enter Into guarantine and of the day of her release therefrom.

For Attendance on loard Vessels at Anchor in any of the Roadsteads of the Humber.
For every day of ' 4 hsurs' attindance, per wiem
Masters of vessels from forcign ports who have passed nn examination by the Hull Marine 13oard are not required to employ pilots; and vessels oonstwise aro under ne restriction whatever to engage pilots.
The steam tugs are the property of private parties, who charge rates according to ugreement.
The commerce of IVull depends principally on ber advantigeous situation, and the judicivins arrangements of her extensive docks. She is the principal emporium of the large and fertile counties on the estunry of the Ilumber, and of those traversed by the numerous and important rivers, ineluding the Trent, Don, Ouse \&e., that have their embonchure in it. The naturnl facilities for internal communication thus enjoyed by Hull have been greatly extended by artiticinl means. She is now united partly by rivers and canals, and also by a chain of railways, with Munchester, Liverpool, Slefficld, Leeds, Bradford, and the manufacturing districts on the west; London, and the southern parts of England; the Midland Districts; and Bridlington, Scarbro' \&c, on the cast. A railway has also been constructed between Ilull and the agricultural district of Holderness. She has become not merely the principal port for the East and West Ridings of Yorkshire, but also for a considerable portion of the trade carried on between Laneashire and the northern parts of Europe. Indecd, much of the Baltic trade that once proceeded by the circuitous route of the English

Chamel or north about to Liverpool, now sums short at Hull, nud tinds ita way liy the more certains and expeditioua accommorlation of the railways across the country, A regular and very frequent intercourse (with Hamburg almost daily) is kept up by steam packets with llamburg, Roterdam, Ant werp, Amsterdam, (iottenburg, St. I'etersburg, and other continental ports ; and with landon, Leith, Aberdeen, Newcastle, and other comeing ports. The great articles of export are conton stulfs and twist : woollen goods and woolleayara; iron and hardware; llnens and liaen yarn: earthenware; machincry and millwork; coaly salt, and more recently raw cotton brought frum Liverpool and Manschester, principally for shipment to Petcraburg and the north of Lurope.

Account of the Quantities and Declared Values of the Principal Articles the Produce of the Cnitd Kingelom Exported from Hull in 18066.

| Articles |  | Quantitier | Vaius |
| :---: | :---: | :---: | :---: |
| Altall: ada - | cris. | 1,190 | $\stackrel{L}{\text { en }}$ |
| Apparel ${ }^{\text {A }}$ | value |  | 1.46 |
| Fire-erms (tmall) | nn. | 1,75 | 99 |
| Gunpowiler - | 1 las |  | \% |
| fleer and ala : | barrels | 16,515 | 11.54 |
| Candier, stcavine | CWIS. |  | ${ }^{4}$ |
| Coals, cindera, and culm | tons | 141,047 | 9, |
| Cotton yarn - | lbs. | 44,135,416 | 1,39, 3,5 |
| Pleat poskla. | yurds | 65,331,369 | , 66,53 |
| pruku and shemical products |  |  |  |
| Eirthenware nnd porcelaln | prachi. | 6,113 | 56 |
| Filh, herrings - - | barreli | ${ }^{2} 36$ |  |
| Glass of all kinds | value |  | 16,9\% |
| Habenlashery mid millinery | " | - | 112,64 |
| of alf eorts- | " | - | 666,106 |
| Tunnet, unwrought | cwth. | 983 |  |
| Wrought - | value |  | 1901 |
| Snddleay and harness - |  |  | 1, |
| Linnen yarn manufactures | lbis. | 6,169,973 | 632,1; |
| Piree gouds - | yards | 8,545,661 | 211,1i: |
|  | valua |  | 21199 |
| Machinery and millwork | " | - | 1,413,23 |
| Iron: plg, har, bolt, wire, and cat | rom |  | \$12,23 |
| railrosat | rom | - | 1;4, 10 |
| of all other kinds | " | 27,00 | 119,4 |
| Strel, unwrought | $\because$ | 5.9378 | 1\%317 |
| Copyer, unwrought part wrought | cwis. | 2,940 | 11,7\% |
| iead and wrouglit |  | 15,862 | 0,943 |
| Tin, unwroughs | tons | 1,308 | 46, 4 |
| Tin, unwroughs | curts. | ${ }_{11,130}^{288}$ | 15 |
| $\mathrm{OlH}_{\text {, send }}$ : | gatións | 2,65i,301 | 394,461 |
| Printer' colarurs ${ }^{\text {a }}$ | Talue |  | 91,431 |
| Paper (eacept hangling) | cwtu. | ${ }_{\text {rn3 }}$ | 2,19] |
| Salt hown - | tons | 10,926 | 8,1:3 |
| Suk, thrown, and yarn - | lbs. | 136,465 | 148.46 |
| Splrits, Mritinh and Irigh | phitue | 1,278 | in |
| Sugar, retined- | ${ }_{\text {cwit. }}$ | 52.5 | 3 sta |
| Wool sheep and lamhs' | 1bs. | 1,954,645 | 801.695 |
| Woollen and wnrsted yarn | " | 14,071,462 | 2,505,112 |
| Clotha of all kinds | yardy | 1.099,13* | 167, 63 |
| Wornted and mixed stuff | Jand | 19,754,9] | 1,9\%s, ${ }^{\text {a }}$ |
| Flunnely, earpute \&c. | value | 4i4,0is | cin |
| All other articles | - | - | 641,43 |
| Total . | - | - | [6,ixu, |

The staple imports are timber, deals, grain, at seeds, sheep's wool, tallow, hemp, flax, lides, ing in bars, green fruit, bones, madder, bark, tury tine, cattle, sugar \&c. The riso of Goole ar Grimsby has not affected the commerce of Hull all to the extent anticipated, and her supen facilities for trade and navigation wili alrays sure her a decided superiority over the other po of the Humber. Hull used to be very largely gaged in the Northern whale fishery, haring h in 1818 and 1819, as mnuy as 64 ships engaged the trade. Subsequently, however, it rapidly clined, and from 1836 to 1845 only 1 slip sent out ! but it has since partially revived, tho the business is one of cxtreme hazard

It is generall. losses on the gains, The agaia on the siling vesacels of the port. dick rates and; aflurded for th goods, and the i interior of the countries, have of the trado of the maintained and hould happily b
It is believed l
tura and the wel.
ke much promote from their present under trust for the palal and Bristol; te accomplished w are indebtel for th isformation to the secretary to the doc
Account of the Qua,
Imported into $I$

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VI. Great Grim Grimser is a boroug 1 watr of Lincoln, on stary of the Ilumber, wh imies across, 7 miles W.維Head, which is in 1 $6^{7} 7^{\prime}$ g' $^{\prime \prime}$ E Population, of lot, narrow, hooke minates in the Head pro and, mith good holding
intin a mile of wrell hnorn the ne no narigno as a barb Qurer is mart North
dock is filled with fresh witer-n cirenmstanee of considerable advantage to steamers. Wharf or quays extend on both sides of the rocks, upwards of $\$, \mathbf{t} 00$ ) fret in lang! . They are traversal by railway, so that trina may be at once s longer from the ships, anil the pomes forwariond to their destination. 'The covered sheds and bomflug warebouses, with suitable jetties, cranes, and other machancery, erected close to the quays, ard extensive anal convenient.
There is ab a that craft dock of about ti neres, situated on toe east side of the new lock. It in 80 feet long by 20 feet wite, with a depth of water on the sill at high water spring tines of 15 feet, and has a timber wharf to 0 diet long nod 35 feet wide partly roofed, with iec-houses, curing cestablishments \& $\mathcal{A}$ e. arliuiniug.
From the proximity of Grimsby to the month of the lumber, both sailing and stem vessels can get to sea from it with the prentent facility. It would seem, indeed, to be well tatted, not only for a commercial port, but also for a station firtiovernmeat steamers aud other ships of war in the event of our being engaged in hostilities with any of the Northern lowers. (Grimsby is 190 miles from Rotterdam, with which it his regular stem comunuication, and 220 miles from Antwerp.
In connection with the wet dock, a graving lock for the repair of ships was ope ne 1 in 1858 . It has an entrance of 70 feet wide, and an average aleph of $1!$ to 20 feet on the sill. It Is further intended to open a channel of communication between the old ant the new dock, which will add greatly to the utility and value of the former.
But, after all, the value of Grimsby as a commercian port will principally depend on its facilithe of communication with the interior. Aud these ne of the most extensive description. $A$ direct branch of the Great Northern Railway, from Peterborough, passing through Boston ant the east parts of Lincoln, and thus opening a rich agricultural country, brings Grimsby within 151 miles distance, or 4 or 5 hours' travelling, of Lamdin. The line of the Manchester, Sheffichi, nod Lincolnshire Railway Company, who are the proprictors of the works at Grimsby, unites it with Manchester (distance 117 miles) and Shetlech. It intersects in its course two trunk lines to the North, viz. the Midland and the Great Northern.
The agricultural district of Lincolnshire and the Midland counties, the manufacturing and mineral districts of Lancashire and Yorkshire, and the metropolis, are thus brought into direct and easy communiention with a port that offers especial nd vantages for the trade with Holland, the lille, and tho Baltic; and which is, indeed, extremely well situated for trallie, whether east, north, or south.
The number of vessels entered at this port during 1866 are ns under:-


Amount of Customs' duties received at Grimsby in $1866,15,7091$.; value of experts from the port in $1866,8,205,807$ l.

The following table shows the rates and duties charged by the Manchester, Sheffield, and Lineolnshire Railway Company, at the Grimsby Docks, on vessels trading between the port of Grimsby and any of the after-mentioned places, and on vessels entering the docks for shelter or repairs :-




``` for pion
or wert venal trading between the line of of patination lon
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``` wayland or glace or part nf Europe to the wrotwand if dian For every then straits of inimaltar
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``` any burt od glace in the went Indies, North and N-uilh Amprien, Africa, Ireenlanyl, ur any place to the rave and of the North "pipe of Norway, all place n within lie cram southward of Cope Ns. Vhacerts, not before name registirelt ton
Sheik rent is
```



``` then lid. p ur tut per month.
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``` lunch vencel not having matres, the lace preceding villas up
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``` for the numb, of the further chapel per ton shall pertain of
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``` dock tor repairs, shelter from storms, or from the end aeclamenal elate
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the sild dor th, the shin of
Buries, so entering
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The following are the rates and dative charm at the (irimsby. Ducks on the cargoes of ecastiay vessels, and vessels navigating the limber, of rivers or canals commmonienting therewith:-


- If shipped from railway wagons, froe
N. In.- Vessels malone wet of the tirumsty locks are mex corporation duce of any kind

Rates to be charged on the Registered Tones


[^20] Fuarleen

A furreement will be made for $r$ requiring to remain more than fourteen day
In adilition to the above rate per day fix pation of the clock, every vessel will be d for pumping, use of horizontal shores, pith an ll smithy, viz. :-

## Vessels not exceeding ${ }_{700}^{500}$ toms exceeding $\begin{aligned} & 1,000 \\ & 1,000\end{aligned}$

## Rules and Regulations.

1. To ensure to all parties as far as poss use of the clock in the order of probity, kept by the Harbor r Master, in rich al
intendmind to that putwhile dater orand abort, forfeit thacc such offence. Tnd assessed by the I]8. Ja work of nay dodone in tho Gravidon proved emergency,9. $\mathrm{S}_{0}$ vessel in writing o
$\therefore$ Io vessel will ing Dock with gum the Graving Does ag it, to time satisfact
VII. Newcast although to by far th rbermoonts, possessed
der the $T$ 'Tue Imprest Ser the 'Type Improve these called 'In berlin Ploce called 'Hayhol
Ire, and vas op out the entrance acre ter is 23 , and the least at ion provided at first row has be ca ope as a ceros collieries, opened thy

- the dock is annual l raceatieries, but thy
te deck is annually
at quay accominoda
entered，and the sum of 1 guineng Dock munt be of sulh entrance．＇Tho said sum of l at the time on ullowet ats part of the dockage，if tho sam wil puil within ten days after the hill is dellyered be not so paid，It will Le torfeited phe ont noney will also be forfcited if tho ake her turn at tho tine specifiel at foes not utry，provided the tock is ready the the tinne of －．No clanking of turns to buy to receive her． the caso of a ressed haviner received ilawed，except in thet；and relief is to be given in suge by accl－ lossels either inward or outward in such eases to to the julgment and by the authority，ancurding hour Master．
3．Any vesel staying in the Gravine nove thin 7 days iunst ullose thraving Dock weued fir other vessels to wow tho gates to be turn or turns may require，and out or inn，as their for its own shoring．
I．To vessel will be that It days in the Giravined to remain longer pecial agrepment．
is So vessel will be permitted to be lrek
in the（iraving l）ook without the to be lroken up directors，nuder the hand of thoir consent of the fine being．
6．Ground blocks
ane to be provided by the Corizontal shores only them are let adritt，lost，or nempany；and if any of lamaged，tho same must be mutly or wiffitly wwnes of the ressel occasioning good by the damaze；and any vessel requiring the loss or the ont tlocks must replace the same remove or is necessary to pump dock dry for th；and if it tho vesel must pay un additionn tor that purpose， 4．Every person who shall cut，destroy，or pumg． cuilty of wilful or uegligent injury to any，of bo wooks，shores，maclinincs，stoves，water of the ＂pipes，pitcl－pots，cranes， appendares，belonging to tho Gackic，or other the property of the Company，Graving Dock or down heary timber or other th，or shall throw an thonerork instead of using the siften the steps provided for that purpose，shanll sides or sledges Fow the damare or injury sinall not only make ond abory forfeit the sum dore，but shall，over ach sunch offence．The sum of ten shillings for nd asesed by the Ilarbour Master be computed 8．Sin work of any description will．
done in the Graviug Dock on will be allowed to ponppored encergency，and only by thy，except mivion in writing of the only by tho express 9 ．Yo vesel will be allowred Master． niman Dock with gunpowder on board． ；at the expense of the ve be cleaned out ench ugith to tie satisfactice vessel or vessels occu－ VII．NEwG VII．Netchistle Docks \＆c．
meg，although by far the mort of Neweastle－on－ thempouts，possessed no most important of the lee the＇Tyne Improvemout accommodation． ©＇the＇＇Yorthumberland Dock＇w，1852，＇how－ phace cilled＇Hayhole，＇on the nortstructed one，and was opened on horth side of Its rea is 55 acres，and on September I． art the cutrance 2 acres．and that of the tidal tutais 23 ，and the least 181 acest The greatest depth kion provided at first wast $18 \frac{1}{2}$ feet．Tho accons－ att dod for coals；and was principally for an mas has beea opened communication by crod collieries，but the with a considerable


## DOCkS

vessels which enterell the dot 547
4，961；and in 186．1． mnago has since thily，an2；and the amonnte of
The following is a sechealulu of thably hlucerased． and tolls on vossels and tue of the prescont rated using tho Northum anm fooms carrled in resela order of thorthumberland buck 1 an cessels miler the the Tyne lmprovement Comeviable by under the T＇yne Improvennement Act，Commissioneres，

For eviry thip elearing furn naric Chargee．



 Hor every speefified clearing for any other port and pies，per parpose of entering the do－per resiacerethan sund one of delivering or undouliup the sole and andercel tont


For every ship Inward Charges．incr reghitireal ton a
Worngelom ahip with a curm pharkes．



For every and Jursur：－

For the nbove rateg
the dock for nny tine rates any ship may remain after the expiration of thot exceeding 4 weeks，and fid，per registered ton per timo a further sum of in respect of such vessel．weck slatl be payablo River Cruft will hesel
for a tond of 8 chaldrongrged at the rate of 8 cl proportion for a sreater or or 20 tons，and in liko

## Rutes or Till

Fir every ton of her Molls on Goorls．


 For wery lond of timb
And the delivered from mogy contatning tilly crubt any And fa ease nuch timher shateresel in the dock culife feet，
For event such month one month，then for enech wete fur a

dockiption receivel or dellvered from any of every nther 0
Or，at the optton of the commorn any vessul in the ton measurem of guch goods mish mers，fur every ton And for thanl for every pneknge or than a ton，cither of weight pareel of goods less amo sum as is payable in resjuect of a toment，the

Vili．Tyne，South Suntis on，
The Tyne Dock，opeucd alds Dock，\＆c． designed for the necommod oped March 3， 1889 ，is largest burden，and is conodation of ships of the all parts of the kingdom connceted by railway with There aro two gdom．
with 22 spouts，whero the coke shipping jettics vessels can bo loaded aftlargest description of Northumberland and Durhat．Coals from the hipped to nny extent． There are nino wit．
grain，fibre，hemp，tallow，and rcepable of storing vided in travelling and hydraulic mal morchandise． vided in different parts of the doc cranes are pro－ Shecr legs capable of the dock．
erected nad are in use． There is also exte．
on land and water．
Dock Accommodation．

Busin,

| Arpa <br> In Acres | Ieputh of Whater |  | Whilh of Entrance |
| :---: | :---: | :---: | :---: |
|  |  | At I'. W'. |  |
| 10 | $\begin{aligned} & \text { fopt } \\ & \text { y } \end{aligned}$ | fert | $\begin{aligned} & \text { Het } \\ & \text { y } 5 \text { tht } \end{aligned}$ |
| IHiuh water at the Biar on full and change - $3 \mathrm{~h}, \mathbf{3 0} \mathrm{~m}$, Oridinasy apzing rhe of tide: : fitt. 9in. <br> Nipaje . - . 11 f .4 in . |  |  |  |

The ditum it

List of ilatex, Tolls, and Dues.
Jaward Chargur.
Haten per ion
Fur every slap whith a earen from any port in the Valteri
Kingetim, the lade of alan, of in the blathls of Chuernacy Fur every thifi with a eargo from ang jort or jliace in



## Ootwatil Chatget.

For every ship clearing fir any port in the United Kingilow, the Isle of Man, the Whote Ned, of any port between the North ingre and diliraliay, incluiling the lialtic; and for the firitiali ponsesions in North A merica
For ivery ahificharing for any othar port or place than above
Hyecitied ${ }^{\text {sul }}$ "

or sand shly entering and leaving the docks without de-
Fir every ang or loading a carg")
IIvering livering of loading a carg")
For the above rates nuy slip may romain in the docks for nuy time not execeding 4 weeks, and after the expiration of that time a further sum of 1d. per ton per weele shall be payable in respect of such vessel.

For keels, lighters, or other river craft, not exceeding 50 tons burden, entering and leaving the doeks for the purpose of londing or discharging minerals or merchandise, 1 s , each way,
Dues, Rates, or Tolls on Timber, Goors, or Merchandise Transfierred to or from Vessels or River Croft in the Dochs.

Rates.
For every los of timber, of whaterer deneription, each load containing wity cubic feet, received or delirered from ony vesel uvety tinn weight of gonkin or inerchandime, of every other dencription, received or delivered from any veavel
Ur, at the option of the Cinmpany, fir every ton measurement
of such poods ond merchandise, each auch ton measurement
of such goods and merthat
containing foriy eable feet welthit or measorement, the same sum wis is pabable in respect of a tuls.

When the quays or jetties are used for loading
or unloailing, the alove cunes, rates, we tolls are exacted, lait wharfage and other chargea myable, and information as to the anme may whtained on application to the collectur at loek oflice, or to the Compnny'a goods tnanatin Neweastle.
Tlie following are payabio whether the anin Ie transferred tos anil frum vessels or craft in decky, or loaded or unlouded at the gunya, what of jetties :-

```
Wrenes, cows, and bulli
'ronien, mules, ind asee
iolres and det?
```



The highest tide ever known in the Tyne Dow was 278 feet on the doek sills. The rise of ft quently to $25,25,21$, and 264 . The arem height of spring tiles is 24 fert on the silh, ? no tlme is there less than 20 feet in the lonk at the gates are clused, or less than 8 feet outside th doek. The number of vessels which enterel th port of South Shichls alone, in 1866, was 499 wit a tonnage of 1158,852 , of which 67 were steto vessels with a tomage of 31,979 .

## IN. Cammfe Docks \&c.

Cardiff, situated on the river Taff, nall haringt 1801 a poppulation of 32,954 , has, in consequeneef its conuection by rail and conal with Dlentre Tydvil and the ehief mining districts of suit Wales, risess to very considerable impotiane This has been muels enhancel by the nceomm: dation it offers in the Docks constructed at mad expense by the late Marquis of Bute.

The Tuaff River is navigable for sinall vessesp to near thic Sonth Wales Rnilway.

Glamorgan Canal.-.'The approach to this mem' is by the river Tall. Witlh of gates of $\sin$ had 27 feet; length of Sea Loek 103 feet; dephd water on sill of iuner gates 13 feet; lenghd canal for loading and discharging vessels atl: feet ; ayerago width 100 feet; depth of watr canal 13 to 4 feet.

Penarth Dock.
Basin, $400 \mathrm{ft}, \times 330 \mathrm{ft} .:$ lock, 270 ft lone; int $2,000 \times 370 \mathrm{ft}$; water, $35 \cdot 8 \mathrm{ft}$. high tide, and lowest, being if ft . more water than las buat Dock, anil 7 ft , more thau West bute Dd , gates 60 ft . wide.

## Bute Docks.

Lat, $31^{\circ} 27^{\prime} 16^{\prime \prime}$ N. ; long. $3^{\circ} 10^{\prime} 20^{\prime \prime}$ W.; IHjh W'ater, foll and change, 6 h .37 m .


Remarks.-The anchorage off Penarth Head is 1 safety, Penarth Head, being about 200 t L excellent. The Cardiff and l'enarth Flats and East and West Mud are composed of $n$ thick stratum of soft alluvial clay nnd mud, on which the largest vessels loaded lie aground with perfect
high water mark, not only affiords perfeet sts from the boisterous west wind, but penenty most desirable as a place of shelter and amban for the large and valuable vessels which truy
the purt. Steam-tugs are in attendance at every fide. There are also steamers plying between bere docks and tho ports of Liverpool, Cork, Whitchaven, llurnham, Ilistol de. Hy the Whyney lallway and the Newpurt, Vergareny, ad llereford Bailway, there as a direct und reny, adad narrow fanke communicntion between
 Vanchester, and the North. The South Wales Kaiway (broad gauge) alforda commmication between this port and Milford Ilaven, Carmarthen, Smansea, Neath, Newport, Chepstow, Gloucester, anl London,
The l'ort of Cardiff is the outlet for the large mineral and manmiatured produce of the central purtion of the south Wales Mineral Fleld, it! whle are the popmlous distriets of Martliyr. Rhrmaer, and Aberdare, with whech this port is sonectel by the 'rafi and Rhymmey Railways, and Glanorgan Camal.

\section*{Table of Tourage llutes in the Bute Dlochs, <br> 

The owners of the docks will not be responsible for anr damage occurring to vessels while in tow br theis steaner.

Tulle of Tonnage Rates on Shipping. First Clas, per regiter ton
fmall wilina, tenm, or onther vescels entering from or deo paring foe ong port in the tinited Rington, Jsie of Sim, Jeset, Guensey, Alderney, and sark, under 100


Skean numb tow tome res istet and upwards
Second Clasa.
Oa al pliling, tram, of ollur vesels entering from or de-
 and Cape Finutere

Third clase.
On il wilnt, seam, or other wixetis entering from or depuring for any athet port in Europe and the Medi-
Lraman. - Feurth Claie
One: wiling, vetm, or other resels entering from or dcarting tor all utiver foreign ports whatsoever.

Fifth Clase.
Phallwilina, veam, or other resele which do not enter
vithinthe zute of my dock or bain, tuat which eilher


Sirth cloun.


son milm, , team, or uther ressel, belng of iess than $2(x)^{\circ}$ foce petiod lontr, whall remain wi hin any dock or basm mod tha than tot tons measuremene for a lonter purioal tha 11 danat or being of tow tone meazuement or up. vard for i priod longer than yl days, hen for the Frid dunng path the retel remaing leyond those eridst repectiveis the further rates cullowing, that ic Winthe fint wet of any part thereof to enemy wet or part of a weck begond the second val

4n for the Dischargc, Removal, and Deposit of Bal'ust.

| wive Tonnage of Vesels from which the Bullast is diucharged | Rates per Ton on the quantity of Ballast |
| :---: | :---: |
|  |  |
| $3^{\text {und }}$ under 200 cosis | ${ }_{0}^{0}{ }_{8}^{6}$ |
| " ${ }^{400} \times 10$ | 0  <br> 0  <br> 0 9 |
| $0{ }^{0}$ |  |
| Indiprayn | 1 ${ }^{1}$ |

Ailditional Rates.-Fur the use of bargea, if required, fld, per ton on the guantity diseliarged.
For diacharging ballant by night, 3 d , per ton on the guantity no díseharged.
For trimming ballast to within 15 ft . af nuy lateliway from which the ballast is tw be dis: charged, $2 d$, per ton; or the captall cun empley his crew for this purjose.

Applicuthon for bargea, night work, and trimming of bullast, to bo made at the lhalast Omlec.

## X. (ibasgow Dockn, Shirivis Re,

Chasgow, the commervial capital of seotlame, on looth sides the Clyde, lat. (Observatory) bio $51^{\prime} 32^{\prime \prime} N_{0}$, long. $4^{\circ} 17^{\prime}$ W, (population, 1861 , including suburlis, 416,395 ), is indibted for her [reasit greatness to her alvantareons situation on n line river, in one of the richent toal and mineral diattrlets of the empire. Origimally tho Clyde was much enenmbered by fords and shallows, hend for a lengthened period it served rather to excite nuid disappoint expectation than to confer any ral commercial advantage on the eity. In l662, aftir several other schemes had failed, the magistrates of Glaggow purchased the ground on which l'ort (ilasgow ( 16 miles lower down the river) now stands, where they formed a harbour and a graving dock, the tlrst work of jtg kind in Scotland, For a considerable period the intercourse betwin! Glasgow and its newly acpuired port was principally carried on by land carriage; but from libis ittempts were every now and then made to deepen the river. In liks a guyy wis formed at tho throumlelaw ; but even so late as 1775 no vessel drawing if ft, water conld reach ( lasgow except at spring fldes. At length a plan. proposed in 1769 by Mr. Golburn, engineer, of Chester, tor deepening the river to 7 ft . at monp tides, was adopted, and since then, by the continued use of numerous dredging machines, a deptls of from 18 to 21 ft . water at neaps has been obtained. In 18tit, of 46 vessels over 1.000 tous, 13 , that drew more than 90 lit. water, eame salely to the Itroomielaw, while one of the largest steam vessels afloat, the Persin, of 3 , tilli tons burden, wns lannclied in 1855 into the river about one mile below Glaegow, and came up to the harhour to receive its machinery. The river for 7 miles below the city is very much widened, and forms nearly a straight line; the slopingr banke, formed of whisstone, being constructed in intation of ashlar. The accommodation for ship:ping at the Bromiclaw, or harbour, is now also very greatly extended. The quays extend upwarils of $2 \frac{1}{2}$ niles in length, varyiug from $1: 0$ to 24, yards in width, and are amply liurnished with sheds for gookls, cranes, and other appliances lior working a first-rate harbour. The quay has the important advantage of being directly connected, by means of the General Terminus Line, with the various railways that centre in the city. 'lhe Parliamentary trustecs for managing the river have also acquired ground nerth of the harbour, on which they have power to construct docks.

That part of the Clyto which lies between Glasgow Bridge and the month of the river Kelvin forms the harbour of Glasgow. The nren of its water space is 124 acres, of which 70 are occupied by shipping. The total length of quays on both sides of the harbour in 1867 was 4,577 yards, but 830 lineal yaris of quay space must be added for the wet dock at Windailleroft on the south side of the harbour.

Vessels of 21 ft . draught of water can lie alonirside the quays; and as dredifing operations are continually carried on, vessels of greater draught
will, in a short time, have no dificulty in entering the harbour. About 600,000 eubic yards of material are annually removed from the bed of the river.

The government of the liarbour is vested in $\mathbf{2 5}$ 'Trustees of the Clyde Navigation,' who are elected jointly by the Town Ceuncil, the shipowners and harbour ratepayers, the Chamber of Commerce, and the merchants' and trades' houses. Their jurisdiction extents as far down the Clyde as Newark Castle at Port-Glasgow, and they have powers under the 'Clyde Navigation Consolidation Act $1858^{\prime}$ ( 21 \& 22 Vict. c. 109) for making byelaws, regulations de. The Executive consists of a general manager, a treasurer, and 4 assistants; harbour-master, and 9 deputies; engineer and 5 assistants; tonnage collector, weighers, a superintenlent, 2 inspectors, 3 serjeants, nud 37 officers of police.

The revenue of the barbour for the year-

|  |  |  | ${ }^{\boldsymbol{2}}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1863 wns |  |  | [12, 18.3 | 7 | 10 |
| 1861 " | - | * | 141,383 | 13 | 9 |
| 1865 " |  | : | 121,547 | 11 | 11 |
|  |  |  | 125,787 | 10 |  |
| 1867 |  |  | 131,894 |  |  |

and the ordinary annual expenditure, ineluding tredging, is about $42,000 l$. ( $42,104 l, 12 s$, in the year ended June 30, 1867).

The tctal number of arrivals of sailing and steam vessels from home and foreign ports ia the year


In 1866 there belonged to Glasgow 536 sailing vessels of 233,073 tons, and 271 steam vessely of 99,280 tons.
The number of steam vessels actually emplored at and trading frem the river Clyde during the summer of 1865 was-

| $\begin{gathered} \text { Ni. of } \\ \text { Vessels } \end{gathered}$ | How Employed | $\begin{aligned} & \text { (1ross } \\ & \text { Tron- } \\ & \text { nage } \end{aligned}$ | RegisTon. nage |  | $\begin{aligned} & \text { Drayphituf } \\ & \text { Waier } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 | To coast lowns on Fyith of Clyde | 4,232 | 2,4?1 | 2,993 |  |
| 15 | Scoteh poris. | 3,119 | 2,113, | 1,610 | 6 m 120 |
| 19 | 1rish ${ }^{\text {a }}$ | ${ }_{3}^{8,796}$ | 6,106 | 2,800 | 10, 190 |
| 16 | France and the | 3,667 | 2,673 | ¢10. | $10 \sim 120$ |
|  | Mediterfanean | 7,659 | 5,931 | 890 | 12., 130 |
| A | $\begin{aligned} & \text { New York and } \\ & \text { Quehec } \end{aligned}$ | 11,175 | 8,917 | 980 | 19, 210 |
| 93 | Passenger steamerx | 54,961 | 25,113 | 9,513 |  |
| 31 | T'ug steamets - | 2.479 | 749 | 1,275 | 5, 6 外 |
| 12. | Total steamers | 41,413 | 28,812 | [10,818 | - |

The rise and fall of tide at the harbour of Giasgow at spring tides is 10 ft ; at neap tides is 8 th

Dimensions of Dry Docks.

| Name and place of Dry Dock | Itength withln liatea | Width ot Entrance | Depth or Water Miringtides | Charge |
| :---: | :---: | :---: | :---: | :---: |
| Tod and Mae Giregor's, Glasgow | ft. |  | n. in. | 3d. per ton on pross tomnaze for docrey |
| Mat Millan'a, Dumblarton - | 300 | 410 | 130 | and undocking. This includes pamel |
| H. Steele and Co., Greenock | 361 | 476 | 160 | out and ose of shores, butnet menitas. |
| Caird and Co., (reenock - | 2010 | 45 <br> 30 <br> 0 | 15 13 | d. per tun per tide for first 11 cidewd fi. per ton leer tide for next is ada |
| Greenock New Town Dock - | 210 360 | (30 | 130 |  |
| Port Glasgow Dry Dock, on blocks $\begin{aligned} & \text { Inside gater }\end{aligned}$ | 310 810 2.35 | $32-11$ | neap $\begin{gathered}10 \\ 8\end{gathered}$ |  |
| Fortland shipping Company, Troon, on blneks | 278 | 376 | $\left\{\begin{array}{lll} & 12 & 12 \\ \hline 10\end{array}\right.$ |  |

The patent slips at Glasgow and on the Clyde on which vessels are drawn $11 p$ (at $3 d$. per ton, with $\frac{1}{2} d$, per ton per tide while they are on for repairs) are as folluws:-


The following table shows the number of vessels built and launched on the Clyde in the years 1863 and 1864, and the number upon the stocks on December 31, 1864 :-

| Description or Vessels | Launched In 1863 |  | Launched ln 1861 |  | $\underset{\substack{\text { On stocky } \\ \text { December } \\ 1864}}{ }$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Saillng ships, aron wood composite | $\begin{gathered} \text { no. } \\ 31 \\ 14 \\ 4 \\ \hline \end{gathered}$ | $\begin{array}{r} \text { tonnage } \\ 26,1662 \\ 6,875 \\ 3,820 \\ \hline \end{array}$ | no. | tonnage | $\begin{aligned} & \text { no. } \\ & 37 \\ & 3 \\ & 14 \\ & \hline \end{aligned}$ | $\left\lvert\, \begin{gathered} \text { onnage } \\ 1, \\ 1,846 \\ 1,081 \\ 9,587 \end{gathered}\right.$ |
| Total sailing ships | 49 | 36,457 | 62 | 47,5<7 ${ }^{\text {a }}$ | 54 | 24,25,3 |
| Steam ships, wood Iron composite | 119 | $\begin{array}{r}85,443 \\ 1,760 \\ \hline\end{array}$ | 178 | (129, 5801 | 83 | 76,731 |
| composite | 121 | $\frac{1,700}{}$ | 180 | $\frac{591}{130,978}$ | 88 | + 4 4,971) |
| Total steam ahips Grand total | $\frac{121}{170}$ | $\frac{87,513}{124,010}$ | $\frac{\overline{180}}{242}$ | $\frac{130,978}{17 x, 505}$ | $\frac{88}{142}$ | $\begin{aligned} & \frac{81,704}{105,957} \end{aligned}$ |

The number of vessels building on May 1, 1865, was 177.
Harbour Dues.-Rates on vessels, on each time of entering, or using or departing from the river or harbour:-

1. On all vessels, except as aftermentioned,
arriving at or departing from the harbours fume to any place in the United Kinglon of $G a$ Britain and Ireland, per register ton, $1 \frac{1}{2} d$ inned $1 \frac{1}{2} d$. ontwards.
2. On all steam-vess : ar: ving at or depurity from the harbour, from , any place withie line drawn from east to we... across the Chandte Pladda, per register ton, $\frac{3}{3} d$. inwards. 3 . $d$. outtrad
3. On all vessels arriving at or departing tre the harbour, from or to any place out of the t'e Kingdom of Great Brituiu and Ireland, per requ ter ton, $4 d$. inwards, $4 d$. outwards.
4. On all vessels that shall remain in the $h=$ bour over and above the first 24 lawful darsm register ton, per week, $1 d$.
5. On all vessels entering or departiog io any of the wet deeks or tidal basins, mita structed, in addition to the harbour rutes, path gister ten, $6 d$. inwards, $6 d$. outwards.
6. On all vessels that shall remain in 4 ; the wet docks or basins over aud abose the 24 lawful days, per register ton per week, $2 d$
7. On all vessels entering or using the f not liable for the above rates, and not the with eargo liable for rates under schedule per register ten, 6d. Provided that the last tioned charge shall not extead to any resed goods in which are exempted from rates bry Act.
8. On all vesscls entering or usiag the tru basin at Bowling, having previously beto gularly trading on the river, per register ton week, $\frac{1}{2} d$.
9. On all other vessels entering of using said basin, per register ton per week, $2 d$.

Vessels procceling empty- for a cargo, or re- Rates for the Use of Craurs capable of lifting Ten turning empty having discharged a cargo to or Ton's and upuards, putting in or taking out of from any place beyond the limits of the harbour, shall not be liable to pay any rates for the empty thin, under Article 7.
Tessels passing to or from any place on the fiver Clyde above Ilutcheson Bridge, tbromph that portion of the river wheh is embraced within die limits of the harbour, shall not be liable for any of the rates specified in this sehedule unless ther shall use any of the sainl docks or tidal basius or any of the quays or other works constructed by he tristees on the banks of the river, within the imits of the harbour, or unless they shall take in discharge their cargo or any part thereof within the said limits, or shall remain therein longer that may be necessary for passing through the same.

Rutes for use of Ordinary Cranes.


Fach ton of hemp other timier rated in the first column
of shedule ( $!$ ) at 23 . per ton - -
Dilto other timber
assils oid or new Machimery
For each hoist, not erceeding 1 ton -


All necessary uso of the crane, from the lifting of a piece of machinery off its carriage until stowed or adjusted in the vessel, or from the lifting of a picee of machinery from the vessel until placed on its earringe, shall be included in one hoist.
Putting on board machinery, engines and boilers, inclading fitting up when the vessel is new and fitted out for the first time, per horse power of engine as per contract, 2 s . Grl. ; or per ton, 3 s .
Taking out boilers and machinery for repairs, per horse power of engine, as per contract, 2 s ; or per ton, 2s, 6rl.
Putting on board boilers and machinery after being repaired, incluling fitting up, per horse power of engine as per contract, 1 s . $6 d$. ; or per ton, $2 s$.
Putting in or taking out boilers, per horse power of engine, as per contract, 1 s ; ; or per ton, $3 s$.
The above rates to be chargel per horse power of engine, or per ton, in the option of the trustees. General repairs or jolbing, not included in the above, to be charged at the rate per day of 51.5 s .
In addition to the rates for cranes, specified in this schedule, $6 \pi$. per hour to be paid for wages to cranemen attending while the crane is being worked.
Ballast.-The Clyde trustees remove ballast from vessels on either side the harbour, at a rate not exceeding 1s, per ton, and supply clean stone ballast at 1s. per ton.
The river Clyde is divided into three stages, and the following are the Tonnage Dues exigible upon each, viz.:-

The tirst stage extends from Hutcheson's Dridge to the Old Ferry at Renfrew, being about 600
thall be actually supplied to vessels.

Charges on a Ship of 500 Tons Register arriving at Glasgow with Cotton, and clearing out laden with Iron.

yards to the cast of the present ferry, and the dues on goorts carried or conveyed thereon are two-thirds of the tomage dues exigible by the trustecs.
The second stage extends from the Old Ferry at Renfrew to the mouth of Dalmuir Burn; and the dues exigible thereon aro one-sisth of the tonnage dues; and
The third stage extends from Dalmuir Burn to Newark Castle; and the dues exigrible thereon are one-sixth part of the tounge dues.

Charges for Lights from the Clyde.
Amertca ond West Indies ly North.
 91. ia. ad . - 16.16 and dito if frome

By South.

- 4.16 and $\begin{gathered}\text { dind } \\ \text { Cave } \\ \text { col. }\end{gathered}$

21i. 6a. 10d. -

- 102 -16 and 6d. per 50 tons.

The charge for unlonding and taking in a cargo is per agreement with licensed lumpers or porters who ply on the quay for hite. There are no tixed rates, but the following charges may be considered pretty near the mark: muluading cotton about Gid. per ton, and for taking in iron $9 d$. per ton. The other items of charge of a public kind affecting the ship are, towing up and down the river, planks and stages for discharging and loading the cargoes, supplying the ship with wator and the removal of ballast if any on hoard, and ships loaded with cotton usualty have ballast.

Entrance to the River.-As a guile to mariners, it may be meutioned that vessels of 19 ft . draught of water can arrive at the harbour of Glasgow, and that vessels drawing 17 ft are considered regular traders. Vessels drawing 15 to 16 ft may always arrive and depart without touching the bottom. At the entrance to the river vessels are placed under the charge of pilots acquainted with the channel, which is well marked with beacons and buoys. A ship on raching the mouth of the river at Newark had best commence useending as soon after half-fiood as possible. There are no particular usages connectel with the harbont of Glasgow heyond those adopted in most other rivers and harbours. Lights are permitted in the harbour from: $6 \mathrm{~A}, \mathrm{M}$, to 10 I . M,

Glasgow may be said to be cosmopolitan in her commeree and manufactures, uniting within herself the businesses and trades of innost every other town and city in the Unixed Kingdom. Hence it follows that while one branch of mannfacture or trade may be dull, another may be prosperous; and accordingly Glasguw seldom feels any of those general depressions which so frequently ocenr in places - which have only one or two branches of manufacture or commerce. The great industrial occupations of Glasgow are its cottou spinning and wearing; its collieries and iron manufactures; its iron ship bailding and machine making ; and its chesical, porcelain and glass manufactures. According to Dr. Strang, the consumption of raw cotton in Glasgow in 1854 was above 1,900 bales per week, of from 430 to 440 lbs . each; and the number of power looms dependent on Glasgrow $\because$ as from 26,000 to 27,000 , producing daily about 700,000 yards cloth. In the west of Scotland, of which Glasgow is the central mart, there were, in $1860,6,2 \pi 5,000$ tons of coals drawn from the pits, of which $1,036,541$ tons were shipped, exclusive of the quantities sent beyond the boundaries by railways, leaving the larger proportion for the conversion of iron and the manufacturing consumption and domestic use of the Glasgow iistrict. Of the produce of pig iron in the counties of Lanark and Ayr (1866), 139,408 tons were shipped from Glasgow alone direct to forcign
countries, exclusive of the quantitics sent away b railways, During the same year there were expoflel trum Glasgow 49,488 tons of railroad and 12,23 tons of other kinds of malleable iron. The when the whole coal and iron businesses to the distrie in 185.4 was reckoned at about $4,872,0001$, of which $1,973,000$. was paid in wages to 33,900 persons. ${ }^{1}$ to iron ship building and narine engine making, ts may be stated that in 1864, 242 vessels were male, incluting both steam and sailing, having an gtgregate tomagre of 178,505 , for which also marine engines were made or had been made. In lition there were launched 150 iron vessels of 112, , ${ }^{5}$ tons. Of these, 31 wero iron sailing vessels of 26,762 tons, and 67 iron screw steamers of 32,2 tons, and 38 paddle steamers of 26,147 tons; and on May 1, 1865 , there were building 174 ressels of all kinds. The chemical products of Glastow are multifarious, consisting of sulphuric, muriatic, nitric and acetic acids and their various salts; bleaching powder, soda, soap, cudbear, bichromate of potash, sugar of lead, iodine, salts of ammonia, alum, prussinte of potash, naphtha, pitch, oil, animal charcoal, lone tar, cream of tartar \$c. ©c. The works of St. Rollox, situated in the northeast quarter of Clasgov. constitute perhaps the larreat chemical establifhe, about 12 acr. . of est , ina, employ above $1,000 \mathrm{men}$, consuming amunally about 20,000 tons of commor salt, and 80,000 tons of coal, and producing soda, bleaching powder, sulphuric neid, soap th about $2 \overline{\mathbf{j}}, 000$ tons: 81,163 ewts. of soda were es ported from Glasgow to foreign parts in 1866. The lofty chimneys of St. Rollox are amony the curion sities of the city, one of them being 450 fect bimb 50 feet diameter at the base, and 14 ft at th There are eight large potteries engaged in the mannfacture of all kinds of china, porcelain, Parisn and other ware, 4 flint glass manufactories, and!: bottle houses. The total produce of the business which employs 2,000 people, may be fairly estimated at 120,0001 , while the quantity expored in 1866 from Glasgow amounted to 17,167 pachazs The value of the exported produce of the tite Hhass manufactories of Glasgow in 1860 90,1091 . The bottle houses produce about 15 millions of bottles. nearly half of which are erported from the Cl de. In the manufacture 4 tobaceo pipss 600 persons an: cuploced, who was up about 2,740 tons of cla: , who daily masifrcture, finish, and pack $r$ i, : gross pina The rapid progress which ther, ast ial pusintis have made in Glasgow may io $1 \mathrm{~m}^{\text {a }}$, ntribuxd to the demand which the for irade of to Clyde has created for bulky freight.

Accounts oj the Customs Duties collected at Gier gow, und of the Number and Tonnage of te Ships belonging to the Port, in the underad tioned Years.

| Years | Duttes | No. of Ships | Tonn土 |
| :---: | :---: | :---: | :---: |
| 1798 | ${ }_{125}$ |  |  |
| 1806 | 1,32\% | 0 | 40) |
| 1815 1820 | (1,100 | 89 | 6 , 9 |
| 1830 | 39,013 | 233 | unit |
| 1810 | 468,9;4 | 351 | 71, 8 |
| '850 | 640 ,564 | 507 | ${ }^{135}$ |
| ${ }^{1} 859$ | 803,354 |  |  |
| 1. 55 | 725,243 | 815 807 | 320 ${ }^{\text {and }}$ |
| 1806 1967 | 801,123 $1,0<4,299$ | 807 | 30 |

Nearly half the rustoms paid in Scolland m collected at Greenock.
Glasgow now ranks as the 4the exporting in the empire, being in this respect sarpased on? by Liverpool, London, and Hull.

# coount of Principal 

 repal Clasgow i
## Whai : mada

 Al|pzrutATmis and am Asmas and amm1
Fintarms ism. fint-arms ism.
fonpowder
Bar Ber and
Butier
Candich stearine aals, cinders, am otoon yam
 lisce groals
Hoirfy and sma ruva and themicen When ware and $p$ anas of mings t : Biterdahery and
But
Huduaif and cutl Hydumates and cutl
sersa Lerther, r tanned, un
wrought
wrowht Wrought
wounh
and harm Linen yam. ${ }^{\text {and }}$ Linen manuuficture
Ploce topods Threat, toods


Accunt of the Quantilies and Fuhucs of the Principal Aricles, the Produce rud Mrautucture of the C'nited Kingrlon:, Errported firom Glusgow in 1866.

| Astictes | Quantities | Value |
| :---: | :---: | :---: |
|  | 61,163 | $\frac{\varepsilon}{43,049}$ |
|  |  | 97,31.2 |
| Appart ${ }^{\text {andms and ammunition: }}$ |  |  |
| Fire-arma ismall): | 20,513 | 3,996 $\mathbf{3}, 119$ |
| Gunpowder : $\quad: \quad$ lins. | 12, 2 ,6.5.5 | 193, 921 |
| Her ind aie : $\quad$ - cwts. | 4,511 | 2.3, 678 |
|  | 9,164 | 337 |
| Coals, cinders, and culm : tons | 8.919 $7,536,3,37$ | 827, 51.493 |
| Couon yarm - - liss. | 7,356,3.37 |  |
| Cotion manufactures: - yards | 154,011,311 | 3,909.0.50 |
| $\mathrm{H}_{\text {Hosery }}$ and small wares - value |  | 279,147 |
| Prus and themical produc ta mim. |  | 44,080 |
| Earheoware and porcelain - paik. | 17,310 |  |
| F...arrings : value |  | 90, 119 |
| Haserdashery and millinery | - | 257,329 |
| Haxdates and cutlery, of all |  |  |
| Lenther, tanned, unwrought cürs. | 3316 | 3,155 |
| Leathe, tanned, unwrough - valic | $\rightarrow$ | 10,515 |
| vrought siddiery and harness |  | 6,425 |
| Linen mon. ${ }^{\text {and }}$ - lis. | 199,560 | 11,399 |
| $\underset{\substack{\text { Lmen manufacture: } \\ \text { Phee grods }}}{\text { a }}$ - yarda | 36,356,523 | 1,011,501 |
| Thread, tapes, and amati ${ }^{\text {a }}$ Mata |  |  |
| Machinsery and millwerk - value | - | $\begin{array}{r} 36.776 \\ 21.5,003 \end{array}$ |
| Melas: |  |  |
| Ifon-riza, bar, bolt, wire, and cast - tons | 159, 108 | 6.32,015 |
| Iroumai foxil ${ }^{\text {a }}$ | 49, 188 | 212.161 |
|  | 12,737 | 260,588 |
| Steel, unm rought * Cephes, or atought | -38 | 3,7\%1 |
| Coppet, or atobaht <br> part wr ught, and " <br> vrought | S56 6,153 | 3,711 27,122 |
|  | 6,153 | $\begin{array}{r}27,122 \\ 4.675 \\ \hline 8.8\end{array}$ |
| Tin, unurought - cwis. | 502 | 2,189 |
|  | 9.612 $93 \div 118$ | 14,174 |
|  | 93,418 | 16,4.93 |
| aper (tsceph hanging) - cwis. | 22,618 | 81,663 |
| \% - tons | 1,290 | 1,031 |
|  | - | 19,614 |
|  | 369,7\% | 71,198 |
| Ear, refned - cwis. | 3,341 | 3,697 |
| Coi, sheep and lamis' - lis. |  |  |
| Colen and worsted sarn - " Footho manufatures: | 53,501 | 6,515 |
| fluths of ail kinds - . jards | 6.35,130 | 100,6,35 |
| Worsted ard maxed stuffs | 4,159,190 | 220,13. |
| lancele, cappets sc. | 896,526 | 69, x. 52 |
| Hosiery and oher grods - value Tother ancles - . " | 二 | $\begin{array}{r} 34,895 \\ \text { G1ti,216 } \end{array}$ |
| Totai "clared real value | - | 9,507,235 |

rery limited commerce. Only one small piet existel. lint in the vear referred to, an Act was obtained for separting the harbum from the other brancles of the burgh revenne, for constructing an entirely new harbour on a seale commensurate with the growing importanee of the place, ant for investing the management in a board of cominissioners. Additional Aets wero obtaiced in $1830,1836,1843$, and 1856 ; and the result is that Dunclea has now four wet docks, having an aren in all of $33 \frac{1}{2}$ acres, and a tide harbonr of $4 \frac{4}{4}$ acres the breadth of the entrances to which is from 40 ft . to 60 ft . 'There is also a splendid gravin's dock, having a 40 ft , entrance. A eranc, reachin 28 ft . from the face of the quay wall on which it $i$ ulaced, and capable of raising 30 tons, is crected at. Earl Grey (lock, so that every facility is afforicil for taking ont and putting in the boilers \&c. of the largest stenal vessels. There is also a Morton slip attached to the tide harbour, on which three vessels may be placed at once. The vessels are hauled up by a steam-enerine of 16 horse power; a ship of 800 toms may be placed on the slip; one of the Dundee steamers, the Perth, weighing, without leer boilers, 596 tons, has been repaired oll it

The quays are wite and spacious, affording berthage fire above 65 vessels; mul there are extensive aral convenient carpenters' and other yards for ship building. The necommoilation for the buildiner and repaiting of vessels is not surpassed in any port of the kingdons.

The expenditure on these great works down to May 1868 was as follows :-
Total expenditure to May 186 s
Total shure dues \&c. collected to
May 1868

shore dues in 1765 viclded $1261 . ; 173$, 140l. 5s.; 1785, 490l. ; 1795, 965l. ; 1805, 1,2721. 10 s ; 1814, 1,701I. 10s. 3d.; 1857.8, 20,592l.; and in 1867-8, $25,692 l$.

The customs revenue in the nndernaentioned years has been:-


The amount of custom duties docs not, however, afford anything like a true criterion of the extent of the trade of the port, as flax, liemp, and jute, the chief articles of import from foreign countries, aro not subject to any duty. The greater part of the sugar used in Dundee being cither refined or of tho sort called cruslied lunip, which is partially refined, there is scarcely any revenne derivel from sugar, there being no refincries liere, nud no direct importation of raw sugar, When there was a duty on foreign corn, a considerable sum was received at this port; but now that the duty is suly $3 d$. per cwi.. the sum received from that source is very small.
Statement of the Number of Vesscls and their Tonnage which Entered the Harbour in 1868.

| Description | Number | Tonnage |
| :---: | :---: | :---: |
| From Fore'gn, helonging to Dundee | 341 | $22,159$ |
| Coasting, belonging to Dundea - | 1,114 | 194,127 |
| in the river Tay trade. | +,392 | 33,1067 87.156 |
| Total | 3,016 | 359,10C |

The docks are acco amodated with four sheds having $31,400 \mathrm{sq}$. ft . ffloot, and nine cranes.

The Pilotage of tie River Tay and Harbour of

camp. an fock ond patent slip are capahle of taking $t$

Dundee is mnder the jurisdietion of a barad, comDosed jointly of the trustess of the Fraternity of Dundee and the Corporation of the Certain rates of Masters and Seamen of Der the Dundee Harbour pilotage are exigible mad compulsory. The esAets, but the pilotage is not cutters, with necessary tablishment has two pine cutters is always at sea, tenders ; and one or buoy of Tay, unless driven in cruising outside the There is a pilot waster at by stress of wenther. There is a pilat with pilts. t.'. port, nit

Tonnage Dues on Vessels enturing the

Inull weekly, there are regular sniling ships durit: the season to Hamburg and St. Petersbutg, as! two large, screw steamers were (in 1809 ) tited ow for Dnvis' Straits an bas increased to 10.
A Statement of the Principal Articles Impord and Exported at the Port of Dundec in the Jac ending May 31, 1868.

 arteles lion lonnaze rate.
s. To or froin aoy port in Great Britain or 1reland, including the , Nands of Gupensey Ierses, Aldards, and Orkeys with coats, Hune, or f. All ressely loaded with in Oreat Britain sce. excepting Scotland - couls, lime, or 10. All vessels londed wlin inst in sentlan 11 inainte only, from angels in the biruer ray, carry ing goods and entering the the vort or thariour of from any port in Great 14. Aritain, or places enumerated in No. ${ }^{8}$, carring passengers and their luggage ex carrine
3. All steam. vessels employed in the Rive 13. All steam. - essels engers and their luggage exclutively, and vessels trating from part harbour, or carrying
within the precincts within the precincts carring goods and
14. All steam vessels came rates as sailing 14. All ste Harbour of Dundee.


There belonged to the port, on January 1,1807 , 9 sailing vessels of less, and 170 of more, than being tons; the aggregate burde tons: there then also 287 , and of the latter 39,548 eamers, aggregate burbelonged to the port 24 reamere has been a conden 7,046 tons. siderable extens Besides steamers to London and from this port
Xii. Ieith Docks, Shippig de

Leith, which may be called the pot wh burgh, has 3 wet doeks, containing acres of water room. Two of these, yer 1806 and 1817 , are for the accomnociaiai vessels ordinarily frequenting the fot other, finished in 1852 , is intended orin ad! steamers. doeks.
These docks have cost large sums, wit to the harbour drying at low rater temial to ve also been expended in the ese twis old, and the formation of a new piet, consisting partly of stone, and partly del wood intermixed, is of very greal ind the new, or western pier, which in lent in the new, or wer, is also of great lengtad landing stage near its extremity ain The object in carrying out he pien , a harbour, which, at their extremily,
water suflicient to culable vessels to come to the landing stage at all times of tho tide. But this object has not been fully attained; and though it hai, we should have been inclined to regard the hatlay upon it as little better than thrown away. The fruth is, that the docks and new harbour at The trum in, misplaced. Instenil of being leith are entirely misplaced. where they nre, the docks shond structel nt 'I' "nity or Granton, abont $\frac{3}{3}$ or 1 mile west from Ietth, being, however, nearer to it than the extremity of the new pier. And a deep water arbour, accessible nt all times, having been drealy constructed at Granton, the outlay on the extension of the piers at Leith aeems not a little preposterous.
The larbour at Granton has been formed by the Duke of Buccleugh. A pier, constructed in the most approved manner, projects into the sca abont 1,, 00 ft . It is shaped like a $T$ with its head to the inth sides. It has been open for sume years; but hitherto it has been principally resorted to by teamers. The Duke has also constructed a greakwater, which ndds much to the security of
he shipping.
The eommerce of Leith is very considerable, and as beea slowly but steadily improving. It carries a limited frade with Australin, the East and Vest Iddies, the Mediterranenn, Canada, and the gited States; but its chicf forcign trade is with lolland and the north of Europe. The principnl tieles of export consist of linen manufactures d linen yam, brought from Fifcshire and Dune; cottons and cotton yarn from Lanarkshire: m from the latter; with woollens and worsteds, 1, salt-fish, ale, spirits \&c.; and as the port now connected hy branches with the leading hray lines that centre in Edinburgh, a considere exteasion of its trade may te anticipated. e leading articles of import consist of corn and ber; flax and hemp; hides, guano, and prohons; sugar and other colonial products; wool, e, spirits, dye ituffs de. With regard to its estic trade, there are companies which have pels trading with London; and other companies e vessels trading with Hull, Newcastle, LiverGrecaock, Glasgow, Aberdeen, Montrose, k, Orkney, Shetland, Dundee, Stirling \&c. communication with London is kept up by class steamers that sail twice a week during entire year; hut more vessels sail in summer in minter. There is also a communication cam with Newcastle and Hull twice a week; string trice a day; the opposite coast of several times a day; and a regular communia with every important place on the east of and, from Le, wick in Shetland, and Kirkwall kney, to Berwick-upon-Tweed, The steamers rome from Leith and some from Granton. formerly sent 8 or 10 vessels to the Greenhale fishery, but such has been the decline business that she no longer sends a single
ock Rates on Vessels, per Register Ton. 4ts firm Asla or Arrica to the east of the Cape
Hope
including the Cupe, or from South nise inder, weas Coani of Africa, Cupe de Verde ${ }^{1} 5$
 * Bilite ali sbove thit scuund, Onega, Archangel
 Tincland - - -1 m, Holland, and Flanders, Hostein, Hamburg, and no farither wouth thans, Dunkirr, without the then Gireat Eriluin and Ireland other then thone 010

 fovn as Girenenock Greal Canal and tha llyer Clyde

Dock Rates on Vessels, \&c.-continucd.
Au veseiels untirely loatedf with coals, either for wholecate Aur retail, and which are excluded frum the docks-troun pitto from ports in Scottinn : $\quad \vdots \quad \vdots$
 the south, carrylug pasengers and their luggage excluatively ${ }^{\circ}$. corils, atones, coiton, lik irou, or street mannure, he chatrge relluced, during the pleasure of the Conunission, to o it
The harbour revenue of Leith in the vear ended Whitsunday 1864 was 44,6801 .
Accoment of the Quantities and TVulues of the Principal Articles, the Produce and Manuficture of the United Kingdom, Exported from Leith in 1866.

| Artieler | Quantities | Values |
| :---: | :---: | :---: |
| Alkali, moda - cuts. | 21,689 |  |
| Apparel - - value |  | 1,673 |
| (iunpowder - - lbs. | 18,500 | 461 |
| Heer and ale - - bris. | 2,983 | 15,977 |
| Cende, cinders, culm:- tons. | 215,936 | ${ }^{11} 10,7 \% 7$ |
| Cotton ynrn - lus. | 165,431 | -19,575 |
| Cotton manufactures: <br> piece <br> - yards | 2,292,26! | 64,273 |
| Druas and chemiculs | "* | 31,5\%7 |
| Earthenware \&c. - bkes. | 989 | 5,896 |
| Finh: herrings ${ }_{\text {Glas }}$ - brls. | 11,269 | 16,9192 |
| Haberuashery - value | $\because$ | 6,795 |
| 11 ardwares nni cuilery | - | 6,093 |
| Leather, tanned - cwls. | 280 | 620 |
| Saddlery wrought: value | -. | 377 |
| tinen yarn - - lin. | 6,477\%,001 | 417,498 |
| Manufactures: plece - yards | 7,234,047 | 2:12,621 |
| 'Thread \&c. - - value | - | 133,539 |
| Mlnehinery *etats: fron, pif, cast, " | - | 133,518 |
| hars, boltsise, - tons | 91,50\% | 299,682 |
| Other kinds : " | 1,104 | 15,612 |
| Copper, unwroughe - cwit. | 510 | 2,765 |
| Wrought - " | 73 | 483 |
| Lead anct shot - tona | 3.3 | 690 |
| Tin plates - : ${ }^{\prime \prime}$ | 107 | 210 |
| Oil, seed ${ }^{\text {Painter's colours }}$ - plils. | 3,188 | 695 |
|  | 892 | 6,089 |
| Salt- - tona | 13 | ${ }_{25}$ |
| silk manufactures - value |  | 295 |
| Spirita - ${ }^{\text {alns. }}$ | 11,107 | 1,100 |
| Sugar, refined - © ewtu. |  |  |
| Wocllen yarn - | 325,583 | 2.5,267 |
| Manufactured cloth - yardz | 5,454 | 1,125 |
| Wersteds - - | 7,134 | 1,229 |
| Flannets and carpets - yiluc | 18,205 | 4,192 |
| Hosiery Other articles - | .. | 4,685 420,612 |
| Total - value | . $\cdot$ |  |

The censtoms duty on goods imported during 1867 amounted to $607,264 l$.
There belonged to Leith on January 1, 1867, 84 sailing vessels of 50 tons and ufwards, and 58 ot less than 50 tons, the nggreg ite burden of the former being 22,479 tons, and of the latter 1,798 tons, exclusive of 52 large and 21 small steamers, having a joint tonnage of 20,859 tons.
Rates of Pilotage for Leith Harbour, as fixed by the Commissioners, and apprived by the Trinity House and Board of Trade.


And for
ls. $6 d$.
Extra Attendance.-For each 24 hours' extra attendance on board, when requested by the master, to the master-pilot 2 s , and to ench of the boatmen $1 s$.

## Pilot Boats and Crews.

For vessels from foreign ports, under 70 tons
Ditto from ditto, of 76 and pot exceeding I 20
Ditto from ilito, exceeding 120 and not exceeling 250
Ditto from ditto, exceeding 250 tons
Coasting vessels of any size which require to take a pilot boat, or employ such, to be charged
only 2s. ud. for attendance of boat und men, besides the pilutage.
The rates of pilotage de. ontwards are onehalf of those inwards.
Where a vessel takes a steam tug, either $\mathrm{i}: 1$ or out, the pilutage and charges for pilot boats nuad crews sliall be one third less than the rates above specitied.
In 1866 Granton, formerly a creek in the port of Leith, was made an independent port.

## XIII. Conk Ducks

There are no wet i cks in Cork, but at the city, situate on the river Lee, 10 miles from the mouth of the harbour, there are excellent quays, giving a frontage of $13,580 \mathrm{ft}$., to which vessels drawing 16 ft . of water can npproach. There are Inrge bonded warchouses and good storeage, with facilities for landing goods \&c. Vessels of larger tonnage discharge at West Passage, 7 miles down the river, and 3 miles from the harbour's mouth, where there is an average depth of water of 38 ft .
The harboitr affords safe nnchorage in all weather for the largest merchant ships. It is a port of call for the American mail steamers, and for vessels arriving from the Mediterrancan \&.e. for orders.
The port enjoys a large coasting trade between London, Liverpool, Bristol, and Glasgow in goods under bond; exporting corn, butter, cattle, whisky and fish. The foreign imports consist of grain, wine, sugar, brandy, and wood.
The only port charges that ships are linble to are the harbour dues on tonnage and goods landed
There are 4 graving docks here- 2 at Cork, 1 at West Passage, and 1 at Monkstown Ferry, where there is large accommodation for the repair of ships.

Revenue of the Port for the 5 Years ended March 31.


The exports from Cork in the year 1860 amounted in value to 110,7031 . The principal article was butter. The customs collected in 1867 amounted to 319,783 l. There belonge 1 to Cork in 1866180 sailing vessels of a burden of 50 tons and under, giving a total tonnage of 4,497 ; over 50 tons 177 , tonnage 26,497 ; steam vessels 39 , tonnage $\mathbf{7}, 289$.

DOG (Fr. chien; Ger. hund; Ital. cane; Lat. canis familiaris). Of this quadruped, emphatically styled 'the friend and companion of man,' there is a vast number of varicties. But to attempt to give any description of an animal so well known would be quite out of place in a work of this kind; and we mention it for the purpose principally of laying the following accounts before our readers, with a remark or two with respect to Asiatic dogs.

Cuvier, the great Fiench naturalist, says, "The dog is the most complete, the most remarkable, and the most useful conquest ever made by man: every species has become our property; each individual is altogether devoted to his master assumes his manners, knows and defends his goods, and remaius attached to him until death; and all this proceeds neither from want nor constraint, but solely from true gratitude and real friendship. The swiftaess, the strength, and the scent of the dog have created for man a powerful ally against other animals, and were perhaps, necessary to the establishment of society.

IIe is the only animal which has followed man through every region of the enrth.'
It 18 singular, however, that neither Curier, i . any one $0^{f}$ those by whom his statements have been coplad, should have mentioned that tis account is applicable only to Europe. All Mo lammedan nations regard the tog as impure, ant will not tonch it without an ablution. The samp is also the case with the llindoos. from the IIellespont to the contines of Coehin-Chilla, in, are unappropriated, and liave ne master. The prowl about the towns and villages; and thuth they are naturally more familiar, they are in in respect more dumesticated, than the carrioncrami, kites, vultures \&c. which assist then in pet forming the functions of scavengers. In Cliza and Coc'in-China the dog is eaten as fool: is tlesh being, with the exception of that of the lis, the most common in their markets.
The changes in the law effected by 30 ritit c. 5 were, first, a reduction of the duty for each dog from 12s. to 5s.; secondly, the abolition fitie exemption of dogs used in tending or drising cattle or sheep; and, thirdly, the collection of the duty by means of a license for each day wonde the management of the officers of excise, intal of an assessment made by the persons appointith the district commissioners of taxes for each parid
The effect of these clanges may be seea fon the following statement of the

Number of Dogs charged to Assessed Taraint Year ended April ס5, 1866, together with hit Amount of Duty charged.


Number of E.rcise Dog Licenses granted intra April 1 and Noveniber 15, 1867, or abal months, and Amount of Duty charged.


The unnecessary multiplication of dose fir ticularly in large cities, is a very great misio: coming, as they often do, into the posisivan those who ars without the means of proiding them, they are frequently left to warde a dod the streets; and from ill usage, want of foder of proper attention, are apt, during hod trater to become rabid. In several places the ariok has attained to a formidable height; adir singular, considering the numerous find currences that have taken place, that no should sooner have been made to laveit dudel has grown to its presel:t excess, partly fra many exemptions having been granted fra duty, and partly from a want of care in ith a lection. The number of the former ham worlo lessened; and besides more rigidly caforing latter, it would be proper to enact that found wandering in the streets without found wandering in
should be impounded.
DOLLAR (Ger. thaler; Daa. and Smed No unit of monetary value has a wider cinder than this. It is used in Northem Gemmy, Scandinavian Kingdoms, China and the wor Archipelago, and in the Northam catimex America. It is rapidly becoming the witt
the curt Americ.a, licord of silrees. silrer. turr a Con mines at $J$ supply silvo and yarious reviation o corling to 1 orimated. The follow (1) hars curret 3t. Ystes :- laninh
Premen
the curreney in the colonies of British Nortl Ancrica, and great part of South Amerien.
Aecording to Mr. Yates (Current Coins. of All silver ${ }^{2}$ dollar originaily contained an ounce lini at about the beginning of the sixteenth centurr a Count Schlick, who possossed some silver mines st Josclimsthal in liohemia some silver supply silver coins weighing an oz to the tracted to and various German princes. It was from an ab brecistion of tho name Joachimsthaler that abcorting to Mr. Yates, the name thaler or dollanvirimated.
The followinf are the wights of the several dollars eurrent in various countries as given by

|  | graina. |
| :---: | :---: |
| Fintral America | : ${ }^{37}$ |
| Inath | 111 |
| Stetimhurs Schwerin | 17.51 |
| strus seatienents | 26.8 |
| Cmian | 4+8 |
| ${ }_{\text {Reratin }}$ | 4.8 |
| Avorectian | x.3 |
| Smanih | (6.29 |
| Pru. - | 7 |



## DRAWB.LCK

foratively little esteemed. The eider 557 finind on the western isiands of Seider duck is down is prineipally imported from Seotland, but the Iceland. In 1865, 23,875 ported from Norway and portud, valued at $3,5,875$ lbs. of down were im n 1866 only 2,805 lis. were im 1,041 lbs, exported. DRAGON'S BIOOS, were imported.
DRAWBACK.
signify the remittin or usel in Commeree to duties previously paid or paying back of the being exported. paid on a commodity of its A drawored.
a commodity affectel lev resorted to for enabling sold in tho foreign market taxes to be exported and it had not been taxed at all the same terms as if from a bounty-that the at all. It differs in this dity to be sold abroad the latter enables a commowhereas a drabroad for less than its natural cost whereas a drawbaek enables it to be sold exactl, at its natural eost. Drawbacks, as Adam Smith greater quantity not oceasion the exportation of a exported had no goods than nould have been not tend to turn duty been imposed. They do net tend to turn towards any particular employment a greater share of the eapital of the country accord, but only to that employment of its own away any part of that share duty from driving ments. They tend not share to other employwhich naturally eatabl to overturn that balanee which naturally establishes itself among ball the various employments of the society, but the it from being overturned by the cty, but to hinder not to destroy, but to preserve, what it is in tend cases advantageous to preserve - the noturat division and distribution of labour in the natural (p. 22!.)

Weru it not for the system of drawbels, enjoyed be impossible, unless when a coun, it to export any commoditior facilities of production taxed at home than a obviates this diffieulty, and; but the Arawback export commodities duties, and to sell them in the fome with heavy the same terms them in the foreign market on the same terms as those fetshed from countrics
where they are not taxed. Most foreign not taxed
may be warehoused for purted into this country In this case they pay no dubsequent exportation. and, of course, get no drawback being imported, sequent exportation.
Dometimes a drawback exceeds the duties laid on the article; and ins the duty or excess fuima a real bounty of that amonnt, and I'he Aet 16 considered.
elanses in relation to drawbacks:- 107 has the following
No drawback of drawbacks:-
any goods cleared for exportation allowed upon person intending to elaimportation unless the given due notice to the claim sueh drawback have prodiuced to ti:. searcher at of excise, and have such goods, a proper docum, at the time of elearing the officer of excise, document under the hand of such goods; and if suntaining the description of respond wis; and if such goods be found to correspond with the particulars of the goods cortained in such document, and be goods conand exported, the searcher be duly shipped certify such shipment upon shall, if required, shall transmit the same to suel document, and (See. 122.) No draw
tion er any $k$ to be allowed upon the exporta stores which goods entered for drawback or as of the drawbaek claim less valie than the amount entered shall be forfed; and all such goods so caused sueh be forfeited, and the person who caused such goods to be entered shall forson who
sum of $200 l$., or treble the amount of the sum of 2001 ,, or treble the amount of drawback

DUBBEL
658
claimed in such case, at the election
missioners of Customs. (Sec. on any tobacco not No drawback to bed from tobncco on which the wholly manufactured shrll have been paid, nor on duty on importation shnil dirt, rubbish, or other nny tobncco mixed with dirt, who shall enter or substance; and every persered or slipped, nny toship, or cause to be bneco contrary hercto, he may thereby incur uther penalties which of the drawback sought forfeit treble the nmount of the election of the to be obtained, or 200L, at the election tolaceo Cominissioners ol. (Sec. 124.)
shall be forfeited. (See. 124.) been cleared to be
If any goods whicin exported for uny draw back be not seas, or be unshiped or relanded to parts beyond the United Kinglom (such goods in any part of duly relanded or discharged as not having bed under the care of the proper oticers), short-siipped under of the Channel lasands (not or be carnied to any entered, cleared, and shipped to luaving becn or carried direct to such ith any ship, be exported be forfeited, togetther win used in so boat, or craft which may have been used such book, or ing, relandling, landing, or tho same were unshipping, the ship in which the saster of such goods for fortation; and the by whose orders shiy, and any person by whom or by whose oriped, or menns such goods shall have been so unbll aid, relnuded, landed, or carrica, of hall forfeit a sum assist, or be concerned value of such goods, $r \times$ a equal to treble the value of sum of the compenalty of $1002 .$, at the ens. (Sec. 135.)
missioners of Customs. Drawback. - When the ori-
Beer Exported on Dple is found to be less than ginal gravity of a sample is for, confirmatory exthat dectared are in every case performed to remove periments are in che accuracy of the result. The all doubt as to the accurted by samples in 1865 barrels of beer represented oy sa 1866, 353,320. were 421,565 in number, ant of Inland Revenue (Appendix to Elevcnth R
Commissioners, p. ximii.
[Denenture; mion wesel, bottle or jar, tion.]
DUBBER. A leathern vessel, \&otc. Barrels, used in India to hold oil, ghe ane entirely $n$ ns silcady observed [BARmELS Eastern countrics, Europenn invention. Liquids, in fasterncortation in are for the most part packed made of thin unleathern vessels: Dubbers are made of from $n$ tanned goat skins; and a
quart 11 to neal DOCKS,SHIPPING \&c. [Docks.] DUNDEGE. In Commercial Navigation, loose DUNNAGL. wood, consisting of pie laid in the bottom and against trees, the siarro when she is loaded with heavy goass]; the cargo when secoming too stiff [BALLASI be prevent her from prevent the cargo, should being or, secondly, to prege by water, from being susceptible of damage ber becoming leaky. A injured in the event of her becthy unless she be ship is not reckoned scaw orfuffient dunnage. provided with proper ary free of freight. (Lord Dunnage is, if nccesaw, Shipping, part iii. c. 3; Tenterden On the Law att. 'Dunnage.')
Tenterden On Storage, art. 'Dunnage.'
DYES AND DYE STUFFS. Materials that nfford different colour,
and imparts to other articles. as well as thei
Mankind i

## E

EARNEST. In Commercial Law, the sum alraneed by the buyer of goots in order to bind the seller to the terms of the agreement. It is caneted by the 17th section of the famous Statute dFrnuds, 29 Chas. II, c. 3, thet 'no contract for the sale of any goods, wares, and merchandises, lor the prices of 10\%, sterling or upwards, shall be allowed to be good, except the buyer shall accept part of the goods so sold, and actually receive the argain, or in part payment, or that some not the vemorandum in writing of the said bome note or ade and signed by the partics to be charged by pech coatact, or their agents thereunto lausfully mthorised.'
As to what amounts to sufficient carnest, hace is paid down, if it is but 'if any part ol the tion of the coods is it is but a penny, or any prion of the goods is delivered by way of earnest is binding.' To constitute earnest, the thing ast be girea as a token of ratification of the tract, and it should be expressly stated so by 2890.). (Chitty's Commercial Law, vol, iif. $\left.{ }^{289}\right)_{\text {fier }}$
be price, it apperatore the payment of the dre, subject only to the vendor's canhhl Laut, p. 485 .) canhit Law. p. 485.)
legoed; Fr. vaisselle (Ger.irdene waaren; Duteh glie, terraglie; $\$$ vaisselle de terre, poterie; Ital span. loza de bairo; Russ, ockery, as it is sometimes glinianæ naczynia), sort of houschold ues termed, comprises sort of household utensil made of elay wned in the fire. Its manufacture is, in nit of very considerable inportance; and midde of last century havade in it since folly to its extentury have contributed to the comfort and convenience added
re is scarcely, it has been well observed te in its gradual is so interesting to conas that of cartheuwarevement and exbeautiful a cartheuware, presenting, as it is us with the con of science and art, in life. Chemistry administers her parts of ating the several species of her part, by ning as well their species of earths, and 3 as the respective degrecs oppriate com ral compositions require of heat which the of antiquity, and produced fas stadied even more exquisite in form from then 7 which they have been form than the been provided in such ggested. The to suit every station such gradations of rest. It is to be seen from the highest st in every house, thevery eountry, America, in house, through the whole e countries of Europerts of Asia, and in d the less cleanly ind, by its canly vessels $f$ pewter and e means of our pooss, has been brought com substances originally housekeepers. tion has iaduced labourly of no value d created iaduced labour of such various created skill of such various degrees,
then douht that the lope had a right to issucsunt a bull, and that all states and empires were twand to obey it. In comsequence, the lortuguse wepe, for a lengthened period, allowed to prisecute this conquesty in ludia withont the interferenes if any other Earopean power ; and it was ant till a considerable periow nter the beriming of the wit which the blind and brutal bigotry of lhilip 11 . kindled th the Low Comitries, that the buth nnvigaturs began to diaplay their thag min the Fastern Icean, and had the foumbations of thit lidian empire.

The dexire to comply with the injuncion in the P'ope's bult, nud to nouid coning into collision, first with the Portuguese, nad mine quently with the Spaniards, who hind conquatid lortugal in 1580 , seems to have beent the phad$p^{\text {nal cause that led the bigu of llenty Vill, and }}$ bidward VI., and the carly part of the rimod Filizabeth, to dlscover a route to Indin ty a math west or north-east passage-chanmels from rhid the l'ortuguese would have hud no [retenele excluding them. llut these attempts hrim proved nusuccessful, and the l'ope's bull trin ceased to be of any effect in this comntry, linglish merchants and navigntori ciphed no longer deterred by the imaginary now ot Portuguese from by far the most lucatirn a was then recus branch of commerce. Captinis phens, who performed the voyage in liskm tirst Lnglishman who sailed to ludia by the (a of Good Ifope. The voyge of the fans: Francis Drake contributed greatly to dife spirit of naval enterprise, and to revig Laglish better acpuainted with the newly route to India. liat the voyage of the cetion Thomas Carendish was, in the latter N/ the most important. Cavendish sailed England in a little squadron, nitted out arded expense, in July 1586 ; and havio as far as greater part of the Indian Ocean, as absed Ihilippine lslands, and carelistic featured most important and chantres whe visited, reture Enginnd, fter a prosperous navigation, in tember 1088. Hut perhaps nothing enatr: so much to inspire the linglish with s to embork in the Indian trade as the en that were made nbout this perion fos Spaniards. A l'ortuguese East ludias carrack, captured by Sir Prancts Drade his expedition to the const of Spail, indsa cupidity of the merclants by the richnees cargo, at the same time that the paper board gnve specific information rispat traftic in which she liat been engiged. more important capture of the same made in 1593. An armament, fittel ont Last Indies by Sir Walter Raleigh, andemaz by Sir John llorroughs, fell in, naras the with the largest of all the lortuguse 1 ship of 1,600 toms burcien, cartying ? 00 36 brass cammon ; and, after an obstiaste carried her into Dartmonth. She mas vessel that lail been seen in Lugland; cargo, consisting of gold, spices, calika pearls, drugs, porcelain, ivory dc., esi ardour of tho English to engage in so commerce.

In consequence of these and other of causes, an associntion was formed in 1 1599 for prosecuting the trade to lo adventurers npplied to the Queea ot 10 incorpotation, and also for porer to 0 other English subjects, who had not

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license from them, from carrying on any speciea of tratfic beyond the Cape of tiool Hope or the Straits of Magellan. As exclislve companies were
then very generally lioked stmments for prosecuting most brunche best instrmanents for prosecuting unost branches of com-
merce and industry, the adventurery had little ditlleulty in obtaininers seem to have which was daled December 31, I600 poration was entitleyl'Tho Goverwor and Come corof Merchants of London trading into Company indies.' The tirst governor ('rading into tho Eist and 94 directors were nominated hin the charter.) but porer was given to the Company to elect depaty-govers. $\because$, and in future to elect their zovemur and directors, and such other oflico-bearers as they might think tit to appoint. They were entdither euporal or peyoiary, to intllet provishments, ditat curporal or pecuaiary, provided such punish in accorianco with ments were in accorlanco with the laws of myland; to export all sorts of goods free of iluty at years; and to export forcign coln or bullion oo the amount of 30,0001 . a-year, $6,000 \mathrm{l}$. of the we being prevlously coined at the mint; but bey were obliged to import, within 6 months tat the completion of crery voyage except the st, the same quantity of silver, goll, and fothe charter was had exported. The duration the chater was limited to a period of 15 years; toced for the public advantage, it mighere weelel at any time upon 2 ycars' notice being en. Such was the origin of the British liast dis Company, the most celebrated commircial miation of ancient or modern times, and which coume of time extended its sway over the whole
the Ilogel empirc.
might have been expected that, after the ter was obtaiaed, considerable eagerncss would t been manifested to engage not the case. much was not the case. Notwithstanding the att calls and thrents of the directors, many of adreaturers could not be induced to come Ind to pay their proportion of the charges as the lirectors out of the first expedition. to enfurce their resolutions to have wanted Dod to escrcise it, they formed a suborlin sociation, consisting of such mem a subordinkny as wero really willing to defray the cost vorage, rad to bear all the risks and losses ing it, oa condition of their having the exanght to whatever protits might arise from \$as by such suborlinate associations that Company's conducted during the first 13 years Company's existence.
anst expedition to Indin, the cost of which th of five ships, the largeluded, to 69,0911 .,
Her 130 tons the largest being 600, and refe principally bullion, The roods put on cutlery, glass \&c. The iron, tin, broad rusted to Captain James chicf command ady been in India. They set easter, who on February 13, 1601. Bey set sail from acquainted with the seas and very ime to visit, they did not arrive countries on, Aeheen in Sumatra, till Jue at their gh tedious, the royatra, till June 5, 1602. only prosperous. Lancaster on the whole, an treaties with the kingster entered into and having taken on bs of Acheen and pepper and other produce, he wasable oagh, in his way home, to fall in forare, in concert with a Dutch vessel, a ecarrack of 900 tons burden, richly 1603. (IModern Un the Downs on Sep1003. (Modern Unirersal Mistory, vol.

D'owers with India, n. Al Commerce of the l'urouean lut notwithita, p. \&l.)
this roynge, thanding the favonrablo result of yeary immedintely followints titted out in this consisting of larger ships, whe, thongh sometinues matecially inereaser ships, were uot, at an averape tained from the conirt In 1612 Coptain livest of ${ }^{2}$, ablo privileges; and at Delhi severnl considertablishing a factory at surnt others, that of eshencetorth looked upou surat, which city was station in the west of India, the principal fritish liombay.
III estnblish
Only tollowed the exampics in India, the Englisht Dutch. It was examplo of the Portuguese aud sary to sarve as contended that they were neces the comintry for exportation the poods collected in for those imported into Iun to linrope, as well ay not meeting with a ready mark ine event of their the ships. Such estandish market on the arrival of are not required in civilisents, it was alnittorl, peculiar and nusettled state of countries; but the render them Jhulispensato of India was saitl to weight may be nttached to there. Whatever obvious that factories formed thls statement, it is could hardly fail of sperined for such purposes n species of forts. specdily degenernting int ble property deposited in security of the 1 . hat cions pretext for putting them furni-hed a spewithstand an attack. Whilem in a condition, warchonsemen \&c. formed tue agents, clerks, Possessing such strongholds a sort of garrison. early emboldened to act in a the Europeans were sistent with their charncter a manner quite incona very short timo clapsed as merchants, and but form schemes for monopel before they began to particular districts, and acquiring commerce of ninion.
Though the Company met
losses during the complier part with several heavy India, from shlpwrecks and other their traffic with dents, and still more from ther inforeseen acriDutch, yct, on the whole, the the hostility of the profitable. There can, howe, the trade was decidedly their gains nt this carly period have loutle doubt thit much exaggerated. Duperiod have been very they are said to h. During the first 13 yeary But then it should be bornointed to 132 per cent. has justly stated, that the in mind, as Mr. Grant necomplished in less than 30 moges were seldom times extended to 3 than 30 months, and some further bo remarked, or 4 years; and it should ships at home, the cargens, on the arrival of the credits of 18 months or 2 were disposed of at lomer frequently even 6 or 7 ycars bears and that it was of a single voyage were ycars before the concerny of the Mistory of the Comlly acljusted. (Sketch these circumstances are thpany, p. 13.) When immediatcly be seen are taken into view, it will were not, really, bv any meane Company's profits represented. Still it means so great as has been ive to remark in it may not bo uninstruct wins then made ant the principal complaint that ceed so much onginst the Company did not proexcluding the public fre $r$ cimstance of its charter trgeoustraffic, as in itc ra any share in an advanexport gold and silver authorising the Company to It is true that the charter of of 30,0001 , a-yenr. Corupnay should import an stipulated that tho and silver within 6 months of thal quantity of gold every voyage; but the ens of the termination of contended that this enemies of the Company with, and that it wos condition was not complied the public interest, and contrary, highly injurious to allow gold and silver to be sent to all principle, to dom. The merehants and others int of the king00
nupport of the Company conli aot cont openly the reasoning of their opmenents without openty impugnligg the ancient policy of atmothrely prevertay onf the exportation of the preconsend, if the iden divt not, bowere, them, that the exportation of really occurred bast wiss advantagenus on the broad ground of the comenotities purchased by it being of greater value in lugland; but they conteuded that the exportation of bumon to Indin was advantageous hecanse the commo other connimported were chiefly re-exporter quantity of bultries from which a $n$, had bequired to pay lion was obtain Mr. Jhonas Mun, a director for them India Company, and the ablest of its arly advoentes, ingenionsly compares the operations of the merchant in conducting a trade earried on by the exportation of gold and silyer to the secd-time and harvest of agrichiture. habinadonly behold,' says he, man in the seed-ime, when wo shall accont him good corn into the , bus husbandinan; but when rather a maiman the harvest, which is we consider his fabours, $n$ a tind the worth and the end of hisence of his actions.' (Treasure by Foreign Trade, p. 50, ed. $166 \%$. )

We may here remark that what has been called the mercoutile system of political economy, or that system which measures the progress of a country in the eareer of wealth by the supposed balance of payments in its favour, or by the estimated excess of the value of its exports over that of its imports, appears to have originated in the excuses now set up for the exportation of iting the exportsthis cpoch, the policy of prombally admitted; but tion of bultion had been univenerally allowed that it now began to be pretty groductive of advantage, its exportation might be probarequent exportation provided it occasiont of raw or manufnctured proof a grenter anics whence bullion was obtained for ducts to coun, when compared with the previonsly them. Thing prejudice (for it hardly deveryes the name existingeni) which wholly interdicted the exportation of gold and silver, mnst be allowed to be a considerable step in the progress to sounder opinions. The maxim ce n'est que le premier pas qui route was strikingly veritied on this occasion. The advocates of the Enst India Compnny began gradually to assume a higher tone, and at length boldly contended that bullion was nothing but in commodity, and that its exportation should be rendered as free as that of anything clsc. Nor were these opinions confined to were gradually the East India Company-they many eninent merconmmunicated to others, nu with suspicion on sevechants were tanght to look dogmas with respect to commerce, and were, in consequence, led to acquire more correct and comprehensive vicws. The new ideas ultimately made their way into the House of Commons; and in 1663 the statutes prohibiting the exportation of forcign coin and bullion were repealed, and full liberty given to the East Indin Company and to private traders to export them in unlimited quantitics.

But the objection to the East India Company, or rather the East lndia trade, on the ground of its causing the exportation of gold and silver, adinitted of a more direct and conclusive, if not a more ingenious reply. How compendious soever the ancient intercourse with India by the Red Sea and the Mediterranean, it was unavoidably attended with a good deal of expense. The prodactions of the remote parts of $A \mathrm{sia}$, brought to
, or the ports on the Malabar const, br the , wero there put onl hoard the shlpa whin from the Arablan (iulf. At Derenice ther ded, and earried ly camels 250 milea of ks of the Nitr. 'Ihey were there azan nud conveyed down the Tiver to dere. and ande they were despatched to diffrent whence rucytion to the price of ganto by kets. The aldition to the price of ganns ber a multiplicity of operally as the price chern erable; more espectally as the price charent operation was tixed by monuphlist, sutbno competition or control. Pliny saro ecost of the Arabian and Indlan promest to tome when he tlourished (A.B. il) reased $n$ hundred-fold by the expenses if (Hist. Nat. lib. vi. c. 28 ) ; but there can tle or no doubt that this is to be regarled e torical exaggeration. There are gooljtrubh aking that the less bulky sorts of javen acts, such as silk, spices, bulsams, proci es \&c., which were those princlpally made Rome, might, supposing there were uf tienl obstaeles in the way, he converelfor parts of Indin to the ports on the Yeline n by way of ligypt, at a decidedly chere han they could be conveyed to them br tex e fool Ilope.
Sut at the period when the intter ronte to lot gegan to be frequented, Syria, Egypt de, were . cupied by Turks and Mamelukes-barbanianw expised commerce and navigation, and weat e same time, extremely jealons of streyn pecially of Christians or infidels. The phat commodit; btained through the inete on sucb $\quad 2$ was necesarily very ahnnced; a iscovery of the route of Cape of Goon. for, by putting an of most impertance, monopoly enjoyed by tha Turks and yamiay introduced, for the tirst time, someding ompetition into the Indian trade, and解 western parts of surepe that the Indian products for about , Mun, in a tract puliz previously cost. Mr. Nun, guantity of lodian noditios imported into Eurone, and the: when bought in Aleppo and in India, as shm

Cost of Indian Commodities consumed in it when bought in Aleppo (or Alexanditi, 11 s .

2 A , yor lb . $=$ at $45 . \overline{9} \mathrm{~d}$.
150,000 mace, at 4 s. 9 id. 12 .

$1,0100,00^{\prime}$ ) Persian raw sit, at $\boldsymbol{l}^{2}$ s.
But the same quantitics of the same var tics cost, when bought in the East Indiex, ing to Mr. Mun, as follows:-
lhs., 6,000 pepper, at 2 hd. per 15 .
450,1900 cloves, at $9 d$. .

350,060 indigo, at is. $2 d$.
$1,000,000$ raw silt, at 8 sf.
Which being deducted from the forma, balance of $953,542 l .13 \mathrm{~s}$. 4 d . And suppue the stataments made by Mr . Mun areas. that allowance is made for the differenct the freight from Nleppo and Indis would indicate the saving which Hepe o in the pure of the above-mentioned (A Discourse of Trade from England wo Indies, by T. M., original edition, p
ract, which is very scarce, is reprinted in l'ur has's Pilgrims.)

In the same publleation (p.3i) Mr. Mun inferms that, from the beginning of the Connpany's trate to July 1620 , they had sent 79 ships to luilin; of whinh is had come home safely and richly haden, that been worn out by long service In India, 2 hat beo lost in carcenint, 6 had beent lost by the mat we the sent 12 liad heen captured by the prils of the sea, ant 12 had been captured by the Dutch. Mr, Bi in further states that the exports for lulia alnee the formation of the Company bad fir munted to $8.10,3761$; that the produce brought wou India had coat 3 3ite, 288 ., and had produced irnia the coormous sum of $1,911,6001$; that the ha with the Dutch had oceasloned a lose of quarrest; and that tho stock of the Company, in hips goods in India de. amounted to 400,000 .
The hostility of the Dutch, to which Mr. Min had here alluted, was long a very furmidable obstele to the Company's suceess. The Dutch aly endeavoured to obtaill the exclasive posseseandy endew spico trade, and were not at all scrupulons as to the means by which they attempted to effict this their favourite object. The Jinslish, on their part, naturally exerted themselves Do whain a share of wo valuable a cominerce; aud wis neither party was disposed to absudon Its views anu pretensions, the most violent animosities grew urbetween them. In this state of things it would be ridiculous to auppose that unjustitiable acts. sere not committed by the one party as well as the other ; though the worst act of the Einglish the other ; hial when compared with the conduet of the Dutch in the massacre at Amboyna in 16?.2. While, however, the Duteh Company was rimonds supported by the Government at home, the Enulish Compray met with no efficient assistase from the feeble and vacillating policy of James and Chatles. The Dutch either despised their remonstrances, or defeated them by an unarent compliance; so that no real reparatlon was wasined for the outrages they had committed. During the civil war Indlan affairs were necesarily last ight of ; and the Dutch continued, unIt the acmumuey of the republienn party haut en estalishel, to reign triumphant in the ash where the English commerce was nearly nibilated,
But notwitbstanding their depressed cendition, Ce Company's servants in India laid the foundaoo, dunge the period in question, of the settleents at Mauras and in Bengal. Permission to ild Fort St. George was obtained from the nafe autlorities in 1640. In 1658 Mndras was ed to the station of a presidency. In 1645 Company began to establish tactories in Benthe principal of which was at Hooghly. These R, for a lengthened period, subordinato to the ;idency at Madras.
Po sooner, however, had the eivil wars termiad than the arms and councils of Cronwell resed the situation of our atfairs in India. The which broke out between the Lonr Parliaa and the Dutch in 1652 was eminently inmas to the latter. In the treaty of peace, conedia 1655 , it was stipulated that indemnitimasould be made by the Duteh for the losses mijuries sustained by the English merchants antorsin india. The 27 th article benrs, 'that unds, the States-General of the United I'roa shall take care that justice be done upon who were partakers or accomplices in the are of the English at Amboyna, as the recol Enghand is pleased to term that fact, ded any of them be living.' A commission \# the same time sppointed, conformably to ef article of the treaty; to enquiro into the
reciproenl chams which the subjects of the comtracting parties hand upons each other for losesow sustained in Indla, lirazil de, ; and, beon the decisinn, the Duteh paid the sum of $85,0(1) \%$, ts the East. India Company, and $3,515 J_{\text {, to }}$ the heirs or expentors of the sutferers at Anbuynn. (Hence's A manls, vil. 1. p. \$89.)
'I'I, charter moler which the liast India Come pany prosecuted their exchusive trade to India, beine merdy a grant from the Crown, mil not ratitfed by ainy Act of l'urtiament, was underatoral by the merchants to be at an ent when Charles is. was itepowd. 'They were enotirmend in this vinw of the matter from the circmastance of Charles having hluself gratuted, in 1635, , 4 charter to Sir b, illinm Gourten and others, authorisime them to trate with those parts of Indin with which the Company hal not established any regular Intercourse. The reasons allegel in justithation ot this measure, by the Crown, were, that the biast India Company had neglected to establish fortitlod factories, or seats of trade, to whieh tho Kiug's subjeets conll! resort with safety: that they hai consulted their own interesta ouly, withont any regard to the King's revenue; and in general that they had broken the condition on which thei charter aut exclusive privileges had been granted to then.' (Bym. Fadera, vol. xx. p. 1•t6.)
Courten's association, for the foundation of which such satisfuctory reasons hal been nssigned, contimued to trade with India during the remainder of Charles's relgn; and no sooner had the arms of the Conmonwealth foreed the Duteh to desist from their depredations, and to make reparntion for the injurics they had intlicted on the English in India, than private nilventurers engaged in great numbers In the Indian trade, and carried it on with a zeal, economy, and success that monopoly ean never expect to rival. Jt is stated in a little work, entitled Britumnia Languens, published in 1680, the uuthor of which has evidently been a well-informed and intelligent person, that during the years 1053. 1654,1655 , and 1656 , when the trade to India was open, the private traders imported East Indin commodities in such large quantities, nul sold them at such reduced prices, that they not only fully supplied the British markets, but had even come into suceessful competition with the Duteh in the market of Amsterdam, 'and very much sunk the actions (shares) of the Duteh East India Company.' (l', 132.) 'This circumstance naturally excited the grentest apprehensions on the part of' the Dutch Company; for, besides tho damger that they now ran of being deprived, by the netive competition of the English merehants, of a considerable part of the trade which thiey hail previonsly cnjoyed, they could hardly expect that, if the trade were thrown open in England, the nonopoly would be allowed to continue in Holland. A striking proof of what is now stated is to be found in a letter in the third volume of 'Thurlow's State Papers, dated at the Hague, January 10, 1654, where it is said that 'the merchants of Amsterdam have advice that the Lord Protector intends to dissolve the East India Company at London, and to deelare the navigntion and commerce of the East Indies free and open; which doth cause great jealonsy nt Amsterdan, as a thing that will very much prejudice th E East India Company in Molland.'
Feeling that it was impossible to contend with the private adventurers under a system of fair competition, the moment the treaty with the Dutch had been concluded the Company beran to solicit a renewal of their charter; but in this they were not only opposed by tho frec traders, but by a part of themselves. To understand how this happened, 002


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Child, having died during the course of these transactions, was succeeded in the principal manarement of the Company's affuirs in Indin by Mr. laux. On the appointmert of the latter, Sir Josiab Child, to whom he oived his advancement evorted him to act with vigour, and to carry whatever instructions he might receive from horry iato inmediate effect. Mr. Vanx return home answer, that ho should endeavour to acquit for edf with integrity and justice, and that he would make the laws of his country the rule of his cond fuct. Sir Josiah Child's answe rule of his con-arious:-'He told Mr, Vaux rountry letter is aspected his orders wer. Vaux roundly that lie he laws of England where to be his rules, anc? not ens ; compiled by a few ignwere a henp of nonmen, who hardly knew how to make laws gentlepod government of their own private for the moch less for the regulating private families, freign commercc.' regulating of companies and the East Indies, vol. i. p. 232.) ${ }^{\text {a }}$ New Account of Dunng the latter part of
land that of his successor the reign of Charles denturers, or interlopers, in the Indian private ncreseded in an unausual degree. The Indian trade, igoonsly oxerted themselves in Company hat they conceived to be their in defence of pestion with respect to the validity of the powe the aterred on them by their charter was at powers ought to issae by a prosecution carried on eir instane agaiast Mr. Thomas Sandys ant ding to the Esst Indies without their Iicense 8jo But this decision was of the Company in lemee; and instead of allaying ased to corrupt rease the clamour ayainst them only served to the Coorention Parlisment them. The meeting oxents bopes of a successful the Company's ts; and had they been united th to their valy have succeeded. Their opinion might ever, divided-part beiar for opinions were, eopen, and part for the formation throwing the pary on a more liberal formation of a new clomed into a body, and acting in materon, Whagete against the Company was chiefl. on this occasion are amongst that toon vefal in the hist are amongst the most opra and unblushing of the country. The br sill parties. 'It was pion was pracnide slould bribe the highest; public authorial ysto one or other as the inresistiche authority bexted') (Modern, Universal Mistory fee of 2i.) Goverament appears on the e teen favoursble to the Company, and pained $s$ fresh charter from the Crown in But in the following year the trade was haia open by a vote of the Ifouse of Comsbight to the subjects of England had an ed to trade to the East Indies unless eot or Act of Parliament.' Matters conan this footing till 1698. The pecuniary odduced them to armment was then innof $2,000,0001$, for which the Company interest. The Cotupany they offered 8 h,0001, at 4 per cent pany offered to adent was at the time so the credit of accepting an offer from the, that they * , who hal an offer from the associated heno hat previously opposed the ComEin? formed it 8 per cent., on condition Whblide this propect a new and exclusive ates of free trodect was in agitation, mpaleses to show there not idle, but aen Company, the ot, instead of estaBut, howerere conelusive, their to be
ments, having no alventition 565 in their favour, failed of matis recommendations The new Company was making any impression. of the Legislature ; was established by authority Company was not and as the charter of the oli was exlibited of yet expired, the novel spectacle each claiming an exclusgaly constituted bodies the same possessions! Notwitlestens.ins!
those who had ob tained the news chartet up by their struggle with the old Cone charter during mediately seen that they were apany, it was imlatter to suppress every were as anxious as the They had not, it was obvioung like free trade. auy enlarged views, but merely been actunted by by at the monopoly, which merely by a wish to srass dound to thenopy, which they believed would re lic, in consequ own individual interest. The reboth parties; or, if thecame equally disgusted with probable that the new Cere any ditference, it is with the greatest ar Company was looked' ypon naturally greatest aversion, inasmuch as we are to be duplicity and bad fed by what we conceive guised hostility. At first the
tions knew no bounds, liatred of the rival associaperceiving that such. But they were not long in destror ruin; and that whil would infallibly end destroy the other, the friends of free tabouring to
step in and step in and procure the diss of free tade might consequence they' became dissolution of both. In and in 1502, having became gradually reconciled; they resolved to form adjusted their differences, pany, entitled The Urm hemselves into one Comof Emylund trading onited Company of NerchanThe anthority of Parlizet Indies.
interposed to give effect to this a was soon after The United Company this agreement. 1,200,000\%. to Government withaged to advance as a previous advance had been maderest, which, at 8 per cent., made the totnl made of $2,000,0001$ the public 3,200,000L, total sum due to them by cent. ; and Government beariag interest at 5 per of their agreement and agreed to ratify the terms Iarch 25, 1726, with 3 to extend the eharter to While those importay years' notice.
at home, the Company had ters were transacting tional possessions in Indiad acquired some addiagency was transferred from In 1692 the Bengal In 1698 the Company acquire IIoghly to Calcutta of the grands two alljoinions of Aurengzebe, or Catcuth on udiciary erect fortifications. structed, and received in were soon after conIII., then king of receiv, in compliment to WillinWilliam then king of England, the name willian William. The agency at Bengal me of Fort hitherto been subsidiary only, was ang, which had The vigo presidency.
on, for some years cotition that had been carrie and new Compars before the coalition of the old rate traders, liad oceasioen them and the priimportation of Indian silks a great additienal roulucts, and a great siks, piece goods, and other Thesecircumstances at reduction of their price complaints amongs occasioned the most velueme. resorted to the argume home manufacturers, who on such occasions by those invariably made use of toreign competition by those who wish to exclude India goods had ben; affirming that mauufactured of Englnad; th been largely substituted for those been reduce that the English manufacturer hose ing nothing or of eruel necessity either of sellsueh a price as left seling their commolities at numbers of their workmen no protit; that great mumbers of their workmen had brotit; that great
emplont ; and, last of all, that Indian out of
were not bought by British goods, but by gold and silver, the exportation of which had caused the general impoverishment of the kiugdom! The merchants and others interested in the India trade could not, as had previously happened to them in the controversy with respect to the exportation of bullion, meet these statements without attncking the principles on which they rested, and maintaining, in opposition to them, that it was for the advantage of every people to buy the products they wanted in the cheapest market. This just and sound principle was, in consequence, enforced in several petitions presented to Parliament by the importers of latian goods; and it was also eniorced in several able publications that appeared at the time. But these arguments, how unanswerable soever they may now appear, had then but little influence; and in 1701 an Act was pnssed, prolibiting the importation of Indian manufuctured gouds for home consumption.

For some years after the re-establishment of the Company, it continued, to prosecute its efliorts to consolidate and extend its commerce. But the unsettled state of the Mogul empire, coupled witls the determination of the Company to establish factories in erery convenient situation, exposed their affairs to pelpetual vicissitudes. In 1715 it was resolved to send an embassy to Delhi, to solicit from Furucksur, an unworthy descendant of Aurengzebe, an extension and contirmation of the Company's territory and privileges. Address, accident, and the proper application of presents conspised to insure the success of the embassy. The grants or patents solicited by the Compnny were issued in 1717. They were in all 34 . The substance of the privileges they conferred was, that English vessels wrecked on the coasts of the empire should be exempt from pluader; that the annual payment of a stipulated sum to the Government of Surat should free the English trade at that port from all duties and exactions; that those villages contiguous to Madras formerly granted and afterwards refused by the Govermment of Arcot should be restored to the Company; that the island of Diu, near the port of Masulipatam, should belong to the Company, paying for it a fixed rent; that in Bengal, all persons, whether European or native, indebted or accountable to the Company, should be delivered up to the presidency on demand; that goods of export or import, belonging to the Euglish, might, under a dustuck or passport from the president of Calcutta, be conveyed duty free through the Bengal provinces; and that the English should be at liberty to purchase the loriship of 37 towns contiguous to Calcutta, and in fact commanding both banks of the river for 10 miles sonth of that city. (Grant's Shetch of the IIistory of the Eust India Compuny: p. 128.)

The important privileges thus granted were long regarded as constituting the great charter of the Euglish in India. Some of them, however, were not fully conceded, but were withheld or modified by the influence of the emperor's lieutenants, or soubahdars.
In 1717 the Company found themselves in danger from a new competitor. In the course of that year some ships appeared in India, fitted out by private adventurers from Ostend. Their success encouraged others to engage in the same line, and in 1722 the adventurers were formed inte a Company under a charter from his Imperial Majesty: The Dutch and English Companies, who hid so long been hostile to each other, at once laid aside their animosities, and joined heartily in an attempt to crush their new competitors. Remonstrances being found ineffectual,
force was reserted to; and the vessels of Ostend Company were captured, under the frivolous pretences, in the open sens and on consts of Brazil. The British and Dutch Go ments abetted the selfish spirit of hostility played by their respective Companies; nind Emperor was, in the end, glad to purchase support of Great Britain and Holland to the matic Sanction, by the sacrifice of the Compa Ostend.

Though the Company's trade had incrense was still inconsiderable; and it is very diti indeed, when one examines the aecounts have from time to time been published of Company's mercantile nffairs, to imagine how idea ever came to be entertained that their e merce was of any considerable, much less p mount, importance. At an average of the years ending with 1724 , the total value of British manufactures and other products annui exported to India amounted toonly $92,410412 \mathrm{k}$ The average valne of the bullion anana exported during the same period amounted $518,1021.11 \mathrm{~s}$.; making the total anaual aver exports $617,513 l$. 3 s . 10 d .-a truly pitififl s when we censider the wenlth, population, a industry, of the countries between whieh Company's commerce was earried oa, aud affo ing by its smalluess a strong presumptive $\rho$ of the effect of the monopoly in preventing res wth of the trade.
In 1730, though there were 3 years still wea pired of the Company's charter, a vigorous efíit was made by the merchants of London, Brita and Liverpool to prevent its renewal. It hes been said that the gains of the Compan! $u$ a they been exactly known, would not have ciride any very envious feelings on the part of 4 merchants; but, being concealed, they were aggerated; and the boasts of the Companys the importance of their trade contributed to oppat the belief that their profits were enormonsu consequently stimulated the exertions of tur opponents, Supposing, however, that the en state of the case had been known, there was ${ }^{2}$ enough to justify the utmost exertions on thep of the merchants; for the limited profits made the Company, notwithstanding their moned were entirely owing to the misconduct of to agents, which they had vainly endearourd restrain, and to the waste inseparable froms unwieldy establishments.

The merchants on this oceasion follomed example that had been set by the petitioness free trade in 1056. They offered, io the fint to advance the $3,200,0000$. lent by the Com to the public, on more favourable terms; and the second place, they proposed that the scribers to this loan should be formed regulated Company, for opeuing the trade, the most favourable circumstances, to all od o.: their countrymen.

It was not intended that the Comparys trade upon a joiut stock, nud in their wip capacity, but that every individual mbo of shotld trade in the way of private adra The Company were to have the clay erecting and maintaining the forts andete ments abroad; and for this, and for otheres attending what was called the culargeme preservation of the trade, it was propes they should receive a duty of 1 per cent of exports to India, and of 5 per eent wo imports from it. For ensuring ohedience and other regulations, it was to be erater no one should trade to Iudia without hean the Company ; and it was propn ithat ${ }^{3}$
with 3 years' notice, should bo granted as the an of their peculiar privilege.
It appars from this,' cays Mr. Mill, 'that the git which was proposed to be answered by incorpurating such a Company was the preservation puracection of the forts, buildings, and ollece and thalishments required for the trade of fisel estabis Company promised to supply that demand which has always been held forth as demand to the India trade, as the grand exigency pecuiar listinguishing tho traffic with India from whith, , mer branches of trade, rendered monopoly siruntareous ia that peculiar case, how much serer it might be injurious in others. While it serert id for this real or pretended want, it left the trade open to all the advantages of private enerprise, private vigilance, private skill, and mirate economy-the virtues by which indiridals thrive and mations prosper; and it gave the roposed Company an interest in the careful ratarte of its duty by making its profits increase - exact proportion with the increase of the trade, od of cousse, with the facilities and accommoation by which the trade was promoted
-Tiree petitions were presented to the House of manas in behalf of the proposed Company, by e mecthants of London, Bristol, and Liverpool It was urged that the proposed Company would, through the competition of which it would be roductir, cuuse a great extension of the trade; that it woull produce a larger exportation of our praproduceandmanufactures in India, and reduce he pice of all Indian commodities to the people thome; that new channels of traffic would be pened indsis and America as well as in Europe; rat the daties of ristoms and exciso would be reased; and that the wonate ind extravarance mieldy themonopoly would be entirely avoided. Vill's India, vol, iii. p. 37.)
Bat these arguments did not prevail. The mpany marnitied the importance of their trade d contended that it would be unwi.a to risk ranages alreaty realised for the sake of those at were prospective and contingent. They ergh that, if the trade to India were thrown entweprice of goods in India would be so much hanad by the competition of different traders, d their price in England so much diminished, It the freedom of the trade would certainly end the ruin of all who had been foolish enough to realure in it. To cnlarge on the fallacy of ke tatements would bo worse than snperfluous. sobrious that nothing whatever could have orisked, aud that a great deal would have been ped by opening the trade in the way that wns posed. And it it were really true that the le to Iddia ought to be subjected to a monopoly, the traders by their competition should ruin other, it would follow that the trade to mien-and not that only, but every branch of the foreigu and home trade of the empire ould be surrendered to exclusive Companies such as the Company's arguments were, they ed satisfactory to Parliament. They, however, exted to reduce the interest on the debt due $k m$ by the public from 5 to 4 per cent., and atated a sum of 200,000 . for the public serOn these conditions it was agreed to extend exdusire privileges to Lady-day 1766, with etwary addition of 3 years' notice.
tabont 15 years from this period the Com-
iffairs weat on without any very prominent退. But notwithstanding the increased imboa of tea, the consuniption of which now rapily fo extend, their trade continued to paratively insiguiticment. At an average of rears ending with 1741 , the value of the

Britisi: goods and prodicts of all sorts, exported by the Company to India and China, amounted to ouly 1:7,944l. 4s. 7d. a-year! During the 7 years ending with 1748 they amounted to only $188,176 \mathrm{c}$. 16 s . 4 d . When It is borne in mind that these exports included the military stores of all sorts forwarded to tho Company's settlement. in India and at St. Melena, the nmount of which was at all times very considerable, it does appear exceedingly doubtful whether the Company really exporterl, during the entire period from 1730 to $1748,150,000 l$, worth of British procluce ns a legitimate mercantile adventure! 'l'heir trade, such as it wns, was entirely carried on by ship)ments of bullion; and even its annual average ex port, during the 7 years ending with 174 x only amounted to 548,711 . 19s. $2 d$. It wonl seem, indeed, thas the Company had derived no percept:ble advantage from the important concessious obtnined from tho Mogul emperor in 1717. But the true conclusion is, not that these concessions were of little value, but that the dead ening influence of monopoly had so paralysed the Company that they were unable to turn them to account; and that, though without competitors and with opulent kingdoms for their customers, their commerce was hardly greater than that earried on by some single merchants.
In 1732 the Company were obliged to reduce their dividend from 8 to 7 per eent., at which rate it continued till 174 .

The opposition the Company had experienced from the merchants when the question as to the renewal of their charter was agitated in 1730 made them very desirous to obtain the next renewal in as quiet a manner as possible. They therefore proposed, in 1743, when 23 vears of their charter were yet unexpired, to lend $1,000,000$ l. to Government, at 3 per cent., provided their exclusive privileges were extended to 1780 , with the usual notice; and, as none were expecting such an application, or prepared to oppose it, the consent of Government was obtained without ditliculty.
But the period was now come when the mercantile character of the East India Company-if, indeed, it could with propricty bo at any time said to belong to them-was to be eclipsed by their achievements as a military power, and the magnitude of their conquests. For about two centuries after the Europeas powers began their intercourse with India, the Mogul princes were regarded as amongst the most opulent and powerful of monarchs. Though of a foreign lineagebeing descended from tho famous Tnmerlane, or Timur Beg, who overran India in 1400-and ot a different religion from the great body of their subjects, their dominion was tirmly established in every part of their extensive empire. The atministration of the different provinces was committed to officers, denominated soubnhdars, or nabobs, intrusted with powers, in their respective governments, similar to those enjoyed by the Roman pretors. Solong as the emperors retained any considernble portion of the vigour and bravery of their hardy ancestors, the different parts of the government were held in duo subordination, and the soubahdars yielded a ready obedience to the orders from Delhi. But the emperors were grachually debauched by the apparently prosperous condition of their aflairs. Instead of beinir educated in the council or the camp, the heirs of almost unbounded power were brought up in the slothful luxury of tho seraglio; ignorant of public affars; benambed by indolence; depraved by the thattery of women, of eunuclis, and of slaves; their minds contracted with their enjoyneents; their iuclinntions were vilified by their habits; and
their government grew as vicions, as corrupt, and as worthless as themselves. When the famous Kouli Khan, the usurper of the lersinn throne, invoded India, the etfeminate suecessor of Tamerlane nnd Aurengzebe was too unprepared to oppose, and too dnstardly to think of avenging, the nttack. This wns the signal for tho dismemberment of the monarchy. No sooner had the invader withdrawn than the soubaldars either openly threw ofl their nllegianco to the emperor, or paid only a species of nominal or mock deference to his orders. The independence of the soubnhdars was very soon followed by wars nmongst themselves; and, being well nware of the superiority of Europenn troops and tactics, they anxiously courted the alliance and support of tho French and English East India Companies. These bodies, having espoused different sides, according as their interests or prejudices dictated, began very soon to turn the puarrels of the soubahdars to their own account. lustead of being contented, as hitherto, with the possession of factories and trading towns, they aspired to the dominion of provinces; and the struggle soon came to be, not whieh of the native princes should prevail, but whether the English or the French should become the umpires of India.

But these transactions are altogether foreign to the subject of this work ; nor could any intelligible ncconnt of them be given without entering into lengthened statements. We shall only, therefore, observe that the affairs of the French were ably conducted by La Bourdonnais, Dupleix, and Laikly. othicers of distinguished merit, and not less celebrated for their grent actions than for the base ingratitude of which they were the victims. But though victory seemed at first to incline to the French and their nllies, the English affairs were effectually retrieved by the extraordinary talents and address of a single individual. Colonel (afterwards Lord) Clive was equally brave, cautious, and enterprising; not scrupulous in the use of means; fertile in expedients; endowed with wonderful sagacity and resolution; and cnpable of turning even the most apparently adverse circumstances to advantage. Having succeeded in humbling the French power in the vicinity of Madras, Clive landed at Calcutta in 1757, in order to chastise the soubahdar, Surnjah ul Dowlah, who had n short while before attacked the English factory at that place, and inhumanly shut up 146 Englishmen in a prison, where, owing to the excessive heat and want of water, 123 perished in a single night. Clive had only 700 European troops and 1,400 Sepoys with lim when he landed; but with these, and 570 sailors furnished by the fleet, lie did not hesitate to attack the immense army commanded by the soubahdar, and totally defeated him in the famous battle of Plassey. This victory threw the whole provinces of Bengal, Bahar, and Orissa into our hands, and they were finally confirmed to us by the treaty negotiated in 1765.

Opinion has been long divided as to the policy of our military operations in India; and it has been strenuously contended that we should never have extended our conquests beyond the limits of Bengal. The Legislature seems to have taken this view of the matter; the House of Commons having resolved, in 1782, ' that to pursue schemes of conquest and extent of dominion in India are measures repugnant to the wish, the honour, and the policy of this nation.' But others have argued, and apparently on pretty good grounds, that, having pone thus far, we were compelled to atvance. The native powers, trembling at the ineri aso of British dominion, endeavoured, when too late, to make head against the growing evil. In this view they entered into combinations and wars against
the English; and the latter having been uniformp victorious, their empire necessarily went on if. creasing, till all the native powers have been swal. luwed up in its vast extent.
The magnitude of the acquisitions made bo Lord Clive powerfully excited the attention of the British public. Their value was prodicionsly exaggerated; and it was generally admitted that to Company had no legal claim to enjoy, during the whole period of their charter, all the adsurita resulting from conquests to which the fleets and urmies of the stato had largely coatributed, 1767 the subject was taken up by the llouse o Commons ; and a committee was appointed to is. vestigate the whole circumstances of the case, and to calculate the entire expenditure incurrel tr the public on the Company's account. Darin? the agitation of this matter the right of the Cio. pany to "he nev conquests was totally denied br several members. In the end, however, the qua tion was compromised by the Company agrein to pay 400,0001. a-year for 2 years; and in lifis this agreement, ineluding the yearly payment, wa further extendea ior 5 years more. The Coz pany at the san te time increased their dividen which hal been fixed by the former ", reemena 10, to $12 \frac{1}{2}$ per cent.
But the Company's anticipations of incraw revenue proved entirely risionary. The rapidis of their conquests in India, the distance of tuecic. trolling authority at home, and the shuses inty Government of the native princes, to whom Company had succeeded, conspired to fext 1 strong spirit of peculation among their serres Abuses of every sort were multiplied to a frightal extent. The English, having obtained, of ine enforced, an exemption frons those heavy theit duties to which tho native traders were stigith engrossed the whole internal trade of the coutr They even went so far as to decide what quaztit of goods each manufacturer should deliser e what he should receive for ihem. It is daetout directors to say that they exerted themserat repress these abuses; but their resolations 呢 neither carried into effect by their sermathi India, nor sanctioned by the proprietors st bew: so that the abuses, instead of being represe went on acquiring fresh strength and virivas The resources of the country were rapilly is paired; and while many of the Compsnyssemu returned to Europe with inmease fortune Company itself was involved in debt and dixa ties; and so far from being able to pay the ant lated sum of $400,000 \mathrm{l}$. a-year to Goverament , compelled to apply in 1772 to the Treasurim loan!
In this crisis of their affairs Govermmet : terposed, and a considerable change was may the constitution of the Company. The diriad was restricted to 6 per cent. till the sard $1,400,000 l$., advanced to them by the public, , 2 ded be paid. It was further enacted that the couts directors should be elected for 4 years, 6 mend annually, but none to hold their seats for than 4 years at a time; that no person was the at the courts of proprietors who had not sessed his stock for 12 months; and thet amount of stock required to qualify for should be increased from 5001. to 1,0002. Thes dietion of the Mayor's Court at Caleuts rui fiture confined to small mercantile cases; mis lieu of it, a new court was appointed, consity of a chicf justice and 3 principal judges apputix by the Crown. A superiority was also giva Bengal over the other presidencies Mr. Wimp Hnstings being named in tho Act as gormat genernl of India. The govemor-generin tox
cillors, and any concern reviding in $t$ to take mor moaey. Th measures iven At this peri pietors of E
fieations as $t$ were as follow

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n 1781 the excl
direre extended diridend on the rent.; three fort paying the divic able to Governme de serice, and $t$ pany's own use. 1880 the valute res exported by amounted to d daring the s ralue of the $e$. $12,6+8,6161$; she formed only eforeign trade o e administrstion slaed scene of wa state of the cor d, became wors il minute by nber 18,1789 for wild beasts for wild beasts
of their servants hstaading, the and Orisea, wh 26,766l, declin ed in the of th in the rar in ed the Compan asable to meet o present a pet heir inability $t$ 0. a.jear to th drom that pa san of 900,0002 .
dillors, sud judges were prohilited from having allors, and whatever in trade; and no person any cons in the Company's settlements was allowed teriaing more than 12 per cont. per araum for money. Though strenuonsly opposed, these measures were carried by a large majority.
At this period (1773) the total number of prorietors of East India stock, with their qualifications as they stood in the Company's book, rerc as follows :-


Xotrithstanding the vast extension of the Coma's terntorics, their trade continued to be parently insignificant. During the 3 years ding with 1773 the value of the entire exports Bntish produce and manufaetures, inc'uding filitary stores, sent out by the Company to India d China, amounted to $1,469,411 l$., being at the te 489,803 l. a-year ; the annual exports of 111 in daring the same period being only $84,9331$. ! uning the same 3 years 23 ships sailed annually India. The truth, indeed, seems to be, that, t for the iacreased consumption of tea in Great itain, the Company would have entirely ceased carry on say branch of trade with the East, it that the monopoly would have excluded us effectanlir from the inarkets of India and China If the trade had reverted to its ancient channels, the route by the Cape of Good Hope been requished.
n 1 1i81 the exclusive privileges of the Com$y$ were extended to 1791 , with 3 years' notice; dividend on the Company's atock was fixed at er cent.; three fourths of their surplus revenues, paying the dividend and the sum of $400,000 l$. able to Goverument, was to be applied to the lic senice, and the remaining fourth to the pany's own use.
1180 the value of British produce and manuares exported by the Company to India and ha smounted to only $386,152 l$.; the bullion exd during the same year was 15,0141 . The ralue of the exports during the same year 12,648,6161.; showing that the East Indin formed ouly one thirty-second part of the eforeign trade of the enipire.
e sdministration of Mr. Hastings was one nued scene of war, negotiation, and intrigue. gtate of the conntry, instead of being im. beeame worse; 80 much so, that in a al minute by Marquis Cornwallis, dnted mber 18,1789 , it is distinctly stated 'that ird part of the Company's territory is now a - for wild beasts.' Some abuses in the conof theit servants were, indeed, rectified ; but, thstanding, the nett revenue of Bengal, , and Orisea, which in 1772 had amounted ch2,766l, declined in 1785 to $2,072,9031$. thaustion of the comntry, and the expenses ed in the war with IIyder Ally and France, ed the Company in fresh difficultios; and uaable to meet them, they were obliged in opresent a petition to l'arliament, setting hheir insbility to pay the stipulated sum of N, a.jenr to the public, and prnying to be dsom that payment and to be supported Ps of 900,0001 .

All partics seemed now to be convinced that some further changes in the constitution of the Company had become indisponsable. In this crisis Mr. Fox brought forward his famous India Bill, the grand object of which was to abolish the courts of directors ind proprictors, and to vest the government of India in the hands of sever commissioners appointed by Parliament. The coalition betweon Lord North and Mr. Fox having rendored the ministry exceedingly unpopular, ndvantage was taken of the clrenmstance to raise an extrnordinary clamour against the bill. The East India Company stigmatised it as an invasion of their chartored rights; though it is obvious that, from their inability to carry into effect the stipuIntions under whict those rights were conceded to them, they necessarily reverted to the public ; and it was as open to Parliament to legislate upon them as upon any other question. The political opponents of the Government represented the proposnl for vesting the nomination of commissioners in the Legislature as a daring invasion of the prerogntive of the Crown, and an insidious attempt of the minister to render himsolf all-powerful b: adding the patronage of India to that already in his possession. The bill was, however, carried through the House of Commons; but, in consequence of the ferment it had excited, and the avowed opposition of his Majesty, it was thrown out in the Honse of Lords. This event proved fatal to the Coalition ministry. A new one was formed, with Mr. Pitt nt ita head; and Parliament being soon nfter dissolved, the ridw minister acquired $n$ decisive majority in both Houses. When thus secure of Parlinmentary support, Mr. Pitt brought forward his India lill, which was successfully carried through all its stages. By this bill n IBonrd of Control was erected, consisting of six members of the privy councl, who were' to check, superintend, and control all ncts, operations and concerns which in anywise relate to the civi or military governmont or reverues of the territorios and possessions of the East India Company. All communications to or from India, touching any of the above matters, were to be submitted to this Board; the directors being ordered to yield obedience to its commands, and to nlter or nmend all instructions sent to India as directed by it. A secret committee of three directors was formed with which the Bonrd of Control might transact any business it did not choose to submit to the court of directors. Persons returning from India were to be obliged, under very severe pennlties, to declare the amount of their fortunes; and n tribunal was appointed for the trial of all individuals accused of misconduct in India, consisting of a judge from each of the Courts of King's Bench, Comnion Pleas, and Exchequer; 5 members of the House of Lords, nnd 7 members of the House of Commons ; the last being chosen bv lot at the commencentent of each session The superintendence of all commercial matters continued, as formerly, in the hands of the directors.

During the administration of Marquis Cornwallis, who succeeded Mr. Hastings, Tippoo Saib, the son of Hyder Ally, was stripped of nearly halt his dominions; the Company's territorial revenue was, in consequence, greatly incrensed; at the same time that the permanent settlement was carried into effect in Bengnl, and other inpportant chnnges accomplished. Opinion has been long divided as to the influence of these chnnges. On the whole, however, we are inelined to think that they have been decidedly advantageous. Lord Cornwallis was, beyond all question, a sincere friend to the people of India, and laboured earn-
have been passed for the appropriation of aupluses estly, if not nlways successfully, to prontitied with interests, which he well knew were dentined with those of the British nation.

During the 3 years ending with 1793 the value of tho Company's exports of British produce and manufactures fluctuated from $9: 8,783 \%$, to $1,031,2622$. But this increase is wholly to bo ascribed to the reduction of that consequently took and the vast in its consumption. [Ten.] Had the pansumption of tea continued stationary, there appear no grounds for thinking that the Company's exports in 1793 would have been greater thall in 1780, unless an increase had taken place in the quantity of military stores exported.

In 1793 the Company's charter was prolonged till March 1, 1814. In the Act for this purpose a species of provision was made for opeuing the trade to India to private individuals. All his Majesty's subjects residing in any part of his European dominions were alue or manufacture of India any article ofions, except military stores, amthe British doasts, arars, cordage, pitch, tar, and munition, and the Company's civil servants in India, copper, free merchants resident there, were allowed to ship, on their own account and risk, all kinds of Indian goods, except calicoes, dimities, muslins, and other piece goods. But neither the merchants in England, nor tho Company's servants or merchants in India, were allowed to export or import except in Company's ships. And in order to insure such conveyance, it was enacted that the Company should amnually appropriate 3,000 tons of shipping for the use of private pay ders; it heing stipulated that the $15 l$ homewards, in time of peace 5 . outwards, an in the Company's for every ton occupied freight might be raised in ships; and that this frobation of the Board of and indeed most probably
It might have been, and British merchants or was, foreseen that manufacturers wouldege of sending out goods in selves of the pror ongaging in a trade fettered on ships by the jealousy of powerful monopolists, and where consequently their superior judguient and economy would have availed almost nothing. As far, therefore, as they were concerned, the relaxation was more apparent than real, and did not produce any useful results. (In a letter to the East India Company, dated March 21, 1812, Lord Melville says: 'It will not he denied that the facilities granted by that Act [the Act of 1793 ] have not been satisfactory, at least to the merohants either of this country or of India. They have been the source of constant dispute, and they lave even entailed a heavy expense upon the Company, without affording to the public any adequate benefit from such a sacrifice. Papers published by Eust India Company, 1813, p. 84.) It was, however. made use of to a considerable extent by private merchants in India, and also by the Company's servants returning from India, many of whom invested a part, and some the whole of their fortune in produce fit for the European markets.

The financinl diffculties of the East India Company led to the revolution which took place in its government in 1784. But notwithstanding the superintendence of the Board of Control, its finances have continued nearly in the same unprosperous state as before. We have been favoured from time to time with the most dazzling accounts of revenue that was to be immediately derived from India; and numberless Acts of Parliament
D. Whi, the aucient s rarious other import reeaue, which had 199i, wasinerensed to expeases of governm delt, increased in a s the revenae, havin 10,5i, 0000l., leaving the fullowing year L., $, 0,100$. , while the
te same; and thero tinued excess of expe cial charges, and a cor (n) $\times 11-12$.

Sotwithstanding th Heir territories, the
hem cootinued to be ng the 5 years endin olia by the Conpan a acount of individi

Delhi, the ancient seat of the Mogul empire, and arius whit bad umometed to $8,059,000 \mathrm{l}$ in Revenue, incense to 15,403,000. in 1805. But the i gi, wasince expenses of government, am e the murat of the debt, increased in a still greater proportion than debt, increase, haring amounted in 1805 to the 1000 , leaving a deficit of $2,260,0001$. In ,he following year the revenue fell off nearly the follow. Wite the expenses continued nearly Now 1000 ., while the expenses continued nearly the same; and there was, at an average, a contisued excess of expenditure, including comercited dirges, and a contraction of fresh debt, down 6 $1811-12$.
Sotwithstanding the vast additions made to ir territories, the Company's commerce with armed to considerable. Dur ban continued ending with 1811, the exports to ti s be the Company, exclusive of those made ant of individuals in their ships, were a der:-

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 Year$:$
$-1,010,815$ - sui, 15

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The exports thy the private trade, and the pririerie, that is, the commanders and officers of Company's ships, during the above-mentioned rr, were about as large. During the 5 years ding with 180 i- 8 the annual average imports ${ }_{5} 0$ India by British private traders, only Punted to 3 in, 4961. (Papers, published by the st lydia Company in 1813, ito. p. 56.)
The Company's exports included the value of military stores sent from Great l3ritain to InThe ships employed in the trade to India China dung the same 5 years varied rom 33, and their burden from 36,671 to 45,342
or some years before the termination of the parr's charter in 1813, the conviction had gaining ground among all classes that the tote East was capable of being very greatly need; and that it was solely owing to the of caterprise and competition, occasioned being subjected to a monopoly, that it was ned within such narrow limits. Very great sere, consequently, made by the manufacg and commercial interests to have the morect aside, and the trade to the East thrown The Company vigorously resisted these premss, and had interest enough to procure a proion of the privilege of carrying on an exclumade to China to April 10, 1831, with 3 years' ; the Goverament of India being continued ir hands for the same period. Fortunately; er, the trade to India was opened, under erconditions, to the public. The principal of conditions were, that private individuals trade, directly only, with the presidenCalcutta, Madras, and Bombay, and the Penang; that the vessels fitted out by mould not be under 350 tons burden; and key should abstain, unless permitted by the ar or the Board of Control, from engaging carrying trade of India, or in the trade beIndia and China. And yet, despite these antares, such is the energy of individual se as compared with monopoly, that the traders gained an almost immediate as$8 y$ over the East lidia Company, and in a ort time more than trebled our trade with Report of the committee of the House of the foreign trade of the country, printed 1821, it is stated that 'the greatly inconsumption of British goods in the East commencement of the free trade cannot
be accounted for by the demmil of European restdents, the number of whom does not materially vary; and it appears to have been much the greatest in articles calculated for the general use of the natives. That of the cotton mamfactures of this country alone is stated, sine the first opening bit the trade, to have been assented from four to five-fold [it is now (lxfi8) augmented many hundreds of times]. The value of the merchandise exported from Great Britain to India, which amounted in 181.1 to $870,17 \bar{i} l$., amounted in 1819 to $3,052,7411$. [this is the amount of the Company's exports only, and the sum is not quite accurate. Post |; and although the market appears then to have been so far overstock el as to occasion a diminution of nearly $\frac{1}{2}$ in the exports of the following year, that diminution appears to have taken place more in the articles intended for the consumption of Europeans thin of natives; and the trade is now stated to the committee by the best informed persons to be reviving. When the amount of population, and the extent of the country over which the consumption of these articles is spread, are considered, it is obvious that any facility which can, consistentry with the political interests and security of the Company's dominions, he given to the private trader for tho distribution of his exports, by increasing the number of ports at which he may have the option of touching in pursuit of a markelt, cannot fail to promote a more ready and extensive demand.'
Besides the restraints imposed by the Aet of 1813 on the proceedings of the free traders (these restraints were a good deal modified by the 3 Geo. IV. c. 80 , passed in pursuance of the recommendatior of the committee quoted above), they iregently experienced very great loss and inconvenience from the commercial speculations of the East India Company. The latter had commercial residents, with large establishments of servants, some of them intended for coercive purposes, statoned in all the considerable towns; and the Marquis Wellesley has stated 'that the intimaion of a wish from the Company's resident is always received as a command by the native mannfacturers and producers.' The truth is, that it was not in the nature of things that the Compay's purchases count be fairly made: the naives could not deal with their servants as they would have dealt with private individuals; and it would be absurd to suppose that agents authorised to buy on accomt of Government, and to draw on the public treasury for the means of payment, should generally evince the prudence and diseretin of individuals directly responsible in their own private fortunes for their transactions. The interference of such persons would, under any circunstances, have rendered the East India trade peculiarly hazardous. But their influence in this respect was materially aggravated by the irreguclarity of their appearances. No individual, not belonging to the court of directors, could foresee whether the Company's agents would be in the market at all; or, if there, to what extent they would either purchase or sell. So capricious were their proceedings, that in some years they laid out $700,000 \mathrm{l}$. on indigo, while in others they did not lay out a single shilling; and so with other things. A fluctuating demand of this sort necessarily occasioned great and sudden variations of price, and was injurious alike to the producers and the private merchants.
And besides being injurious to the private trader, and to the public generally, both in India and England, this trade was of no advantage to the East India Company. low, indeed, could
it le otherwise? A Company that maintained armies and retailed ten, that cnrried a sword in one hand and a ledger in the other, was a contradiction; and, had.she traded with success, would liave been a prodigy. It was impossible for her to pry that attention to details which is indispensnhle to the carrying on of commerce with ndvantage. She may have gained something by the monopoly of the tea trade, though even that is inestionntle; but it is admitted on all hands that whe lost heavily by her trade to India. When, therefire, the question as to the renewal of the charter came to be discnased in $183: 3$ and 1833 , the Company had no reasonable objection to urge against their being deprived of the privilege of trading, And the Aet 3 at 4 Win. IV. c. 85 , for continuing the charter till 1854 , terminated the Company's commercial character, by enacting that the Company's trade to China was to cease on April 22, 1834, and that the Company was, as soon as possible after that date, to dispose of their stocks on hand and close their commercial business; and the wonderful increase that has since taken place in the trado with the East is the best proof of the sagneity und soundness of the opinions of those by whose efforts the incubus of monoproly was removed.

From this period down to 1858, when the Company was, as a governing body, tinally abolished, its functions were wholly political, and the directors were, in truth, little more than a council to nssist and advise the I'resident of the Board of Control. During the period now alluded to (from 1834 to 1858 ) some most important events have taken place in India. The British Empire has been increased by the acquisition in 1845 of the territory of Scinde, at the mouths of the Indus; in 1849 of the extensive and fertile country of the Punjab (Fjve Rivers), in N.W. India, between the Sutlej and the Indus; and in 1852 of Pegu and Martaban in Burmah. Being occupied by comparatively brave and hardy races, the subjugation of Scinde and the Punjab was not effected without much difticulty, and after the occurrence of sevcral well-fought battles.
The period referred to is also distinguished by the ill-advised invasion of Affighanistan in 1839. This unprovoked aggression led to the greatest reverse that has ever happened to the English in India. But the disastrous retreat from Caubul having been avenged, and the prestige of our arms restored, we finally withdrew from the country in 1812. And it is to be hoped that we may never ngain, unless from the most urgent necessity, attempt to extend our empire in that quarter beyond its present limits.
A conviction had been for a Iengthened period gaining ground, that the Company's intervention in the Government of India had become inexpedient, and that it should be directly administered by the Crown. In 1853 a step was taken in this direction by the Act $16 \& 17$ Vict. c. 95 , which reduced the number of directors from 24 to 18 , part of which were to be nominated by the Crown, and made other ehanges. It is not casy to say how long this moditied system might have gone on, had it not been for the outbreak of the gigantic mutiny of 1857 . It would be foreign to our object to introduce details with respect to the origin of this insurrection, its progress and suppression. These are known to all our rcaders. Here it is sufficient to mention that the incipient prejudice arainst the Company having been strengthened, though without much reason, by the clisasters in India, advantage was taken of their occurrence to introduce a bill into Parliament for transferring its government from the Company to the Crowa,

Which soon after (August 2, 18.58) became the Act 21 \& 22 Vict.c. 106. Thus has tenniaged ntter a prolonged existence of alout 258 y yase, 㤢 Fast India Company, the most celebratel piate stock association of which listory has presered. any necount. (It still exists in name for cood routine matters; but it is probable that this phase tom, magni nominis umbra, will speedily dispppese Its commercial had long been sunk in its miture and political clanracter. It had suljugated oned ${ }^{\text {d }}$ the most extensive empires in the work thed though its policy has been in many respecta of a very questionable description, it is eatithe to th high praise of having vigorously exerted ite if it restrain abuses on the part of its servants, to po tect the vast population withm its dominion, provide for their woll-being.
The government of India is now vestel, ander the $21 \& 22$ Vict. c. 106, in a Secretary of sac nssisted by a council of 15 members: 8 of the latter were nominated by her Majesty, and iby the East India Company. On vacancies that phee among the former, their successors ant tole nominated by the Crown; and vacancies avig the Company's nominces are to be filled op ha election by the council. Members hati the situntions during good behaviour, receireasing of 1,2001 . $n$-year, and a retiring pension of ${ }^{2}$, year. The majority of the council are to chis of persons who have either served or reaide India for 10 years. They are not allowed wi in I'arliament.
11. East Indies (State of Socien a growing Demand fol: Exolisin Gom 'Ilade, Colonisation, etc.),

1. Distinetion of Castes in India. Jnam of the Representations as to the Iulabituthem unulterably attached to ancient Customs anl m tices.-We lanve taken occasion, in the pmer sketeh of the history of the East India comer repeatedly to notice the small extent ofthen carried on by ats agency. It was contere however. that this was to be aseribed not tas deadening instuence of monopoly, but to the liar state of the people of Indin, A notial long been prevalent in this quarter of the dod that the IIindoos are a race unsusceptibledicus or improvement of any sort ; that every ms brought up to the profession of his fatbe can engage in none else; and that on to the simplicity and umalterableness did habits, they never can be consumet, st has any considerable extent, of foreigu connia - What is now in India has always bent and is likely still to continue,' (fidetay Disquisition, p. 202.) The Hindoos of tive are said to be the same as the llindow of tex of Alexander the Great. The description of given by Arrian has been quoted as appriaf their netual situation. It is athmed bat have neither improved nor retrugraien, \& are referred to Indin as to a conntry a wiin institutions and mauners that preralid 1 years ago may still be found in their $p$ purity! The President de Goguet larp it distinctly, in his lenrued and invaluabie mid the Origin of Laws, Arts, and Sciences, thetinin 'every trade is confined to a particular ant ${ }^{2}$ can b. axercised only by those whose parctur fessed it.' (Origia of Law's sc. Lige trat iii. p. 24.) Dr. Robertson says that "the dhe cvery Hindon is unalterably fixed ; his detimity recocable; and the walk of lift is martedoff which he must never deviate:' (Disguinidy Intia, p. 199.) The same opinions are misisi by later authorities. Dr. Teanaut sors the
whole In lassea; taia walls the purest (Outed by estiny of $i$ In the desp the East I to on all oce a proof that of the native the weigh hat it is in their conditi with new art. as the instit? wich it las umpared. But notrit bich the opir ad the bigh rred, they an atirely witho Wes of the 11 ad careful ubse ade on India fluence aseribe e ancients, at vellers, has bel etirst part of ablished, part! e books of the ervationas, and ber, and other fority of the II do, engage in been further 8 structure of us obstacle to $t$ spresid of impro e, porerty and sought for in 0 tution of eastes entition.
early division classes of pries , husboadmen (Sudras), was period. The H tial intermixtur very remote ep earising were ed tribes, or eastes, ployments are $f$ employments to these mixed o be every des tion for which crested a demar eir names fro ion, and some and disgusting me the direst Generally spea and impure tri ed dutues of g the Vedas, frepresents fr coleb are exclus Colebrooke, wh 0 be one of the at respects In Folume of the of castes. In eat the Jatime
whole Indian community is dividel Into 4 great chases; and each class is stationed between cera aia walls of separation, which are impasaable by, the purest virtuo and most conspleuous merit.' the puires Mr. Litekards, p. 6.) This nualterable (Quuted by artividuals has heen repeatedly assumed desthe despatches and oflcial papers put forth by in the des Indis Company, and has been referred the East India to ou sif that the depressed and miserable condition fromentives is not owing to misgoverument, or to the weight of the burdens laid upon them; und chat it is in raia to think of materially improving that in ilition, or of making them acquainted their condition, or giving them new habits, so lours as the institution of castes, and the prejudices to which it has given rise, preserve their aseendancy unimpared.
But notwithstanding the universal enrrency hich the opinions now referred to have obtained, nd the high authority by which they are supwarted, they are, in mill the most essential respects, atirely without foundation! The books and tes of the Ilindoos themselves, nad the minute ad eareful ubservations that have recently been rade on Indian society, have slown that the fhuence ascribel to the justitution of castes by es ancients, and by the more early modern vellers, has been prodigiously exaggerated. In first part of his work on India, Mr, Rickarils tablisthed, partly by icferences to the anthoritae books of tho ILindoos, and partly by his own evrations, and thoso of Mr. Colebrooke, Dr. ber, and other high authorities, that the vast jority of the Hindoo population thay, and in do, engace in all corts of employments. It been further shown that there is nothing in structure of Indian society to oppose any Bous obstacle to the introduction of new arts, or spread of improvement ; and that the causes be poverty and misery of the people must sought for in other circumstances than the ituion of castes, and the nature of Ilindoo erstition.
the early division of the population into the 4 classes of priests (Brahmins), soldiers (Csha), husbandmen sad artiticers (Vaisyas), ant as (Sudras), was maintained only for a very peniod. The Hindoo traditions record that tial iatermixture of these classes took place very remote epoch; and the mixed brood earising were divided into a vast variety of lribes, or eastes, to whom, speaking generally, aploymeats are forbidden.
ne employments,' says Mr. Rickards, 'nlto these mixed and impure castes may be to be every deseription of handicraft and ation for which the wants of human society created a demand. Though many geen to their names from their orthnary trade or ion, and some hsvo dutica assigned them and disgusting for any others to perform, om the direst necessity, yet no employgenerally speaking, is forbidden to the and impure tribes, exeepting three of the bed duties of the sacerdotal class; viz. g the Vedas, officiating at a sacrifice, and If preseats from a pure-handed giver; lhree are exclusively Bra.'minical.'
Colebrooke, who is acknowledged on all obe one of the very highest authorities as eat respects Indian affairs, has a paper in volame of the Asiatic Researches, on the of castes, In this psper Mr. Colebrooke hat the Jatimala, a Hindoo work, enu-forty-tuo mixed classes springing from course of a man of interior claas with a
woman of a superior class, ot in the inverse oater of the classes. Now, if we muld to theso the number that must have sprung from intermisture in the direct order of the classes, and the hosts further arising from the continued intermixture of the mixed tribes amongst themselves, wo shull not certainly be disposed to dissent from Mr. Colebrooke's conclusion, 'that the sublivisions of these clnsses have further multiplied distinction sto nt endless varicty.'

Mr. Colebrooke has given the following distinet and accurate account of the professlons and employments of the several classes at the present day. It forms a curions commentary on the 'irrevoenble destiny' of Dr. Robertson, and the 'impnssable walls' of Dr. Tennant.

- A Brahman, unable to subsist by his dutles, may live by the duty of a soldier : if he cannot get a subsistence by either of these employments, ho may apply to tillage aud attendance on cattle, or gain a competence by traflic, avoiding certain commoditics. A Cshatrya in clistress nay subsist by all these incans; but he must not lave recourse to the highest functions. In seasons of tistress in further latitude is given. The practice of medicino and other learned professions, painting and other arts, work for wages, meninl service, alms, and usury, are among the modes of subsistence allowed both to the Brahman and Cshatrya. A Vaisya, unable to subsist by his own duties, may descend to the servile acts of a Sudra; and a Sudro, not tinding employment by waiting on men of the higher classes, may subsist by handicrafts; principally following those mechanlenl operations, as joinery and masonry, and practical arts, as painting nnd writing, by which he may serve men of superior classes; nud although a man of a lower class is in general restricted from the acts of a higher class, the Sudra is expressly permitted to become $n$ trader or a husbandman.
- Besides the particular occupation assigned to cach of the mixed classes, they have the nlternative of following tha, profession which regnlarly belongs to the class trum which they detive their origin on the mother's side: those at least have such an option who are born in the direct order of the classes. The mixed classes are also permitted to subsist by any of the duties of a Sudra; that is, by menial service. by handicrufts, by commerce, and agriculture. Hence it appents tiast alshost eveliy occulation, thougil megulallig it ibe the phofession of a palthculal class, is open to most othen classes; and that the limitations, far from being rigorous, do in fact reserve only the peculiar profession of the Brahman, which consists in teaching the Veda, and officiating at relirious ceremonies.'
'We have thus.' snys Mr. Rickards, by whom this passage hins been quoted, 'tae highest existing authority for rejecting the doctrine of the whole lindoo community "being divided into four castes," and of their peculiar prerogatives being guarded inviolate by "impassable walls of separation." It is also clear that the intermixture of castes had taken place, to an indefinite extent, at the time when the Dherma Sastra wns composed, which Sir William Jones computes to be about 880 years b.c.; for the mixed clesses are specified in this work, and it also refers in many places to past times, and to events which a course of time only could have brought about. The origin of the intermixture is therefore lost in the remotest and obscurest antiquity ; and having been carried on through a long courso of ages, a heterogeneous mass is everywhere presented to us, in these atter times, without a sillgle example, in any particular state, or kingdou, or separate portion
of the Illadoo community; of that quatrujle divisjen of castes which hins been so conthently msinted upon.
I I have myself well earpenters of five or sis different castes, nul as many different brieklayers, employed on the same building. The same diversity of eastes may bo olserved among the craftamen in dockraeds, and all other grent works; and those who have resided for any timo in the principal commercial cities of ladia mast be nensible that every increasing demand for lahour, in all its different branches and varieties of olli and new arts, has been speedily and effeetunlly supplied, in spite of the tremendoms inatitution of enstes, which wo are tought to believe forms so impassable un obstruction to the advancement of Indlan industry:'

2. Growing Deunanal for English Goorls.-It is dithicult to suppose that the directors of tho liant India Company should not have been early aware of the fallaey of the opinions as to the flxceluess of Indian habits. So far, however, ns wo know, they lid not, In this instance, ovinee any acquaintance with the dliscoveries of their servants. On the contrary, in all tho discussions that took place with respuet to the opening of the trade in 1814, the Company invariably contended that no increase of trade to India could bo expected. In a letter of the chnirman and deputy chairman to the Right Itonournble liobert Dundas, dated Janomry 13,1800 , it is stated that $t^{2} \mathrm{~m}$ small demand for foreign comnodities in Indin 'results from the nature of the Indian people, their climate and their usages. The articles of tirst necessity their own country furnishes more abuulantly and more cheaply than it is possible for Europe to supply them. The labour of the grent borly of the common people only enables them to subsist on rice, and to wear an slight covering of cotton cloth: they, therefore, cun jurchase none of the superfluities we offer them. The comparatively few in better circumstanees, restrieted, like the rest, by mumerons religions and civil customs, of which all are remarkably tenacions, tind few of our commodities to their toste; and heir climate, so dissimilne to ours, renders many of them unsuitnble to their use; so that $\Omega$ commerce between them and us cannot proeced far upon the principle of supplying mutual wants. Hleuec, except woollens, in a very limited degree, for mantles in the cold season, and metals, on a scale also very limited, to be workel up by their own artisans for the few itensils they need, hardly any of our staple commodities tind a vent among the Iudinus; the other exports which Europe sends to India being chictly consumed by the European population there, and some of the descendants of the carly lortuguese settlers; all of whom, taken collectively, form L. a small body in view to any question of national ermmerce.' (Papers published by authority of the East India Compnny, 1813, p. 21.)

The volume from which we have made this extract coutuins a variety of passages to the same effect. So confident, indecd, were the Company that they had carrich the trade to Jndia to the utmost extent of which it was capnble, that it was expressly stated, in resolutions passerl in a general court lield at the Iudin 1 lonse on January 26, 1813, that no large or sudden addition can bo made to the amount of British exports to India or China;' that the Company had suffered a loss in attempting to extend this branch of their trade; that the warehonses at home were glutted with Indian commodities for which there was no demanil; and that to open the outports to the trade would be no other than 'a ruinous transter of it
into new ehannel, to the destruction of imman and coosty estniblishments, and the bergane of many thousands of indurtrious individualn

Lackily; luwever, these representation m unable to prevent the opening of the trate, and the result has autheiently demonstrated theis is lucy. The enterpriso and cxatrion of indiowhas huve vastly inereased our exjorts to lutional very conntry which the Company hal sto on dently pronounced was, and would nerteander dently prononnced was, and would nersoanly
contime to lo, incapable of afforline sap at ditlonal outlet for our peculiar products!
The commercial aceonnts for $1 \times 12$ and $[8 / 3$ men unfortunately destroyed by the tire at the fantim. house. 'The trade to India was opened wh dot 10,1814 ; and in that year the declarel io ma value of the products exported from Grat Britan to the countries enstwurd of the Cape of fris Hope, execpting China, by the East lalia Cion pany, was $8: 6,0581$., and by the private trato 1,048,132l. In 1817 the Company's expmiti bol ?recliuce to $1: 38,382 l$, while those of the pars uaders laml iurreased to $2,750,3331$; and in ie the former lip. 1 sunk to only 488, 501 l , while wh latter hand incrensed to $3,979,0721$. ocingmunt the double the total exports to India, as well by Company as by privato traders, in l814! Neo then the market has continued progresirdso incrense. At an average of the 6 years ehim with 1849 , the deelared value of the exmeta Sritisli goods amounted to no less thanfulisiod a-year; the deelared value of those sxporedi 18.19 being 6,803,2741. In. 185.t, previously now Inte outbreak, the exports to Indin hal nud the sum of $10,025,9691$.

The Compnay stated, and no doubt torlt, its they lost a very large sum in attempting el tend the demand for British womllens if Indis nud China, which, notwithstauling, matism very limited. But in their cfforts to finct sale of worlleus, they seem 's have mutivenis gottell that wo had attained to great excilue in the manufacture of cotton sluffs, the rai priucipully made use of as clothing in Hindres and that, notwithatanding the cheapaesi of a in Indin, the advantage we derived from ow perior machinery might enable us to offent stuffis to the natives at a lower price thend could atford to manufncture them for, Jing however, had the trade been opead to adventurers than this channel of enturpian explored; and the result has becn, that, in of brincring cottons from India to Englash d former has become one of the best and madery sire markets for the cotions of the litter, Wieth tion, indeed, whether, in the whole historis, merce, another equally striking exampeta produced of the powerful intluence of carty in opening new and nimost boundless fedshat successful prosecution of commercial entemig
In 1814, the first year of the free trade wha the exports of cotton amounted to $817,00 \mathrm{~F}$ of which only about 170,000 yards, radat 17,7781 ., were exported by the Compars! progress of the trade has since been such, its 1866 we exported to India 541,699 dit. cotton stuffs, and $19,819,406$ ths, tristans ex. hosiery, lace, and small wares, the aja declared value of the whole being $12,76,30$,
The demand for several other artides dry manufactures has increased with grat ong Notwithstanding all that has been sidyta immutability of 1 lindoo labits, the fict s be denied that a taste for European proder customs is rapidly spreading isself oret and the fair presumption is, that it will on to gain ground according as eduction is
din pilla miames cariages in
duently, and are; and the one day dre round hats, sh tewspapers, pulitics are can
clined to $I^{h} h i$ fave a great d the Spanish re the same feeling roowing afplect -To say' that doficient in aay people is an ass pase to be made b mex manners ar eons as those in mong ourselves; nsemient elerant ; nor is are inferior $t$ tions, llhero t biefty in agricult alacs of common mactstood of paseel in any heautiful fabries tone that the ir old patterns, fulty mbay are notorio a London or Liv mbich they supp e, though not as C' calcutt little to chifferent pieces ol pi or boat for sale, wh Ir ao further', nob id detect to be of II ches car of a wealth elg (so far as I snu French as I am dia, he found the per curopean articles and where among the it as follours:-
tion of immaty the begguny of alividuak' esentations wem fi the trale, aw strated dupis is. un of indisidus tor India $=$ to thes ay liad su ant. vould neesoanty Iforting amy $x$ roducts! W12 and 3813 wo ireat the fatiom ofned wl dint declarel if od rom Great Britae the Cape of Cux Enst India Co se private trale uny's exporth bs, ase of the porup 133I. ; and la ly $38,601 \mathrm{l}$, while is ! 0 , ocinympethe lia, as well by ty , in 1811 ! Non d progressivelr a he 6 vears endec 3 of the expros ess that $6,3 j 4$, 施 these exporat i 4, previonsly to te Iudia hal ratel

0 iloubt trult, the attempting eve. woollens is Ind tauding, witives dforts to five , have entirelsio. to great escila? sinfls, the sriz hing in liandxy
hen cheapness of lay arived from 喅 e us to oftond er price thas tr cm for. Yomed 1 opened to pim I of entupior 3 been, that, is a been, Ena, ia to Engival best and $n \times 2$
the latter. rhole historyd ing exampledu uence of compta undless field is undless fields is mercial entepres e free trade to ed to 817,009 0 yards, rall the Compaur: e been such is 254, 699, , tit ; lbs. trist and. wares, the gand eing $12,77_{3}^{3}, 3021$ eing artides of with great mp s been saids its, the faet is nropena prodet ig itself oreer that it will or is education is

## EAST INDIA COMPINY

dimusel, and as the natises become better ac the autheaticity of Dr. Weber's arts, and habits. e ralled in question ; sases in diflerent parts of his Joumial many fiase be quoted in corroburation of what line int might statod. Our limits, however, will only now been onr making a very feve extracts.

- Nor hase changeableness of then prejulices aud the utiexaggerated. Nome of the hdoo habits been less nation, with whom I have conversed, assure their that half their most rentarkablo cuntoms of mo and tomestic Jife are borrowablo cuntoms of civil medan conquerors; and at ed from their Mohamriwss and incrusing disposition to imitere is an ob lish in ewerything, which has ulrendy led the Engpemarkiable changes, and will, probably to very mun important. 'The wealth, probably, to still affect to have their houses decorg natives now all thian pillars, and tilled with Encoted with Corinthe dnve the best horseg and thghsh furniture ; cariagesia Calcutta: many of them speak Enshing duentiy, and are tolerably read in Encelish Engllish tare; and the chidiren of out of Hishsh literaone day dressed in jackets of onl triends I saw round hats, shoes, and stockinge. In theres, with uerspapers, of which there are In the Bengale politics are canvassed with a bias, as I a or three, dined to Whiggism ; and one of their am told, infare a great dinner, not long since in leading men the Spanish revolution: amonerce, in honour of the same feeling shows itself nore benefier orders growing negleet of caste.' (Vol. ii. p. 806 ) 'To say that the Hindoos or Mi. p. 806.) deticient in any essential fenture of a mans are beople is no assertion whiel fenture of a civilised people is on assertion which I can senrecly supe-
tinted farther
haidsome dwellinig It, were the large, lofty $50 \%$ parent richuses of theses, the benuty and, athl buranm, nud the evp gools exposed in aje ma:es is in tact evldent linm of birsines in the
 where the shawles of the north It is the great nurt south, and the musling nurth, the diamondes of the provinecs econtre musifins of I Itcen and the castemi cotton, and the; mid it lias very considue castern while Euglish woollen manufactoriew of it asilk spears, frumil hardware, swords, fis own Fiuropean Lacknow and Monci, Nlielde, ami becomina moruries anil eleroneienglivr, nhd those henee throngh lumular in India, cireulare drily and other tracta mundelenid, Gorrnekpoulate trom ant other tracts which are removel poor, Nepmul, I'roceeding ganges.' (Vol. i. pe trom the main l'rocceding still farther (Vol. i. p. Exg.) milestry, and when arther into the interior of the Journal in Calcutta, the Jishop, distant 1,0i) - Nal in the same strain; viz. continues his juropenn articles are
as might be the heart of the Naswerabad [near kept by a Gexpected, very dear; the eonntry? they liad Greek and two forsees the shops iure Calcutta in their list all the usind Hombay: white and warehouse. Englial usnal items of a White and printed, are to be mist cotton cloths, hot $h$ Wear among the people of the coun eommonly in learned to my purprise, be country, andmay. it cheapest, as well as all kinds be bought best aud writing-desks \&c., at kinds of hardware, crockery celebrated mart in à pallee, a largo town aty, desert, soveral in Marwar, on the edown and where, till very lately, journey west of Jeudpoor, to have penetrated.' As to penetrated.' (Vol. ii. p. 36.) heir manuers are at least as pleasing and cour : eous as those in the corresponding sing and courmong onselves; their losponses arg stations of life arding to their wants and elimate larger, and. acwivenient as ours; their arehite, to the full as clecrant ; nor is it true that in ecture is at least yare inferior to the gencral run mechanic arts ations. Where they fall short of of European hietiy in agricultural implemen of 113 (which is aanies of common lific), tliey are s.s. nud the meare understood of lady they are not, so fro as I upassed in any degree by the pouth of France, antries. Their goldsmitlis and people of these brautiful fabries as our own ; auvers produce on thee that they aro obstinately it is so far eir old patterns, that they show oly wedded to itate our models, and do imitate then anxiety to fully. The ships built by native very sucmbay are notorionsly as good as one artists at m London or Liverpool good as any whieh sail which they supply at Caloue carriages and ie, though not as durable as are as hand-- in the little town of at those of Lono aCalcutta, I had pistols, doubloyr, 300 miles differeat pieces of cabinet-ivork barrelled guns, wr boat for sale, which in outwor brought down ino further', nobody but perhaps form (for I detect to be of IIindoo pricinaps Mr.
se shop of a wealthy native jew ; and at Delhi chese ear-rings, sniff-boxes jeweller, I found evs so far as I am a judges \&c. of the latest French devices and mottoes, and ornamented Bishop Heber
eapneity, and evarneter of the IIndoos, their ment, the Sishop's anxlous desire, for improvedecided; and as this is a is equally elear and importance, the renter's a point of pre-eminemi the following the reniler's attention is requested to 'In the scingitements:-
lished in this part of whel have been lately estaburo at present 9 established bire, of which estabsionary, and 11 by the Christian Chureh Mise Socicties, some very the Christian Knowledre eurred. As all very unexpected facts have occhildren are lisclaimed, thempts to eonvert the without seruple. 13 u ed, the parents sentl them true, that there is no objection less strange than the Old and New Tessection made to the use ot eat what wing the teachers do not urge class-book; ent what will maku them lose thoir urge them to bnptised, or to curse their councir caste, or to be readily consent to everything country's gods, they Iussulmans, but Bralımins, else; and not onj. interest and listen sometimes by with perfect ronterest and pleasure, while the with apparent road side, are readiag, while the selolars, by the stories of thent
and of Jesus and of Jesus Christ.' (Vol. ji. p. 290 ) (he creation
'Hearing ail I had heard p. 290.)
at all expect and Mussulmans, I ecrtaindydiees of would, not only to find that the eortainly did not would, not only without objection common people Greatest thankfulness, send their but with the sehools on Bell's system; and their children to fully seasible of the adinand they seem to be writing, arithmetie, and abantiges conferred be of English. There, and above all by a knowledge surrounding villages, 20 bow in Calcutta, and the 60 to 120 each; and 23 boys' schools, containing (Vol. ii. p. 300.) and 23 girls', each of 25 or 30 .' In the same
nother college, foly city [Benares] I visited Hindoo banker, and intrust lately by a wealthy manngement of the Churec ed by him to the of the Church Dissionary society;

In which, besides a grammatical knowledge of the Hindoostanee language, as well as l'ersian and Arable, the senior boyu could pass a good examluation in English grammar, in IIume's History of Einyland, Joyce's Sclentitic Dialogues, the use of the glober, and the princlpal facts and moral precept of the Gospel; most of them writing beantifully in the l'ersian, and very tolerably in the English character, and excolling most boys I lanve met with in the necuracy and readiness of their arithunetic.' (Vol. Ii. p. 388.)
'The different mations which I have seen in India (for it is a great mistake to suppose that all India is peopled by a simgle race, or that there is not as great a disparity hetween the Inhabitants of Guzerat, Bengal, the Dooab, and the Decean, both in language, manners, nat physiognomy ns betweel any four natious in Europe) have, of course, In a greater or less degree, the vices which must be expected to attend on arbitrary government, a demoralisiog and abaurd religion, and (in all the independent states, and in aome of the distrieta which are'partially subject to the Britiah) a laxity of law, and an almost univeral prevalenes of intestine feuds and habits of plunder. The general character, however, has much which is extremely pleasing to me: they are brave, courtcous, intelligent, and most eager after knowledge and improvement, with a remarkable talent for the sciences of geometry, astronomy dc., as well as for the arta of painting and sculpture. In all these points they have had great diffeculties to atruggle with, both from the want of models, inatruments, and elementary instruction ; the indisposition, or rather the horror entertained, till lately, by many among their European mastera, for giving them instruction of any kind; and now from the real difficulty which oxista of translating works of acience into languages which have no corresponding terms.' (Vol. ii. p. 409.)

Even if our space permitted, it would be unnecessary to add to these extracts. The facts and circumstances now mentioned must, we think, satisfy every w.e that there is nothing in the nature of Indial. society, in the institution of castes as at present existing, or in the habits and customs of the natives, to hinder them from advancing in the career of civilisation, commerce, and wealth. 'It may safely be asserted,' aays Mr. Hamilton, 'that with so vast an extent of fertile soil, peopled by so many millions of tractable and industrious inhabitants, Ilindostan is capable of supplying the whole world with any species of tropical merchandise; the production, in fact, being only limited by the demand.'
3. Trade with India. - We had occasion to animadvert, in former editions of this work, on the difficulties under which the trade with India then laboured in consequence of the duties on sugar, rum, and other Indian products being yery much higher than those laid on the same artieles when imported from the colonics in the West Indies. It is needless, however, to enlarge on the manifest inexpediency of such policy, or to enter into any lengthened arguments to prove that Governments are bound to treat all who are subject to their authority with the same equal and impartial juatice. The discriminating duties now referred to have been all abolished, and the products of India and of our other dependencies come into the home market on the same equal terms. The beneficial intluence of this wise and liberal policy has been atrikingly evinced in the increased imports of sugar, cotton, indigo, rice, wool \&c., from India. These imports have been so very great, that despite the vast increase in the shipments of cotton stuffs and yarn, iron, machinery;
woollens, and other artieles of British pro India, the value of the imports from has exceeded the value of the exports to $t$ tInent; and hence the heary drain of bi the liast. This drain, no doubt, has al almost always, existed; but the late exthu exceas of the imports over the exports portionally Increased its magnitude.

Indigo grows luxuriantly from the En the 30th degree of lat.; but in Iadia th produced in Bengal and Bahar, between and $27^{\circ}$ N., and long. $84^{\circ}$ and $90^{\circ}$ E: where else the product is inferier. 'She produce of all the llengal provinces estimated at about $60,000,000 \mathrm{lbs}$, prode about $1,250,000$ acres of cultivated lan planters, at an average, tarming about 2,5 each. The prime cost of the article to the has been estimated at $1,700,0001$; the gros on whel, including risk and charges to of exportation, amounts to 40 per cent.
export by wea of indigo from lbritish lat export by" rea of indigo from
however, frillen in value from $2,093,4 i t l$, i to $1,860,1412$. in 1865. The production of India is contined to Bengal, and the pr though large, is of inferior quality.

Opium has been, for many years past, a is, an artlele of great and rapidly ines export to China, the Malay Islands, and else The exports, chiefly to Chinn, wers valued is at $11,122,746$. This vast importation into not being balanced by any corresponding ex tion of ordinary merchandise is the cause large exports of bullion from it to India poppy mny be said to take the place in 1 agriculture that the vine and olive ocem that of Southern Europe. Ita growth with Britlah territories has been confined dide Bahar, the Benares districts, and the pmom Malwah, where it is extensively cultinteh yiclds a largo revenue to Govermment.

The prineipal export of cotton was furee China; but the export to Great Britain it become very considerable, having amoum $84,101,961$ lba, in 1848, and to no ferea $614,578,384 \mathrm{lbs}$. in 1866. This impert amounts to nearly one half in quantity, wid nigh a third in value, of our whole annul sumption of cotton wool!
Not withastanding the vast, and all but undis capacitics of British India for the proikos sugrar, its total export in 1838 amounted of more than two-thirds of the exports of from the Mauritius ! This miserable rawi wholly, or almost wholly, ascribable of inferior quality of East Indian sugars to the very rude and imperfect methad which they were prepared. No doubt itwyry also, ascribable to the circumstance d Indian sugars having been burdened, premin to 1836 , with a duty of 8 s, per cist. ors above the duty charged on West Indian But in the course of that year Bengal suazs put on the sams footing, in respect of deh those of the West Indian colonies; and d years a great improvement has been efind the manufacture of East Indian sugars, th of which are now about equal to the best $d$ from Jamaica and Demerara, In Isw importa from the British East Indies amma $342,760 \mathrm{cwts}$.

The abolition of the discriminating dy favour of Bengal sugars, being founded a and equity, it has since been extended ton of British India, and to Ceylon. Nothing as already observed, could be more mijut
consistent with sound principle than to

## hisher wuter on the producta of one portion or

depeadency of the empire than on those of another. Inforior to that of most other countriv wheat, is sume rason that its cotton and somntries, for the Woth being the prowluce of a rude hus aro iuferior nude pryaration. Rico is scalded hus madry and dilt-stried; and whent is never dried at all, being in tho sun. It was supposed that the latter oxcept to largely inuperted under a free corn ter might Encland; but it does not appear corn tralo into any real grounds for puch ar poinit thero are wheat is, speakiug gencrally; very in Indian Pitish wheat ; and it could not bery imperlor to onlinary years, at less than from toos. to $4 \cdot \mathrm{ss}$, in quarter. Ms price, free on beard at Culeutta, why be taken at Ith, or lis. per quarter; to which, if we for profits rad laudiug England, and 7 s , or tundantly plain that, except in luere, it is eas, it would not answer to import huph-pricced tie value of tho rice exportel by sea from limern. blia in 1865 was $5,573,537 l_{1}$, while that of wheat
as sur $10,2651$.
The exports of wool, principally obtained from mased with extraordinary rapidity pros, have inIndian wool into England in is33, The imports de beran, werr so ineonsiderable as to amount coly 3,21 Ihs, whereas in 1851 ther hant reaved to $4,529,520$ lbs., and in 1866 to
reriousy to tho discovery of nitrate of soda in Th Amencea Beugal aud Bahar had a mononopoly ht hare been anticipated, and, contrary to what Latter do not appear to thave exports from tedhy that discovery. I yes, shell-lace, linsech orer, eal-ammoniac, castor oil, colliee from, lar, lea from Assana \& \& ., till, collece from tntion, nad which owe ther exports worthy priacipally to the commercial enterprince as
ing the Quantities and Deelared Values of the

Total Number and Tonnage of
Trusples, engungerl in the forreign rign and Native Trudes, Euterrd and Cleared at ports in Consting $1863,186.41805$ ench the Years at Ports in Britisis $\frac{1863,1864,1865, \text { and } 1866 \text {. }}{\text { Pears ended April } 30 \text {, }}$
 The trate with ler their several heals.) veloped of late years, party bern enormonsly inc. groater attentlon wheh party liz consequence of the
varied duced producte, if the enterpriven given to its the constrish caplal into tho whise hasy intro. the construction of railwaya nuil finsula, both for dem of several Important artiples, firs the cultivar to the cessath has arisen fortifles, and of the great very of conal inn of dmerican supplies cotom, owing hercafter stimulate large quantities will no divenom in that commery for many them of artifloinl fuet
 brietly the growth following talle will mastriol
the trade with Ludia : :-
into the Unitedl' King Vulue of the General Imports
to, British India from IXö0, and Eixjmorts thenee

|  | Importa | Esom |
| :---: | :---: | :---: |
|  | (4, ${ }^{\text {amm }}$ | Etpora |
| ${ }_{\text {a }}^{1 \times 3}$ | (\%, | (1, |
| ${ }^{4 \times 10}$ |  |  |
| ${ }^{1966.8}$ |  | \% |
| ${ }_{5} \times 6.1$ |  | \% 1, |
|  |  |  |
| ¢ | 36,911,9997 |  |



EAST INDIA COMPANY
$4,000,000$ by tho Levant, and $4,000,000$ through the Rusian frontier. And though it is generally believed by later authorities that this esti-
mate was leyond the mark, still there is no manner of doubt that the drain of bullion to the East was then, and for several years before and after, of the most formidable dimensions. Gradually, however, it began to diminish, partly in conse-
quence of the decrease in the supplies of bullion from America subsequently to 1808 , and partly, and we believe prineipally, from the great and sudden inerease in the exports of cottons and other opening of the trade in 1813. Suel, indeed the the influence of these and other coneurring causes, that in 1832 and 1833 the export of bullion from England to India had not merely ceased, but the fide had actually begun to set in the opposite firection. This nbnormal state of things did not fontinue for aay very lengthened period. For a
few years thero was no rery decided of bullion either from Europe to the movement tho East to Earope. But this apprasel, or from equilibrium has wholly passed nway. The to an of bullion from Europe to the East has ngain set in with renewed foree, and is becomo deeper and
broader than at any former period; their continued influx ther period; and yet, despito prices nor anything to show that Io general rise of saturated with tho precions metals, or beeoming silver. On the contrary, the supply appears to bo this defieient as ever; and it is donbtful whether sufficient to swallow up the larse be not of itvolf the whole, of the late extraordinary the sapply of bullion.

Indian Railiways and Telegrapis.
The following gives the statisties of Indian
Enyth of Railways open for Troffic, and the varions Traffie Operations, in each Presirlency o. Province of British India, in each of the Years ended June 30, 1863, 1864, 1865, and 18ibi.

, and Central India Hailway, the returns for whith have not been rectived. $1866,13,390$ miles. Length of lines from Hyderabad 240 miles; from Ferozepore pa 77 miles,

Scale of Charges for a Group of 20 Words.


EAST INDIA COMPANY

580
.

 Troup of \% worts sent to or trom an


Causes of the Drain of Bullion to India.-It is cour for the long-contrount seem alticuit th aceor bullion to Indin. It worlowing heavy drain of bullion tolly owing to the following however, to be principall 'ro the country having circumstances, viz. $:-1$. c (his statement may not, no mines of its own (this It is nflirmed that perhaps, be strictly correct. It is nin India; but fold und silver have been produced hat the producif so, it is adnitted on all hambe as to he unworthy it so, has been so inconsiderable ns to he the popution hotice) ; 2 . 'So the freat amound povert', and of notice); , early eivilisation and pos silver and lation, their of wearing ornaments of sing of the their habit of 'To that burying and hoard prevalent rold; and, 3. To that is perhaps more prevalent precions metas wwhere else.
in India than anyw of the first of these causes of 1. The intucnce of the precious metals in
the importation to require any illustration. is too ohvioufluence of the second cause infil kind. 2. The influence of is of the most powerfil kina. portation referred to is of the people of India have From the remotest period canced state of civilisabeen in a considerably adrarly institution of castes tion, which, owing to the cary continued in a comand other circurastances, has owing also to the paratively stationary state. Ow, and the facility paranomical habits of the people, and the facine with which they have obtained subsistence, be, exwares have alvays been, and combination of these wages ly low : and from the comses carried on in tremely and other eauses, the businesses carred generally and other with few exceptions, been herely few on a petty scale; and while comparath:ely day large payments lase to be made, the ev, though transactions of an immense pope aggregate to a individually small, anount in the extraordinary very great sum; and hence the exrail transdenand for silver to serve as coin in retain even to actions, and for cour
he very great sums required
And in addition to the very great sury large sum,
And in arey, another, and also a very the babit of is nbsorbed in jewellery or cinkets, hair-pins, and wearing rings, bracelets, brooches, gold and silver, such like personal ornamentsiversal in India, and but generally the later, $a$ very large expenditure. cannot fail to occasion which to build up an apThere are no data on There are notimate of the gross amount in trinkets proximat in the coin in circulation said that it is in lndia. It has, however, been said that $400,000,0001$. in india. It hable it should come upto 400, Prices, vi. quiteconce Newmarch, in Tooke On Prices, the sterling. Newmarch, who bear in mind that the p. 123.) And to those India is not less now (1868) total popula, 000 , end that metallic ornaments are than $200,000,000$, the most legraded persons, this worn by all but the most deg appear to be in any conjectural estimate
degree extravig the from the mark, the wear
But if it be not very far loss apon so great a sum, and tear or abrasion and losent, would require an being taken at only 1 per cent of $4,000,0001$.a-ycar ; influx of bullion to the extent of be regarded, so to and as this source of speak, as a constant quanfecting the commerce of owing to circumstances aftece cause, this supply the peninsula, or any other cause, the demand should be diminished for a few ears, increased as for bullion woutroing force had ceased to operate. soon as the disturbice of burying or hoarding of India,
3. The practice of to a great

## EAST INDIA COMPANY

though there are such quantities continually coming
into it, and none going out.' (On the Goverament int it, and none going out.' (On the Government

The comparatise
joved by the natives in mos that was lately enhave done something to lessen this India may have done something to lessen this habit; but one so widely diffused and so deeply rooterl cantnot be casily or speedily moditied: and thonshthe illegal exactions of their rulers were curbed and partially pat down in the countries directly under the Company's goverument, there was in Oode and many other parts of India, previously to the late insirrection, a great deal ot previously oppression, aad robbery. Since that disurder, nate outbreak, insecurity and disorders of infortu have immeasurably increased, and have propor tionally stimulated the practice of hoarding. proporrebellion raging in China has had similar effects and we have been assured by those who, fromects perience ond observation, are well qualitied to exan epinion on such a subject, that it may be morm rately estimated that in India and China, during the half-dozen years endiug with 1857, a sum of not less than $100,000,000 l$. sterling has been conigned to the earth.
The circumstances thus briefly noticed may be onsidered as the leading causes of the all but pereanial drain of bullion to the East. Other circunstances, already adverted to, depending on the furope generally and the between England anad rrely incraseit the export of the pre since 1848 India. But the furthert of the precious metals indart of the subject are reserved conneeted with Bectors Merais.
count of the Imports and Exports of Treasure ending with 1865-6. tring with 1865-6.

| Year | Imports | Exports | Excess of |
| :---: | :---: | :---: | :---: |
| , | $1,890.5023$ | $\underline{s}$ |  |
| , 450.37 | 2, $2,486,463$ |  | ${ }_{4}^{2,6038}$ |
| (xich | 良,610,10101 | - |  |
|  | \%i,9,920 | 317, ${ }^{3}$ | 2, 2,669 |
| 81 | cin | 366, | 1,41 |
| ${ }^{8}$ |  | 315,086 415,797 | 1, 326 6, |
| 3int |  |  |  |
| 5itic | 2,19,0, ${ }^{2}$ |  | 2,6745,532 |
| \% 4 | i, $1,3 \mathrm{i} 3,392$ |  | 2,2\%6,05\% |
| 边 |  | 2, $2,59,743$ | 1,647,3,33 |
| Sticl | 3, ${ }^{1} 1,809$ | - 971,2121 | 2, $2145,58.3$ |
| 54 | 6, | 919,0149 | \% |
| ${ }_{\text {ckich }}$ | 4, $4,7,1,366$ | 1,183,296 | S,7,76,142 |
| 5.56 |  | 1,2670,135 | 3, 7 761, 6,263 |
| 85\% | M, | 1, 313,1748 | $10.700,211$ |
| 3 | 12, 12,103 |  | 15,002,021 |
| 0.61 | ${ }_{\text {l }}$ | Sis, 1165 | civers |
| ${ }_{6}$ |  | 1,116,499 | 9,560,578 |
|  | \%ithel, | 1,812, 1,20 |  |
| 5 |  |  |  |
|  |  |  | 21, 3973,949 |
|  |  |  | $\begin{aligned} & 227,152017 \\ & 7,0920,509 \end{aligned}$ |

Thess of imports: $\frac{27,1,52,017}{2,09 \times 509}$
eral increase of late years has been due to lar for the years exports from India, and in ments for cotton, T, ia conequence of into the presidencies of total import of abay, including British Durmal, Madras, $866-57$ to $1865-66$, is burmah, for the ten ye of $17,642,443 l$. per annum 4,4301 ., being onisation of India.- per anaum.
fo thrown in the way of Europe obstacles themselves in Indial, and Europeans estaniring or holdias land and particularly of
by various considerations; policy was

Wish to prevent the extrusion of the natires from bonglit up en it was supposed would be eagerly lest the latter, when seans, and partly by the fear and released fhen scattered over the coumtry offend the preiudices of effectaal contrel, should broiked with thejudices of the natives and get embe the general om. Now, however, it seems to with India, that but little those best acquainted hended from these circmenstanger is to be appreEuropeans established in itstances; that the few have contributed ment; and that the imaterially to its improveEnglish population, and their and diffusion of the ment in the country, are their permanent settlemeans of spreading, are at once the most likely sciences, and of wing a knowledge of our arts and foundations of our asceng and strengthening the deed, that the our ascendaney. It is obvious, independ on a very uncertain tenure in India must root, as it were, in the soil ane unless we take portion of the population son, and a considerable ties of kiadred, and of comman inched to us by the pathies. In this respect won interests and sympoman. In this respect we should imitate the Athenian in preference to the Lacedomonian or we chenan policy. In a former edition of this wor lation in Ined that, looking at the density of popuof the climate, and low rate of wages, the nature seemed very doubtfiul come the resort of whether it would ever beEnglish settlers, of any considerable number of be sufficieat, within any reasona number as would anything like a powerf reasonable period, to form and we have now werful native English interest have been more th state that these anticipations the restraints on than realised, and that thongh India have been practically at of Englishmen in very few have availed them at an end sinee 1834 There may, no doubt, thourelves of the privilege. to anticipate such a result though we see little reason to India in time to result, be a greater emigration it may be earriedo come; and to whatever extent tageots. 'We barried, it promises to be highly advanWilliam Bentinck, 'not, 1 imagine,' said Lord to prove that it would any laboured argument for India to borrow large infinitely alvantageons from England. The Lgely in arts aad knowledge elared the truth. it Legislature has expressly deimplied in the daily acts and professions has been ment, and in all the efforts of humsions of Governand societies for the education of thane individuals will it, I conceive, be doubted the people. Nor of uscful knowledge doubted that the diffusion arts and business of and its application to the tardy unless we add to must be comparatively Earopeans, mingling fo precept the example of in the course of their profespy with the natives demonstrating, by daily recurring and practically nature and the value of the prining evidence, the ineuleate, and of the of the principles we desire to It seems to be almost equally plaine adopted. pendently of their influencing plain, that, indenity in this way, various and the nutive commuadvantages will result from thereortant national able body of our countrymen there being a considersettled in the country. the superiority which has quaned ion it, is to deny of India; it is to doubt whathed us the dominion has any effect on potionet national charactel good government; it is to wealth, strength, and perils and difficulties of to shut our eyes to all the as nothing community of our situation; it is to hold interest between the rov language, sentiment, and it is to disregard the evidenit and the governed; corner of the globe evidence afforded by every hoisted; it is to tell onr mereh the British flary is

## EAST INDIES

turers that the habits of a people go for nothing, in crenting a market; and which ereates capital, and capital, and the crediction of commoditios?' are of no avail in the protuctionelopment of egri-
In order to facilitate the of Brilish capital in culture and the employ (hoing Governor-General) Indin, Lord Canning oninances in Oetober 1801 jssued $n$ series of orainancs and the redemption for the sale of waste lands, and to effect 'tho of the land tnx-the object sale of waste lands in pend on necount of land from all prospective denan to redeem the existing revenuc,' and 'permission to redeena thent of one land revenue by tho imme ediate pae redeemed. sum equal in
rahe torest, Porulatios, Mil
ili. East Indies, Extent, fous, etc.
tary Force, Re. of British Dominions

1. Extent, Population, \&c. of in Hindostan.
Abstract of Area and Population of India, distinguishing British, Native, and Foreign Native guishing Becording to latest Returns. (Issucd from States, aecordin May 1868.)
India Office, Mat


## $5,619,955$ $37,505,699$

$30,110,615$
$15,166,157$ 15,166,15 $21,06,5199$ $21,039,106$
$6,502,881$
$\qquad$ $143,583,589$ $4,152,923$
$2,291,401$ $2,291,400$
$7,151,53$
$1,2,48,57$
$\qquad$
$\qquad$

The principal native states are Hyderabad or the Nizam's dominions, Nepaul, Sceindia, Holkar, Mysore, Rajpootana, Cashmere, Guzerat, Trazancore, \&c. These states teritories, and gepar, surrounded by l3ritish territe with and generally administered in accordance with the advice of the British agents appointed to reside at their reqtetive courts. It may be thought that their enire tive coution into the British dominions would be absorption int though this would most likell be desirable; but the end it could not fail to ocasici beneficinl in the end, it could much discontent. Lord Dalhousie, notible description, is beliered was of the worst possione cause of the late rebellim; hnve been a prominent cause one annexation poiles nnd it is right to add statesmnn, which was ladidet of that distinguisher stat, is now repuliated ly the on with so much favoris both in this countryand India.
India.
1805, according to the official retum, te total number of Dritish-born suljects in llimdate was 31,000 . Of these, 22,000 were in the armar officers and privates, tescrions were about 2,000 , te ment of all descriptions wers who resided in thit free merehants and marincr, under covenant, abourts of justice, 3 ;is; to practitioners in the consisting of adventurets th remaining 1,00 conselves out in various arues had smuggled themse tics. Since the date above med. but there iv tics.
reports have been published:
but the outher reason to believe that dow ritish subjeri of 1857 the tota 450,006 or 50,000 , if somer: Ihudostnn exceeded restrictions on thei: sethan the removal of the resting nded very fer tive having, as already seen, nded however, (16y 12 previous nam nbout 100,000.
estimated army required for the protection des extensive provinces, and for the retainis tia under due subordination, has brobably the ins ception of that of Russia, probably standing army in the world. In 1796 it amed to 55,000 ; in 1864, 1865, and 1866 it coniza the following effective force, contingent native troops:$12,280,248$
$6,514,52.3$ $\frac{6, \ldots 4,199}{47,909,199}$

| 203,887 |
| :--- |
| 313,262 |

$-517,119$
$-517,119$

 Madras.
Bombay:



## hefire the Parliamentary conumittores

1833, as to the real state of the Indion nm32 nnu the degree of dependence to be placeal nom it, and none could have antieipated the cutire on it; but the entire, defection of the Bengal ure, or all but and the blooklwhed and calamitig gnative army, followed. If we wish to retain posernich it was conury, we mast in future depend less of the natrise, amil more on the European force distrilu the narer its surface. orep its surface.
Two aystems are onen to ns, on either of which we mar attempt permanently to extablish our haws aud customs, and out wardly respecting the religions aud other prejundices, of the nutivecting the thed By rigoronsly halhouring to subvert alis ; and aud on effict a mural num religious revolution by in as fir as possible, Anglicising the conntry. Wo,
hasce lifthrio noted have hitherto acted on the tirst of these pryn. Wo thuyig its resilts have not certaiuly been of the
masit satisfictory description, it mast satisfactory description, it is the safest
and most ecunonical, the mout the toletant spirit of the asce aud it occuance with couree of centuries, if our ascendancy were Tralongel, lead to nearly the smme results so fur recmind. The latter, however, provided it the kilfully conducted, nad that we werc prep were gaintuin a force in Indin adequate to suppred to iturtance that might take opatace to suppress any te untect of the plan, would accomplish its oljent at a minch storter period, and would probably y be,
the end, the best for all the end, the best for all parties, and more pecially for the natives.
Adrantuge of India to Englund.-The popular Lngland from the government of fes iderived heiuns as can well be imprine of ladia are as lacions as can weil be imagined. It is donbt ful,
tecd, mhether its advantages compensate fur disadruntages. India nover has beonto for er can be, a tield for the resort of been, and itrants. It has, it is true, furnist of ordinary considerable numbers of well-educated yount a of the midulle elasses, but the fortuines co who return to spend the evening of their (in Encland ave far short of compeusatein the outlay on themselves and on thosating mathe service. And there is but little growno haik that the legitimate trade we calry on Iondia (we say legitimate, for a cousiderable heeount of the British India is carried on senlat is greater thau it would serving in the pestan is sreater thaun it would have been liad
thinued subject to its native any meaus improbable that the large ther is of hadia will, in the ead, have to be partiblie molly provided for by this country. mary thater our vaity by dwelli

Abstract View of the Gross Revenues of

high desting and glory of providiag for 583 feneraton num well-tery of providing for the rethlaman beimgs; bat we liave yet or 200 millions of thls bo not sum undertakinur that to learn whet her our memas, and whether, in that is greatly beyond a debased' and enervated rattempting to elevato really make sueh nan nttempe (supposing that we of shores, we may not be sapt) 12,000 miles from Nothing power and greathess, the foundations Nothing during tho greathess.
failece to traurdinary than the fact of 18.5 has been talent. to brine forward a siugle of its havings thent. In every contest a single native chaiff of with best drilhol sepons, when the inferiority even of With Eurupeans, hass, when brourht tace to fare cess, They coutiners gave themst a striking. Si, were at They continne to be precixclynce of shicvere at linsey and Assaye. precisely what they
2. Rerenue 2. Revenue and Expendiuy

The far greater part of the revelute of prith India, soil. amm has nlways berme of hadia is at dinte cultivaturs has been held by by itrom the wite cultivators zenerally held by its immehiavo a perpectual and transfernble small portions, have been under the obligatiou title; but they anmual payment to Governanent of a making an tion of the produce ore their firms, whertain porthe sovereased or diminished tiarms, which might been sovereign, and which huts, in the pleasure of been so large as selitom to leave in anost all cases, hampuan a bare subwistence the cultivators soil was divilernment, the gross Urer the Mosoil was divided into equal or nears produce of the bet ween the ryots, or cultivint nearly equal shares ment. We regret we are ators, and the GovernBritish Goverment hare mat able to say that the ductions from this enormous nuy material deippressiveness, with the imposs assessment. Its do on anything like a fnir muld sosibility of assessin, ande far more than any rhing sound principle, have ascendancy in India, and the else to prevent our Inillity and good order we have comparative tranhaving the beneficial eflects that introduced, from inticiphted. The cultivators might have been of the are proverbially poor: throughout Minellectually reduced to which they are sulject but interferentyce of thed, and they are secure subject be be othervice of the revenue one secured from the be otherwise than wretelined. otlicers, they cannot obliged to borrow wreteley. to They are commonly carry on their operation, to buy their seed anil species of mortgage over the a hiph interest, on a mly object is to get subsistensuing crop. Their exist in the same olscupsistence-to be able to fathers. If theysucceal ine poverty as their foreMr. Colebrookey suluseed in this, they are satisfied to Iudia is so deservelly hority on all that related
of India for the Years 1862-67.

## EAST INDIES

 quantity of land occupied by each ryot, or cultivatur, in Bengal, is commemy a obvious that the rarely umounts to $2 \cdot 4$; amt it a third of the produce alstraction of a half or ces leave their oecuraised on such patches the larest subuistence piers nothing more than the milies. Indeed, Mr. for thenselves and hieir hmines. hion of ryots Colebrouke tells us that the condition of ryots India! Abstract Accoiut of the Chargss on the Revemue of India, int. statements that the terri- 'Intia, British,' in Geog, Diet.) Ordestly the It is seen from these statement the ludian Go- lies, the tirst Few things, indeed, would orial revenues at the disposin tho most powerful ohjectionable the improvement of ludia crmment equal those they are greater thm to prombolition of this monopoly. An then munarchies, At present Austria, being inferior in salt, with moterate dutics, wount the of thuse of either Russia oritain and France. Still, in no doult, be productive of the grentes ing culy to those of Great situation of Imblia is not no doue publie, amd perhaps of an in however, the rous. Vast as its revenue hanes, to revenue to Governime tiomable than the nath yery prosperous. appears, in most the delts in though far less objectionesive. 1 in intentea its expmurill harrer. In 180 she thene, have bech stine of the bond debts at hume, India, exclusive ore $52,000,0001$; and the heras hus expenditure accasioned by the millions.
increased the lebt to over 90 minsiderable revenue
Besides the land revemie, a considerabe salt and
is derived the sale of spirituors liquors, ham and sen whim, the sale afice \&e. (For an accuunt of the customs, pret-onse sem of British india, see art, attention of everyone
fand revente syster Accomt exhibiting the Total Gross and Nett Revenue and Charge's of the British Posseg.
(Campell's Miodern India, p. 46. .)



Amment of the $P$ subject to this tax is generally inf the miserate
a hired labeurer, whu receives ther puce, a har is puttance of a numas, or about a pruce, a laye wages. The inetayer syst em is the curse of wim Eitropean comentry into which thas bres in Liseel; and yet we seem to thimk that in tia ducel; and yously acted upon in nast fartas bo adya
India!

Ammat of the Public Delt of British India，distingnishung tint raised in limyhum，with the A womet of Interest paid，on the 30th April of each I eur．

| Finan | In Iosia |  | In Einglant |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thelit | Interest | Nets | Inturist | 16.1 | lutwout |
| （1）11 |  | $1, n, \frac{\mathcal{L}}{\boldsymbol{f}, 0,9!}$ | 1，7， $\mathbf{R}_{1,3010}$ | 81，$\times 18$ | 31，的1， 69 |  |
| ｜x11 | 3n， | 1，1，12，14， | $1.13414 \times 1$ | 81.381 |  | 1， 1 ， 4 ，\％，\％ |
| 1914 | $341,670,173$ | 1，733，013 |  | 61.373 | 35， $314,1: 3$ | lim， |
| 1413 | 30， 11036 |  | 1， 73129096 | 64，${ }_{\text {chen }}$ | IM， 1 inetitu |  |
| 1411 14015 |  | 1，90， |  | $8!3,4,4$ $61,3,39$ | 41，NMT， | 1，${ }^{182}$ |
| ivi6 | 119以\％219 | 1，MP1， 12 |  | G4，\％\％1 |  | 2， $20 \times 8,419$ |
| 1417 |  | $2,119,12,3$ |  | ブ，111 | 16， $7 \times 1.283$ | 2，148，M1， 3 |
| 1 l is | 4．3， 107,613 | ${ }_{4}^{4,181,561}$ | \％${ }^{4}$ | 16809 | 14，757，213 | 2，＊2．ass |
| 16．4 |  | $2, y 1,110$ $y, 340,816$ |  |  | S1， | $8.71{ }^{8}$ |
| （x）｜ | 41，194， 518 | y，113，${ }^{\text {d }}$ ， 76 | $3 \times 19.915 \times 1$ | 11030 | Ph， $1 \times 193,31.5$ | \％， |
| 13：3 | 31，21，143 | 4，131， 31414 | S，N4P，3／41 | 121082 | Sh，11，mits |  |
| 143 | Sy 313.094 | \％，779，133 |  | 18.5194 |  |  |
| Win |  | 2， 18.9607 | 3， 31045 | 112.0178 | 9，3，64．3，164 | \％，2909\％ |
| （ $\mathrm{N}^{2} \mathrm{~d}$ | \＄T， $310.9 y 2$ | 2，14010，601 | － | 152， 1114 | 57， $510 \times 2 \times 1$ | \％， $40.38,6,6.19$ |
| $1 \times 17$ | 34， 316.665 | 2， $210, \sin$ | 3， $41.19,117$ | 15，4！${ }^{\text {a }}$ |  |  |
| is： 4 | talimbum | \％，1196，6，4 | N， $864,4 \times 1$ | 159， 1 lit | 4in， 17.10181 |  |
| 109 | fitionernil | Y，738．62．3 | 13， 19 ！, 277 | 378,734 | 4．171， 9114 | $\therefore 111,84$ |
| ju， | 71.969 .3 ，${ }^{\text {a }}$ | 3，143，787 |  |  | 94，107，16in | －154．141 |
| 1401 | 71． $1 \times 91,0191$ |  | － | 1，461，238 | 101， 1077.1181 | $4,243,578$ |
| 10． | ix， $78,6, \mathrm{~m}, 1.15$ | 3 3，3ntix | 31， $5 \cdots \cdots, 1119$ | 1， $1,1 \times 6,916$ | 101，${ }^{1}$ |  |
| $1 \mathrm{c}, 4$ | 71， 416 ， 1.5 | 3，13， 3,250 | צti，s $310,814 \%$ | 1，3： 4,4014 | 94， $11 \times 115$ |  |
| ｜vis |  |  |  | 1，481，171 | 96，177， 0.65 | 4，＋4， $2,3 \mathrm{~T} 3$ |
| 12fif | ：1，130，2：1 | 3，38\％，631 | 46， 2 24， 416 | 1， $819,76.3$ | 94， $34.3,8 ; 1$ | L．wit 11ti |

4．onut of the Pullie Registeren Delt of Inclin as it stoml on March 31，1867，amt the Ilate of Intcrest borne by the same．

 a meady．
ever much these accounts of the financial｜state，that while in power，though they oceasionally sf our Eastern empire may be at variance acted on erroneous pirinciples，ther alwuss exerted exagiserated ileas enteftained respecting themselves to enforce economy in every branch of didy a large propertion of the people of their expenditure，and to impose and eollect their das by forminners，it will excite no sur－revenues in the best and cheapest manner，But the mind of syyne who has ever reflected though they suceceded in repressing many abuses， Whiect．It is due indeed to the directors to it would be idle to suppose that they should
tmount of the Public Debt of Britinh India (errlusive of Ehat India Company's Stock Dobe,



with a duty of 132.138 . In $1866,13,10 \mathrm{enth}$, of eels 43,1871.

EGGS (lir. mufs; Lat. ova). E.gg dide in ize, colour, taste de. accorling to the diffent size, colonr, hards that lay them. 'the epm if species of hirds most commonly used anfuolat poultry are those most considerable impuranats form an articl oint of view. The egrs of phetes a commercial point o reat delicacy are ato es. whieh are esteened Londun during a part of te tenively use make, indeen, a perpetually recumes season, and mionable dinners. Vast quantitiod d dish at fnshonably are brought from the cuats the eggs of ponltry ather large towna, besidestige to Lonton and otarted from the Continent, very largely importade in egga forms in ino this mome branch of our trade with Fance w. siderable oranch of constantonent to a number ofed
aflor vessels.

In 1854 the duty on efges was fixed at $8 /$ is cuble foot (about 200) on those brought fric. forelgn country, and at 4a. per ditto on the brought from a british possession. This which produced 24,7216. in 1858, was тepalk that yelr.

In 1866 we imported no fewer than 43,98 eggs, almost entirely from lrance, lelgium Spaiu, but especially France, which furnibud far the largest portion of the entire smply. Th far were valued at $1,105,6531$. 'They aremis by the great humired of 120.

Plovers' eggs are found in most pnts of Exit but expecially in the fens. Considenable int are abso derived from hola.

## EJOO. [GOMUTt.]

 GLLEMI (Fr. resmen). A conerete, reins Span. Gomnade botanical souree of which is utio udation, the botal origiuaily from the Lerze mined; procured ofly from Nanilla. Itsto now supplied elieny inamey. It is a sht the most part in pharmacy. ons, adhesty mass, bedowish-white cols: resinous by fraprant, fenuel-like odour, amin a rather iragran, ectified surit britio tirely soluble in rectined airutl, (stio.) macopocia of the Me' TEFIVII. Under 2i his

ELEIILANTS THivelas. In benal as they are enled seroned at 16 ent, to the dras they are reck in eases; Bontan $\mathrm{B}^{2} \mathrm{C}$ bulk, 50 cubic feet in eases; Bonian on [Ivoly.]
livin (Ulmus). A tree common in Britain, saich to have heen intodured a Britain, same Crusalers, The tree da comntry by the Criss. It attains to a ? low and moist soils. It its trunk isotmatio and lives to a great ane slow grorth The and crooked, and it is of slow gromin.

## ELSINEUR

587
of the heart-wood of elm is penerally darker than entrance to the Baltic by the Sound. All merthat of oak, nud of a redder brown. 'The sap-wood that oflowish or brownish white, with pores indined to rel. It is in general porons, and crosschined thed, sometimes eoarse-rrained, and has no larter septa. It has a peculiar olour. It twists and warus muel in drying, and shrinks very much and in lenerth anil brealth. It in litheult to work, the is not liable to split, and bears tho driving of twat and mails better than any other timber. If scotianl, chairs and other artieles of househal turniture are linequently made of elm wood; but in tingtand, where the wood is interior, it is chitls used in the manutireture of coblins, easks, pachiner cases, punsp, pipes \&cc. It is appropriatd to these purposes from its great duadility in water, which nlso occasions its extensire nie as piles and phanking for wet fountations. The naves of wheels are frequently made of elm; thase of the heary wargons and drays of London are made of oak, which supports a heavier weight, but thes not holl the spokes so tirmly. Jim is sid to bear transplanting better than any other Ir ce tree. (Treltgold's Priaciples of (Gerpentry, pi $201-203$ dc.) chant ships passing to and from the baltic were obliged, previously to 18in, to salate Cronlorer Castle by hoisting their colours when abreast of the same; and no merchant ship was allowed to pass the Sound without clearing out at Elsinur, and paying toll, nccording to the provisions in the treaties to that eilect negotiated with Jenmark by the different European powers. The first treaty with England having reference to this sulyect is dated in 1450. The Sound duties hatl their origin in an agreement between the King of Denmark on the one part, and the $\mathrm{l}_{\text {innse }}$ Towns on the other, by which the former undertook to construct light-houses, laudmarks \&c. along the Katterat, and the latter to pay duty for the same. The duties have since been varied at thfferent periouls; but being a serions obstruction to navigation, and much objected to, they were finally repealed in 1857, on compensation being made to Deumark accoriling to the subjoined treaty. The accompanying plan of the sound is taken from the Adiniralty Chart, compiled by Danish authorities.
Narigation of the Baltic,-This is exhibited in ELLNELR or HELSINGOR. A town of the following account of the number of ships thit Zealand, on the Sound, ahout 22 miles nortli of passed (going and returning) the Sound at ditCopenharen, lat. $50^{\circ} 2^{\prime} 17^{\prime \prime}$ N., long. $12^{\circ} 38^{\prime} 2^{\prime \prime} \mathrm{E}$. Population 8,442 in 1861. Adjacent to Eilsineur aputanon 8,442 in is the eastle of Cronborir, which commands the ? which they belonged:-

| Counime | 1773 | 178 | 17ヶ3 | $17 \%$ | 14.1 | 1516 | $15 \% 0$ | 2.5 | 15,500. | 18.35 | 1510 | 1851 | 56 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| British 1dands | 2,554 | 1,301 | 2, ${ }_{2}^{2,57}$ | 3,7\%1 | 2,319 | 1,814 | 3,597 | 5,186 | 1.204 | 2,172 | 4.071 | 4, 211 | 4,782 |
|  |  | 20, |  | 2,439 | 2, ${ }^{2} 89$ | 2, 816 | 1,319 | 1,319 | 1,143 | 6.3. | 1,917 |  | , 1,146 |
|  | 1,1! | 1,311 | 1,3\% | 1,546 |  | 1,9714 | 1, ${ }^{792}$ | ${ }_{2}^{1} \mathrm{ha31}$ | 2714 | ${ }_{1}^{51738}$ | 2,9\%4 | (1,518 | (2, |
| Prusia | 4 | ${ }^{6} 15$ | 1.314 |  | 1,435 | 1,4199 | 1, | ${ }^{2} \mathbf{2 , 3 9 1}$ | 2,203 | 1, $1,1,36$ | 2, 111 | 2, 2,064 | 2,436 |
|  |  | 13 |  | ${ }_{1 i}^{i}$ | $\stackrel{1}{ }$ |  |  |  |  |  |  | 1,047 | 4 |
| Frane. | $\because$ | :. | 20 | 1\% | $i_{2}$ | 16 | $6{ }_{6}$ | \% | 193 | 146 | $2 \cdot 9$ | \%s. | 5\%9 |
| Bpay | 11 | . | 15 | 32 | 22 |  |  |  |  | ${ }^{7}$ |  |  | , |
|  | ${ }^{*} 5$ | $\because 30$ | $\because 6$ | ${ }^{\cdot}{ }_{6}$ | 3 | 263 | iss | H3 | 6.15 | :86 | 968 | ${ }^{6} 61$ | 829 |
| Danuz | 231 | 174 | 161 | 218 | .. |  |  | .. |  | $\because$ | :. |  | $\because$ |
| Tellemburs | .. | $\because$ | $\because$ | $\because$ | is | 3 SG | 937 |  | 06 | 343 | 9f? | 1,075 | $\because 9$ |
| Tidenturt? | -9 | ¢ 2 | $\because \cdot 9$ | - ${ }^{21}$ | ${ }_{24}$ |  | 47 | 131 | S 86 | 46 | ¢\% | 24\% | 160 86 86 |
| 趇: | n2 |  | $1 \%$ | 177 | 2 N | 111 | 8 | \% 5 | \% | 4.3 | 5 | \% | 86 |
| urg. | $\%$ | 31 | (i) | 104 | . 56 | 3 | 13 | 31 | 23 | 41 | 4 | 7 | 86 |
| k. | ${ }^{-9}$ | 114 | 1.14 | 33.1 | - | -is | . | . | $\cdots$ | . | . | .. | . |
| and: | 12 | 7 | 25 |  |  | $\cdots$ |  |  |  |  |  |  | 30 |
|  |  | 2 |  | t.) 6 | 9 |  |  |  | ${ }_{6}$ |  |  |  |  |
| places: | .. | . | .. | 9 | 83 | \%91 |  | 931 | 1,202 | 1,35 37 | 2, 8.85 | Sin | 3,275 |
| Totals | 9,605.3 | ¢, 291 | 11,2\% | 0,712 | 8, ind | 5,8i1 | 10,906 | 15,1 | 5, 412 | 111.235 | 15,66\% | 19,919 | 20,6810 |

he statements in this table for the years 17.7 lixo are taken from the valuable work end Foyage de Deur P'rancois au Nord de l'Eu(i. 360 ); the other vears are taken from the fis sent by the liritish consul at Elsincur, and sources. We have seen no two returns of hlippine that pass the Sound which puite B thumg the dificrences are not very material. British consul tirst began to send returns of panare in 1831.
e Uder. Yistula, and other great rivers which into the Baltic, and the many large cities re built on or near its shores, have made it beatre of a very extensive commerce. In spect its importance was much increasel by undation of Petersburg, the trade of which of great extent and value. Raw prorlucts, ing com, timber, hemp and flas, tallow, linseed, bristles, wool \&c., constitute the al articles of export from the Baltic ports; Iproducts, manufatured goods, dry staffs, alt, enal \&c. being among the prineipal artiimport. The lemding ports, setting ont e Sound, are Copenhagen, Lübeck, W'ismar, Swinenumde, Dantzic (which, next to is the prineipal Suropean port for the t of wheat), Königsberg, Memel, Riga,

Petersburg, and Stockholm. The United Kiugdom has hy far the largest portion of the foreign trade of thie Saltic. This is evicient from the fart of the British ships passing the Sound greatly exceeding those of any other conntry. In 18507 we impurted from the Baltic about $1,580,000$ qrs. wheat, 980,000 do. barley, and $1,260,000$ do. nats ; and in 1866, 1.1,876,500 cwt. of wheat, 4,31-1.2:22 cwt. of barler, and $6,7 \div 2,870 \mathrm{cwt}$. of oats, exclusive of very large quantities of tallow, hemp and flax, timber, linseed, bristles \&e.
The harbour as well as the railway bedding or patent slip, which were finished in the autumn of 186:l, were (says Mr. Hudson, the United States' Cousul at Elsineur) ' of the greatest bencfit to the town and its shipping. The harbour contains about 200,000 square feet, with a depth of 18 fect. l'he docks are 1,740 feet in lengih, with plenty of good wharfage. The depth at the mouth of the harbour is 18 feet, with a breadth of 128 feet. The patent slip is an inclined plane of 692 feet in length, being 265 feet above and 427 feet under the water, and a stationary engine raises the vessel on the hedding. Vessels of 1,000 tons burd t: are raised with the greatest facility, and 2 good-sized vessels can ocempy the bedding at the same time. It is well worthy the attention of masters and owners

## ELSINEUR

583 vessels. Repairs are generally done with despateh.' (For new limish ins.) of vessels, see oresur chips come into Elsineur p'iotage \&-. When ships come Lappen, waterroads, or lie wind-bounl mond if the master will mond come on board to engure in rough weather he carried ashore to clear, ane of their services, he carriears best to make use of the Danish it is niways beng renerally very safe. rates, being their boats bemg genblished a inble of rates, hontauthorities have p that can be made by the harthe lighest eharge that as but eaptnius mity harmen upon such oceasions, much less as the please. men with them for as muen take on board pilots, Host ships passing the Sound take the fore-topmastthe signal for one being a thag atitic take a pilot at head. Those bound for the baitic the to Copenhalisineur, who either enrries the ship the south-east Gen, or Dragoc, a small town on thek, where she is extremity of the lsland of Ahese leaving the Baltic extremity of the lshand of Amaving the liaving
clear of the gromds. Those

Pilutage from April 1 to Srptember 30.

 burg, on the one 1
N.B.-When a pilot is taken on board at is the roe to carry a ship to Blsincur, the chane head of the same as that given under the Commerce, tome iii. ahove columm. 1. 145.)
neys, Weights, and Measures of Elsineur are the same as those of Copenivided into 1 orts inexcept that the rixtohar, 24 skillings make 1 ort, stead of 6 mares: thar
and 4 orts 1 rixilollar. Sound Dues agreed to
Trcaty for Abon March 14, 1857, by the folloring
at Copeuhagen, on meen of the United King om
Pouers:-The Queen ofand the Emperor of AusGreat 13ritain and Ireland, the Eme Emperor of the tria, the King Kint of Hanover, the rrame OldenFrench, the Kind Necklenburg-Schwerin, Netherlands, the King of Iurg, the King of the Emper of Russia, the Kendes of the Free lrussia. the Norway, and the Senates and llam-
Hanseatic Citics of Labeek, Bremen, an
to Porms which are not parties to the present Treatr.
2. Sot to levy upon such of the said vessels as mareace or depart from Danish perts, whether with carto or in ballast, and whether they have of bave not performed any operation of commerce therein, mor upon their cargoes, any tax whatever to which such vessels or their cargoes would have Lea liable on account of the passuse through the Sount and the helts, and which is nbolished hy the stipulations of the preceding paragraph; and it is well mulerstood that the taxes which shath le: anhowhech, and which consequently slaall not be levied either in the Sound and the Belts or in Damish ports, shall never be reimposed iadirectly of any auguentation, for that purpose, of the fort and customs ducs now existing, nor by the intruduction, for that purpose, of fresh dues of aarigation or customs; nor in any other manner whatrer.
II. The Kint of Denmark engages, moreover, to the abore-mentioned high contracting parties-

1. To preserve and maintain in the best state all the lights and lighthouses actually existing either at the entrance or in the approaches to his pors, harbours, roads, and rivers or canals, or along his consts, as well as the buoys, beacons, and sea-marls actually existing, and serving to facilitate navigation in the Kattegat, the Sound, and the Belts.
2. To take into most serious consiteration, as beretofore, in the general interest of navigation, the utility or expedicncy either of changing the porition or the form of such lights, lighthouses, - buoys, heacons, and sea-marks, or of increasing the number thereof; the whole without charge of hny kind upos furcign vessels.
3. Tosupantend, as heretofore, the service of pilotage, the employment of which, in the KatteBat, the sound, and the leelts, shall at all times be $t$ the option of captains and masters of vessels. It is understood that the charges for pilotage shall emoderate; that the rate thereof shall be the me fur Danish vessels and for forcign vessels ; od that the chatge for pilotage shall be exacted om those vessels only which shall have volunrily enploved pilots.
4. To permit, without any restriction, any prite indixiduale, Danes or foreiguers, to establish d to station in the soumd and in the lelts, fely and on the same conditions, whatever naathey may belong to, tugs serving exclusively the towing of ressels which may desire to emy then.
To extend to all the roatds or camals which bow or may hereafter coanect the North Sea the Elbe with the bahtie, the excmption d dees which is at present accorded, on some hose lines of communication, to the national foteign goods enumernted in the following马aric; amadou, not prepared ; yellow amher ; ganimals of all kinds; antimony; live trees hrubs; slates and slate-pencils; slate for roofbilver in bars and for remelting ; arsenic; ason (bitumen Judaicum or glutinous bituasafoctida; valonia; berries or seeds of ju\} brooms and rubbers (unless comprised une articke "brushes'); bamboo, Indian reeds es, and other rough reeds not manufictured; ; spermaceti, and oil of spermaceti; grain; heat, barley, oats, maize, rye, wheat, vetches; or the use of apothecaries; dye-woods; wood kinds; float-wood, wood to be used instead as floats for fishing nets; bole, white and d terra sigillata; borax, crude or refined; ricks; pounded brick, or brick powder;
bromze or bell-metal ; brushwood (buisson) ; bulbs or rowt of thowers; catmium; calamine; camphor; cantharides; tloor-stones (carrenur) ; maps and charts; castoreum; ashes ; potish, sonk, and other kinds of ashes; wooden hoops; homp, dressed or undressed; chareoal; teasles; whedwright's work (charronu!ge) ; lime; rags; cement of all kinds : wax ; ish ;hass: shells; corals; cordace; ox and cow horns (or horns of black cattle) as well as horn-tips ; cotton; copper; rose-copper (farkupher, not forged or prepared by rollens) and wppre in shects for coining ; waste of grain; grits as forace for cattle ; bran, straw, chatf, nud other waste of grain; elephant's teeth or ivory ; teeth of the walrus (the seth-horse or sea-cow); lair or business (!ucuments; staves, or stave wood; tortoise-shall; patterns of no value; scalcboards for binders, shoemakers, furbishers, as well as aplit twigs; meerschaum; packagen, old or used; casks, cases. trunks, elesis, bags or sacks, and old widker flasks, empty; emery; tin, raw, unwrought, and rasped tin (ctain ripei) ; whalebone, whatetins, whaldome not split; thour or meal made of prain which is free from transit duty: follyma, not pulverised; pig-iron, raw ; bur-irom of all kinds. (hoop-iron, howerer, is liable to duty); beans; tigures nad statues in plaster; flowers and thowerplants; flores cassie (cassia huds); layy dhug and artiticial manure ; also, for example, patent manures, noir animal \&c. (Chile saltpetre, sulphated ammoniac, and similar goots are not exempt, notwithstandiar they may be intended for manure. Plaster in powder is, however, exempt from transit daty when certified as intended to be used only for manure) ; rough ice (natural) ; acorns; globes; tar and tar-water; seeds, hemp, flas, colza, and other seeds of all kinds, as well as seeds for the use of apothecaries, as, for example, fenned-seed (caraway and anised are liable to duty) ; clothes and baggage of travellers, househoh furniture, and implements which have been used, if they are transported in consequence of a change of residence; clothes or carments, which have been worr, transported, accorling to the judgment of the officers of customs, as travellers' baggage, without its being neecssary for the orner to accompany them: fresh poi-herbo, as well as whortcberries or bilberciea, strawberries, raspberries, gooseberries, red on aroted whortleberries (airelles rouges ou ponctuces), green groseberries, hips, tresh grapes, horse-radish, and onions; coal of all kinds, as well as coke tund cinders; oil of hemp; ovsters; reed for that ching; wool of all kinds; milk; brass, unwrought (not forged and not prepared by rollers); blubber, liver \&e. for makiur train-oil; bacon; lentils; lees of wine in a dry state (sediment of wine); cork; Hax, dressed or undressed; printed books with the prints which belong to them, bomd or unbound; malt; manganese; manna; melals; metals, unwrought (bronze and other altoys of metals similar to brass), not forged, and not prepared by rollers; black lead; ore, not melted, of all kinds; minerals, and objects of natural history, such as carths, stones, and ores, plants and fruits, shells, inseets, birds, and other animals, stuffed or preserved in spirit of wine for calinets of natural history or seientitic collections; models of all kinds; coin of all kinds; moss for packing and stufting, and coton siftestre; music, manuscript or printed; musk; mother-of pearl, rough or in shells; mats, used ; galls; objects of art, such as statues, busts, has-reliefs; opium; gold in bars, and for remelting ; peeled, shelled, or hulled barley, and groats made of grain which is free from transit duty ; bones; osiers, peeled or unpeeled; ropemaker's work, including hemp-webs and tishing-

590 ried ors, calf or sheep skins, cordor or sea-cow); jumiperskins, eiskins (of the sea-liorse of se; blooul-stone or poles; pearls (rame-stone; chalk-stone, ane; stones of hermatites: ilaster-stone ; precions stought; lead in right
cified.

FMBARGO

## ELSINEUR

 nets; suraw, and straw cut or chopped; skins, curried or not curricd, withont cordoran, minoceo 《e.; walrus-*earls (real); pumice-stone-s, and chalk in powder; plaster-stonc; viatina unwrought, venectings, poll kinds; vencers; phats, ond lead tor rend down; pigs, bocks, and muluthers for beds, and down pigs, old shect-lead; fenthers hintles, hair, and wool hair of all kinds (includius hion is liable to duy; of pigs); hair culs piteh; potatocs; pozzol waper peats; fresh fish; pud shavings, and waste on (rouge paper-cuttings and shawn-re or spanish brown (sali); of all kinds; brown-ces salt (except medichell as en(trun); blowl; leceches; sath ; pictures, as welt st tausteatite; tallow; suhlies, and stanographiss; clay, cravings, lithograp: cologne earth, white; clay, ner's bark or tan; Carl, Enythish clay, chan (or yagar such as pipe-clay, min for relining sugar (onat, whfuller's earth, clay for of clay, argil, and mant turtles; clay), and other kinds of chay, of colours; turthes; loss they fall under the clays of colow for packing turf; tripoli; tiles; quila; slass (verr! de Moscove salted ; thul stulling; Muscong neat, frest and sated as railon pierre spectlaires; ; all kinds, as well as liable quicksilver; vehicles ofless (locomotives are ril railway carriages and tenters of such vehindes and railto duty); detach (and dismonnted ve wuless they can way carriages ance liatice to duty, bulcs owsage de way carriages) as wheduright's work (ought, or inchurron); crab's eyes; zine, raw, cakes.

It is nudersto line of communica, such exemption shoulh, oned a similar exemptended as a matter of be alloved daty s'. all he extended andican above rpefrom transit the lines of commm. or camals to a ©. 'ro reduce on all the said roids or cat excechmiform rate, in proportiun to wet, per 0001 bis. Danuniform rixten (19) skillmys bath gools which are now ing sixten (transit duty on ant charge not to be augish, the transith duy, such charge not any denomichargeable witb other charge, und mented winterer. it duries should be reduced nation whe the transit duties shoul fing of DenIn case rate above specince, the roads or canals below the rages to place al the North Sea and the mark do or may conneet the tributarics, on a footWhibe with the Baltic or its thin most faveured iug of nerfect equalisy or roads which how teritury. lished, npon hat 7. The King of sweden amdel with the king of tipecial convention concluted wid king the ena jifeciark, contracted win the lightbonses apon the Denmark, to maintain the liway which serve to gagement Swelen and Norway of the Soumd and crasts of Sweden ane passage of the Sing of Deniisht and facilitate the Kattegat, the Kiug of yent the entrance of to make a detinite arran forsuring mark cakages to sweden and Norway for mondert of with the King of Swe maiutenanee and support or for the future the hitherto, without any chatge thoge inght houses as vessels passing by then outhat account ul
mid the Katiegat.
111. The elragements contane operation from preceding Atticles shanl.
 IV. As compensaboe mentioncie (um or the the or the conveyance of tropsond
 United Kingotreting part iss, engaye ono sece, is
the other contractig
to pay to the King
is intended as a host embargo for the prev others rarcly answer: which it is intended to jurious to those by wh an to those against wh EMERALD (Fr. Ital. smerahlo ; Lnt, sm Per. pachee; Arah, z in birh cotination. I ther gems ly its pee rarving in intensity fing to a full and th Yian lat trul? stated, triat and ploasinge: 'mul tima and pleasime: 'mul
It is fully understood that each of the monembe tracting parties shall bed to its own charye. traty for the share placed in the precedint Arice $\forall$. The sums speciticed in the reservations hereinafter so
 forth in sec. 3, Art. Vl., be paid, which shall ever
 both capital an
ments not duc. the high contractimy Porers es.
V1. Each of the high contine with the king gages to regulate and and specinl ConventinnDenmark, by us and the phace of paymento th

1. The mode and and hati-yearly intanmens forty above-mencel to its charge oy contersion the nmount pode and the rate of convestive entay 2. The mode of the amounts
specified in the same article.
sole of entire orpo 3. The conditions and cach power exprestrs ial redemption which to effect at any timis thal res to itself the right to ed discharge of ins to serves to auticipate the to order are stipulated. of the indemnity herenn of the reciprocal ents
VII. The execution present traty is espen ments coutained thbect the fulfinent of the declared to be subject we thes ty the constitaky malitics and rules prese ligh Conitracting Parias liaws of those of the lligh comala, and whoens whon such a samet ion is necung the same mithe to take measures or
least posisio present treaty finll be ration
VIll. The presention be exclanged, at the ratilications aril ! $185 \overline{7}$, or as som as hagen before $\Lambda$
fiter that date.
In withess whered the same, and have is iaries have siency their arms.
thereto the seals of then, March 1t, bön.
Done at Copenharen,
Then folow the sigmatars to 1 pooms 9 ta
At the rate onesation awarted to jema the total compensanounts to $3,386,2 \sin$. the above treaty annoin by Great Britain of the portion tol
to $1,125,206 \%$. The Unitel States were ater (Apill th Treaty, but they sark a compenisation Treaty, to pay Deamark. of we dael. arrecd to pay the abolitu, of the do the ris-dulars the The determinatios of wor of their chips. The se the paymurn States in face, the immediate calsce of by the was, insalicio. An orler ss the saing Enit of a country to prevent deneded mita When hostilities are appreten a dustios Fry it is not unusual to take its ships ariby iry, laying an embargo isimposed on rea of layins an embargo is imphandt ometines an which it is theoun in
satiated by the dazzli liant 4 m: or wearied rithed and streng the meen of the enterald. ame from Scythia. timg do not ofted exe fond but they are es loun, an cye-glass in the gladiators. IIthe band ervitallised. $\mathrm{S}_{\boldsymbol{r}}$ Fin. (I'in, Mist. Nut. mis Chemistry.)
The green of the eme mis orcanie substances
The emerahl is found
ar Sauta Féde Bugrotí,
2. The nines were Dum. Gut the speculat
nered. it is also foo ththal, in: salzburs, is or cmpire near Ava. own trum the remotes
feet. Latuerly it lans - Mr. Emamel say 0 rich gralis green M, the carat, The incrase its value that of the diamor that there are m uropean and Asiatic It to the Russian, $S$ singelarly large inn treasury there carats, and the Duk ces in weight, (En ERI ( $\mathrm{F} \because$, cmeri merulio, smeresio from Maxos, Sm trany, Italy, and en masees, and mi intermediate betr grey, Specific ng and alamant esed in the polishi der is obtained cmistry.)
part of the emer
tis comes from geologist diseo cinity of Smyru re very extensiy ived from Asia 1 ear. Thus for th imports into th have been 6,5 ents. The pr
really a coars
is intended as a hostile demonstration. But an mbarto for the prevention of interconrse with thers raruly answers: that stoppatie of trade the it is intended to effeet is in reneral as inwhich it is those by whom tho embargo is enacted jurous those agranst whom it is levelled.
FWER.LLD (lir. émeramle; Ger. smaragd; Fineraldo; Lat, smaragilus; Span. esmeraldin; ta.s.smat (rab zamarut). $A$ precious stone Pro.pachee; irab is listinprislied lrom al in bich wimation. It is distinguislied from all the ex ms by its peculiar emeraht green lustre, arine in imensity from the palest possible ratue in full and decp colour, than which, as che a trul stated, nothing ean be more beau. . An andius coloris aspectus jucun $\rightarrow$ ond." ls emblates, he continues, if it do not phos, the verlure of the spring; and the eye, atiated by the dazaling flare of the more bridThe rens: of wearied 1 intense application, is mo heded aud treng thened br the quiet, enlivening Fenof the cherald. In Pliny's time the best ame from Scythia. Those met with in modern timas do not iften exceed the size of a walnut. *me of a much larger size, and perfect, have been Coad, but they are extremely rare. Nero used ne as an cye-glass in surveying the combats of he glatiators. 1titherto it has always been ound erstallised. Specifie gravity from $2 \cdot 6$ to ii. (P'in. Ifist, Nut, lii. xxxvii, c. 5 ; Thom: Clemistry.)
The gren of the emerall is said to be derived ni ortanic substances.
The emerad is found at Muzo in New Granada, br Sauta Féde Bugotí, in a bituminous limestone
t. The mines were let at a rent of 8,00 co. per rum, but the speeuation does not seem to lave wered. It is also found in mica slate at llenWhal, iv Aazburs, in Siberia, and in the BurEenpive near Ava. But the emerald has been onn foom the remotest arges. It is rarely found

Laterly it has enormously increased in Mr. Emanuel says that perfect emeralds of rich grass green are now worth from 201. the carat. The size of the emerald does incrase its value in the same ratio that it that of the diamond and ruby. It may be 1 that there are many very tine emeralds urpean and Asiatie treasuries, those which Ft the liussian, Saxon, and l'apal crowns singuhaly large and beautiful. In the inn teasury there is an emerald weighing carats, onl the Duke of Devonshire has one ces in weight. (Emanuel On Diamonds \&\&c.) EHi (Fr. tmeril, émeri; Ger. smirgel; merdio, smererio ; Span. esmeril; Russ. ik: Lat. smiris). A mineral brous ht to 1 from Xaxos, Smyma de. It oceurs also many, ltaly, and Spain. It is always in es mases, mud mixed with other minerals. internediate between grevish black and grey. Specific gravity about 4. Lastre elg and adamantine. Emery is extened in the polishing of hard bodies. Its der is obtained by trituration. (Thomtmistry.)
part of the emery that is at present used ${ }^{5}$ comes from Asia Minor. In 1847 an a geologist diseovered n deposit of emery cinity of Smyrna, and the supplies from re very extensive. The quantity, howfived from Asia Minor varies greatly from car. Thas for the five years ending with imports into the United Kingdom from have been $6,502,33,96.4,27,610,3,150$, ewts. The price of emery is about 9 s.
manly a coarse variety of corunium.

It is found in Comwall, and lattorly it is said to have ben diseovered in targe quantities in talifornia.
When Mediterranean wheat is freishted at is per quarter, emery stone is rated at $\cdot f s, 8 d$. per ton of 24 ewt .
ENGROSSING. 'The huying up of corn and other dead victuals, with intent to sell , inom again. (Blackstone, book lr, e. d?.) We have shown in another article, how nosurd it is to suppse that this practice should have any injurions inthence [Cons Laws]. But, for a long time most searctios that occured were either entirely aseribed to the induence of engrossers and ford italler [Fubestadinge] or, at least, were supmed to be materially aggrivated by their proeredings. In consequence, however, of the pravalence of more just and enlarged views upon such suljects, the statutes that had been made for the suppression and punishment of engrossing, formalliur \&c were repealed in 177\%. But notwithstanding this repeal, engrossing continues to the an indietable offence, puishatle at common law by tine and imprisonment ; thongh it is not at all likely, were an attempt made, that any jury wonld now be fomm ignorant or prejudiced enough to convict any one on suela a charge.

ENTLY, BILL OF. [Importation.]
ERIIINE: (Ger. hermelin; Fr, hermine, ermine; Linss. gornostai). A species of weasel (Mustrla candida, Lim.) abomiant in all cold comntries, particularly Russia, Norway, Lapland de., and producing a most valuable species of fur. In summer the ermine is of a brown colour, and is called the sloat. It is in winter only that the fur has that henutiful snowy whiteness and consistence so much admired. [Funs.]
ESLAliTO. A species of rush—the Stijuz trmacissima of bo ists. It is found in the sonthern provinces of Spain, and is partienlarly abumlant on all the sterile, uncultivated, and mountainons districts of Valencia and Murcia. Ikecknamm (History of Inventions, vol. ii. p. 288, Eng. ed.) supposes, apparently with good reason that the Stipa tonacissima is the plant described by Pliny under the name of Sparta, who ascribes its application to nseful purposes to the Cartharimians. (Ilist, Nat. lib, xix. e. 2.) It is still used for the same purposes as in antiquity, being namufactured into corlage, shoes, matting, baskets, nets, mattresses, sacks dc. Cables made of esparto are said to be exeellent: being light, they float on the surlace of the water, and are not, therefore, so liable as hempen eables to be ent or injured by a foul bottom. They are exclusisely made use of in the Sumish navy. Esparto is largely consumed in the manufacture of alpergates. These are light shoes worn by the Valencian peasantry, having platted soles made either of esparto or hemp, but principally of the former. They are extremely cheap and commodious in hot elimates; and besides being in extensive demand at home, used to be exported in immense quantities to both Indies: lat since the emmeiphtion of Syanish America this trade has greatly fallen off. The Spanish peasantry have attained to wonderful dexterity in the manufacture of esparto. 'After having soaked the rush in water, the women and children, without either wheel or spindle, contrive to twist two threads at the same time. This they do by rubling them between the palms of their hands, in the same manner as a shoemaker forms a threal upon his knees, with this difference, that one motion gives the twist to each thread, and at the same time unites them. To keep the threals asunder, the thumb of the right hand is interposed bet ween them; and when that is wanted for other

## EXCHANGE

## ESTRICH

purposes, the left thumb supplies its place. Two threads being thus twisted tuto one sold for little of a large crow-cuill, to yards are worth ahout $\frac{1}{b}$ more thau du, the maternats bers Trarels in Symin, part of the price. (1) 129; Fiselier's P'icture vol. iii. p. $17 \overline{1}-\mathrm{sce}$ also p, , and p. 57 sc .)
of Valencia, Eng. ed. p. 92, and p. .ine exports of
But despite the falling in branch of industry esparto shows to America, of late years. Many has materially advanced young persons are said to thousands of women and young persons between be constantly employed the production of nets, Alicant and Ameria in exiches excltive of great mats, and other light urtices , manufacture of numbers of men engaged sorts. Eiparto matting cables and cordage of all sots. demand, and the has come into very extensiv the rush, esparto various articles madiderable item in the exports labrade, form a conside tons are annually shipped of Spain. About 20,000 tons arena, besides consifrom Agulas, near Carthagena, derable quantitics from They are mostly sent. Valencia [Alicant]. They are other ports uf to Marseilles; but partly ansorer countrics. Miw Spain, and to Englam chinery has been sucecsstuly autacture, and the various branches of the sad to be rapidly exdemand for ats profuce in $1066,-0,0.41$ tons of tending. We imported in esparto and other vegetable Aure for du Commerce Lixtear, $1858^{\circ}$;
pajer. (Amuales.)
P'arl, PRICHI or ESTRIDGE di strozzo; span. truche; Ital. penna matta strathionum plama truche, de avestrux; Lat. stram which lies inmolliores). The fine soft down westrich. The mediately under the reathers of for liweaver in the finest is used as a substitne the coarsery or stronger manufacture of hats, mind the catimn of a stuff which sort is employed in the fabricatimin of a stan brought resembles tine woollen cloand and other parts of the from the Levant
Mediterrancan.
EUL'ILORBIUA (Ger, cuphorbiengummi ; Lat. euphorbium; Fr. cuphorbe; Arabu akainaizah). This is a kind of resin, obtanned Conary Islands Africa, the Cape of Good Mope, the Eayph and the and Western Africa, and also acrid, produeing a sense East. It is exceeding in the month and thront. of insupportable heat in in medicine, both exAt one time it was used in in consequence of jts ternally and internaly, bow discontinued. Its violent action its inse is neterinary purposes. chief employment is for veterinare, this term is

EXCRASGA. designate that species of mergenerally used to designathich the debter of indicantile transactions by whish the from their creviduals residing at a distance transmiswion of ditors ar

Among cities or countrics having any consiAmbe intercourse together, the debts mutually derable lye each other approach, for the most part, near to an equality. There are at al persons in example, a considerable number; but speaking London indebted to Hambarg; bal number of London indy, there are about an equal number of persous in Lomdun to whom Ilamburg in payment to personsence, when A of Londoth has a payment an make to 13 of Hamburg, he does not remit an equivalent sum of mouey to the latte, upon hamequivinto the market and ays a burg; that is, he buys an urder fromberg, requesting addressed to his debtor D of 1 lamburg, request $\Lambda$, addressed to to pay the amount to $A$ or his order. $A$, hinu to paying endorsed this bill or order, senighonr D .
havig endorsed payment from his neighbonr

 imposible to say, by merely look that it is all but outulations of any two or more loking at the mint pries of bullion in each, what is coutries, aml the change between them. And, is the par of cxneeksary, The importation nudy Gallion is the real test of the exellexportation of wan te stationary, neither flowing ing. If bulI a coultry, its exchanges many be into nor out be at par; amd, on the other be truly said it an ellux of bullion from a chand, if there ino that the exchange is against it a it is a rendy it there be an inllux of butland conmuntre:
II. Cirreumstauces uta

Exthange,-The exchaurce ictermine the Cour
dirmetrom par, by two classes of cise or mado to tist, br any discrepaney betwe oireumstanees: Tifth or ineness of the coins, or of the actual Wo which the substitutes consed in or of the lumblion Exclange, and their weight or tineness place will t- mintreulations; and, secondly, by an fixed by Lreae of diminution of the bills drawn in sudere cuntre upon another.
C. Jis biat selitum that the
carrovad exactly with their coins of any country when bey diverge from it, min allowancerd; and Pmoniz t the difference between the ance correthe vins and their mint value meat unl valuemademning the real par. Thus is be made Andins in in mitaitain corresponded with whele tho andan in meight and purity, those of Frint ene ibibly jer eent, worse or debased France vas rall be at real par when it wange, it is obPerentr, asaiast Paris, or when was mominally Lanten for 100\%, was worth in phat payable wad fegen fr. In estimating the $2,7, \pm$ tor. ertingec letween amy two or more real conves. monce: thy to attend carctuolly to that, it is fance that is, to examine whether cirIt, and if nut of the standard weirht their whte wins eirculating in they differ from and morrubed as to have a country are either This mint standard, or when considerably meis at real pars only want of credit, this Gectryt to the pal ontent when it is nertit, tha misis paper depreciated. When When th coins are trikn into ueciated, When this circumcure during the latter yeurs found that Wharatly very mueh acars on' the war, Wrady in our tarour. The the countad untr, beiag occarioned by thepression the paper currency in which beills Whins in the actual course of exchanms b be corrency of of cing from eireumstantere Werther, are of either of circumstances ather are nominal only: such as tries can of tiremintances anlecting as are *o countries trade together, and caelt , their deumatodities of proctisely caeh ,their dels and credits will toly the 4, the real excharage will wo "ipual, - the one will be cxactl at pra? "tramb by the otheractly equicains will be adje other, and their thasir of adjustel "lithout reare Butit very ratioly or any ouler fotrally due by miny happens that Ithe if almost aly two commitries * wheside of the oflier a nod thatis
duce mine alfect the exchange if 593 due by lamen to laris exchange. If the dythes market for bills the competition in the due by comparatively chants had to great amomnt of paymencutse of the competition in make in Paris, be crunter our merconsequently, the raris fior bills on Lrater than the
 The cost of convint Londen. Would the in favomr to another forms convesing balli and fall of the real eximit within which country. be contined. If lexchange between thich the rise expense and If 1 per cent, sulliceen them mist money from risk attending the trave to cover the money from Lomulon to pry the transmission of different to n London to Puris, it would be inor remitted mom for a bill of exchaner he paid I premiuma moncy difect to that ange on laris, prenium were less than 1 per ceity. If the
clearly be clenrly be his interest to make cent., it would could not exceed pre to remittances: payments by one wonld pred 1 per cent. is obvions; nid that it bill wonld prefer remitting moneys ; for cwery the at a greater premium than suillico buying a the breaking of monsy remittnnee. If to cover countries or out of hostifities betwe. If, owing to remitinge or to nay other cause ween the two cemitting money from other canse, the cost of creased, the tluctuations of to Paris were inbetween them mightions of the real exchange
limits with ince correspithin which such fluet increased; for the remittances in all cases with the Fhittances in casstres with the cost of making in the value of the curreminal exchange, that is, the currency no effect on forcican tries trading, the exprency is depreciated, the pratric. When of the bill drawm of comities derives from which only equivalent dra on his correspondent the sate gocis equivalent to the increase indent abroad is Buts exported, oceasioned by in the price of the But when the premium on a boreign deprecintion,
sequence, not of a fill of a deticience of $a$ fall in the value bill is a conrise of priceney in the supply of bill money, but favourable es and in these circumith, there is no favourable exchange operates circumstances the nuexportation. As soon as the as a stimulus to current is nur, the mere inspectionchange dioperations of thenger sufficient to to of a pries the premimm whemerchant. If it be rerulate the the sale of his will the exporter will reourable, of the protit bill must be includer winl receive on action. Protit he is likely to derive in the estimate action. The $p$ reater that to derive from the trans-
be the be the difference of prices nemium, the less will exchange last. And hence an unfary to induce what on expuld be produced by frathe same winh on exportation equal to the premium a bounty But for the same momern on foreign real exchange increases that an mafavonrable
tionally tionally diminishes importationtation, it proporchange is really mafarourable, the When the ex-
mootities importion lower than imported from alimow the prive of comnimur than their price at home as mot be so much of sturk oflysive of expenses, thus not merely to "t stuek of licir salc, but nlso to orlinnry purotit foreign bill if which tre imporior mompensaf firt or for the if he rejulf one to his mose pay for a or for the discoment, athedel to to his ar espondent,






Q Q Prod protionally

FXCHANGE
favourable. In the same way it is easy to see that a forourable real exchande must operate as a duty on exportation, and as a bounty ond importation.
have a neressury tendeney to correct the exchange They ean never, for my considerable period ercecd the expense of tramamitime bullion from the debtor to the ereditor country. lint the exchanfe camot contime eihier permathently favourahle or unfavourable to this exim. When favourable, it eorrects itsel by rentichur when portation and fucilitating impose sand effect by untavourable, it protuecs to exportation, and fiviur an umssats stes in the way of importation. The true pati forms the centre of these oseilhatims; and although the thousand ciremstances which are daily and hourly affecting the state of debt and eredit prevent the ordinary conse of exchange from being almether on precindy at par, its thetnations, whed within the one side or and have a constant tendeley to certain

This natural tendency which the exchange has to rorrect itself is powerfully assisted by the operations of the bill-merehants.
limghad, for example, might owe a large excess of debt to Amsterdam; yot, as the aggregate amonnt of the debts due hy a conmercian of the is seneralty balaneed by the arisency of bills on which it has to receive, theuld ruost probably be Amstedam in Gondon wortional redundaney of conpensated by a propor Now, it is the buminess thase onsome other who deal in bilts, in the same of the merehame whan deal in bullion or any other commodity to lay them where they are elieapest, and to sell then where they are dearest. They would, thercfore, buy up the bils dawn by other countries on Amsterdan, and dispose of them in London: and by so doing, would prevent any grat fall in the price of bills on Amsterdam in thone contries in which the supply execeded the demand, and any great rise 11 (h) happed to thase countries in when the sof laly aud his be betieient. In the trade betwen bratalumame conntry, the bills drawn on arear sum than those almost invariably to a featerchants, howerer, drawn on Italy. The bathe the lalim bills by huying up the exer them in llolland and hombom, combtries indelted to Enoland, prevent the red exchange from ever becoming very much depressed.
111. Negotiation of Bills of Exchangc.- Mills of xchange may be made payable on demand (the invariahle term of payment in the ease of checks, , at sight, at a certan specitied time of or sal term after date. or at ustact, Which of the phace where alluwed ly the custom or law emmeries, though the hill is pavable. In mollowed for privment not in all. at tow days are bill becomes due freond the term when the of ace, and vary in 'Jhese are demmmated days ariain and lreland, :3 ditherent parts. hal Great an bills execpot those daye frete are athowed on must be paid ats som payahte un temanl, whed is a statement of as presentent. The roll of grace, it ans, for biths drawn upon some of the principal commercial cites:- $d, m|s, m| d, d|s, d| a$, respectivedy $m$ 个, muths aftar dute, months after sighti. dennte morn days after sight, days ifter dulys after dati, days after sels, actortance.]


Tork
Perce, art. lotis payable at sicht, or om dimand, or at tes than Anstria, bill or clate, are not atlowet aty days of of we. is er hifli, after date are allowed to day hrace, wht and gat ly 3 day' grace.

In the dating of bills, the New Style is uetin ary comntry in Europe, with the exception of Russia.

The Stumps on Bills of E.rchange and Promis Notes have been fixed by the $17 \&$ is liva . $83 ; 23$ Vict, c. $15 ; 23824$ Vict, c. 28 Vict. $\mathbf{c} 5 \mathrm{ti}, \mathrm{a}=\mathrm{fllow}$. 2) Vic $\qquad$

Giland bill of excluange or promissory note, for the arment to the beitret, or io ordte, al aily that; oftrerwae blat Not exceding ? aod not cerestinit

| 16 | * |
| :---: | :---: |
| $2 \%$ | "1 |
| (1) | 3 |
| \%is | 17 |
| 1010 | 17 |
| 2493 | * |
| 3,541 | " |
| 4 M | ** |
|  | 3 |
| \%stl | ' 1 |
| 1.0010 | * |
| 1, $5(H)$ | 34 |
| \%,1(1)1 | 14 |
| $3_{4}(\mathrm{HaC})$ | $1{ }^{\prime}$ |

 hes payalte out of, the Unised Kimgdom drawn sinity or oflery ise on an julatu t.il of the more, litessat and tenor.
If drawn in seth of three or more, for every hill of each wet, where the sum payale therey shall $x$ scedding e2's and mot excedios

(Notu alureby umbe payibic


 Kinfalom, and payable out Forestu lill of exclange wh of the Unated kindom. and payable or indorsed or negolialed sith twhe,

In London bills of exchange are by suld by brukers, who go round to the merchants and diswor whether be


## ELCHANGE

tire mpply nud demand for bills, sugesest a price
at wheh the greater part of the trnusaetion the day are settled, with such deviationetions of ticular bilts, from their being in very hins as parcredit, may be subject to. The wery high or low hrokers is that which is published in breit by the List; but the tirst houser thed in Wittenhall's their lills on $\frac{1}{3}, 1,1 \frac{1}{2}$, and 2 per cerally negotiate than those quoted. In Lontlon and. better terms omanercial cities, a class of midellemother sreat liry ly on the rise and fall of the expeculate huying bills when they expeet a rise, exchanfe; them when a fall is anticipated. rise, and selling It is nsual, in drawiug fore
th draw them in sets or duplientes of exchange, should be lost or miscarry. When lillst the tirst in wets, each anust contain a conditiouro drawn shall be payable only while the others that it uptad: thus, the first is paynble of hers remain and third mpadid' the second, 'first 'second being unpaid;' und the third, 'first and seond unnaid.'
The stat. 17 \&: 18 Viet. c. 83 directs that the dutes in respeet of bills of exchange drawn oue dithe l'nited Kinglom shall be denoted by proper misioners of Inkand hevenued from the Comsame, (Sec, 3.) hevenue, and applied to the ame, (sec, 3.)
The holder ot' a bill drawn out of the United the same before negotiating it, under a ptamp to 50. (Ste. 5.). Pesend drawing a biil purporting to the one of set, shall forfeit $100 l_{\text {; }}$ a and persons receiver of the bills shall not le entitled to recover on the such Nec. 6.$)$
rovely promissory notes for payment of mouey ithin the Lnited Kingdom are to pay the samey ii) Inland promissory notge $(23 \& 24$ Viet.c. essme duty as Inland Bills execeding d,000\%.

So arithetic can have any dithe fundamental rules mating how much a sum of m whatever in atry is trorth in another, an of money in one Ferebange at the time. according to the state al books abound in examples common arithtions. But in conducting the of such coma a lirect remittance is not alwasess of exa a merihant in London, for exaus preferred. thare a dubt due by him in Parpule, means ess to ascertain not only the saris, it is his exchange between London the state of the guntlr, the stm which he must I'aris, and, wa bill on Jaris equiralent to his par in Londestate of the exchange between Lent, out ainbarg, lunburg and Iaris du London fotr happens that it may be more ar for it wihnn to buy a bill may be more adrontaheedson, and to direct his aroment to insterfowed in a bill on Pais, rather than remit of exthange. Ahe thermed the Aumit oshore the pringiple exmaple or two will the exchange ben which it is con-
 and betrem Prisis and conage) per poumd per franc, then, in anderterdam 1s. Gad adirect or indirect remittan to asertain most adrantageons, we munce to Paris d be the value of the we munt calculate a maitanee wern mane in Enrlish fit be less than that resultioush liolange, it will obrionsly besulting from the s, it will obrionsly be the proferable xamples.
ns 3iss rotailing. This is determinelt b0s pound sterlines) (the Imsterdamined hy stating, curreney in a frime): $:$ fol. Flemish (Amrratey in a rerbitrated value of $:: 1 / .:$ 10d. the moportiundan livh monev, or bill the frume. The moportional or Inris, were or hill of exchame. Whene, it the Eugquire lod. to dised by Amsterdimp a delot in dixchargo a diseharge a elebt of a frimente rethe exchanere bet of el franes: frame or 1/. to 3.1, it wonlde between London and in therefires, it whether ha be indilierent ton and limis were at whet her he remitted direetly to Enslish morechant
 tance would bere ahove 21, thenge be wem lanihand, would be prefrable ; when a dirent remithand, the direct exchance ; whide, if, on the other ferred. 'Suppose, to torn (Unierersal Cambist, vol. ii. p. 1:37), them Nelly
of London and of London and Lisbon to be at isid ' the exchange
and that of lish the arbitrated prion on Madrid boo rees per milrees, is 3 th . sterling price between Londeus piry dollar,
 London es: idd. lut if the eliret 000 rees : 68 d. London on Madrid be $3 \tilde{u} h$, sterliner pexchmuge of may 35id. fur remitting directly to per dollar, then throush for every dollar; why to Malrid, must fore the Lisbon, he will pay whereas, by remittinen Iore the interest of Wond pay only 34 , $l^{\circ}$ : it is there Indrid through Lishon. On thit indirectly to
Loondon traws $85 d$ sterliurs directly on Madrid other hand, if directly sterling per dollar ; wadrid, he will receive directly thronsh Lisbon, we would drawingeceve
3ld.: it is draw direc therefore the interest recerve only-rules:- $\begin{gathered}\text { on Madrid. Denee of Lomilon io }\end{gathered}$

1. Where the are
throngh the place whichan price is siven, dran trated price, and remith throduces the lowest arbi'2. Whe hirhest. 2. Where the
throngh that place whien price is given. draw produce price, and remit promuces the highest In compo lhewest.' (hirough that which
hates are conecruetration, or when more than ? much a remittanced, then, in order to dind how thinant to in the last jace or when them all will thing, to tind the arbitrace, or, which is the wame and the last, We have onled price between the first statements in the same only to repar. the dill. reme
as mine foreroing
terdan be $35 s$. Vemine between London and Am --rnsterdann and Lisbon for 1/. sterlins; butween tirs a te; and between Lishon. Mominh liur 1 ohd Londen 3 trans: what is the arbitrat laris tse rees London and Jaris? lemish: ass, ptare, as 3üs. Fleminh: 1/ . . siccome, as 1 ohe $=1$ ohd erusad
sterling : : dso rees : $2 s$ crusade, or for reses
 sterliner: 25 frumes, the sterling: ${ }^{4}$ franes: $: 11$ pound sterling between London ard prive of the This operation may be abrid amd laris.

$$
\begin{aligned}
& \text { Wa old crusade Flem. } \equiv \text { in old crumadi. }
\end{aligned}
$$

This abrilged cperation er
arranging the terms so thatidently eome ists in furm the divisors in so that those which would liule of Three are maltiplied toged staterents in the QQs 2 gether for a com-
men divisor，and the wher terms for a common dividend．＇The ordinary urithmetieal books alound with exnmples of such operations．

The tollowing acenut of the manore in which a very large tramaction was actmally conducted by imbirect remittances will suthciently illastrate tha principles we have been endeavouring to ex－ jluin．

In I80I Smin was honnd to pay to Franee a large subsidy；and，in orbler to dos this，three dis－ tinct methods presemed themselves：－

I．＇losemed dallars to I＇aris bey land．
$\therefore$ ．＇ro remit billt of exchange directly to l＇aris．
：3．T＇o muhnrise laris to draw directly on spain．
The tirst of these methods was tried，but it was finmad then Now and expensive；and the second and third plans were considered likely to turn tho ex－ champe arainst Spain．The following methoul，ly the indirect or circular exchange，was therefore moptet．

A merchant，or lemquier，at l＇aris，was appeinted to mamare the operation，which be thas con－ ducted：－Me chose Lomidon，Amsterilam，Mam－ hurg，Caliz．Madrit，and l＇aris as the principal ninges on whiclo the uperation was to turn，and he engaged correspothtents in each of these cities to sipport the circulation．Madrid and Contiz were the plates inspain whence remittancer were to be made ；and dollars were，of course，to be sent to where they bore the highest juice，for which bills were to be proeured on l＇aris，or on any other places that might le deemed more advantareous．
＇Ihe principle being thes established，it only re－
mined to regulate the extent of the oproraim，o ns but to isshe tor much pmper on spain，and give the circulation as much Aupport as prowib？ from real husiness．Whith this view，Jamban as
 chiedly diratted．as the prive of dollars was then


＇The business was cemmenerel at latis．wher tho negotiation ot Irafts issued on Ilambure Amstertam served to maswer the immeliano a mamds of the state；and orders weres eraspaitem Io these places to draw fir the rimblarsmanteng Loontom，Madrisl，or Caliz，accorling as the mure uf exclumge was mont iasourable．＇The preve． illos were all conilucted with julgmont，and at tended with complete suceess．At the rommene． mint of the operation，the course of exchane of Calliz ont London was $36 d_{\text {，}}$ i but by the han alopted spain got 3914 ，or above 8 per cral，to the remittance of dollars to lomdon，athl，nasilet． ablo advantages were also gainel by the cireuld tion of bills througha the several places on the t in tinent．（Kelly＇s Cambist，vol．ii．p．IN⿱宀女木；Thubents E：／cments of Commerer，2nd od．p．2：18．）

The following table specilies the value of the moneys of account of the principal plares with which this combtry has exchange tras－ations taking silver at $\overline{5} s$ ，per oz，anil speciliso alon the par ot exchange with such places on this hrou thesis．Alistracted from Tate＇s Vodern Combing to which the reater is referrel for fartherexpias tions．）

| Peierviurg | － | － | － | 100 criperks |
| :---: | :---: | :---: | :---: | :---: |
| Ilerlin | － | － | － | 310 vil．Mronclien |
| Copenhagen | － | － | － | 965 stulling |
| 11 mimara | － | － | － | 1 fi challings |
| Amsterdam | ＊ | ． | － | （14）centimes |
| Antwerp | － | － | ． | 1.16 erntimes |
| Paris | － | － | － | 1114 cemthlies |
| Frankfort | － | － | － | $21 /$ guld．or flur． |
| Vierna | － | － | － | f（1）kreutzers |
| Yenise | － | － |  | 100 centimant |
| Genos | － | ． 1 | － | l／ht centisimal |
| 1．ephinrn |  | － | － | bel centisinu |
| Miutrd． | ＊ | － |  | 8 reals |
| bidwor | － | － |  | 1， 100 m reis |
| New Jork |  |  |  | 190 cent |
| Ho Jasmın | ． |  |  | 1.41010 reis |
| Llavanuah | － | － | － | 1，0）centa |

$$
\begin{aligned}
& =11.6 \cdot 15 \cdot 222 \mathrm{~d}
\end{aligned}
$$

## an＋cr merel

 dint of acrons ＂hen su when a bill Hhen mane entrever niich lumays bill is lo ane have hat binal the dy alecery pramer．of thy of the alove coins，taking silver at $5 s$ ． $2 d$ ， sis，tid．per o\％，or any other price，and thence to deduce the par of exchamge at such rates．The valies of the conis 111 the rable of Coins［Conss］ are estimated on the bypothesis that silver is worth Us，ed．per 0\％．

## L．uw of Iblets of Exchange：

The ehief legal privileges appertainiag to bills are，first，that though only a simple contract，yet they are always presumed to have been originally Liven for a good and valuable consideration；and， secondly，they are assignable to a thirl person not named in the liill or party to the contraet， tor as to vest ins the assignce a right of action in his own name；which right of action no release ly the drawer to the acciptor，nor set－otl or cross demand due from the former to the latter，can atliet．
All persons，whether merchants or not，being legally qualitied to contract，may be parties to a bill．But no action can be supported against a person ineapable of binding himgelf，on a bill drawn，indorsed，or accepted by sueh incapaeitated ierson：at the same time the bill is good against all other competent parties thereto．
Bills may be drawn，accepted，or indorsed by the party＇s agent or attorney verbally althorised for the purpose．When a person has such autho－ rity，he must either write the name of his princi－

Where promtrition，for A B ，＇ drawio on the firm，for himself aod parenest his own name only，such accoptance hind partnership if it concem the trath．Jint the ek ecptance of one of several partuers on behill himself and partners will nut bind the othes it coneern the acceptor only in a separate as fistinet interest，and the holder of the fill， 150 time he becomes so，was aware of that ciraz stance．If，however．he be a boon̂ fide holdefis a sulficient consideration，aud hal no such ion care at the time he iirst beenme posesed io bill，no subsequently aequired kaowedte of misconduct of the partner in giving such seat will prevent him from recovering on sutid agninst all the partners．

Althought no precise form of words is rain to constitute a bill of exclange or promiseng yet it is necessary that it should be prapatie ent events，and not idepend on any rontingeler： mate por mate frome nhot for payment of mincy ind pabis some
like．

If，however，the event on which the parmif to depend must incvitably happea，it is of in portance how long the payment nay be is jense；so $n$ bill is negotiable and valid it if payable 6 weeks after the teath of the drom

## 

cumb it ase. Ang marerial atteration of a bill after it haty
 lite, sum, ur time of paymen, will invalibate at: but the mere correetion of "1 mivt invalitate wething the wurdy 'or order,' will hate no buy whict,
The ungotialnitity of a bill depemps on the in
 Sinh a ly making it payade to. I or order, or to
Whowerh bill is prer generally:
 in in erraina caney $t t$ want of sublic consideration. find may la insisted on in defence to at convidera a bill. Certain considerations have hern and int fireal has satute; ha for sipnimerale bern mate Ltimete, for mancy won at gamink or fur rumtes cerTll a huring cuntrate Buf, with money lent aminge it is hedp that a bill temonted on to - Whling teansaction is woon! in the hands of a
 maimally funuded on a usuriut holder, althomert imalil.

 1010 diliten
ar silitrenes in th

 live, and of the hartiom, the divan wemdiner the the live, and the facility of eommument which there them.

When the
third party, altor proterefinses to arceps, any for the of the hill monerally, ur tive aropet for the for the indorstr ; in whichs, "r tin the dratwee, or called an acerphathee sumpra protest accophathe is The drawers and fiderue powest.
liabilits, mbless due motico are diveharged trom
 athe time the bill becomes due, or mon payment motices must he given wis the, is pivem. Theon at the parties to whom With all due diligentere bo on pasmant in om the hollor means to rosur
 moliatus, motice is kiven med daye an ill
 day, when he shomh rive froser is allonela arties who :tre liable ta hem, forice to tho -
la sencral, if a bill is fair aud legal in its orisin. a viboentent illyal contray or considerat ong the the hampon a a lumat tide will nos invalidate it in the hand uf a bena tive hohber.
A hill cambe the given in evidence in a court of justive midro it be duly netmped, not only with denumatime. 1 10
Awhtame of a bill.-An aeceptance is an on Ghe amento puy a bill aceording to the temor of pualfied, ha thach maly be cither absulate or
 Gume by the drawee writiner e repolest, which and sabseribing his name 'Acceptod' on the - only ar merely subseribint his mame Ae
 Hatce is when a bill is arecpter conditionally when amber bill jew paid, or dratsee are molif, a the mat sind the or other theture event ane hew haticmed.

Hy indeat of boly te also partial; as to pay Thace foun that repuired byy at a different thme Wral a comblitiom or partial neecptanee the arima to the fill in defanlt of pesort to the of har wie to them ot such partial or ponditiont, mive pribuc.
 a cesary to prisent the bill at tho ance, te the drame lives, or where tho honse Falle at a bakeres. It. c. 78 all bills accepted Fintd a general aceres or other phace are to be fred parable at a berptance; but it they are aeWr wewhere, it is s 'only, and not otherthe aeceptor in hot liab qualitied aceeptance, bare been of payment when such pill, ex hare been first demmuled at the bayment areented for a to keep the bill 24 hours. presented for aceeptame. Thu are hours 7alad bill must be in u'riting on the face of Wharts: methine she sharts than one, face of of ascep pance,

保
on time ufter sighe, payable at sight, or at a
to tix the time when it is te ether case, in
for aeceptance; and the to be paid, be pre-
acceptance; and the date of the pre-
the restence of the parides porf, however near whon thongh the hentre matay be to etheh othor
 letee contaning get st will be sullicient ; but the
 dyminted by that whice. or at a receding-hown
 the all; and it sure what pares is helat to be netier
 "ther iramers. netessing to give notive to the limultor.
bin, the holder, of if ubite or mon-payment of a proteal it; that ix. dravic un a ary for lmm, shomh berecte or pay the bill upi notice of the refosal humber ikginas sustainin the declaration of and bills need not he promg lose therelyy. In are nsmally whly moted fire und in pratice they his, withim the protest in whareptime ; but aldels nohhing whaturest, is wholly furile, mal holler, whine it eatatily to the vidance of that lialle to pay. Intorsement
 ramsfers his right to amothergotiable hastrument inturse. It is usually uther brisom, termed tha and must tre in writing; but on the bock of a bill, cribed any wet form of ; but the law hats mot pre eremony; and in enemeral and ancessary to tha the intherser is sudicient the more signathere of All bills pavable the
sum upwards are uewo wider or fo bearer for $1 /$ The transer ofthem for a we indorsememt ; and fore they are bavila : wom consideration, he drainst all the precedent pives a right of artion bills in themselves are piluties on the bill, it thi. they are due will ouly valid; but a trambire after ithation of the person pale the holder in the bills may be trunsfur whom he takes them or by intorsement and delivery bydeliveryonly. order are transiered belivery : bills payable in but bills pavable to by the latter mode ond. either monle. On bearer may be transferred tip; person making on a transfer by delivered by berson making it ceases to be a party to ery, the intents a fransfer by indorsoment, he is to bill: A bill ori, pinally ehargeable as a he is to all y rovilicicinally transfrable may be rew draver. hy restrictive words; for the may be restrained hatrius the absolute property thate or indorsee, cxpress words, restrict ise iurrenes bill, mity, hy or any other words ${ }^{\prime}$, or to $A$ a for his ins? or any other words clearly domonstratis nses? intention to mathe a restrictive demplimstrating his


## IMAGE EVALUATION TFST TARGET (MT-3)



Photographic Sciences
Corporation


## EACIINGL:

ment. Such special indorsencut prechuse the prowon in whese fayour it ight action against transfer, so as to give a right or preceding parties he special
to the bill.
In takine lills to accome or discount, it is im portant well to examine all speciat molorseme dis Lord Tenterden decided that a jerson order for counts a bill indorsed 'Pay to A he risk of having my usc,' discounts it sulyect to the ribker who so to pay the money to the special indorser, w party limited the application for my wof of the bill twice may be liable to pay the amome ortains that the wer, unless ho precionsly ascertains the to the mament has been made
import of the indorsement. , bill may be inAfter the payment of part
dorsed over bur the resine. Pament. The holder of a fill nust be carelul to preschi it for payment at bill must be careni to phe drawer and indorsers the time when cue, or the dir liability: even the will be exonerated from their hath of the acceptor hankruptey, insolveney, or to make presentment to will not exense a meglect to mor will the insuithe assignces or excentor; nor wert constitute an fieieney of a bill in any rof: the presentenent excuse for non-presentment: time of the lay should be made at a reasonaf by the known custom when the bill is duc; and are payable only withof any trake or phace bits are pat must be within in particular hours, a presentmentilied acceptance, those hours. It a bill be at the place mestioned the presentment shoun batics in such quabitied acceptanee, obligations.
will be diseharged from their obsc ( ood lirilay,
If a bill fall due on publicfast or thanksgiving Christmas Diy, or any public fast or the day preday, the presentment must $7 \mathcal{S} S$ Goo. Ill. c. 15, ceding these holidays, by on the day preceding if a bill or note be payable on the onour may be these holidays, notice of the dishonour ; and if given the day following the honotice may be Christmas Day fall
given on Tuesday.
libls, however, pate or sight, or atter demand, tain time after date or fer fayment precisely at aught not to be fie the time mentioned in the bills, but at the expiration of the days of gracc. . Fhe vary are not allowed in some cetmitro should always be where they are allowed, and shond the place computed aceording to the nsage of the phace where the 1 ill is duc. (Sec head 111. of this where the Negotiation of Bills of Exchange.) At Ilambure, the day on which the but nowhere makes one of the days of grace, but nowhere else.

On bills payatle on demand, or when no time of payment is expressed, no days of graty on preallowed; but they are payabils no days of grace sentment. On bank poills payable at sieght the are claimel; but on billowed from the sight or usual days ol grace are allowed fore the aceptance. demand, as motitied by the de made only to the

P'ayment of a hill shorefused nuless the bill be holder; and it may be red up. On payment a reproduced and delivered on back; and when a ceipt should be written on thould be acknowledged part is paid, the same should be acknow linble upon the bill, or the party paying may be hanble so pay the amount a sccond tomo indorser.
Promissory Votes and Checks.-The chich bills of tinction between promissory not direct elugareexchange is, that the former are according to their ment liy the drawer to pay them accor third party tenor, without the intervention of a the party
as a drawee or aceeptor. Promisary botes may be drawn payable on domand to a persan name thercin, or to order, or tolnable; and in ail of are assignable and essimilated to lills by 3 d \& spects so meat the laws which have lnen stan Anae c. 9, that the the later may be fencrillo as bearing upon the latter may former. In bils understood as applicabcided, in case an instrumes. $\boldsymbol{r}$. Bury, it has been deally as to render it uncertain is drawn so bell of exchange or promiont whether it he may treat it as either ataine the note, the

1romissory notes, bills, (Irafte, wr umbertal in in writing, being made negotiable or trawtivabie. for ? less sum than 20 s., are voild, and proms for a uttering ool recoverable belise a justice of pace ceding isue of any promissory bote payabie the lasue of and fur a lese sum than $5 i$. he the bearer of England, or any lieensed Figlish thanks. is prohibited Bu 26 \& 27 Yict. c. 100 , the parts of 17 Gco. ill c. 80 which restran toe parts of io cot bills of exchange and pratiment notes for a less sum than 5h, and the schedule ( D) of 8 \& 9 Vict. e. 38 , snactin
straints in Scotland, are repealed.
A check or draft is as negoligee the same riga change, and action against the assignor.
of action are of two sorts : that is, they may either on plain or on stamped paprer. The finction was introduced by the $16 \mathbb{d} 17$ Tict. The peculiar conditions and limitativis un The pecnliar checks must be drawn, ant which preses enjoyed by those on stamped pater, Urietly stated in the art. Cuecess, to which reader is referred.
Any person drawing, accepting, or pavin? Any persissory note not duly stamped is to a penalty of 501 ; and a peralty of ic.! to a penaity of sending or receiving unit posed en parties sent a mreater distance : checks or drafts at fom the place where miles in a
are issued. It used to of especial importance to bank It used to beof espend notes, that ther shoul only be aware of the responsitility of the ace and other parties to such bills and notes, buy they ehould have sone knowledee of they whom they received them; for, it the ind turned out to have been lost er framule tained, they might be deprived of their on an action by the owner to recover per Lord'lenterden decided, 'if a person ake or any other kind of secusity under in the which ought to excte ecuainted with the any reasonable man acch ourht to put hiu athairs of life, and which ongry encuiries guard to make the necessery of ma do not, then the instrument ugainst the possession (Guidthall, Oct. 25 18:30) owner. ( $x$ uildhall, in contraventions doctrine that the claim of the bona tide doctrine, note that has been lost or sto invalidated by the want of the suspic quiries relcrred to by Loril Tentenien, gross negligence; und that to defeat claime it must ies shown that he tock , malà tide. (Cbilty On Dills, 9th This is an important, and, as we nias. decision. it facilitates the nes in and clears up and gives precisumt in

Beforo concluding this artice to int paper, it may not be rard to accepta two cantions wit's regard to accep
'ommenlation pal loss of bills.

1. A man sh ceptor to a bill videring whether same when due, a mily to the costs tutalso to the a the: parties to the wellerally anxiot wheter it a short di mip tixes the amot weetily recoverabl burk deent.
$\therefore$ Trakes who w bittr, and desire to peramious in resor sitem of cross-ace wham ents weth, an ${ }^{2}$ so the intergrity o exjethent often adopt matic. Indepe flampand discounts intest, aut haw expe suanecumodation is paitice. suppose, tor acoumedate each oth the aceptances being wras: weth $I$ and I Prisis to the extent of aty agy miforeseen mive mable to me bolles of the whole, as as the amptances of armert and it may si B wollhare provided fi, avamolation paper, mile tot the whole, nutren.
2. Incise of the loss or Culi purides thnt if rosing mithin the time drater shall, on sulfic emary bim if such bil Mber bill of the same ter ELCHEOCLR BLLLS. acta.. The name gi an lad on certain ermat at bome; but, es. wison licelises and postf the manngement of equently ineluded in the marese of one sort or anem, and perhaps imposed a duty of 1 p prenalum) on all nrticle - sed in public marke andtemely modcrate, rat fail, fron the difficu mivent is interference ridalas, and the abuses bhoucavion chamour an na ras otived to soly rras otlijed to declar dheen apmpriprint for sup - (Taciti Amnal., lib. it auderwent vario mbe suliciently well es forto home, and perhi whergent towns. In th re would not indeed Whad its collection. I good dieal in com an Paris and other erre

EXCISE
lommulation paper, and proceedings in case of th
I, I man should not put his name as acreptur to a bill of exchange withont well considering whetber he has the means of payine the same when due, as otherwise he may be liable not onle tha to costs of the action against hinselt; , the parties to the bill. The shren against the on equerally anxions to get the aceeptance of his delter at a short date, well knowing that it not onytixes the amomen of the debt, but it is more weedily recoscrable by legal procedure than a
2. Traders who wish to support their respectabity, and desire to succeed in business, should orstem on eross-accomm to what is called the whom cuds well, and usually aceeptances: it at to the integrity of the parties ; it suspicion espethent often adopted by swindlers to defrand the pulitic. Independent of the expense in impos, diseounts, and frequertly in noting, mitus, aud hav expenses, the clanger attending patice, suppose, for instance, to deter from the seommedate each other to the amount mutually the aceptances being in the hamow of $1,000 \mathrm{l}$. prowe: outh $I$ and $B$ are liable to such third persis to the extent ot'2,000\%. each; atd should It bur unforeseen oceurrence be suddenty rend ded uable to meet his acceptances, the
hodes of the whole, as well the aceptand as the meptances of $B$, will resort to $B$ of 1 pasmentiand it may so happen that although Bawdiare provided for his own share of the wile th the whole, and may be unable to Enivent.
3. In case of the loss oi' a bill, the $9 \& 10 \mathrm{Wm}$. Ill c, li provides that if amy inland bill be lost derner shall, on sutficient security payment, denaif him if such bill be found arrian, sive kate lill of the same tenor with the first. ECHEOLER MILLs. [Funds.]
hacs.. The name given to the duties or comal at home ; but, articles produced and his on lieenses and post-horses are also pe. the 4t the management of the exeise, and ared arpently included in the excise duties. mercise of one sort or other has existed in ts Itras introduced into $R$ in all ancient inpsed a duty of I per cent by Augustus, artadium) on all articles, whether great or sod in public markets or by auction. fan extremely moderate, a duty of this sort nam fail, from the difficulties in the way of widals, and the abuses to whe the dealings bheoceasion clamour and to which it inust bolkng time beeame so very prevalent, that * mas oliged to deelare that the mainWhenten amy, for the support of which this Wh (Tapropriated, depended on its being it undervent various i. sec. 78.) Inanges. It whe ufficiently well established tiat it adro home, and perhaps to some few grat towns. In the smaller towns wold not indeed have sufliced to -n on of its collection. It therefore had etann duties charged on com with the imarais and other on conmodities
mast But the lefective mode of its assessment and oneroms (Gibton, Deryine more troublesome ad. IN:3s; Durean de la Mathe, and Irall. i.:211, des Romains, ii. - fio.)

- Pohtique
extablished in Holland, num the an early perion which they aflorded pointed hemere revemue leaders of the popmar party in the great ont to the as the most likely means by wheh they cond raise fumels to earry on the great contes in which they had erobarked. They were conserpently berorlaced by a parliamentary ordinance in J 隹; beer, cider, and on the mathers and vemions ot ale, followed the cxample of the repmblicams, buth sides declaring that the excise shonld be continned no longer than the termination of the war. Jut be aspint too productive a source of revente to been atecustomed to it for a few years, hation hadiad wat declared in I6:9 that the "impost of excise wes the most easy and imditierent levy that could mark that the repurple. And it is worthy ot reExcise let of $165 \overline{7}$, muthorising oflicers to make scarches, and directing the givimer of notices \&e., are very similar to those now in force.
The same reasons that made the excise be conexistence subsequen the Restoration secured its of its produce wity at the same time assigued in perpetuity to the Crown, in eompensation for its relinquishing the herelitary revennes arising from wardehips and other feudal prerogratives which were then abolished. And, notwithstanding Mr. orstice Blarlistone says that 'froun its first been olious to present the people of Ets very name has buok i. c. 3 ), it has continad progressively to gain gromm, and is at this moment imposed on varions important articles, and furnishes a large It is the publie revenue of the kingdom. Blackstone alludes did not prejudice to which any dislike to the duties themselves as in the neculiar circumstances connected with their imposition. Originally they were let in farm, which recent most unjopular proceeding; and down to a the assessmod of which was hardly a single duty of numerous lengthened, obscure, and contradictory statutes, so that it was hardly possible the any trader, however desireus to comply with The duties avod getting into serious scrapes. oppressive extent, smucgling was carried to an when a party was prosecuted, whether f; and intentional or unintentional iniraction of the an or for attempting to defrand the rovenue, the case might be daid before julges (without the intervention of a jury) in whose decision the public had little contidence. No wonder, therefore, that the excise whould have been unpopular. But farmers hos practice of letting the duties to years the been long abiandoned, and of late their assessment have regulations eomnected with this respect, indeed, nothing mon sumplitied. In render the rules tor assessing level to the comprehension of every one, and, calculated to interfere as little as possible with the details and processes of manufacture; and, supposing their assessment to be sutliciently ampitied, ant that they are of a reasonable dutics becat little objection can be made to the utics because of the summary jurisdiction exar-
cised by the commissioners and justices. On the expense. And considering that ail parties wh, contrary, this practice has same material advan- fancy themselves ageriesed by the deceison of
 of Exchequer for oflences agiinst the revenue, appeal at a very tritling cost to a harmo of ix their ease is, of course, submitted to a jury. But chequer, who rejudges the case, while those who in this court, as in others, iluays frequently take suppose themselves aggrieved by a sentane of the place, and the expenses are always very considerable; whereas in cases of summary jurisdiction, or huse adjutged by the commissioners and保 jurisdiction

Quantitios of the scveral Articles sulyject to Dutics of Excise, Charged with Duty; Iixported; and Retrined fir Inome Consumption in the United Kingdom, in cach of the Fears (ended . Mareh it 1863, 1861 , and $1 \times 65$, with the Nett Amount of Revenue reccived for cach Article.


The excise duties formerly imposed on salt, leather, candles, beer, glass, hops, paper, and other less iniportnnt articles, have been repealed. On the other hand, an excise duty on chicory, equal to the customs duty on coffee, has been imposed. And we doubt whether there be one of the existing duties which can be fairly ohieeted to on principle, or for its injuriously interfering with the manulncture, or being too high. Whatever may have been the case formerly, the excise is now fully entitled to the eulogium passed upon it by Arthur Young:-' Excises are by much the farest, most equal, and least burdensome of nll taxes. They are paid voluntarily. Not a shilling is contributed but in proportion to the free consumption. The Dutch, who have been deservedly esteemed the wisest nation in Europe in all matters of taxation, have been enabled to preserve their industry under burdens of which we have no experience, and searcely any concention, principally by their laving adopted this mode of taxation.' (Political Arithmetic, part ii. p. 46.)
The excise duty m sugar was imposed, by the Aet $3 \& 4$ Vict. c. 57 , on all sugar raised in the United Kinglom, whether trom beet-root, potatoes, or other materials. It is the same as the duty on British colonial sugar. l'robably, however, the better poliey would be to prohibit the home proluction of such articles, inasmuch as it is sure to facilitate smurgling and adulteration.
The laws with respect to the general management of the excise were consolidated by the $7 \& 8$ (ieo. IV. c. b, from which the following particulars are selected:-

Commissioners.-Four commissioners were to constitute a board, but the Boards of Excise, and Stamps and Taxes, were consolidated by the $12 \& 13$ Vict. c. 1 . They are to be subject, in all things relating to their peculiar duty, to the orders of the Trensury. They may appoint collectors and other subordinate officers, and give them such sataries and aliowances as the Treasury shall direet; buc they are not allowed to increase the number of inferior officers without the permis-

sion and approyal of the Treasury. No, ment of the llouse of Commons can be a commisemate of excise.
Officers of Excise,-Until this year (18) officer of excise was to vote or interfere at ats election of a member of Parlianent under fin of forfeiting 500\%, and being renderod incomb of ever bolding any office or place of trust and her Mnjesty; but by 31 \& 32 Viet. c. 33 , the disabilitios of revenue oflicers to rate at sut eleetions are removed.

No person hoding any onlice of excise is todat in any sort of goods subject tr the excise laws

Any person bribing or ottering to bribe as officer of excise shall forfeit 500 F ; and eve officer accepting such bribe, or doint. connirt at, or permitting any act or thing whereby ass the provisions of the excise laws may be erai or broken, shall forfeit 500l. and be dedind canable of ever after serving her Majesty in as e apacity whatever. But if any of the partis wich illegal transactions shail inform agarm other before any proceedings thereupon shallts been instituted, he slall be indemaitied ary the penalties and disabilities imposed fors offences.

Duties and Poucers of Officers.--It is for any oflicer to enter any building of place, used for carrying on any trale subides the excise, either by night or by day but night, in the presence of a constable or officer), to inspeet the same sic; $^{\text {; and }}$ up officer making oath that he lins canse to so that goorls forfeited under the Excise det deposited in $\mathbf{m y}$ private house or piace, commissioners of excise, or ons: justiee d peace, may grant a warrant to the offieer to such house or place (if in the aight in the ma of a constable) to search for and seize such of gonds.
Specimen Books may be left by the ofici the premises of persons subject to the exdis and anyone who shall remove or deate books shall be liable to a penalty of 2001 .
ercise lans to one foul
her to nutitignte oxcise,
Distributicn of or Pentin
alies and forfeitures in
trere distributed, ha
mor sue for the persor
th well penalties for thatt
se to ber Ifajesty are, at
de to her Majestr, and
chatres of collecion,
cuatres of collection, of

molusitely in ataking
mar direet his share


## ENCISE

Remoriag Goots to avoid duty,-Geods frandu lently removed or secreted in order to avoid the duty to be forfeited; and every person assisting value of such woods, or luol and bos? treble the value of such woods, or 100l., at the diseretion of
the comaissioncrs. the comaissioncrs.
Obstractiug Officers,-All persons who shal mider ate aty oflicer of excise in the ex
 whimee. matert 2001/
Mhicers violently resisted in making any sci-
zurn may oppose firee to force; itheir womding to force; and in the erent wh when so opposed they on hilling any perlail, and may lead the merall be admitted to Iustices, mavors, hailits, constabue.
dintices, marors, hailitls, constables de. are re$t$ puace othecr who oncers; and any constable fals somb with an excise oflime request, deWh for every such offince. thiments of
centred for goods seized -No claim shall re entred for goods seized except in the real zames of the proprietors of such goonls. Claimants are houd with two sureties in a penalty of loot on ma the expenses of claing; and in default Procerdings in Courts of condemned.
Prucedimgs in Courts of Law.-All penalties
under the excise laws ma rerel in the Courts of may be sued for and recoElinburdh or Dublin respectively, acsiminster; the offene may have taken pely, aco rdinir as Seotaud, or Ireland; proven place in Eingland, notand on the courts commence w that the proceed the comaision of the offence withit 3 years after Intumatins for the recone
cexpec laws in Lomdon may of penalties against ded br anr three or mure ot be heard and admind revenue; and in ot the commissioners mations nay be exhibited be proces such indaard aad adjudged by any two or or more, Wh of the peace. The 28 de 29 Viar more, jusHitiont of appeal where the penalty exceeds. $50 \%$. ther see cause, exalties,-Just ices are authorised, 1 wre see cause, except when there is a spefrovision to the contrary, to mitigate any excie laws to one forrthce commit ted against raisionets of excise wart thereof; and the thetonitigate orense, when they see cause,
 alies and forfevtures incurred und to 1868 ail 6 Were distributed, half to her Ander the Exeise to the ollieer or person who sher Majesty, and tm.orsue lor the penalt . But by ald discover, twach ponalties are, after Octoler \& 32 Viet. tg to her Majesty, and rewards are 1, 1868, to elarges of collection, out of supplies ve paid, ament. (Secs. 1 \&2.) On prool of any officer 2colusively in alaking a seizure, the commis ts may direct his share to be forfeited.

## FACTOR

Oathsand Aifirmations, - Pervons wilfully 601
or making any false oath or ations wilfully taking matter connected with the or atimmation as to any being convicted of suche offene laws shand, uphe and penalties incident to wilful suffir the paina jury; and those procuriue wilful and cerrupt, persons to swear or athran falsely subarming such pertion, he liable to the pains ably shal, upon convisto subornation of perjury : and penalties incident Actions afuiust isury.
mons, or process shall be sueders.-No writ, stumhor shall tuy action be broundte or servel upon, uted against, auy oflicer boght, raised, or prosu done under any of the excise exeise, for any thinic expiration of i calme excise laws, until atter the in! writing has been doli, month next after notice cifying the cause delivered to such otlieer, spoand phace of cause of such action, and the name it is to be brourde ot the person! in whose name it is to be bromeht. No persont int whose name any excise oflicer for any thine shatl lie a arainst excist laws muless it be my thing sone muder the after the cause of action shant withen:s honthes in fayment be given arainst thate arisen. It in favour of the detendant the phaintilf; and very such action, have treble costatter shall, in Forging Certificutes \&e.-by eosts awarded. c. In it is enacted that if By the 41 Geo. III. connterfit, or knowingly give any one shall forge, cate required to be granted be any forged certificise, he shall be guilty ot felongy officer of exicted, shall be transported for for, and being conAll individuals carryined for $\overline{7}$ years.
jected to the control of the on any business suiicenses, renewable chiefly excise most take out 10, mumally. [EIcenses.] on July 5 or October All such individualses.]
entries of every building, platso obliged to make with case may be, in the name of the or utensil, With the ofticer of excise name of the reatowner, building, phace se shathe ill whose survey such found employed in suan be situated. Individual are severally limble in a pedenty of manufactorie. offence; and in the evenalty of 30/. for the tirst refusing or neglecting to por any such oflender to be committed to the pay such penalty, he is other prison for 3 monthouse of correction or labour, till the tine of 301 , to be kept to hard term of 3 months has expired. been paid, or the of a second offence, the fine is to if found guilty the event of its not being paid to be $60 l_{\text {; ; and in }}$ is to be for 6 months. 7 i paid, the imprisomment Permits are usually ( \& \& Geo. 1V. c. $5 ; 3 \mathrm{~s}, 33$, of exciseable commodities. nssary for the removal EXPECTATION, of lif. [JERMITS.]
ENPORTATION, of life. [Fssurance.]
of senting or carrying commonerce, the act comntry to another. [I commoditics from one (rontation Ant ExEXPORTS
yond seas. [Jupours articles exported or sent be-
xronts.]

## F

tush an agent employed by some one
their accowiluals to transact business on to the samie place is not generally resiin a fortign country his principal, but Gl letter of attorney or . Ie is authorised, od sell goods and mernetherwise, to receive transact all sorts of businese; and geneaplores, under such limitations and account \& the latter may choose to imand con-
very large proportion of the foreign trade of this means oft other comntries is now carried of this Factors and brokers are. identical, but in others they are radically nets nearly A factor,' said Mr. Justie radically different. materially from a broker. The Hormeyd, 'differs to whom roods are sener. The former is a persou not only the possession, but ingned; and lie has being usual to advance money upon them, has
also a special property in then，and a general lien unun them．When，therefore，he his authority：and nume，it is within the se，that the principal shomit it may be right，hasequeness of such sale．But he hound by twoker is different：he has not the the case of at grobs，and so the vember cammet posuession of hy the direnmstanee；and heredes，the rmploying ap persm th sell goods as a broker whes not anthorise him to sell in his own name．b， therefors，he selle in his own name，he acts be－ voud the seppe of his nuthority，and his principa is not bomme．＇

A factor is usually paid by a per－rentage or commission on the griots he vells or buys．If he act under what is called a del eredere commissors－ that is，if he gurenter the price of one an andi－ on cheome of nis to indennity him for this addi－ tional tomal responsibn the vendee＇s place，and must
factor stands in answer to the principal for the value of the goods sold；but where the fator undertakes no re－ sponsibility，nud intimates that he acts only on accomt of mother，it is clearly established that he is not liable in the event of the vendees failing．

The sound maxim that the primepal is respon－ sible for the acts of his arent prevals to bind in courts of haw and equity．In order bind the prineipal，it is necessary onty that third parties shonld deal hona tie with the conformuble to the conduct of the hate shof diang．Thas，a fac－ rommon usage and upon credit，that being in the tor may selisie of combuting mereantile aflairs： orthary ook broker，though acting bont fide，and hit is stiew to the benetit of his principal，ennnot With a sek upon crelit unless he have special in－ structions to that effect；that being contrary to the usual course of business．

A sale by a factor ereates a contract between the owner and buyer；and this rule holds even in anses where the factor acts upon a del credere commission．Hence，if a factor sell goods，and the owner give notice to the buger to puy the not be justi－ and not to the factor，the buyer wor，and the owner tied in afterwards paying the fact buyer for the may bring his action aga lien thereon；but if price unless the factor has payment to the indi－ vidual sellines is quite sufficient．

If a factor buy goods on account of his princi－ pal，where he is accustomed so to do，the contract of the factor binds the principal to a performanee of the bargain，and the principal is the person to be sued for non－performance．But it is ruled that if a factor enter into a charterparty of affreightment with the master of a ship，the con－ tract abliges him only，unless he lade the vesse with has principai＇s goods，in which ense the prin－ cipal and lading become liable，and not the factor． Where a factor who is authorised to sell goods in his own name makes the buyer debtor to himself， then，though he be not answerabie to the prineipa fir the debt if the money be not paid，vet he has a right to receive it if it be paid，and his reccipt is a sufficient discharge：the factor may，in such a case，enforce the payment by action，and the buyer cannot defend himself by alleging that the principal was indebted to him in more than the amount．
－Where a factor，＇said Lord Mansfield，＇dealing for a principal，but concealing that principal， lelivers goods in his own name，the person con－ tracting with him has a right to consider him，to all intents and purposes，as the principal ；and though the real principal may nopear，and bring maction on that contract against the purchaser
may have against the factor in anovi－ ＂mand of the principal．＇
chants employing the same factor renth． $k$ of his actions，although they are strals each other：thus，if ditherent merlias等 all them as a simgle lot to ans intionat and pone moiety of the pine duwn and
 are seend payment，each merthat mo： proportional share of the lose，and lawte－ acept his dividend of the moner adranex wes，Le．r Merc．）
fuctor employed without his kmalmy a otiating an illegal or fraudukent tramon an action arainst his priwepal．in as： med it was decided that a merchaut win is ned counterfeit jewels to his factur fomo them to be genuine，showld make is mensation to the factor for the impury dne by heime concerned in such a transiation as to the persons to whon the jewels hat n suld．
The allice of a factor or agent being one dif： at trust and responsibility，those whom放e it are bound，both legally and moraly，ar huct themselves with the nitmost fiditise mmspection．A factor should take the frate： of his prineipal＇s gools in his hatds：he the punctual in advising him at to his tramatis his behalt，in sales，purchases，freight es ore particularly bills of exchates he bed deviate as seldom as possible from the termes never from the spirit and tenur，of the ond receives as to the sale of commolitics in tere cution of a commission for purchasing gos： hould endeavour to contorm as closels a para icahle to his instructions as to the quairis kind of goots：if he give more for them the is authorised，they may be thrown on histre but he is bound to buy them for as mad ba： he possibly call．After the goods are broth must dispose of then aceording to order． 1 ． cend them to a different place from that tre he was directed，they will be at his ristite the principal，on getting advice of the trans：－ consent to neknowledge it．
＇Whoever，＇says Dr．Paley，＇undertakem：＇ man＇s business makes it his own；that 1.8 mises to employ upon it the same care，atol and diligenee that he would do if it were an－ his own ；for he knows that the busines res mitted to him with that expectation． promises nothing more than this．Therta agent is not obliged to wait，enquite sition about the country，toil，or study，whilst tos mains a possibility of bencliting his emplue he exert as much activity，and ust sum as the value of the business in his juldar serves－that is，as he would have thouts cient if the same interest of his own hat le stake－he has discharged his duty，山im should atterwards turn out that by mare and longer perseverance he might bare＇ ded the husiness with greater adrantage＇s． and Political Philosophy，c．12．）

There seems to be a grood deal of laxitis statement．It is necessary to distinguidits those who，in cxecuting a commising their services for the particular occsias without hire，and those who undertate th course of business，making a reglar ai
their ordinary degree of care and attention rit generality of monkind bestow on sminat by their own，it is all，perhaps，that canter
lut the latter will be justly censurable if they du tho end of n wery loun letter direeted his aront lut the

 rifeut ant alonore It is their daty to exert that foresportionally to the axigency of the thenselinamband neither to do anything, how
 andain dantue jur omit anything, however insinvilemble which the mature of the act requires. Promp the best fetueral rale on the subject is, to Pratin antur arent boumd to exert that dipmer of catre amd vicilanea which may be reasomsidy caperterl of him by others. At all cvents it - What he is mot tu be resulated by his own notome of the valate of the business. A mat may nown busimes of his own, or not think it a ort atcudine to: but lie is not, therefore, to be exatteet lar ne mesting any similar basiness he has umbtaka to transact for others. (lhere ara ame sery mond rbecrvations on this salyeed in
 (i) ami pussim.)

Ifactor who sells a ermmodity nniler the price in urdered may he ohliged to moke goud the diflirence, unless ihe commodity be of a perishathe
ature and not in to condition loneter to be kutt: gid it he purchase goods for another at a fixed are ant, their priee having afterwards risen, he audnently takes them to himself, and sonds them bmesthere dse, in onder to secure an advantage,
will be fonde, hy the custom of merchants.
able in damares to his principal.
An agent enployel to sell is not allowed to be
e purchaver, at leant not unless he make known
fat he inturds to be such and furnish his emoyer with all the knowledge lee himself possessir unless the court, preciving that the prinsal wond lose by a resale, think fit on that come to upholit the tramaetion. So neither ean arent employed to purchase be himself the er, unless there was a plain understanding ween him and the principal. And if an agent onemphyed to purehase, purchase for himself, will be considered a trustee for his principal. nith On Mercontile Lem, $\mathrm{r}, 1$ i4.)
a factor, in conformity with a merchant's or, huy with his money, or on his ermelit, a comdity lie is directed to purchase, and, without ane advice of the transaction, sols it again at rotit, appropriating that profit to himself, the that may recover it from him, and have him ceel for frame.
a factor huy, enformably to his instructions, of which he is rubbed, or which suffer some oidable injury, he is discharged, and the loss on the priucipal. But if the goorls be stolen the factor, he will not be so easily discharged; e fact of their having been abstracted hy , and not ly violence, raises a strong pretion that he had not taken that reasomable fthem which was incumbent upon him. If, fer, he ean preve that the goods ware lodged place of security. and that he had not been of positive nestigume, nor exercised less wards then than towards his own property, 1 not be hedi responsible even for a thet't tted by his servants. (Jones On Bailments, p. it ; Chitty On Commerial Lau; vol. iii.
factor, having money in his hands belonghis primeipal, neglect to insure a ship and according to order, he must, in the event of misearrying, make good the damage; and ake any composition with the insurers after , without orders to that effeet, lie is ane for the whole insurance. A principal it

If groods are remitted to a factor, and lie waks Galse entry of them nt the Custom-luonse, or land them withont cintre, and thes are in comsa ${ }^{\text {quene }}$ seized or forledicel, he is bumad to make food the damage to his principal ; but if the fuctor make his entry aceording to invone or letter at adrier, and, these orovinereroneons, the Emods ar suized, ho is dischared.

It is now a settled proint that a fator hats a lient on goods consigned to him. not enly for incidenta charges, but as an item of mutual ineomint for the
 seswion. If he be surety in a boud for his primei pal, he has a lien ont the goomes sold by hime on atermint of smeh principal, to the amonint ol the sum he is bound for

It lwing the general ride of law 'that property does not ehange while in transitn,' or in the hamis of a carricr, a consignment mate before the bankruptey of a consignor, but not arrivingtill uttor remains the property of the consipmor, exeept, indeed, where the defirery ls made by the order and unon the acomat of the eonsiumee, ame is a complete alimution from the consignor. In the eare, therefore, of a consignment to a factor, the property remains the eonsignor's, and passes into the hands of his assignees. When a factor hiss it lien on goods, he has a right to the price, thongh received after the bankruptey.

Where gencral or unlimited orders are given to a faetor, he is left to buy and sell on the best eonditions lie ran; and if detriment arise to a princijal from the proceedings of a factor acting under sueh authority, he has no redress, maless be can show that he acied fradulently or with gross ncyligenc.

A factor or broker acting against the interest of his prineipal eammet even receive his eommission. If he pay money on account of his principal withont being anthorised, he eanmot recover it bitck.
An agent cambot deleqate his rights to another so as to bind the principal, unless expressly atothorised to nominate a sub-argent.
(For turther intomation as to the menemal powers and liahilities of tactors amd igrents, se Brawes, Le.r Mereatorin, art. 'Factor',' 'Sulercartoes \&e.; Chitty's Commeriftl Lute, vol. iij. (. :; Woolryeh On Commerciul Lenc; 1 ). 317329 ; Smithis Merantile Lat, DP. 109, 169 ; de.) [Bnoknis.]

Uuder the law with respeet to dhe transactions of factors or agents on third parties that prevailed down to the Net 6 (reo. IV.e. $9 \cdot t$, it was held that a faetor, as such, had no antlaority to pledye, but only to soll, the goods of his prineipal; and it was repeatedly deeided that a prineipal might recover back grools on which a bona fide advanee of money had been made by a third party, withont his being bonnd to repay suel udanee, and notwithstanding this third party was wholly ignorant that the individual pledging the goods held them as a mere factor or agent. It used also to be held that bonâ tide purelasers of goods from factors or agents not vested with the power of sale might be made liable to pay the price of the groods a seeond time to the real owner.

The extreme lardship and injurious infuence of such regulations are obvious. It is the business of a principal to satisfy himself as to the conduct and character of the tuctor or agent he employs; and if he make a finse estimate of them, it is more
cunitable, surely, that he shond the the suffirer that these who have no neates of knowing any thing of the bater. 'Ther ingutice of the law in guestion, aul the injury it did to the commeree of the conntry, had frimpenty excited attention. atul were very ably eet lorth by the late Lord Liverpoel in his miench in the Jomer of Lards on moving the seomad rading of the bill refermed to.
"Those of' the ir Lardshipes who were acrgainted with commercial transactions womla know that money was frembenty alvanced on gooks without its hering presible for the person alvaneing the money to hawe aly turther anduaintance with the transactions tham that the fintor was in actual puseresion of the quols. It then berame a fuestiom, putting frame out of view, it the fiactor beame a bankrunt, or in any oher way failed to asembe his engagements, whether the loss shonald fall on the principal who had eososiged these feods, or on the pledyee who hat advanced money on them. It had heren of late ruled that it the factor were intrusted onty to dispose ot the proproty, the loss must fall on the phedree. Ife memint to contend that this was eontrary to Cguity, and comary to ambegy-that it was tisapproved of by high anthority, and was condrary tu the latw in every bumtry of the word, exacept this, and the Uniten States of America, which hand dritwi their law from this commery. It was contrary to eguity, he thought, that the phorlfee, who had advanced his money without any frand, but on the bonat tide possession of the goods, should suffer. He hat phaced no contidence, but the principal who had apminted the factor had phaced confilmec. Ite conld limit him in his operations as he pleased - he could give him any kind of in-structions-he might qualify his power-he was bound to take precantions before placing emontdence; and he was in all respects mome liable to suffer from his faults than the pledgee. The hatter knew nothing of the power of the latetor; he saw only the foods, and adsanted his money on what was a sulficient security for repayment. On every principle of matural equity, theretore, the loss ought to fill, not on the pledgree, but on the principal. He knew that this view was connected with one very important question-that of possession and title; but it was not possihle for transactions to go on unless the possession was admitted as the title to the goosls. If this were an inditlerent question, or $n$ question involving only a lew cases, he would not have called on their Lordships to legisatate on this subject; but all the commercial interests of the conutry were connected with it. And he might say he believed that two thirds of the whole commeree of the country was carried oul by cousurning goods to a factor, and leaving it to his discretion to dispose of them to the greatest advantage, sending them to market when he pleased, and raising money on them when he could not send them to market. Bills of exchange, Exchequer bills, and money bills of every description were subject to this rule. If a person consigned Exchequer bills to a scoond person, and he parted with them, the third party who obtaincd them was held to have a right to them. Commercial proceedings were of as much importance as money proceedings, and he could not see why they should not receive the same security. It might be asked, perhaps, when this was felt to be so great an evil, why it was not altered before; but it seemed to be one of those things which had grown up, gridually, and which diel much misehief before they became extensively known. The first decision, he beliered, which established the law as it now stood was delivered in 17.42 ; and he knew that Lord Chief Justice Gibls had said he could
not explain the origin of that decioion. He a presed it misht have heron diestated hy wime fran That decision, the lord Chind du-tict maintan was at variance with the lest intereots at ous merce, and hand grown ond of errenometane it could not explain. l'rom the tinde of the tiret cisim, the decisions hath not bern humerno. of hate yars. Ite disl not donde bue the cols. had decialed according to the haw su it wanom fished loy these parecedente; Int in doung thatern hat espressed their regret that the" foreride
 extract from opinions delivered bey the late l

 ciases acourding to these procedents, that the hat berol established.] lle internet forme the op inions that these judges, thosurh they hal ? themselves obliged to deride in this way, supme What the law was eontrary to the kemeral andult of our laws and to the pirimiples of jative. If then came to the last consid ration-the lat . this country being in this respert differnt from The hav of ath ot her cometries execgit the las neme United States of America, In all uther comber the law was recognised to be what he widuln establish it by the bill lofore their laddif When there was no evidence of framb, it wa he that the man adsancing money on gromblo hath a fictor should not sumfer for lisi fialte, lart the the person whe contided in the fiator mut bet sulferer. This was also the law in socoland, bla hat makersame too, that the evils of the law me lint in smerica, and that memes had fent the for briming it before the Congress, sith as to assimilate the law of Amerima fo the law ofth comblies. If the guestion wre examinelth primeiples of erguity, by andogy with wher es by the anthority of those who dectided in oursour or by the pratice of other comatries, it wowl? timulthat the reasons were strong in fivour f bill. It was of great importance in ermme: tratsactions that our law should be like the da of other countries. It was not the same mith: lawn relative to real property- 10 our leal is if he might so call it ; but when the bill founded on equity and malony, he thouphting an additional reason in its favour that it dex lated our commercial hav to the commercil of other comuries. He did not know if he made himself understoon, or if he had sutione explained the olject of the lill; Gut the eas was founded in justice, and lie hoped to bareat Lordships' consent to it.' 'The nolde Fand cluded by moving the sceond readng of the to

Nothing can be clearer or nore atibid than the principle laid down by Lord Lirt in the above extract from his speech: bet Aet 6 Geo. IV. e. 94 , which his Lordhip duced, did not fully carry out his siews: for confirms bonat fite sales, mate in the on course of business, in cases in which the pan had notice that the seller was merdy an act does not contirm bonat fide adrances ma goods, or ou documents of title to goons, und same circumstances. To obviate this discer? to get rid of the litigation to whed eertain guities in the 6 Geo. IV. c. 94 had giver it to facilitate commerce, the following statate, Vict. c. 39, was passed in 1842.

Bonâ fide Adcanees to Persons intrusted $x$ IOsstession of Goods or Documents of Tith known to be Agents, protected.-Fron and the passing of this Act, any agent intrule the possession of roods, or of the douma title to groods, shall be deemed and taked owner of such goods and documents so it
locampetis deposit, fol the ralve at the t andise rhich, or the and nothable seear but exchingery.
but the stutute to
manatioms boni ficle.thint herein eontai Ifrul to whe valic
cments only, and to Fances, and cixehantre and mithout notice contracts ur ngreem (r'y to make the sat menhandise: against We construed to exte are for or in respect otrom any agent to Whise any or pledge sht from any expr thom the ovaer; b whe intemt of protect wranees, and exchang bot withee of stheht ot authority), and noti (Jufrose, streh con thall be binding ening of the Tersed ins st
hil of liding, Ind ' $N o c$
 - delivery of certificat debrety of goorls, or
a the ordinary course o wiston or control of
ating to authorise telirery, the possess er or receive poords ther mod and taken there
the mearint of the meaninim of this
ot of title, whet and p

FACTOR
five validity to any eontract or apreement by way
 famb adrance, or pagment, as wadl for any originat if uch zonds or dunmments as also fur may fiur therefentimuing advance in respert therofof; mat -whentract or arrerment whall be binding upon and Lemalagainst the owner of stuch goods, and all
 hat notice that the person with whem such have tant or agreement is made is only an agrome. (9, 1)
Rmai fivte Inqusits in Exchemye protertert.Whate ays surh contract or agreement fir pledge, Win or seciarity shall be made in consideration at the densery or transter to surh surent of any annowtialde sreurity; upon which thent of title, betivering ap the same had at the the person so a valid and arailable lien and security for or in respectt of
 and arrement, if honat tidie agent, such rometract Frab with whom the same may be mate of the Or demed to be a contract made in consideration of at atrance within the true intent and memning dil intents and purposes, and to tho shetlectual, to aiments and purposes, and to tho same extent,
aif the consideration for the same tiad in buni fle present advance of mone had been a hravs that the lien acepuired under such lastmentioned cont ract or agreement upon the goods for toximents leponosited in exchange shall not caLandise ubich, or the documents of title to wherthe nexotiable security which shall be delivered Bual the Stulute (scres. 2.)
transactioss bona fide, - This Act mo protect only Whint herein containell, shall and be cyery matter cotrued to wive validity to such contracts and fames aul and, and to protect only such loans, fond without notice that the be made bonat thennacts or ngreements as aforesent making hatr to make the same, or is acting malna fide mentandise : ond the owner of such groods Ohe construed to extend to or protect contained Whecetorstrued to extend to or protect any lien 3 from any agent to any person with or to arish lien or pledge shall be given, nor to frieg any agent intrusted as aforcsaid in foef from the owner; but orders or authority to the intent of protecting all such the porrpose adranees, and exchanges as aforesaid bonà fide with matice ot such agent not being the but withority), and to to of the agent's acting (ep pathoses, such contrict further or other sin shall be binding on the ownement as preons interested in such goods. (Sec. 3.) ming of the Term ' Document or' Tillc' \& wee hediug, lulia warrant, dock warrant, *delivery of goorts, or any wrant, or order hthe ordnary course or any other document **sion or control of coods or as prool' of pring to authorise, either or authorising thinery; the porssess, either by indorsement Oo receive grods the relby represeuted sht to the and taken to be a document of title the neaning of this Act; and any ageat at of aforeaid, and possessed of any such at of till, whether derived immediately
from the owner of suld gromis or ohtained 6a; reison of surh arent's having hern intrusted by the powsession of the gemetr or of any othrer with memt of title threreto, shall be dermed and takent to theo bern intrusted with the possessaion of the gowis represented by wach doxhument of title as hioressid, amb all romeracts phodying or giving a be dermed and taken to be respretively pledifes of and liens upon the goomls to which che same relates; and such agent shall be deremed to bo sossonsed of suel goonds or clocuments, whether the hadid hy any ot her person subject to fis control or oil his bedialf; and where any loan or ndvance shall be lonit fife made to any agent intrusted with oft in possession of any shel gools or theuments of tille as athresaid, on the faith of any contract or or deliver such gromis comsign, neposit, transfer,
 whall actmally be recijved by the person makine such loin or advonee, without notiee that meft arent was mot anthorised to make such pledere or decomity, every such loan or advance shall bo security of such th to be a lom or andsance on the the meaning of this Act, though such froods or doemments of title shall not netmally be received by the person making sweh loan or mivance till the period subsequept thereto; and any contract or agrement, whether male direct with such person an aforesaid or with any clerk or other agrecment wihh suele agent; and any mayment mate, whether by money or bills of exchanere, or other necrmiable scenrity, shall be deomed amid taken to be an advance within the meaning of this Act; and an agent in possession as aforemaid of purposes of this Act, to have becn intrusted therewith by the owner thereof, maless the contrary can be shown in evidence. (See. d.)
Agent's Civil Responsibility not to be diminisherl.or affict the civil resuonsibility of an agent for any breach of duty or contrifet, or non-fulfilment of his orders or authority in respect of any such contract, agrement, lien, or phedge as aforesaid. (Sec. E.)
Agent maling Comsigmments contrary to Instruetion of Principal, guity of Misclemcanor.-If' any agent intrusted as atoresaid shall, contrary to or behult the authority of his principal in that fiath, make nuw benclit and in violation of good delivery of any roods or documents of title so intrusted to him as aforesail, as and by way of a pledge, lien, or security ; or shall, contrary to or without such authority, for his own benctit and in violation of gool faith, aceept any advance on the flep of any contract or agreement to consign, meposit, transfer, or deliver such groods or ducube of title as aforesaid; every such agent shall convined guity of a misdemeanor, and being portation for any term not exceedinced to trimsless than 7 years, or to sufler such other pumishment by fine or imprisonment, or by both, as the court shall award: and every clerk or other person who shall knowingly and wilfully art and assist in making any such consigument, deposit, sunsfer, or delivery, or in accepting or procuring of a miance as atoresaid, shall be deemed guilty shall be liable, at the discretion of the court, to nuy of the punishments wheh the court shall
faIRs AND MARKETS

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award, as hereinbefore last mentioneds provided nevertheless that no such arent shan beitig, transuy prosecution for consigninh, dods or docaments ferring, or deliverint any sue hall mot he made at ferrin, in case the wamo shat marent of any of tite, for or subject to the parmont which it security for of money than the nmonnt wiar or greater sum of consigument, deposit, transiex, the time of such consige rand owint to such agent delivery was justly the amd with the anount of from his principal, torether wh or on account of any bills of exchan uecented by such ngent : prosuch principas, and convicion of any such afent vided also that the eon evidence in any action at shall not be received in evinst him, and no ugent law or suit in equity agminst liable to be convicted intrusted as aforesaid shmin respet of any act done by by any evidence in ans time previously to his him, if he shall, at anf thme penc, have disclosed being indicted for such onence, of any comsuch act, on oath, in cons of law or equity in pulsory process of apy court of which shall have any action, sut, or pord by any party aggrieved, been bonâ tide institn disclosed the same in any or if he shall have diselosed the commissioner examinatupt. (Sec. 6.)
of bankrupt

Right of Ouner to redeem \&ec.- Nothing herein Rtained sball prevent such owncr as aforesaid from having the right to relectn such goods any focuments of title pledgred as are been sold, ipon docume before such goods shall have been som, or time before such gomount of the lien thereon, or repayment of the securities in respect of which restoration of exist, and upon payment or satissuction to such agent, if by him required, of any sum of moncy for or in respect of win the same agent would by law be entitled to retai, by way of goods or cocuments, ovner, or to prevent the said lien as against such own of from such person owner from recovering of ods documents may with whom any such goods shall have any such have been pledged, or whe shat have or sum of lien thereon as alo in his hands as the produce of money remaining in biter deducting the amount the sale of such goods, after under such contract or of the lien of such persolways, that in case of the agrement: prony such agent, the owner of the toakkuptey shali have been so redeemed by som goods which shat have of the sum paid by him on owner shall, in respect of the redemption, be held account of such agent for sucht rede of such arent to have paid such sum for the use of goods shall before his bankrupte ownet shall be deemed a not be so redemmed, the the vulue of the goods so creditor of such agent for pledge, and shall, if he pledged at the time of the plederther of such eases shall think tit, be entitled in eithaid, or the value to prove for or set of the sumay be, (Sec. 7.) of such goods, as the case marpation of the Act.

Clause 8 refers to the infore honesty on the part
in order further to like persons, the statute 24 d , Vict. c. 90 enacts that under certain circmsances they shall be guilty of misdemeanor, and stances with peual servitude. When any person punishable wanker, merchant, broker, attorney, intrusted as a with any money or security for its or other agent, with any in writing to apply, pay, payment, with a direction of it, or its proceeds, for or deliver it, or any part of it, or specitied in such any purpose or to any person saith, and contrary direction, in violation direction, converts it to the to the terins of such himself or any person other use and benefit of himself or him. Whenever than the person so intrusting him, ber, attorney, any person intrusted as a bankel, valuable security, or other agent, with any chattel, valuable transier or any powner of attorncy for the sale and transier

anderfand of the saint to whom the ehureh a practice was prohibited, it a pat is granted, it is usual to have a writ of arkel and till the practice was prohibited, it - Dacob's Laur Dictionary, art. 'F'uir.') cerned for the of townsposil and and the opportududuce at the woskly or monthe of all Win them, the utility of monthy murtuteat, has very much diminished; the wast nume of their ancient splenthey nud see a good number might be adenterl, seppassed,
is far otherwise in inland countries te hailitiey for carrying on comnacreial Bo the comparatively circumseribed at the utmost ind inportance that certaing Ilorthe briuging tocerectiods should be duales. This is not oner of commodimans of promoting cominerce, but alsest of ational antipathies, and diffut also to fhe prolucts, arts, and customs a
Histent of Eaglish Fairs.-No fair can rithut of Fint from the Crown -No fair can $\begin{aligned} & \text { that it shall not bed at its come duration of the } \\ & \text { eitied } \\ & \text { time }\end{aligned}$
 inse such grant. And before is to forfeit dong goods after the stipulated time are eithes of holding Fuirs and Nurkets.--Theso ing the filir ormined by the letters patent appoint2 Edw. IIL e market, or by usinge. The statute air shall be cnacts that the duration of the feit dond goods after the stipulated time

The 3 Gew. IV. e. .onacts that at all hare Holl within 10 miles of 'lemple lar, busines, and held withents of all kinds shall cease at 1 urfork In the evenimp, and nor rom anoulty of tha to ciclock in the motning, mistrose, or other person te puid by ally master, matronelit of any hower, havilg the care or mandement of asamer, havilg foom, twoth, standies, temt, caaman, if whop, room, whe myy breach of this than than whatt have been comman two justices of the peace, by the same Aet to ane luriadictionsa, to pul a stite within their respeetive fheli without charter, pre. withing fair which is helil with
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4. Effects of Salas is Fiairs amif Mrarkens.- in loma tide sale male in a tair or openerty of the prenernh, transfers the complete prowever vicion thing sold to the vembos; ko that, how bo, the vell or illegul the title of the vomor except the kimp dee's is goond agninst everyome withill this rulis Wut the sule, in orter to come chay aud at the munt take place on the mirshe flo city of London phare assigned jor the murket. The ciry of the week is suid to be a market shop being a market owe except Sumbay ; every the whikecper protesses be fur such thims froperty of foods miny, to the buyer deal in. The property of transfersed to the buy changed, and chectme in a shop out of ronde whether the shopkeeper be the vernk he trade
 is not a market overt will not be hinding if it as, lint a sale in a with it a presumption of fram, or sesuch as carte, it it take place in in back nd intended ret place; if the sule be covin the buyer know to detrand the renl owner; or if the buye the goods that the vendor is hot the realowner the property for it is very difienlt to transirr the property of horses, even when they are sold in an open market, without the consent of the real owner. [1Ionsf:s.]
i. Court of Pie poudre-To every fanr or marLet thero was incident, even withont any expres words in the grant, a court of pate pours. The stewnal sion to the chusty feet of the sumber. Lagnisance of all or mayor might presile. It hai cognisanarket, requestions as to contracts made in the there \& snecting goods bought and deliverel held at every Wormerly pie poutee courts were now entirely laid consilerable fair, but they ar
asule.
Cherk of the Marhet.-Owners mid governors fairs are to tnke care that eserything be sold aceording to just weights and mensures, and elerk that and other purposes they is to mark and allow of the fair or market, who ing $1 d$. for senling and all such weights \&c.; chargoking a half bushel or marking a bushel, 8 a. for ma a gallon, pottle, quart,
 peek, nad daler penalty of $5 \%$. (2z chate benetit to
pint Tolls.-Being a matter of prod not incident
owners of thirs or markets, and not specially the then, tolls are not exigible undess nay hy a cranted in the patent; but the kinf may gramted anthorise a reasonnble toll to be taken. new gral mranted be excessive, the patent will be If the toll granted be rule, unless changed by a roid. It is a genseraining time out of mind, that contrary custom obtaining hiner brought to a fair or contrall be paid for anything brought and and no toll before the same is sold, and that it shall market beid by the buyer.
then be paid by the buyer.
The owner of a house next fair or market
the ownewed to open his shop during such fair is not allowed to open wing stathaye (toll for having or market without payin that if he ake the benetit a stall); on the gought to pay the duties thereon. of the market, be has been a good deal complained of. This regulation has been and markets are required

The owners of fairs and \& Mary c. 7) to apov statute ( 2 \& 3 lhilip © Naper place to take the puint a person in a special open phat of this person's toll. The most importis entering the horses sold daty has referenec to hmarks, and the names
with 3 distinguishing mall them. [llonses.] of those who hiry and sett them. ©ne who refuses to An action lies ag toll.
pay the customary toll. (For further infurmation as to Britty On Commertial Lau, vol, ii. c. 9. )

2. Princinal Erench Prectied the fairs Whems, Clartres, Roo carnue; bat they are The most important that of Beancaire, Phone, opposite to 'Tara
(is rery favourably kivg. exclusive of the Ition afforled hy the ith the sen and the hich eommenees on th th of July, was form re; anu, though a goc mee onli, but also fro mane onpuin, and the I.e article, whether of then be met with the aumber of visit, to 80,000 , and the $30,000,000$ fr.; but w estimates are very $g$ the first would be $n$ eed to 50,000 or 60,00 re presented on tl.e cornisance of and tes growing out of at the fair. A milit order, and the prefe 3 alrays present, er nnts and strangers. (ott.) 'Beaucaire,' an
Germe
Cerman Fairs,-The
Laropean, fairs, are
ine, Fraakfort-on-th icourse of merchan these fairs, are gener dousty supplied wit ohhs, and hardware o ellery of France; th and and Austria; th Iry products of Gerr talso are to be fou those of Ispahan ne al for the purchase serviaas supplying fact, are met the re
every people in the ithout intending it erest, and to exter
that bind together race,

he percileel the fairs of St, Girmuin's, Lyons Bronuc; but they are much fallenx, 'Troyes, and The most important of much fallen off.
The most important of the modern French fairs 4 that of Beaucaire, on the right bunk of the Thnte opposite to 'Tarascon, 14 miles E. of Nismes. eng, exclusive of the command of an entrepôt, tion aforled by the lommand of internal navifith the sea anit the Camal, connected by camals
 thichommences on the 22nd and finishes on the thof Juls, was formerly tho greatest in Eufeen and though a good deal fullien off, it is still eanced hy a past concourse of people, not from Is, Spain, and the Lrem Switzorlaund, Germany, If, Spain, and the Levaut. Almost every sort thea be met with in the town. It lusury, the aumber of visitors still amo. It is said Mato 80,000 , and the ambount of husin to from bbi,000,000 fr, but we have littlo business dome e estimates are very grently cxile doubt that the frst would be nearer the mark were it red to 50,000 or 60,000 . All bills due were it te presented on tlice 27 th, and protested on Cognisnce of and itumed for the purpose Nespisnnce of and immediately settles all res gruwiug out of transactions that take oder, and the prefect of tho attends to preollayss presemt, entertains the prepartment, ants and strangers. (Geographical principal Wart 'Bcaucaire,' and the authorities thereA tor
German Fairs.-The princinal German, or
European, fairs, afe those of Fine, Frankeart, firs, are those of Frunkfort-onncourse of merthen-Oder, and Leipsic. course of merchauls, and the businicss iously supplied with the gen great. Thes Doths, and hardware of Eugcland con stuffs, ellery of France; the printed ; the silks and and Austria; the praw med cottons of Try products of Germany; manufactured, Furicy carpets; Cachany ; the furs of the theso are to be fould merchants de.; thase of Ispahan negotiating with tholl sal for the purchase of furs, and Geose Serrians supplying of furs, and Geor-
Mancheoter Manchester anil the jewellery of Paris.
fact, are met the reper the erery people th the representatives, as it ithout people in the worling it, world, Incouring, frest, and to extend toud stro each that bind together the great frempthen race,
gin, the tirst at Frnnkfort-on-the-Maine should be-
 ration is limited to 3 to september 8 . Their dutin from 8 to 15 days beforo they nasually licweneement. Accounts are kepore their hergal com1 rixdollar of accounts are kept in rixdollars: or 2 2 4 matzen. The rixdollorin, or 45 copsticks the par of exchang rixdollare $=3 \mathrm{~s} .1$-8,d . so the 100 bs, cummon li rank fort waighen per 11 ; sterling. duneis. The fuot $=11 \cdot 27$ Englisht $=10,1$ iss, avoir. Tho fairs at Frauk fort-oulth inches. number: : viz. Reminisecre, in Felpoder are 3 in St. Margaret, in July; nul Fliruary or Mareh; vember. They uught, and St, Mertin, in Nominato in 8 days, but they The Prussian Government usimally extend to 15 . thoxe who attend these fairs eves every facility to in lrussimn money, that is, iurs. Accounts are kept 100 liss. 'Prussian $=103 \mathrm{lbs}$, that ix ilollars of are kept $=19 \cdot 306$ English inches, 103 lbs a oirdupois. The foot The fuirs of
than those of either Frank still more celebrated Mice a-year-on Januarkfort. They aro hedd Michacimas. Tho tirst that at Easter, and at The Laster and Michaclmas fairs least important. ticularly the former, for mas fairs are fameus, parpuslications usually offered vast number of new attended by al! the principal for sale. They are many; nad by many from the bnoksellers of Gerwho adjust their account the adjoining countries, trade in all parts of the world the state of the form new connections, world, and endeavour to have agents in Leipsic, which German publishers of Germany what London which is to the literature been As many as 5,000 new that of Great Brialso great markets for Sopsic catalogue! They are goods, British gets for Snxon woollens aud are foods, British calicoes, French silke, and other to close in 8 ditions ef produce. The fairs ouct, about 3 wecks.
bill must demand pare allowel. The holder of a duc ; and, if not payment on the day it becomes on that very day, and returs have it protested portunity. If he negleet any of by the first ophe loses all right of recourse upon the regulations, indorsers. Moncy of account upon the drawer and at Frankfort-on-the-Maine. at Leipsic same as (Kclly's dupois. The fout $=1111 \mathrm{lbs}$. Leipsic $=103$ (Kelly's Cambist ; Manuel de Nelkent Engh inches. ring's Report on the Prussian Cenbrecher; Bow-

(pp. 201-223), an interesing inavels in Hungary held at Debreczin and Pong account of the fing $\mathrm{R}_{\mathrm{k}}$. The later has be-
largest part of the commeree between the liusion and Chinese empires is transacted at its sitr, and come the grand centre of llungarian comm 11. Italian Fairs.-Of these, the most celebrated is that of Sinigaglip a small the handsome town of the Japal dommons, om the fair comits conthence woth of July, and shouhd terminate mences oas the sof that month, but it nsmally comon the lan 10 days longer. The duties on goods boworht to the lair are extremely molerate, and "w. y thing is done to promote the convenience of those frefuenting it. All sorts irom amb sten, and silk roods, colonal proden, liqueurs, timber, hardware, jewellery, brampht here by the Bagtish, orrus, apices de, are Figneb, Atsotrims, S vish raw and manufactured honged tor the vand the levant; consisting, products others, of raw, thrown, and wronght silks; iom, fruits, cheese, alum, soda, sumach, sulphur Sc:- Accounts are kept in sendi of 20) soldi: the seudo $=4$ s. $4 d$. very nearly. 190 brecio meatares 733 avortup on. (Manch de Nolkenbrecher; Hacresor's Tarifts: 'Italy', p. 121.)
12. Russith Fars.-These are mumerous, and many of them are well attemed. The most importait is held at N: nit- Norgorod, at $56^{\circ} 19^{\prime} 40^{\prime \prime}$ thenee of: the Oka with tae Wreionsly to 1817 this A.. lous. $40^{0} 28^{\prime} 30^{\prime \prime}$. . comvemient situation, at fair was hell in a wow the Whasa; hat the Diakareff, (ower acommodation of the merchants haidings for the ein beenaceidentally burnt down at the latter having took advanture of the cirin 1816 , Government cumstance to reme within the new bazars concipally cat rien on worpose on the left bank of the Olructed whe which are divided int" paralle! rows Okis. These, wenstructed of stone wells roofed with iron, havint covered galleries in front supported by iron pillars. They are hilt on piles, and, to guard arainst inundations, the grame on which they stand has been raised avor.t 20 fect. leing enclosed on 3 sides by canala, and on the 4 th by a navigable inlet of the okipuent of roods facility for the delivery and sestent, comprising The establishment is of eited on all hands to be at one the ancest and most perfect of its kind that is anywhere to be met with. Bus, inaddition to the above, there are about as many shops and boothe constructed of wood, which July, and convate parties. The fair weeks.

The total value of all sorts of produce brought to the fair in 1852 amounted to ot, rouhles: of this sum, Russi '? produce manean pro$49,97 \cdot 1,000$ roubles; colon and dye stuffs, $2,580,000$ duce, $3,75 \pm, 00$ produce, $6,886,000$ do. ; Persian prodo.; $1,234,000$ do. ; with the produce of Khiva und Bokhara 886,000 do. The sales amonnted tu $05,264,000$ roubles. (Tecgoborski. Forces Productives de la Russie, iii. 281 .) may amoant to population of the town, which satid ts amount abont 25,000 is, during the incuiling Chinese, to from 100,005 to Tartars, Bokharians \&c. Persians, Armeibitions, shows of wild beasts, and Thetrical sports, add to the attractions of the seenc.

Another celebrated liussian fair is held in the month of December, at Kiachta, in Mongolia, on the Chinese frontier, lat. $50^{\circ}$ 21 o N., long. $106^{\circ} 28^{\prime} 15^{\prime \prime} \mathrm{E}$. The town is small, the population

## FATIIOM

risited by M．Blanqui in 1841，and by Mr．Speneer in $1 \times 00$ ．Tho latter says（but statements of this swt are very apt to be exaggerated）that it wa attended by from 80,000 to 100,000 people wh had jouncheyd hithor from all parts of lour won Tirkey for the parpese of disposing of their Whes，ratr cotton，lecehes，and other products of the eombry，and of purchasing in return the manuatures of the West．The show of the ＇atter is very extensive．Sheds are crected in the willate br uovernment，：hich serve as waro the int the acciants，ant every house is conotses me a han for the reception of strangers．Butt far the greater number of the latt er inve by withanding，to encamp with their ce have，not－ di．oa the surrounding plain．Blangsi speats in hith terms of commeadation of the rood urd that prevailed，in the absence of any＇thing like plas ampy the motley population at the thir．
 Tratels in Europcan Turkey，ii， 346 ；de．）
This great fiur，which lasts 15 days（Blanqui）， bed．Whe the other fairs，in autumn，imme－ way and hirvest．Sut thongh it be largely tupated by anan，Swiss，Italian，and Greek en it $i=$ very atic，if at atl，heat amount of busi－ bisis the more surpint，known in England． mows at thrianople and oteing the we have Etaut hem the seat of the fair；and it miery ＂e werlsapposed tha ．these fimetioun it might re been anxicas to sead home the aries woulid tails with respect to sead home the most ample aify decrinur the and other fairs in their et adrant revesly bourht and sold at the be rts，the ruttes by which they might at these Ir rewhed and co forth they might be most where exist，the forth．But if such reports where exist，they have not，at all events， publishel：and hence，probably，the faet of offo of these fars being mostly in the butict．
Eastern Fairs．－The most important fair in cistera world is that held at Mecea during cutr of pligums in the month of Dhalhaija． （1）to be frequented by many thousands ot ，hals of all raaks and orders，brought toge－ win we remutest corlers of the Mohamme－ dedined of late jears，numbers attending it detined of late years，the concourse is still grat．［Curayan．］
drar，in Hindosta＇t，in lat． $29^{\circ} 57^{\prime} \mathrm{N} .$, long． from its being one of the from Delhi，is opidrinage，aad the the principal places of in，which is ine greatest fair in India． Ganges，at the point where is situated issues from the mountains．The pilgered fair are held together at the pilgrim－ and Europengether at the vernal on，who have been repeatedly present on－ masions，estimate that froni 200,000 to angers are then assembled in the town Minity．But every twelfth year is m，000 to $1,500,000$ ，it is supposed that and deal $1,500,000$ ，and even $2,000,000$ ants $n t$ ladia and comgregated together Which happened to be a to the north， auspicious moment be a twelith year， sannounced to the impathing in the assotremendous that pa fient devotees， re either trampled to dea ewer than 430 othe river！The forgigh under foot，or irf for commercial purposers resorting to poses only，consist rith iflyhans，Usbect we Punjab，and numbers of horses，catt：and de．They ambers of horses，catt：e，and camels；

FIGS
Persian drie．l fruits
turas are made in cotton inver，drugs \＆e．：the re spiees，and other tropionplece goods，indirn，sugar chants never mention the productions，The mer－ conduet the barrain the price of their roods，but juints of their tingers，to sothehin the different gaining any information to hinder the byst onders sway，a kind of poll－tion．During the Mahratta levied；but all is now free wites on eattle were molestation of amy sork free，without impost or cautions adopted by the British，also，to the pre－ most peffect order is preseried Government，the prise and satisfactionerved－math to the sur cedent to our oceution of the natives；for，ante insually ended in disumer of the comntry，the fairs iuformation，：md the excellent hoodshed．（1＇rivato ini Ilamilton＇s Gazettcer．） The fairs of Ponalcer．）
once so fimons，are now tera Cruz，and Acapuleo， the Hinvamonh is aldow totally deserted；that of FATHOMI．A ano much fallea off：
used for measuring the lenerth of lh，$G$ feet，chietly depth of water ind mines． FEATHERS，BED－LD．
olumes it lit；Ger，federn bers（Fr．plames， bedveern，phimen；Ital bin，bettiedern；Duteh make a considerable article pitme；Span．plumas） ticularly those of the artiele of commeree；par－ pencock，and other poutrys，gooc，herm，swan， ostrich have other poultry．The feathers of the from antiquity been held in the highest estimation from antiquity downwards，and have turnishon favourite decorations for the and have curnished of ladies，the helmets of warriors and headiresses splendad processions．Many parts，and the most supply feathers ior Many parts of ireat Britain bronght fiom lrelands，and an inferior sort is variety of its chass，is Eider down，the finest Carope；the dueks that supel from the north of ants of Greculand．Iceland，and being inhabit eiluar duek breeds in the island Norway．The Scotland，but not in suflicislands on the west of profitable braneh of tradent numbers to form a Iudson＇s Bay furnishes to the inhabitants． ecially for quills． brought from Dantzic，as down of the swan is of superior feathers． the duty
1866 the following quantitis repealed in 9845 ．In


FIDDLES，or VIOLINS（Ger violinen，gei
gen ；Duteh，vicolen；l＇r．violons；Ital，violini ments，too well known skripizii）．Musical instru； lescription．The finest to need any particular made in Italy；hey are us aned violins are those from the name of the ustally called Cremonas， formerly manufacturel town where they were 100 guineas and more have the highest perfection ： given for a first－rate Cremona violinequently been FIGS（Ger，feiren ；Doma violin．
Ital．tichi；Spau．higos；Let，vygen；Fr．figues； teen）．The fruit of the fir tree（ie carica；Arab． native of Asia but early ing tree（ricus carica）， It flourishes in Turkey，Greece into Europe． Italy，and Northern Africa，Greece，France，Spain， ripens its fruithern Africa，and even sometimes Figs，when iipe，are operl air in this country． ovens to preserve them for most part dried in closely to preserve them，and then packed very closely in the smali chests and baskets in which very import them．The best come from Turk which wo of Kalamata，in the come from Turkey：those most luscions．（Themson＇s Dire said to be the Dried figs form a very Dispensatory．） commerce in Provence，Italy and sibe article of If $122{ }^{-1}$ ，and Sj，ain ；besides

## FISII

FILE
afforling, as in the East. a principal articse or frordenance for the population. In spain, valencia: unstena exported from Andainsia and valenery chictly are more or less abundant in every but they are more northern parts of France thenil. province. fig gardens, particularly atmitted to conare many $1866,76181 \mathrm{cwts}$. higs were admitted in 18.10 onption. The duty, which was reducee 1860 to 7 s. , amounted in sumption, per cwt., and in 18.9 cuts. firs imported in to $15 s .92$. per cwor $95,721 \mathrm{cwts}$ firs imp Turkey, 1866 to 26,6652 . 1866 , no fewer than buplied b: Spain, 24,180 by 12,458 cwts. being 8 by Austria, probably at secon Portural, and 3,037
hand from Turkey. duty is madc on account of no abatement of duty is
any damare reces (Dan. file: Dutch, vylen; Fr.
FILE, FllNS (Dan. Ihe; Duth instrument of limes; (ier. fellen, iron or forged steel, cut in timber, and other hard polish
bodies.
FIR. [l'se.] Under this desirnation are com-FIRE-ARMS. Cnder fowling-pieecs, blunderprised all sorts of guns, fownanfacture of these prised asses, pistols \&c. The mannache chief seat, is weapons, of whicle lirming iname employing at all of considerable imply during war, a large number
times, but especially durig mofacture of small of persons. account of the mamuacture , Manu(For an accoum Dictimary of Arts, fuctures $9 \cdot \mathrm{c}$.)

In consequence of the frequent occurt barrels, ceidents from the bursting of insumerfered, not to the Legislature has most prope but to prevent all cerulate their namufacture barrels that have persons from using or scling bublic prowf-house. not been regularly proved in a ywas passed in 1813; The tirst Act for this purposerseted by a fuller and but it was soon after suo Geo. Il1. c. 59. This more complete one, of 201 . on any person using, statute in the procressive stages of its manufacture, in any or the not duly proved; on any perbouse; any barrel wot any enent through a proor-hose livering the same, ex receiving, for the birpose not and on any person rece burrels which have not making grough a proof-honse. before 2 justices; passed the levied or: conviction before pimilarly levied, on with like penallies, to be sroof-marks. 'Jaking persons counterfeiting the pith the average anthe 10 years ending with 1864 , the England was nual number of barrels proved in 611,1630 .

FIRE-WORKS. By $9 \& 10 \mathrm{Vm}$. 11 . 10 nuiof tire-works were declared a bed lyy 23 \& 24 Vict. sance. Llit this Act was refe shall not be lawful c. 139, which enacts sell, or offer or expose to sale, for any person to sent a license for that purpose any tirework without a pace, as provided by that from the justices of the peace, as. 130, and 25 \& 26 Act and the 24 \& 25 such firework shall be sold Vict. c. 98 ; and no antly under 16 years of age; to any person appareling against this enactment ond any nerson offending foreit any sum not exand any persory offence forfeit any sumn not exshall for 51. And if any person the casting, or fire, or aid or assist in throwt, or other tirework firing, any squib, serpent, rocket, or public place, he in or into any thoroughfare forfuit any sum not shall for every such offence [Guspowber.]
exceding sl. [GuNpore of capacity, equal to 9
VIRKIN. A measurial gallons, or 2,538 cubic
ale gallons, or $7 \frac{2}{2}$ ins and Measunes.]
ale [Weights AND Mer used in scotland.
Inches. FRLOT. dry measure used in somerial
FrRLOL.
The Linlithgu
bushel as 098 to 1 , and the Iinlithgow barley firlot is to the Imperial bus
Wuguts and Miselic; Dutch, vissehen; Dan.
FISII (Ger. ISche poissons; Ital. pesci; Span. and Swed. tisk; peives; Kuss. rüb; Pol, rebi: pescados; Port. pon used in natiral histuryt Lat. pisces). A term of indaliting lenote every variety of ant cannot exish sea ivers aks ponds \&c. that cannot exist lit an consi, commercial point of view, those fishes only are referred to that are caught by man, asd used referred to for or for some other useful parpose. either as food or salmon, cod, pilchard, mackereh, Of these, herring, sster, whale \&e. are amoag the turbot, lobster,

## most important

The supply of fish in the seas round mitasial nost abundant, or rather quite inexbaustole -The coasts of Great Britain. lloroughs ('Soveraignty of the British Seas 1633), 'doe yield such a contimucd sia han of gain and benest that no time or seasoad doc labour in the same, that without some apparent the yeare passeth away enployment, especialy b meanes of py themselves to tishing: which, low the beginning of the year unto the later the continuth upon sone part or ntier upon ox contins and these in such infinite shaales an of tishes are offered to the ham multitudes an mone admiration, not only as may justly mave that daily are enplam strangers, but to 'That this harvest,' sayil amougst them. Johu) Barrow, 'ripe for gathem (afterwards sis of the year-without the live at all scasons of without expense of seed ot maxy of tillage, without ene of rent or taxes-id without the the extroordinary fecuadity $\alpha$ exhaustabluble kinds of fish would aline ${ }^{2}$ most valuable To enumernte the theses abundant proof. Io enumerate are impres and even millions, of cod, the ling, and indeed in the herring. the of the esentent fish, woill 5 almost the whole of the of the prodigious wo but an inadequate idea of the prodigions: tudes in which they toek to in ordet toom shoals themselves just yotion of their jow to the mind any jus of the shoals of be mass. (For an
see IItrining.) But, notwithstanding complaint of a ser has been a greed in the Channe!; ond nuch ash in the renort of the Commolls co of 1833 on the Channel fishacries, of sueh scarcity existiug has beea cum established. The committee ascribermion causes, but prineipal fith by iishing with spawn or brood of mill meshes, near the drag nets with small man; proxia during the breeding season, which sem bibited by several statiedisuse. The ever, to have fale incmen as being gene represented the fishoce oud that the bus very depressed state, and unoutable. II for the most part very unprum do that this is the lact; but we hore period when the sams might idam sainh with quite as much trua, Thenciry marked that from the age provertio wards, fishermen have been and a lith (Wcalth of Nations, p. 4b, reports, plans be filled with the int in this coulutry that have been printe aining requaltion last two centurics, coutaime improvemend suggestions \&c. for the imp not teo mo and nishermen. But it weil-meant

## $\left\lvert\, \begin{aligned} & \text { tha }\end{aligned}\right.$

notwithtamber the (momans expense incurral in tarrying some of then into efleet, has been productive of any material allvantage! and we see no reason to think that the suggestions of the eommittee of 1833, supposing they were to be acted upon, would have had any better success.
The ijury done to the breeding grounds might, perhaps, be obriated; but hesides this, the committee laid much stress on the encroachments of the froneh and other foreign fishermen, and on the license given to import foreign-caught turbot quite visionary to suppose that these circurs to us could have mich intluence. Our tishermen, livius upon the very shores of the bays to which the French are said to resort, have advantages on their i.de sufficieut, surely, to insure them a superiority, without the forcible expulsion, supposing that cold be acconplished, of their foreign competitors. A man who does not succeed in a business reaides 100 miles ofl; must so well as one who bis waat of skill or industry; and the cause in tather to improve himself than to disend seek fival. The proposition for excluding turbot de fifreign eatel .s one that could not be listened of for a monent, Sueh exclusion would not e of the sligitest advantage to the British thermen unless it occasioned a rise in the price eg.slatureinterfere at all in the say thater, it should reforitsolject the lowering, not the raising, of ices. A cuavention for fiving the limits of the giter and other fisheries on the consts of the ris on August 2, 1839. Another convention Srance for regulating these fisheries was fied January 14, 1868.
Royal Commission which reported on the sea erics of the United King enhat coposite views to those of the comly of fish had increased, and not diminished te years, and that beem trawling in the open soot a wastefully destructive mode of fishing; hey recommend that unrestricted freedom of gand selling fish be permitted ro all, whether es or forcigners, We append portions of two vilustrative of the price of tish in Manchester
Vercastle-on-Tyne, showning tho marked in? in that of the latter attributable to the of milhay communication.

All that it is possible (.) to for the fish relieving it from tithes nud other burlery, by facilitating the disposal of the fish in the mork, and of this and other comutries, shouly be done; but except in so far as its interests may be promoted in this way; and perhaps by some new regulations is to bescring the broot, we do not see what moro appointment of inspectors of salterference. Tho thic entorcement of regulations for fisheries, and tion and improvement of this lish undereservaActs from 2.1 \& 25 Viet, c. 109 to 28 \& 29 Viet, 119 and 121, have alreaty done much good. It will be seen, in our articles on the llemingo and Whain Fismentes, that the bounty system was antended with vast expense, withont leading to take are now aulmitted free of of tish, of whatever

The price of tish in the duty.
reduced of late years, is still mery poplis, though as compared with beef. This has high, at least generally believed to be in no small degree pretty to the salesmen of Billingsgate market being able, in great measure, to regulate both the supply of the artic! and its price. The committec of 1833 , aowever, declarer? that though they minutely examined the sutyect, it did not appear that any sisted cither inopoly or injurious regralations subor in the sale of the fish. of supplying the market
The demand for fish in other central towns has been similarly augmented. The quantity of fisll carried by 12 ruilways in 186.1, viz. 122,381 tons, is contrasted in the Sea Fisheries Comtons) conveyed by the same lines in 1862, (00,724 Sir John Barrow, in a valuable article on the fisheries, in the Encyclopadia Britannica, estimated the value of the entire annuul produce of the forcign and domestic fisheries of Great Britain who knows any thin is admittel by every one estimate is very greatly exaggerated. We doubt much whether the entire value of the fisheries can be reckoned so high as $5,500,0001$. In 1866 we imported $1,547,598$ cwts. of tish, valucd at $631,552 l$., of which 113,131 ewts., chietly from Norway and Holland, were itesh, and 393,501 cwts, cured or salted, while we exported fislo in the same year, ehietly herrings, to the value of 811,4711 . [CoD; Hermag; Lonster; Mackerel; Oyster;
thowing the Prices of Fish in the Manchester Fish Market in the 4 Years 1856-7, and 1864-5.
The figures show the Prices in the first week in January.

thouling each of the 4 paid for Fish in the Market an', Town of Neucastlc-upon-Tyne on larket, appointed by the Corporation.)


## FLAX

FLAX (Ger. flaclıs; Dutch, vlasch; F'r. lin;
tnl. and Span. lino; Russ. len, lon; l'ol. len; itnl. and Span. lino; Russ. Len, lon; Pol. len;
Lat. linum). An important phant (Linum usitatissimum) cultivnted from the earliest ages in Great Britain and many other countries; its tibres being mannfuctured into thread, and its seed crushed tor oil. Hut in reneral we have been in the labit of importing a large proportion of our supplies. The preniums given by the Lergislature to force the cultivation of thax had little elfect; the fact being, as Mr. London has stated, that its cuiture is found to be, on the whole, less protitable than that of corn. When allowed to ripen its seed, $i t$ is one of the most severe crops.

Probably, however, the case may be different in Ireland, the soil and climate of which appear to be better suited than those of Britain to the growth of tlas. There, at all events, its cultivation has been rapidly extended within the last 20 vears. This is evineed by the fact that while the land under thax in Ireland in 1847 amounted to only 58,312 acres, it had increased in 1851 to 140,356 acres, to 301,693 acres in 1864, and on an average of the 3 years 1865-1867 it amounted to 256,015 ucres. This extension has been owing, in some measure, to the exertions of a society for promoting the growth of thas, and it remains to be seen whether it be really an advantage.
Russia supplies by far the largest portion of the flax imported into this country, the principal sorts being Petersburg, Narva, Riga, Revel, Pernau, Liebau, Memel, and Oberland, letersburg and Narva flax are nearly of the same quality, the latter being but little inferior to the former. Both soits come to us in bundles of 12, 9, and 6 heads. The Riga flax seems to deserve the preference of any imported from the Baltic. It is the growth of the provin es of Marienburg, Druania, Thiesenhausen, and Lithuania.
The best Marienburg is called simply Marienburg (M), or Marienburg clean; the second quality cut ((1)); and the third, risten drayband (RD): of tho three other provinces, the first quality bears the name of rakitzer - as Druania rahitzer (DR), Thiesenhausen rakitzer (TR), and Lithuania rahitzer (LR). The cut flax of these three provinces is the second quality; and to the third quality belong the badstub and badstub eat (B and BG), the paternoster (PN), and hafs three band (HD). the paternoster (PN), and hafis three band (HD). it is usual to employ agents wholly derm
Badstub and paternoster are the refuse of the ra- this peculiar business.

Account of the Quantities and Values of the Flax and Tow, and Codilla of Flax, Inpmad is United Kingdom in 1866, specifying the Countries from which they uere brought, and be Pua and Values brought from each.

| Whence Imported |  |  | Flax dressed | Value | Flax undressed | Value | $\begin{aligned} & \text { Piator } \\ & \text { Codifils } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Russia | - - |  | ${ }_{26,105}^{\text {c/is. }}$ | $\underset{92,124}{\boldsymbol{e}}$ | $\underset{\text { cwis. }}{\text { cwit }}$ |  | ${ }_{20}^{\text {cris }}$ |
| 1'russla - | - - | - | 2,235 | 8,119 | 48,381 | 131, 1,93 | 3,413 |
| llamburg | - : | - | 1.491 | 5,487 6.314 |  | 23,400 | 6,98 |
| Belkiu.in | - | $:$ | 4,209 | 19,995 | $10 \mathrm{~S}, 8.3$ | 23,490 435,292 | 35,314 |
| France - | - | - | -87 |  | 14,091 | 59,364 | 3; 3 |
| Olher Parts | - - | - | 87 | 313 | 3,951 | 10,166 | 1,131 |
| Tctal | - - - | - | 35,467 | 132,173 | 1,242,022 | 3,362,250 | 27\%, 19. |

In 1866 the price of dressed flax varied from 41. I5s. to 3 l . 10 s .7 d ., that of undressed from 4l. to $2 l .13 \mathrm{~s}$. The Russian being $2 l .15 \mathrm{~s} .4 d_{\text {, }}$, that of codilla and tow was from $2 l, 12 s .3 d$. to 2l. 9s. 7 d .

The duty on flax, which previously to 18.55 was only $1 d$. per cwt., was repealed in the course of that year. For an account of the exports of flax and hemp from Russia, see Petersburg.
kitzer flax, and the three band agaia the mive Tho lievel and I'ernau consist of yortinary

Charges at Petersburg on 12 IIcad Flar, Duty, Citea 16 hobbins=63 poods $=1$ loce. Duty, 54 cop. per bercovitz : Additional duty, 10 per eent. :

Custom-house charger, 4 ree cent. Hecelving and weighing, 40 cop, per boibin Recelving and weighing, 40 cop,
Bracking, 1 roub. per bercovitz linuting, 75 cop. per Mats
Broke
Brokerage, 60 cop . per ion: cut, risten, hafs three band, and three bond Liebau and Slemel growths are distingai. the denomination of four and three band. Th two sorts, as well as the Oberland tlax, come frit Königsberg, Elbing \&c., and are little csteemetil the British markets.
Flanders or Dutch flax is wrell dressed, and the finest quality.
Flax is extensively cultivated in Eypyt. late years, some of the Italian ports, which nuw to be supplied irom Russia, hive beea fulise of plicd on lower terms from Alexantria.
The Phormium tenax, or New Zealand das been said to exceed every other species in streny of fibre and whiteness; qualities which, if it nall possess them in the degree stated, must mas: peenliarly well litted for being made into can and cordage. In point of fact, however, there is great diversity of opinion as to its real merits, it fetches at present (1868) but a low price. 1831 and 1832 the imports of New Zealand ip amounted respectively to 15,725 and 55 cwts. ; but they fell off in 1835 to $\bar{i} 81 \mathrm{l}^{\circ}$ a and since then only tritling quantities hate tea imported. It is alleged that this is a wor quence of the imperfect preparation of the tio which has hitherto been entirely intrusted to native women; but without presuming to whether the defects with which it is be inherent in the flax itself, or depend preparation, it is abundantly certain that, less it be furnished of a superior qualitr, it not suit our markets.
When flax is brought to the pincinal Pex ports whence it is slipped, it is classitied acor to its qualities, anal made up in bundles brom inspectors (braekers) appointed by Governem the assortment of that and all other merchen These functionaries are said to perform then with Jaudable impartiality and exactos ticket is attached to every bundle of assortel containing the names of the iaspector and in the sort of flax, and the period whea it mase or inspected. [HEMr.] Good tiax shoult a fine bright colour, well separated foot codilla, or coarser portion of the plant; $s$ long, fine, and strong fibre. In purchaing this peculiar business.

Fised charges at $P$ Tee:ther charres sa wealled the came as
the
ante; which tmak o monnt. The ther ther cie larger namber of 50

Trel charres, per ton Wher chargss, trde suIF
FLAK-SFED 0 eiin: Ger, leinsa cme; Span. linaza niane; Pass. semja , which it rields ated cither that $i$
wit of the Quanti
tmatimand
the price of thess as od to $31.9 s_{1} 9 d$. be duty of $1 d$.

COTSMI, JETSAM vantiture a legal wre wid. If they contin westhem by the fore ${ }^{3}$ appeliations: $A_{1}$ nues srimning on t fistr; and hen the are str; and hagan is boork ic or binoy to ginto Great Britai more are to pay the ted drarbacks as s
$\mathrm{OLP}_{1}$ (Ger.
fr. tleur de me
The meal of farit
The meal of whea
satcd firste are th
is the pursest. [cic
on
Traty ports is port
firataty ports, is the
4. 1190 and is sis situated
that $0^{\prime \prime} E$. T
sis that known as
bince is mountainou

## FLAX-SEED

29 bohtilntad rlax.

Wealld the same as on 12 head also, the the chargers of haphert may We rave; which muks the insurance, discount, and bring only on celargur number of bobbins to the con. $61 l^{2}$ ad Flar 47 boblins $=6.3$ head Flax.
Find charkes, fer ton
FLAX-SEED or LINSEED (Fr. lin, graine Ger. leinsaat ; Dutch, lynzaar ; that teme: Sana, linaza; Port, linhaca; Polish, siem hiane; Russ, semja lenjanoe; Lat. lini sement, the seed of flax. It contains a great deal of fil, rhich it yields by expression; and is coltiated ether that it may be used in sowing,


The price of these secds varied in 1866 from iabd. to $32.98,9 d$, per quarter. duty of $1 d$. per quarter formerly imLOTSAII, JETSAM, and LAGAN mostitute a legal wreck the Goan. In order Ind. If they continue at sea, the law clistin bes them by the foregoing uncouth aut banos appellations: flotsame is when the bar appellations: flotsam is when the goods is smimaing on the surface of the waves; aster; and lagan is whak under the surface of
aney are sumk, but wa eoth or buoy to be found again. (IBlack took i. c. 8.) Foreign liquors, brought or into Gent Britain or Ireland ns dereliet, mben are to pay the same dutics and receive ted. drarbacks as similar liquors regularly
ORR (Ger, feines mehl, semmelmehl; Dutch The teur de farine; Ital. fiore; Sutch, The meal of wheat corn, finely ground linated firsts, seconds, and thires of flour, tis the purest. [Cons Laws Lhen of which 8] purest. [Comn Laws and Conn Treaty ports port, one of the prineipal tieaty ports, is the capital of the province 8. $1190^{\circ} 25^{\prime} 0^{\prime \prime} \mathrm{E}$. The in lat. $26^{\circ} 02^{\prime} 24^{\prime \prime}$ iN x is that known as the Fon the cast of the orinec is mountainous, Formosa Channel. aterior by the two great rivers, the access

- hou nos $_{0} p$
ending with 1867 . The United Kingdom in each of the 8 Years


## HOOCHOW

As the quality of the erop depends much on the sed enploved, a grood deal of care is repu on the selecting the best. Generall. care is requisite in be ehosen of a brisht, browny speaking, it shomh teel, heary, and quite brownisll colour, oily to the highest estimation for . Dutch seed is in the sooser thnu ation for sowing: it not only ripens sooser than any other that is imported, but wro
duces larrer crops and suits our prinerops, and of the quality that proproduce principal manufictio as from line tlax, bat the produce is not in seed times used instead of british flax-sced is somecrop misriving ind of Duteh; but the risk of theonly who are ignornat of greater, 'that those Who are compelled from of the consequenees, or With this act of ill-juom ned parsime, are chargeable Eneyclopedia of Ayriculture) Parsimony.' (Loudon's principally imported from the.) Crushing seed is able quantitics are also brought from but consider-
Italy. Italy.

Account of the Quantities rand Talars
Linsced Imported into the Talues of Flar and 1866, specifying the Countries fite Kingdom in u'ere chiefly brought, and the from which they Values brought from caeh.

the United Ki.

Whieh drains the Bohea recrion, and the
The advantages of the port as a place the Fu-kien. black teas could be most convenien from whieh were recognised as early as 1830 ently slipped included amoner the four as 1830, and it was of Nankin in 18.2 . It open ports of tho Treaty mouth of the Min, It lies 34 miles from the mated at 600,000 , and its popuiation is estimiled at 600,000 , the walls being more than 8 The circait,
The navigation of the estuary of the Min is being the promingent dans. the guide to the transit Peak. At about 8 miles themealled Sharp Island stream contracts to a miles from tine month then a mile in widt to a ehannel not more than the fuan. Above these passes of Kin-pai and Mintoreign vessels at Lo-singes is the anchorage for goda Island. Vessels are Island, enlled also Pnport after they liave are held to have entered the ment and discharge of earged Kin-pai, and the shipIsland, Kıshan. and the river take place at Iagoda and Tien-how Island. The river between the bridge above Pagoda Island, about shallowness of the river chow, precludes than, about 10 miles trom For eraft. There is also assage of any but very light in 1841 , with a view an artificial bar, construeted Iritish ships of war to the city Foochow is 185 millie city
Swatow, and 510 from H from Anoy, 335 from cations by steamer are mong-kong, and communiports. It is distant 410 maintained between these The local veights are different from Shanghai. ployed elsewhere. being one third from those ent

## FOOT

016
Foxdow eatty is nearly equal to the lb, avoirtuFoish, The payments are reckoned in Sycee, ent pois. dollars being 1 cilots conduct vessels from the can 12 per cent. 1 , from White Doys to sharp monk per foot of draughit, and 1.50 dols. thence ceak per foot of uraug, There is a dock at the to Pagoda anelhorage. long, 95 broad, and 22 latter spot, 300 feet long', 931 broar pergistered deep. Rates, 1 Mexican dollar por succeeting ton for first three days, 16 cents managed by days. Th
Europeans. Foochow are of tea, of whiel
The ehief exports of Foocliow exported in 1866, 17,833.5:577 dots. in value were exported quantities 19,717,882 dols. in value in 180 ,
exported in the following periods , 6 hame minn


Two thirds of this guantity reaehed the United Kinglom, the renaalities are Congou, Souehong, States $\$ c$. The qualities are Cong Another imand to the United States Oomber.
portant article of exportions, with the exception of
The Customs regulanits of the port, are the same those declaring the himithe anthorities for the foreas those of Anuy, and the a have been consulted foing statemenc
for that artielc.
FOOT. A measure of Mgesumss.]
 FORELGN-GOING SHIPS.

## risg.

ORESTALLING. The buying or contraeting Cor ary cattle, provision, or merchandise on ts way to the market, or dissuading persons from baise the their goods there, or persuading four with intent price, or spreading any false rumarticle. In the to enhance the value of any arrice. statntes remoter periods of our history several stateres were passel prohibiting forestan views upon suech penalties ; but as more therail, their inpolicy became subjects began to prevail, their impontly repealed obvious, and they were consequent iv repeale. in 1772. (Weal
[GRANKINCENSE. [Rosin.]CE. [Bank-
FRALDULENT PREFBRENCE. TCY.]
Gurtcy ; INsoLvency And ban the merchant or
FREIGIIT. The sum par or part of a ship, for
other person liring a or part during a specitied the use of such ship or pane
voyage or for a sleceitied commonly fixed by the
The freight is most commony or bill of lading charterparty [Cisarterpain the absence of any [Bill of Lading]; but subject, it would be due formal stipulations on to or usage of trade.
according to the custom or usarte, if the stipulated In the case of a chum for an entire slip, or an payment be a gross sum for the whole voyage, the entire part of a ship, for although the merchant gross sum will be payable ship; and if a certain has not fully laden the sinp; aud other portion sum be stipulated for every ton, or or ayage, the of the ship's capacity, for the whole vayber of tons payment must be aecording to thale of containing, \&c. which the ship is proved eapaby actually put on without regard to the quantithe other hand, if board by the merchant. On the opay a certain the merchant have balo of goods, the payment sum per cask of ecorling to the nummust be, in the first poestinped and delivered; ber of casks and bales soyenanted to furuish a and if he have rurther covenamer of casks or complete, and failed to do so, he must make good
ho loss which the owners have sust.iucd hy hit ailure.

If an entire ship be hired, and the burden there. If an entiresinp the charterparty, and the mpp of be expressed in th to pay a certain sum for every chant binil lime which ho shall lade on board, but ton sc. of groods whelf to furnish a comulete lading. loes not bind himsell to furniand pirment for tho the owners can only dema shipped. But if the quantity of goods actuany merchant agree to described as of less burlen thongh the ship is the merchant must loal a iull than she really is, the real burden of the ship, and cargo, aceorling to for freight according to what he wilt to be loaded.

The delivery of grools at tha place of destinaion is in general necessary to entitle the ownet to freight; but with respect to living anmals oo freight; bun cattle, which may frequeatly die whether men or cave without any fault or negleet nf during the volonging to the ship, it is ruled that the persons belong expe arreement whether the freight is to be paid for the lading or for the reight is them, frelght shall be paid as will transporting then, for living: if the artcement he for the dean as for the lading, then death certaidy to pay freight for owners of the freirht: bit cannot deprive the be to pay freight for transif the agreement be to freight is due for those porting them, then 110 freight in as to them the that die on the voyage, because as (hese listinctions contract is not performe civil law, and have betn have been mate modern systems of maritime lan. adopted into the modernently contracted tobepia

Freitht is most frequenge, or by the montho either by the whole voyage, or by the montho other time. In the former case the owness tait upon themselves the latter the risk of the long or short: but in the merchant; and if of tine duration falls upon the mencent ol the compatation be tixed forthe from the day on which the thin it. will begin from commences he: voyate, ant breaks ground and cone whole course of the wo will continne during the and during all unavolable delays not oris. age, and diring all unavot of the ouners or madn,
sioned by the act or neglect of sioned by the act or neglect of the ouners as nasa, or by such eircumstancticular period Thus th of the contract for a particur period. has freight will be payable for the time considedit on neeessary repairs durino was insulficient at theornot appear that the ship was insumeien delay io set, or that

In the absence of an express contract to theors. In the entire freight is not earned untilt: trary, the eno be ready for delivery, or has ken whole cargo be realy for according to the ontrut delivered to the conce.
If a consignee receive foods ia pursumad d he usual bill of Iading, by which it is expraxd the the is to pay the freight, he, by such main thrit he is to yay debtor for the freight, and wi? makes himsen . but a person who is oaly $n$ be sued for it; agent for the consingor, in that character, do the master to be acting in ly answerable ho twe not make himself persollally ans although be in freight by receiving the goods, although be wh enters them in his own name
House.
In some cases freight is to be paid, ar nthere equivalent recompense made to the otreth although the goods have not been delirecedul place of destination, and though the coand That conveyance be not stro rerbard for the it part of the cargo be thrown ovem the revitic cessary preservation of the ship sumards rach th of the goods, and the ship afterwatd antis to place of destination, the value of this part it 10
answered to tl age, and the $v$ to the owner. necessity to se repairs, the ow price which the plate of desti to charge the would have be thither.

When grools the merchant is vided the lete fault or beglect course he is not the accept the for from the amon cther hand, if th arisciple of de molity itself, wl in the confineme the perils of the chant must bear he master and their contract co against such an the freight of regulated by th of deliyery rostance less tha the slipmert ; ar oecasioned br the the orut contract
Different opinic Valin, Pothier, an maritime law, wit? allowing the merc reight in the ev This question bas this country. Tenterden, 'inten doubtful, is the rig at the port of practice, I have be never claimed in
ping, part iii. c. 7.)
Freight being the arce of goods or pas petion, no claim ari
of total loss; and
eld, that 'in case
te merchant may abandon.' (Abb bide by it.
It often
It often happens $t$ party to sail from
eck to the first-as
ghom, and from I certain sum to bel riod of the durstio Eta contract if it the ship ssil in ree the goods of $t$ board to be broug losin her return ht, although the [the roysge to ] homerrard voyages for the proportion ard vopage. 'I of this sort, 'ther od the ship be ca ge, to freight is the whole proh ment the parties
anasered to the merchant by way of general averand the value of the freight thereof allowed age, the owner. So, if the master be compelled by to the own to sell n part of the cargo for victuals or uecessity to sellers must pay to the merehant the repairs, the owners mheds would have fetehed at the price which the goods wond therefore are allowed phice of destination, and with tho money that to charge the merchant whey had been coineyed to charke have been due if they had been conveyed
would hat thither.
When toods are deteriorated during a voyage, the merchant is entitlel to a compensation, proviled the detcrioration has proceeded from the fout or neglect of the master or mariners ; and of aut or he is not answerable for the freight, unless ourse he is no aoods, except by way of deduetion he acept the goods, exe compensation. On the rom the an if the deterioration has proceeded from ther hand, if dear maturaly inherent in the com3 rinciple of decay mer active in erery situation, or molity itself, whether active ines of a ship, or from in the conninement or the act of God, the merthe perils must bear the loss and pay the freight ; for han mer oud owners are in no fault, nor does m theit coutract eontaint. In onr West India trade, against such an sugar and molasses is nsually the freight by the weight of the easks at, the regulated pitance less than the weight at the time of the shipmert; and, therefore, the loss of freight ocasioned by the leakage necessarily falls upon the owners of the ship by tie nature of the contract.
Different opinions have been entertained by Valin, Pohier, and other great authorities as to maritime law, with respect to the expediency of allowing the merchant to abandon his goods for freight in the event of their being damaged. This question has not been judicially decided in this country. 'The only point,' snys Lord Tenterien, 'intended to be proposed by me as doubtul, is the right to abandon for freight alone at the port of destination: and in point of practice, 1 have been informed that this right is bever claimed in this country:' (Law of Ship-
ping, psrt iii. c. 7.)
Freight being the return made for the conveyanee of goods or passengers to a particular destimation, no claim arises for its payment in the event of a total loss; and it is laid down by Lord Mans3eld, that 'in case of a total loss with salvage, the merchant may either take the part saved Fs abandon.' (Abbett, part iii. c. 7.) But nfter merclant has made his election, he must bide by it.
It ofted happens that a ship is hired by a chareparty to sail fromeae port to another, and thence ch to the first-as, for example, from London to egborm, and from Leghorn back to London-at certain sum to be paid for every month or other riod of the duration of the employment. Upon cha coatrach, if the whole be one entire voyuge, dit the ship sail in safety to Leghorn, and there virer the goods of the merchant and take others board to be brought to London, but happen to los in her return thither, nothing is due for ght, although the merchant has had the beneof the vovage to Leghorn; but, if the outurard homerard voyages be distinct, freight will be Sor the proportion of the time employed in the rard voyagc. 'If,' said Lord Manstich, in a of this sort, 'there be one entire voyage out and nd the ship be cast away on the homeward tge, no freight is due; no wages sre due, bethe whole prolit is lost; and by express ment the parties may make the outward and
homeward voyage one. Nothing is more common than two voyages: uherever there are two voyages and one is performed, und the shlp is lost on the homeward voyage, freight is due for the first.' (K. I3. Trin. Term, 16 Geo. III.)

It frequently lappens that the master or owner fails to complete his contract, either by not delivering the whole goods to the coisignee or owner, or by delivering them at a place short of their original destinntion: in these cases if the owner or consignee of the goods derive any benefit from their conveyance, he is linble to the payment of freight necording to the proportion of the voyage performed, or pro rata itineris peracti: and though contracts of thls nature ho frequently entire and indivisible, and the master or owner of the ship cannot, from their nuture, sue thereon, and recorer a ratenble freight, or pro ratá ilineris, yet he may to so upon a fresh implied contract, for as much as he deserves to have, unless there be an express clause in the original charterparty or contract to the zontrary. A fresh implied contract is inferred from the owner's or consignee's acceptance of the goods. Many difficulties have, indeed, arisen in deciding ns to what shall amount to an acceptance: it is not, however, necessary actually to receive the goods; acceptance may be made by the express or implied directions, and with the consent, of the owner or consignee of the goods, but not otherwise.
It sometimes happens that the owner of the ship, who is originally entitled to the freight, sells or otherwise disposes of his interest in the ship: where a chartered ship is sold before the voyage, the vendec, and not the vendor or party to whom be afterwards assigns the charterparty, is entitled to the freight. But where a ship has been sold during the voyage, the owner, with whom a covenant to pay freight has been made, is entitled to the freight, and not the vendee. A mortgagee who does not take possession is not entitled to the freight.
The time and manner of paying freight are frequently regulated by express stipulations in $n$ eharterparty, or other written contract; and when that is the case. they must be respected : but if there be no express stipulation contrary to or inconsistent with the right of lien, the goods remain as a security till the freight is paid; for the master is not bound to deliver thens, or any part of them, without payment of the freight and other eharges in respect thereof. But the master cannot detain the cargo on board the vessel till these payments be made, as the merchant would, in that case, have no opportunity of examining the condition of the goods. In England, the practice is, when the master is doubtful of payment, to send such goods as are not required to be landed at any particular wharf, to a public wharf, ordering the whartinger not to part with them till the freight and other charges are paid. No right of lien for freight can exist unless the freight be carned: if the freighter or a stranger prevent the freight from becoming due, the ship owner or master's remedy is by action of damages.
(For further information and details with respect to this subject, see the art. Chantrenranty in this Dictionary; Abbott (Lord Tenterden) On the Law of Shipping, part iii. c. 7; Chitty's Commercial Law, vol. iii. c. 9; Smith's Mercantile Laur, 7th ed. p. 205: Molloy de Jure Maritimo, book ii. c. 4 ; \&c.)
FRUI'T (Ger. obst, frichte; Dutch, ooft; Fr. fruit; Ital. frutta, frutte; Span. fruta; Russ. owoschtsch; Lat. fructum). This appellation is bestowed by commercial men upon those species

## FUNDS

fULLERS' EARTII fruit, such as oranges, lemons, almonds, raisins, currants, apples sce., whin countries. mportntion from foreigh countries. (ier, walkercrle; Duteh,
UULLERS BAR vollarde; Fr. terre a coman; lioss. schilfermaia; gatori; Span, tierra de batan, species of clay, of a gator, terrn fullomm), A speceles ond oil green, lat. terrn white, greenish grey, rivor. It is usually greenish whe, and sometimes spotied colour. It is ased by blue, and sometine, nery soft, feels greasy. opaque, very sof, and out of cloth before the sure sey fullers to take grease out of at ligegate in surfey. the soap. The hest is foumd at kroperty on woollen The roap. The remarks on the alumina, which not mucls more cloth depeluds on the whole, but not muchs. The least one finh of lest it become too tenacied, though than one fourth, lest has greatly declined, thounce use of fullers' enrth 12,000 tons of the substance use of at present nbout 12,000 to. Maleolm, in his even ammally raised at Relgate. 1809 , says that he Survey of Surrey, published in 180 , took considerable pains in endeavouring the that he tain the consumption of fi300 tons a-year for the found it to be about about 4,000 tons were entire kingdom, of
furnished FUN (PuBLic). The name give
blic funded delt due by Government. order to pubtic fundectice of horrowing money in order to
fray a part of the war expenditure III. In the difray country, in the reign of Winstomary to borrow tbis country, practico it was customan ortion of a infancy of thecurity of some tax, , parging the upon the secur as a fund for discharged. This tax, set apnrinterest of the sum borrowed effected. principal and interswever, very rarely ene loans discharge was, howev still continuing, the toans The public exigene, either continued, or At length were, in most mortgaged for fresh ones. period, or, as were again of borrowing for a fixed period, oftes, it is commonly termed, uponded, and most loans was almost entircly abrndone annuitics, or until were made upon interminable convenient for Governsuch time as off the principal.
ment to pay off the prich funding system, the
In the beginning of the or funds appropriated term fund meant the taxes or farinal and interest of to the discharge of the Govenment securitics, and loans; those who held, selling, of conrse, a corresold them to othen, some fund. But after the sponding clain upon some fand the practice of delt began to grow large, and thities had been horrowing upon interminable attached to the term introduced, the meanigy and instead of sigfund was gradually upon which lonns were adnifying the security upon time significa the prinnifying, it has for a long time
cipal of the loans themselves.
Owing partly, perhaps, to but far more to the posnble capital at the time, but Revolutionary espupposed insecurity of the Revaid by Governsupposed tablishment, early part of the fund the country ment in tho eatively high; but as the coumblic was comparative and the conlidence was increased, became richerlity of Government was asures for in thice stabse enabled to take measures ministers
reducing the interest, first in 1716, 1749.

During the reigns of William 1II. and Anne; Durne stipulated for loans was very varons, the intercst stipn of George II. a difficrent practice but in the reg. Instead of varying the intercst was adopted. Iocording to the state of the mas upon the loan accome, the rate of and a half per market at the time, the or three and a half per generally fixed at the nessary variation being made in the cent.; the necessary variation suppose Government principal funded.

sulbject, see tho 3rd edition of the Treatise on Truxution anl the F'unding Syntem, by the author of this work, pp. 460-170.)
'Ihat this improvident system should have been so extessively acted on by our thance ministers during the Aincrican and french wars is the more surpising, seeing that experience had alreaty demonstrated the advantages of funding limited capitale at a comparatively high rate of interest. Aldoughl during the reigns of William III, and Ame loans were mostly contracted at a very high rate of interest, no attempt was made to disguise this fact by assigniug to the parties large amomats of stoek bearing a lew rate of interest. 'The stock created was the exact amonint of the loans, the interest on it being increased according to the supposed insecurity of the Government, the scarcity of thoating cspital \&e. Now, mark the consequences of this. So early as 1716 Sir Robert Walpole, uvailing himself of the greater facility with which money was procured after the Treaty of Utrecht, and of the greater stability of the Government, was able, by offering te pay off the creditors, to reduce the charge on acconut on the debt tims created from $1,590,6021$. to $1,274,146 l$, being a saving of

324, 15662 ., of about one tifth of the entire charep. In 1727 a further saving of about 340,0061, a year was effected by reducing the binterest on the greater portion of the clebt from 5 to 4 per cent. and in 1749 , during the adminiatration of l'elham, the interest was again reduced from it tu 3 per cent.-a measure which producel a fresn saving of 565,000l, a-y ear.

Ilappily the practice of fubding in a 5 per cent. stock was not entirely abmadoned charing the late war. In 18:2 the total Iritish and Irixh sper cent. stuck amounted tos about $150,010,10 \% 1$; and by offering to pay it off; a redaction of internes was then clliected to the extent of about 1,200, , 1 , +1 . a-year. And since that period further savin:s have been effected by the reduction of the interest on the 4 and $4 \frac{1}{\text { fer cent. stock. Hut, unfortu- }}$ nately, by far the greatest proportion of the dedt created during the late war, and that with the American colonies, was funded in the a per cents; nad, as already stated, the charge on that purtion has in conseduence been hitherto, and will, most probably, contione to be, for an indeliuite pretion, unsusceptible of diminution.
We subjoin
11.-A Return shouring the Results of the Operations undertaken in 1822, $1821,1825,1830$, 1834, and 184., for Retucing the Charge on account of the Vational Debt, and the Terme upon which surh Reduction was made; also showing the Annual Interest on the F'unded Debt saved thereby.

| Sear |  | Five per cent. (Navy) A nnulties, capital A mouthe of Disetents paid ofl <br> Honus of 5I. per cent, allowed to thowe who at: setticd | Gross Capitals | Annual | Annual In. hictat sem |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 182\% | 5 per cents. reduees to 4 <br>  per zents., per 3 Gico.iv. c. 9 |  |  | $\varepsilon$ | 6 |
|  |  |  | $149,674,967$ $7,481,3.5$ | 7,181,93 |  |
|  |  | Capital tu. yet cent. | 157,109,817 | 6,241,364 |  |
|  |  | Ilank of Ireland Debt, at 3 per cenl. : Same Caplal, at + per cent. | $\begin{aligned} & 1,1,3,9,46 \\ & 3,13,916 \end{aligned}$ | 57,93 46,153 | , |
| $1821\{$ | Old 4 per cencs. reducel <br>  (eo.lv. $\mathrm{C}, 1 \mathrm{l}$ | Foor per cent, Amnulties No t.antai, at on per remt., Ineluding Non ansents, rested in the Comulussioners for the lieducton of the National Debt, per 3 Gieo. IV: c. 45 | $76,218,180$ $76,218,180$ | 3,049,977 2,669,6*3 | 11,3n |
|  | or prer cents.: inis. <br>  <br> per cents., 37 Geo. IIi. <br> c. 10 - | Capisal at st puer cent <br> Deduct Disents paid off: <br> Capltal at 3 per cent. <br> 4 per cent. Annuities, formerly Nary ${ }^{\boldsymbol{t}}$ pernts. Amount of Dissents pald off | $\begin{array}{r} 1,013,668 \\ 41,011 \\ \hline \end{array}$ |  |  |
|  |  |  | $\begin{array}{r} 972,6,57 \\ 1,296,476 \end{array}$ | 48,672 <br> 38,906 |  |
| 1830 | 4 per centa. exchanged for 1101, of 3. jer cents., or 11 Geo. 1 V . c . 13 |  | $\begin{array}{r} 15,5,671,091 \\ 2,880,315 \\ \hline \end{array}$ |  |  |
|  |  |  | 130,790,775 | 6,031,601 |  |
|  |  | Which was rachanged for $150,119,6091$., 36, 108. <br>  | Interest : $\begin{array}{r} 0,8,3,246 i \\ 43,661 \end{array}$ |  |  |
|  |  |  |  | 5,27, 7 ,65 | \%3s. |
| $1631\{$ | 4 per cents. 1826 reduced <br>  pertas 3 Wm.iv.c. $3 I$ | Sper reni. Annuities crealed In 1826 . Canluat Same Capptal, at 3 . Wi.t. per cent., Includink for the Reluction of tite National Debt on ac. count of the Fund for Banks for Savinge | $10,672,911$ $10,627,911$ | 121,916 371,891 |  |
| 1801 | Bank of Ireland Debta, at ${ }_{5} 5$ and 4 per cent., re- <br>  and Warrant of Trea aury, January 30, 1861 | Debt at 5 per rent. | $\begin{aligned} & 1,015,581 \\ & 1,615,381 \end{aligned}$ | $\begin{aligned} & 30,69 \\ & 6,61,61 \\ & \hline \end{aligned}$ |  |
|  |  | Same Capltal at 31 per cent. | $2,660,768$ $8,630,768$ | 119,316 |  |
| 1841 | 51 per cents. redured at par to 3 , per cents, until Prum that period in be reduced to 3 . per cents. and not liable to fartiner reduction ${ }^{\text {untll }}$ ancerOctober 10, $1 \mathrm{N74}$, per 7 Vict. c, 8 and 5 | New 31. 1na, per cent. A nnuilics Reduced 3. Wh. yer cexit. Annulties 5. 311s. per cent. Sinnuitie; $151 /$ <br> OId 3I. Va. per cents, and bebentures <br> Amount of Disents and Non-assenta pold off <br> Same capltal at 3 . 5r, per cent. |  |  |  |
|  |  |  | $\begin{array}{r} 8,860,663 \\ 103,532 \\ \hline \end{array}$ |  |  |
|  |  |  | $\begin{array}{r} 211,737,311 \\ 418,777,311 \\ \hline \end{array}$ | $\begin{aligned} & 8,906,505 \\ & 8,081,612 \\ & \hline \end{aligned}$ | 51.58 |
|  |  |  |  |  | 20120 |

Thie fullowing account（No，IIt．）exhibits the prypresnif the national debs of tirent
the Revolution to the present time
III．－Itcount of the Princinal and denuthl Charge uf the l＇ublic Debt at different l＇eriods since the Tervintion．＂

V．－Amount of the Infunderd Debt in Frrchequer Hills and lBonds，and of the Anvual Charye therron，in the folloring lears，viz．：－

| Yearombina bis． 5 and Alarch 31 | A noount of tin liequer Jhilla de． | Cliarge of linte est per Annuin |
| :---: | :---: | :---: |
| 18.30 | $25,44,4,30$ |  |
| 1\％31 | 27， 2711 ，w，w1 | 726，165 |
| 18.18 | 27．133， 1.39 |  |
| 18.3 | 47， 3 ； 8 ， $10 \times 9$ | 377730 |
| 1831 |  | 723．3178 |
| 19．3\％ | 28，591，54\％ | Q．76， 117 |
| 14.36 | ＊N， 9 ［6， 6 （c） 1 | exp． 711 |
| 18.37 | \＄ti， $976,(1) \times$ ） | 698.1095 |
| 19.38 | y 4 ， $141,3.16$ | 81，3107 |
| 1919 | 24， $1866,10,91$ | 611，370 |
| 1810 |  | 7x4，717 |
| 1811 | $21.976,3$ S01 | S39，1314 |
| ${ }^{\text {in } 12}$ | 18，34．3，\％ 63 | 797，1116 |
| 1843 | 18， 188.163 | c－1，6011 |
| 3811 | $18.4107 \times 3117$ | bll， 0 bl |
| 1813 | 88．419，548 | 462.363 |
| $1 \times 16$ | 18， $3 \times 11,200$ | 414.6 .51 |
| 1817 | ［8，310，760 | 419,393 |
| 1814 | 17，916， 914 | 4.18 .318 |
| 1811 | 17．786，7119 | 717391 |
| 18.50 | 17，756，7119 | 803.176 |
| 18：1 | 17．7．56， 71010 | \＄108， 390 |
| 3 ${ }^{\prime \prime \prime}$ | 17，714．810 | 1113，176 |
| 18.53 | 17，748， 5181 |  |
| ${ }_{16.5}^{18.5}$ | 10，0： $21 .(16)$ | 199，123 |
| － $\operatorname{lix}_{1 \times 56}$ |  |  |
| 1x．17 | y7， $189,0 \mathrm{Ma}$ | 1，010，6，6］1） |
| 1818 | 2．5，011 51011 | $9 \times 1,513$ |
| 118.9 | $1 x^{2} 277400$ | H64．193 |
| 1 mio |  | 431．429 |
| 1861 |  | $4 \ln 1089$ |
| 1 kfi |  | （ix）， 4871 |
| 186.3 | 16，49：460 | 49，fifi |
| 18nit | 3，136， 1000 | 427 2， 288 |
| Nas |  | S199， 3582 |
| 18．6 |  |  |
| $1 \times 14$ | 7，211，140 | 4 5 |

The above staterent（No．III．）shows that a re－ duction of $61,88.1,3411$ ．was eflected in the prineiphl of the national debt，ant of $5,414,3051$ ，it the uth－ nual charge on account thercof，between February 1817，and March 31，1868．The diminution lins heen brought about，despite the loans effected during the interval，partly by the application of surplus revenuo to buy upstock，but more by the reduction of the interest on the 4 and 5 per cent． stocks existing in 1817，nud by that paid on tho unfunded debt．The total anumal saving by tho reduction of interest on the fiunded debt between 182：when the lirst，and 1814，when the last re－ duction was made（that of the $3 \frac{1}{2}$ per cent．aumui－ ties，mentioned in former impressions of this work），has been $3,051,800 l$ ．；and，consiterable as this is，it would have been three times as grent but for the pernicious practice，previously pointed out，of funding large nominal capitals．

We subjoin a brief notice of the different unre－ deemed funds or stocks constituting the public debt，as they stood on March 31， 1868.

I．Funds beaming Intenest at Two and a half iell Cent．
New Annuities at 2t per cent．－This is a stock ereated in 1853，under the 16 \＆ 17 Vict．c． 23. Previously to the passing of this Aet，the exist ing stock of the once famons，or rather，per－ haps，infamons South Sea Company，nmounted to $\mathbf{3 , 6 6 2 , 7 8 4 1}$ ．For many years previously the Com－ pany had been entirely divested of its commercial chnracter，and the duty of the directors was re－ strieted to the transter of the Company＇s stock from one purchaser to another，and the payment of the dividends upon it，both of which operations were performed at the South Sen Mouse，and not at the Bank．But in 180．3，when the price of stocks was unusually high，it was proposed to ereate a new $2 \delta$ per cent．stock；and in this view the proprictors of the South Sen Stock were offered for every 100\％．of it subscribed into the new $2 \frac{1}{2}$ per cent．stock， $110 l$ ，of the latter，with n guarantec against the interest being reduced for

urther lis yed
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inses, itril 5
/aish /eflet.
guy dotals.
any detais
tridum. Th
which it enn
abose, The
at the Shank o numbere the p the pleasure of Writ wim, and for Eirchíjuer" athority ul cums and bea prone, or the interest ond the sinat

 coniunted pwrtion was paid off on thims doult that but for the
There can tee lithte or sot the tout thare which weunforesen clunipe in the the perimi when the 16 \&

 greater pertion, or the ond sumperted into the 2 per cent. stouk. have hech converted the rate of interest, wemsioned $1, y$ But the rise in the mintioness on the Cintinemt mixd the threatened disturba delicient hurve.t, hindered the onticipations or a dendent would otherwise have tuken the conversion that in is of great inportance plisec. Sitil, havever, it ins of a 24 per centr. styek. to havs lnid the foumdation or fhe United kintrThese annuities amounted for $18[8$, to $3,827,9041$. There are dom on March 31 , 1868 , to 3,8 er Honds created by


## 16 Vict. c. 23 which bc

ii. Fuxds neanisa

Intabest at Thuee pan Cent.

1. Debt duc to the Banks of Englund wed Ire-Ind-- Whis consists of the sum on ont; ;ividends by the Bank to the p and Oetober 10. This must maynable on Aprits and with the Bank carital of not bo confonn which the stockhotlers divite. 14,53, dividend on the latter is at present, and has been for some time past, 9 per cent. The the the Bank of Ireland amonnts or Comsolidated $\Delta n$ -
2. 1hree per Cent. Consols, or consu thated largest unitics,-This stock forms by much the priares in portion of the public debt. It had ten wasidinting 1751, when an sce sceral separate stocks hearing (hence the uame) several separate sene geral stock. an interest of 3 per cont. into che consolidation took place, At the period when the consoliatition tuod together the prineipal of the flus thit by the funding of amounted to $9,1 z e$, mari loans in this stock, additional loans and parited Kinstom, on Marcli it anounted for the Unitco Ko of $395,489,4501$ ! 31,1868 , to the immensensesum of are distinguishod
The consolidated aunnuitics are are ritics by the from the 3 per cent. roctureat upon them never circumstance of the int by the dividends becomlaving been yaried, anct by the This stock is, from ing due at dililicent periods. proportionally great its magnitude and to soonest nffected by all number of its holderss, thich soonest to clevato or dethose circumstancecs wiced property; and on this press the price of funded propect speculutors and account it is the sock sect for their operations. jobbers most commonly scacet 5 and July 5 .
Dividends payable Cent. Reduced Anruities.-This
3. Three per Cench in 1757 It consisted, as
fund was establishced sereral funds which had pre-
the name implies, of sceveral higher rate of interest;
viously been borrowed at a ligher rate onterest;
hut, by an Sct passed in 17.19 , it was declarel




 at the extandisishment of thans they ammunteld sy the nillition or for the United Kingtom, 8
 $106,1198,50: 31 /$
4. New Anuutites.-This stock was finmed in Whit by the Aets i Yict. c. 4 and $\mathrm{c}, \dot{j}$, whimble ected that thi following stocks, wiz:: -

New 3 Byor rex.......
on
Oidjs prer ecns. Aluuttes and Debentured

should be converted into a neev stock bearing to terest at 34 per cent. till October 10 , 18\% , wha the interest was reduced to 3 per cent., with be the intersest was rat in in to be farther redued oll proviso that ihe new unrodemed stoek created pink 187.4. The neve narcacemect, on Slarch $31,1 \mathrm{se}$ : to $2,20,336,4212$. Octuber 5 .

## 111. Fuxds beallisg mone tin

Cent. Intriast.

1. New 5 per Cent. Annuitiee.-This stok ras Sormed in 1830 , at the same time wint tule nervil
 goo. IV. c. 13. This statute gave hen inersa Geo. Th. . . . .isting 4 per cent. stock, the in intersia which was to to rednced, the option of fulderely into the new $\Phi_{2} \frac{1}{2}$ per cent. annuities, or iato ${ }^{2}$ 5 per cent, stock, at the rate of tool. 4 pertees 5 per $70 l .5$ per cents. Few, howecer, nailed that for 70.6 per cents. sclese of the latto

## $31,1868,433,1251$.

2. New 3 h per Cent. Annuities formend int is stated, in
240,746.
IV. Ansutites.
3. Annuities per 16 f . 17 Vict. $\mathrm{c} 45,18$, 8 eh
 Vict. c. 14 \& $\% 25,29$ Vict. c. 5,8 , 39 Vith cut All these expire in 1880 except ${ }_{25} \& 20$ Vict., the Red Sen Telegraph aunuity, which ceases on A. $1 \mathrm{li}, 10 \mathrm{Gam} .15 . \mathrm{m}^{3}$


 dellt to grant annuities for termo annuities; accepting in paymented in whlo bly stock, according to rates speciaide Traint approved by the Lords of the res initin aunsitics arce granted on the ifie of ary
del. ןr diem
cuent the time. moment are m dal! transitctior oust are prins interwutinn, atine Exche "10 pultine ndrer an in fixubeys The crint thon part comparative ber rocelved at th paid fur it, the he Cisk of fluctatatio premitum or dise hoas at the billo. in lodet, and have The anount outs. botillitol.
In 18ing Ercheq sterest at :" ${ }^{2}$ p per cent, bior : Lidere of south s erery loot. sto
11.-Acount of in euch of the 5 sad

## Conols

 Exulaa patent, itdicedBetrorl
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 cian 4 per cent.
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Clian 5 per cent. vian dyper fipent cent. -inh sper rent. : act. y jper cent. chrentes
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hish 6 per cent. 4.indiner

Ot Blacl, dir. 8 per cent.
nt cent. reduced annultif
encont redsced annuttie



Thent
4 per cent.
entacer paper, cent. 8
 Ly the commiowinery. Ambitites for terms of fard not granted for any perimi lese than ben ars 'these amanitios are tramsferable, but bot in farts or whares. Thome fir terins of years, in fule Janary os and July 5 ; and those for five Arril © ant 'Jetober 10.
lish leble-It semus manecessary to cuter Into ais detals, with reapect to the publie delot of Idatad. The varions deseriptions of stock of widel It condexes, and their amount, are aperelterd awio. 'The dividemen on the Irish debt are paid the lhank of Irclume ; nat, in orde tos areome at whate the pablic, stock thay be transkerred, at the paswe of the holders. From freland to liaent Writin, and fom the latter to the former.
Liratequer lilla are bills of eredit lesued by entherin' of P'arliament. "They are for varions

 Fate the time. The alvanees of the Bank to fio"ument are male una lixclequer bills; and the a transations hotwens the bank and liowernmat are principally sarriol ons through their intervation. Sorice of the time at which outvaul ling Exeherpuer bills are to be paid ofl' is givel
 in'in in lixchenter bills to my ohber specios of then erin lumph the interest be for the most fart conparatively lone ; becamse the capaind may bu peremed at the Treasary at the rate originally maid oo it, the holders being exempted from tany tivk of fluctation, exeept in the amonnt of the fremhan ir diseount at which they may have bouste the hills. lischequer bills were tirst issucd in dive, and tave been manaldy issued ever since. The numut oatstanding on $\mathbf{1}$ areh 31,1868 , was S.ill, $100 \%$.

In $1 \times$ in $_{3}$ E.rehequer Bumls wero issued bearing interst at :"' ; A cent, lior 10 years, and thereafier 2t per cent, for 30 yeurs, ur till 1894, to such bolder of south Sea and is per cent. stock as chose to aceen the same, a boud for 100\%. being given

outataming amonitsed to $2,100,000$
India Nhork neil Imdia flowds are always quoted in the liat of the piriees of the publice furitas. Tlue Whek on wheh the liant Intia Compury diviteos
 From 1596, 103 per cont The uhther wtows are and $\overline{5}$ per cents. ludia boode are generally for
 and oper cent. intereat respectively, mel nre pay-
 the interent dine down to the day of sule is, with the ureminm, alded to the amonits; the lutal buine the sum tobe paid by the purblaser. 'Thepreminn. which is, conseguentls, the omly variable pary of the prese, is intheneed by the cireumstances whide mhane the prixe of stacks gemerally, the momber of bomas in cirtulation \&e.
The price of stacks is influenced by a variter of circumstances. Whatever temis to whake of to increase the publie romblemon in the stability of Gorermanent tends at the same time to lower or increase the price ofstaress. They are also ablected ly the state of the reveme; mid, more than alt, ly the facility of outaininges sitpplies of sispomble eapital, and the interest, which may be ronived nom tonns to resumanible persons, From dïal till the liforllion of lith, the is per cents. were never under 89, and wre oice, in June 1737 , as lify an 107 . luring the Retslion they sunk to 7h, hat in 17.19 rose agnin to 100 , In the interval between the l'eace of P'aris, in libin, and the breaking ont of the Amerlean war, they averaged from 80 to $90 \%$; but tuwarils the close of the war they sunk to 5.6. In 1792 they were, at one time, as hight as 96 . In 1797 the prospects of the conntry, owing to the successes of the French, the mutiny in the fleet, and other allopse circumstances, were by mo menns favourable; and in consequence the price of : 17 per cents, sunk, on Septcmbrer wo, on the intelligence transpixing of an attenift to negolate with the lrench repubie having fialed, to 17 , being tho lowest price to which they have hitherto fillen.

IL.-Amonnt of the Mighest and Louest Price of the Principal English and Forcign Funds in each of the 5 Years cndiny with 1857, and of Consols in cach of the 6 Fcurs cnding with 1867.


## FUNDS

Agreements for the sale of stoek are generally made at the Stock Exchange, which is frequented by a set of middlemen, caited jobbers, whose ousiness is to accommodute the buyers and sellers of stock with the exuct sums they want. A jobber is generally possessed of considerable property in the funds, and he deelares a price at which l: will either sell or buy. Thus, he deelares he is ready to buy 3 per cent. consols at $93 \frac{1}{2}$, or to sell at 935 ; so thant, in this way, a person willing to buy or sell any sum, however small, lias never any difficulty 'a finding an individual with whom to deal. The jobber's profit is generally $\frac{1}{}$ per cent., for which he transacts both a sale and a purehnse. He frequently confines himself entirely to this sort of business, nnd engages in no other description of stock speculntion.

We borrow the following details from Dr. IInmilton's valuable work on the Netional Debt:-

- A bargain for the snle of stock being a arreed on, is carried into exectation at the Transfer Office, at the Bank. For this purpose the seller makes out a note in writing, which contains the name and designation of the seller and purchaser, and the sum and description of tho stock to be transferred. IIe lelivers this to the proper clerk, and then fills ur a receipt, a printed form of which, with blanks, is obtained at the office. (The ietters of the alphabet are placed round the room, and the seller must apply to the clerk who has his station under the initial of his name. In all the offices there are supervising clerks, who join in witnessing the trnusfer.) The clerk in the mean time examines the scller's accounts, and if he find him possessed of the stock proposed to be sold, he makes ont the transfer. This is signed in the books by the seller, who delivers the receipt to the clerk; and upon the purehaser's signing his acceptance in the book, the elerk signs the receipt as witness. It is then dolivered to the purchascr upon payment of the money; and thus the business is completed.
'This business is generally transacted by brokers, who derive their authority from their employers by powers of atiorney. Forms of these nre obtained at the respective offices. Some nuthorise the broker to sell, othcrs to accept a purchase, and others to receive the dividends. Some comprehend all these objects, and the two last are generally united. Powers of attorney anthorising to sell must be deposited in the proper office for examination one day before scling; a stockholder acting personally, after granting a letter of attorney, revokes it by implication.
'The person in whose name the stock is invested when the books are shut, previous to the payment of the dividends, receives the dividend for the half ycar preceding; and, thercfore, n purchaser during the curreney of the hnlf year has the benetit of the interest on stock he buys, from the last term of payment to the day of transfer. The price of stock, thercfore, rises gradually, cateris paribus, from term to term ; and when the dividend is paid, it undergoes a fall equal thereto. Thus, the 3 per cent. consols should be higher than the 3 per cent. reduced by $\frac{3}{4}$ per cent. from April 6 to July 5, and from October 10 to January 5 ; and should be as much lower from January 5 to March 5, and frou July 5 to October 10; and this is nearly the case. Accidental circumstances may occasion a slight devistion.
'The dividends on the different stocks being paynble at different terms, it is in the power of the steckholders to invest their property
quarterly a manner as to draw their insome quarterly.

The business of speculating in the stocks is founcled on the variation of the price of stock, which it probably tends in some measure to support. It consists in blyying or selling stopaccording to the views entertained, by those who engage in this business, of the probability of the
value rising or falling. value rising or falling.
"This business is partly conducted by persons who have property in tie funds; but a procice also prevalls, among those who have no such property, of contracting for the sale of stock on future day at a price agreed on. For example, $A$ ma; agree to sell B 10,0001 . of 3 per cent, stock to be transferred in 20 days, for $6,(1000$. A bas fact, no such stock; but if the price, on the day appointed for the transfer, be only j8, he mar purchase as much as will enable him to fulfil hatig bargain for 5,800l., and thus gain 200l. by the transaction: on the other hand, if the price of that stock should rise to 62 , he will lose 2000. The business is generally settled without any actual purclinse of stock, or transfer; A paying to $B$ or receiving from lim the difference between th price of stock on the day of settle:ment, and the price agreed on.
'This practice, which amounts to nothin else than a wager concerning the price of stock, is not sanctioned by law; yet it is carricd on to a grat extent : and as neitner party can be compelled br lnw to implement these bargains, their senie if honour, and the disgraee attending a breach of contruct, are the principles by which the busines is supported. In tho language of the stax Exchange, the buyer is called a Bull, add the seller a Bcar, and the person who refues pay his loss is colled a Lame Duck; and tos nnmes of these defaulters are exhibited in te Stock Exchange, where they dare not apper afternards.
'These bargains are usually mads for cetin days fixed by a committee of the Stock Exchang called settling duys, of which there are aboat 8 . the ycar; viz. one in ench of the moath id January, February, April, Nay, July, Auma October, November; and they are olwarsa Tuesday, Wednesdny, Thursday, or Fridor, being the days on which the commissioners for then duction of the national debt make parches The settling days in January and Julvareamm the first days of the opening of the Bank bod for public transfer, and these days are notiodt: the Bank when the consols are shut to peqn for the clividend. The prico at which stat sold to be transferred on the next setting e r is colled the price on account. Sometimes is stead of closing the aceount on the settling dry the stock is enrried on to a future dap; on od terms as the parties agrec on. This is culla continuation.
' All the business, however, which is doen the stocks for time is not of a gambling onat In a place of so extensive commerce as Ladry opulent merchants, who possess property in th funds, and are unwilling to part with it, bry frequently occasion to reise money for 1 a time. Their resource in this case is to stll money; and buy for account; and althumb money raised in this manner costs mon the legal interest, it affords ais important tate modation, and it may be rendered stritur and recovernble.' (Third ed. pp. 314-317)

It would be forcign to the olject of this to enter upon any examination of the adrany and disadvantages of the funding system, is we have clscwhere diseussed at considerabien price of stock, casure to supselling stach , by those who bability of the
ted by persons but a praclice e no such proof stock on Por example, per cent, stock, 1001. A has, in ice, on the day ly 58 , he mar im to fulfil his n 200l, br the the price of that lose 2001. The hout nny actual paying to B or ce between the lenent, and the
to nothing else e of stock, is ont ied on to a great be compelled by s , their sense of ing a breach of nich the basinews 0 of the Stok a Bull, and the who refuese to Duck; and the exbibited in the tlare not apper made for cerin Stock Exchang re are about 8 B if the monthe if y, July, Auges $y$ are almars , or Fridar, bents :ioners for the make purchss nd July arealma of the Bank bue lays are nolitedt re shatt to prear at which sock i next setting t. Sometimes on the settling dr uture day, on , which is doant a gambling ana nosece ar in part with it, har money for a c case is to stll ; and althongit - costs mare i importat tury adered strictry 10 $p p .314-3 i_{1}$, object of this mis of the adramis ding system, in $t$ considerabletang

Treatise on Turation, pp. 420-1.11, FUNDS
lape, on the whole, the latter preponderat- Were it acted upon, be little less very consideable. The purchise of former are be plundty than to the peculiar class int to the pertr afforls a ready method of investment pro- The following to chess intented to $s$ neither the Bank of England nor any of the London private banks allows interest upon the pusks, it is plaia that, had it not been for the tacilitieg given by the funds, indiviluals unable re emplor their savings in some branch of busiwes would, down to a late period, have derived rearted to tus inzare from them, unless they It on private credit. But sincedient of lending of juint-stuek banks in the metropalishment allur interest on deposits, the merropolis, which fuyls as a means of commodious investage of the quitc so obrious, though, probably, $\xi_{c}$ is little let ralk; for it may be doubted whether is litte less metion, or cren the Scotch banks, whe banks in beal long ia the habit of allowing, which have actosits, coudd do so, or whething, in fact, the could be conducted ut all, without the aill of they farlls.
The subjoined accornt of the number of diviOttber 10,1853 , anal January 5 , ustivideod day of 1865 , are very importa for the ments. The largo number (over 0 portait docuof todders of sums not producing 90,000 in 1865) giarterty dividend is principally to above 5 .. of thic eireimsitances already mentioned ascribed to to the banking system of the as peculiar there caa te little uoubt that their tropolis; and be materially diminished, did the Bank nomber would mil the private banks allow a reason of England nterest oa deposits. It is crident from rate of reouats that the number of persons from these riat interest in the funds is much dey represent. The dividends upon theater than sperty belonging to tha Fa upon the funded surance companies, the different bable and other vies de, are paid upon single banking comey fere due to so many privte inants, as if bereas they are, really, paid to these indidiul's; Ir because they aet as factors er indiriduals frast number more. It is consequenstees for vund to pretend, ss is sometimes donently quite erfereace with funded property would, that any ae 960,000 or 270,000 it lividuals out of a mot only coo of $30,000,000$. AEy attack out of a popul dswould really bedestry attack upon the divipresels of those to whom dividend merely of the ch, but of all who depend :apon them warrants are coy our whole system of irsurgem ; it would and overspreal the country with and banknia. Xot only, therefore, is wankruptey airasion of the property of the fundholders med on injustice and robvery, but it would Account of the Number of Persons oultu
kld thy them whitich beeame due at the Quarters entended Day Dividends on the Portions of thc Public De each. $\quad$ of 1860, arranged in Clesses according to the And January 5, 1852, ant Dacripition of 5 text, 1831-2
order to show in which of been calenluted, in may be invested so of the public funds money cent est. it gives the prion yichi tho greatest they all must to 93 for :3 per centering by 1 per that, supposing to yiold the same \&c. at which invested in the 3 per cents, same interest; so yield the in them, or in cents. to be at 80 , a sum yiedd the same interest, in the 3t per cents, will 334 ; if the 3 ? per cents. provided the cents., will of course be more conts. be below this sum it at as interest is conculvantageons, in so sum, it will in the 3 per contserned, to invest in fur at least will be leer cents.; while, if thest in them lhan To get th adrantageous. eous ay particular period, in order different funds at accurately together, it is orecerssery to compare them the payment of of interest acerving to deduct from the payment of the last dividend. [X.-Tiube
must be at to prode Prices the different Fiunds also the annual Interest an produced Interest, and
ing investad ing invested at any of those produced by lerest, and

$$
3_{\text {pur cent }} \text { nosted at any of those Prices. }
$$

Our countrymen are also large of the United new South American Sasing, however, to States of North America. former have been almost the anarchy in which the formensequent want of constantly involved, and the conseqation, on the power, and probably also of any adequate propart of their rulers, to their debts, a large arrear vision for the payment of in toness, been allowed of interest has, in most instatle prospect of its to accumulate, with
bcing speedily reduced.
The public delt of the United States, which
amominted, at the close of the last ine different States in January 1858, ond Total Amount of ne XI.一An Account of the Debts of the different States in January 18.


[^21]Sone of the debts so contracted have FUNDS adrantagcously liaid out; but a large portion berrawed in 1835, and other periods of wortion exsitement, were eontracted on very disadrantarenus terms, and expeuded on projects some of which have turned ont extremely ill. This, olid not atlind so much as anes themselves excuse for the conduet of those sharlow of an excuse for the conduet of those states which hare deelined to provide for the payment of thacir that in the distress into bhich be wondered at thown ly the erash of 1837 , and the depon was tullowing therenn, some of the States depression Malowirg therem, sone of the States shonld havo letil compelled io suspend payment of their temprary ouly. The indelted sort conld be rith, and emincultly tlourishing and prosperous vaumurities, and it might have been expected tiat they would have made every ellort to resume payment in full of their delots at the cariest posible monent. But this, we are sorry to say, las not been the ense witic some of them, as mill be seena from the following statement,
obilizacly turnished to us for our obiningly turnished to us for our last edition by aud extremely well versed in the United Statei,
'The follewing states of the Union feiled fur the interest on the whole or a part of their deets during the period of depression which followed I8j3, viz, Michigan, Penus-1 diana. Illinnis, Maryland, Arkansas, Mississip, inLulisina, Frorida, and Texas. Of these, Penngylvania bas resumed payment of interest, and has fuuded the arrears thercof, which had acerued
during the suspension in daring the suspension, in stock bearing interest tecame thate whea the respective dividends became due. The interest on this stock was 6 8 rears, the State, notwithstanding unpaid for mismean enough tooblige the holders to wealth, xehanage 5 per cent. stock, with the to aceept in the oredue interest at 5 insteal the payment of thate she at the samp time laid of 6 per cent. ; per cent, on the diridende payable on her tax of neducing the portion held by foreiguers. her debt, tod has also rosumed payment of interest in II, and has paid off the dividends which had cecumulated during the period of suspension, with emasylvania, she laid a tax of 5 ; but, like enenily rectuced to 3 per cent) of 5 per. cer: aill her $d$ be, including that belonging to eighers, "'he debt of Louisiana consisted of Co,000 dollars), whick compery small (about State, and which was the direct debt of Hided for, the other ways been punetually 00,000 dollars), arising from larger (about it oi the State to various banks loan of the their cagagements, and which becam as sceurity the State in eonsequence of the ine a charge Stute did provide for the claims upon them stute did not make any provision for this us banks of debt from her treasury; but the a shorter or longended payments have, dell for ther or longer interval, themselves at there are noind at guaranteed by the State; tions outstanding for whesent any overdue ther is pledged. ichigan lias red
chise haz has repudiatel the greater part of States, evertiou sold to the Bank of the Sount, for which she small proportion of as sold cortain public works hat liability. nis in payment to the works, receiving tomat to the extent to which she
greatly neknowledged her liability, and has thus las provided for the paymeunt outstanding, and latter, excepting the repurint of interst on the Stato of Indiana lhas repudiated portion. The delt guaranteed by a simall proportion of her interest on which by the Bank of Indinna, the other, and much the ben regularly paid. The disposed of, after several larger portion, has been the following inanner: years of suspension, in has been funded in a newe half of the prineipal cent. interest, of whieh, hew stock, bearing 5 per was paid for a certain time the only 4 per cemt. being funder in a deferred stock other 1 per eent. arrears of interest was also fock. One half of the -2, per cent. stock, was also funded in a deferred principal atd stock. For the other half of the make any proviserest the State has deelined to Wabashy provision from its funds. But as the which and Erie Canal, me of the worl the Which the debt was contractel whe works for imished state, the bondrictel, was in an unoption of advauciner thonders were otlered the completion, and receiving sum require,l tor its canal nad the receiving the nett menme of the lands granted produee of the salo of eertain public the payment, first, of their construction, towarls the laif of the prineipal and interees, and then of wonds not provided $f$ and interest of their state siderable part of the for by the State. A conupon this proposal by contriluters having acted sum, the eanal has been contributing the necessary and the produce of the completed. Its revenne, tirst, to the repayment of the sales, will be applied, the payment of the interest advances, then ti, honds of the subseribers, and principal of the should be any eventunl surplus, lastly, if there the bonds held by non-sulpus, to the payment of that the bonds of the subscribers. It is hoped may in time be providel fribing bondholders sales of lame bo provided for by the canal and non-sulseribers from this opect of benefit to the and uncertain. Illinois arrangement is remote rision for her debt to is has confined her proof 25 cents in the to imposing a permanent tax State, and enacting thols. on all property in the Whatever it may that tho produce of this tax, towards paying the imount to, shall be applied ing it first towards the payment bonds, applyoverdue coupons, and the payment of tho oldest date in succession. The larese of more recent dhecd by this tax has The largest amount p=o13 per cent. per anni:m only sufficed to pay about bonds. It is loped that on the principal of the of the wealth of the State from the rapid increase improve in productiveness, and thall equally eventually equal the interest and that $\because$ may is at the rate of 6 per cerest of the bonds, which be the ease, the per ecut. But until that shall every year by the dife the delbt must increase interest and the produference between a year's which beeomes anduce of the tax for the yrar amount of interest addition to tive very large provision is made for overdue. And as no hereafter, the interest parying, either now or and increasing arrear, tine on this very large inder the most favourable tie bondholders must, eventually considerable le working of the $\operatorname{lnw}$, bo made any provision losers. Arknnsas has not wards her provision from the State funds towarts her debt; but as the Stato bouds were
issucd to provide cat liable for the pride capital for a bank, its assets are 'The debt of Mississ the bonds.
furnish capital for the Planters' laank. She has mion Bank and tho issued for the benefit of repudiated the bonds to $5,000,000$ dollars, and has tormer, amounting either for these or far and made no provision , 000,000 dollars issued to

## FUNDS

the Plauters' Bank, her liability for which she aeknowledges. By a recem the have heen stitution of the State, her cours of the claims of allowed to take eognisance of the chater thaw individhuls against the State, and win in decission a suit was brought, whef the state atlirming of the supreme court of the case of the the obliration of the state been repuliated. Gnion lank bonds, which had been repone of the It is a very ominous circumstance that one of the judges who deeided in tivour of the hondhothers, and who, having eompleted his term of service, hecame a candidate tor re-election, his decision. berame the vote of the people because of debt from the filorida has not provided for her cebtly reduced state funds. Its amount has been greaste bonds be debtors of the baiks, to whom the shes, and paywere issued. buying them upat a pe of their debts ing them into the banks in cischar, ing Texas has annomeed her uthent settling her titing by her own laehes, that is, of sectising the lebt on the prineiple of have cost the bondamount which the which will operate a very holders-a principle which witude. Only a part of creat reduction of its magninded to this decision. the bondholders have shbmited by the lederni $5,000,000$ dollars paid to appropriated by her Government have been approphat in the way towards the settlement of $b$ now statel.'
This is not a very favourable statement; but Michigan Illinois, und those States whieh had made such ineffectual provision for theed to adopt of their debts, have since been ing sall sacritice more efficient measures. $A$ them entirely to wipe on their part would enable the honour and their wif that fonl stain on their honour even now credit, under which some of the afraid, continues sutiering. Mississippi, we are afraid, contianes. her poliey, if so we may call poliey of the states We eannot find fault with the fir dividends due to which have tased some such a proceeding be not foreigners; for, thoush suel are, is unluckily in easily justified on prineiple, we have set in aecordanes with the example we foreigner to suljecting the
the income tax.
The total State debt of California am, 4,928 dols. ; seen above, in Jan raised by county and eity but this sum was rased $12,163,090$ dols. It is debts to an aggregate of the people of this new highly to the eredit or the the repudintion of State that on a subnitted to their consideration, the debt being subnisted to votes to 16,970 do. it was rejected by 18 for $1859, p .336$.)
(American Almanac for 1859, 1 . Be been unwise
Soon after Pemsylvania had been unwise enough to repmainate her ded to Congress by the cible appeal was nderessed
late liev. Sydney Smith:-

## The humble Petition of the. Rev. Sydney S

the House of Congress at Washington.

- I petition your honourable house to institnte some measures for the restoration debts incurred credit, and for the repayment of states. Your and repudiated by several of the Siates. Four petitioner lent to the state of some pablic improveof money fo: the purpose of some ment. The amount, though sman, income, made portant, and is a saving from a If their refusal to with ditheulty and prisation. number of English pay (from when a sufering) had been the result of war, ramines are sy the unjust aggression of powerful produced by the unjust aggressil discord; if it enemies; if it had arisen fromident applicatiors or

FUNDS


## FUR TRADE

of the first, as it nlso eomprise fors labit and fashion hamprises furs which threurh necessity. I should here bume beome articles of diflerent skins commonly enmmerate all those But the demand for thenly called hatting fiurs. ducion of silk fur these has, owine to the intro though of silk and straw hats, treatly fallentrothough it is still considerable, Greaty fallen oft hat making were beavarablo. The furs used for hare, and rablit: bat each of thash, otter, nutri:?

- Neutrin 20 different sorts or classe may be subuli-

Neutria, or nutria, sorts or classes,
article. It began first to be comparatively a new tities about 1810, from the sported in large guanSouth America. [Nutue spamish possessimen in different purposes, being either the skin is ased for or cut (shorn) as a hattiur fur (ressed as a peltry factured and prepared, it fur ; and if well manu to beaver fur, and is used for sime rescmblance
3. Under the 3rd and later similar purposes. those furs which, though contins I should bring al in immense quantities, must still sold, and nised mere articles of fashion, as their value considered
eording to eording to the whins and fancies of value varies acThere are, however, exceptions of different nations.
commuities, se 1 mation on the debts of various On Funds, by Nasht, 1867.) mals, covered to therce, the skins of different anithe inner side beiner converted bit a thiek fine hair tue inner side beint converted by a peenliar process nto a sort of leather. Furs, previously to their underifunt this process, are denominated peltry. in the hat manufacture ; but the intreductio use silk and otlier hats has all but the introduetion of is enplorment in this way and ircly superseded not med sarer than and its value, though quenee, fallon of the middle-aced or tounm animaly. The fur of rer, is most estecmed. It is the tinalled cab beaand takes the best dye. Fiteh, or the fur glossy, bitchet or peleant, is prineipally imported the Germany: it is soft and warm, but the unpleasant mell which addheres to it depresses its value any furs ma, be considerons among these; and minee they are always used, thoustandard articles, melt infuenced by ehanges of fashioner price is - This class comprises on of fashion.
as muder it may be brought the slins vaty of furs, mals in existence; almost the skins of most ani oceasionally in the trade. r furs being outirdy
Which ean neither be cultivatednce of nature their value is not be cultivated nor increased, but dejends materially oned by fashion alone, supplies received. The weather larger or smaller monce on the quality and quantity of freat inported from all quarters of the quatity of furs incumstance renders the fur tridobe; and this cirperhaps, and precarious than aute more difliculs, qualizy, and consequently the any other. The will differ every year. It wouce, of many furs impossible to state the value of be completely artieles of furs state the value of the dibetely imaginable. I have often seane most fluctuating rise and fall 100,200 , and sent the same artielo course of a twelvemonth; and to0 per cent. in the course of a twelvemonth; nay, in severid instances,
in the space of 1 month only,
'Amoner the month only
(though, fike all the wiel always rank very high may be specified the Sibest, they eliange in value) and silver fox. These articles sable, and the blaels paratively very scure articles are at all times com-
'The ely very scirce, and command high prices
Russin ehief supplies of peltries are recigh prices Russia (particularly the Asiatic recelved from pire) and from North Ancrien part of that emcountries produce very beantia. But many other and though we are motautian and nseful furs America: Europe furnishes adebted to Asia and quantity: Africa and Auss a very considerable portance to the fur trade as from are of little imthey furnish but frade, as, from their situation, less. From the form artieles, and consume still less. From the former we draw leopard and tith skins (the most beautiful of that leopard and tiger the only production of the of that species), while this, however, is never used ns a fue kangaroo: consumed by leather dressers a fur, being ehiefly sake of its pelt 'Besides
several fur companies private traders, there are in various conntrics Among these, the do a great amount of business. London) deserves to fudson's Bay Compary (in from the extent of their busincened first, sot only one of the oldest chartered comps, but berause it is
The American Fur Compnanics i:a England. tands next. They ehietly stauds next. They chiefly traded to London

The furs from nearly all imp pany, by whon China is one hiver-lmericas carring a consi to them in Kan imerica to Kia fort tea and other
FLSTLS Fr, fittaine; Ital. Lus, bumasea; 1 tuff. wealed or freture of this fa ance $\quad 3,096,-126$ olomed, were

El'sflC (Ger. hont: Fr. bois jaun Brasilio; Sp. pialo of a pecies of mu iny in most parts States, and tho W and landsonte tree must other dre-wo ap interel, is hard srely used as an in low, and is largely i twien yentat Leipsic. [Farss.] the fur trade,

- It is a remarkahle fery or town which prothat almost every country or to and consumes the thees and exports furs, ine frequently the most disfur of some other place, fint an artiele is consumed tant. It is but seldom it is produced, though that in the country where furs to a very great extent. conntry may consume fors with respeet to the North
The following detams not be uninteresting:Amerienn fur trade mas practised by the French
This trade was arst Montreal, and consisted settlers at Quebec artering tire-arms, ammanitiong then, as nerts, and other nrticles in skins. In 1670 cloth, spiris, for beaver and other skin' Bay ComCharles II. established the 1 ludson'sive privilege cany, to which he nssigned the exclusiout the vast pany, to whe with the Indions in and about the The of trat known by the name of Hud Forts Churchill company fombed establishmentsather ploces on and Albany, Nelson River, Bat the trade they the west const of the b profitable one, was carried on, thourh said to be a procir conduct on of very limited extent; and thoroughly they were various oceasions showsirit e? jealonsy which pre'possersed with in nil knots and societies of vails in some degree in morivileges.' (European men endued with pecun 268.) Burke has, in the Settlements, vol. it. p. 268. ) astonishment that same place, expressed how open. But as the the trade has nater was never confirmed by fill company's charter whitish suhjects are lawfoly Aef Parlinment, all Brish ions; though from Actitled to trade with those reghe trade, the proentidificulties attached to the and the undisthe diffenuired in carrying it on, anders have extectised hostility which privnte traders have exgerienced from the agents of the company, with perienced have been ntlowed to monop the principal but little oppositien. In trade of Camada formed traders engaged in the fur trade or Con by the nome thenselves into an association knowny their chicf the the North-West Company, having thempany of the Northe at Montreal. This new eompany establishment trade with great enterprise and prosecuted the frese suces. The course of their very considerable sucir adventurons undertakings proceedings in their aeseribed by Mr. Maekenzie, has been minutely described by in his Voyage one of the agents of the compatinent of Americt. from Montreal throught us that some of those This gentleman informs are employed at the ascugnged in this trade are emp of 4,000 miles northengining distance of upwards of 4,000 mils

The furs from our North American eolonics are nearly ail imported by the Hudson's hay Compans: by whom they are sold at public saies. China is one of the best markets for furs Rusoo-dnerican Fur Compauy were in The arrying a considerable quantity of the furs taken io them in Kamtsehntka and what was liusiam inerica to Kiachta, whero they were evitussian fortea and other Chiuese products.

ISMA.
fr, fitame; Ital, finstagno trusta Dutch, fustein liw, bumasea; Jol. barehan). A kind of eastan riff wealedior ribied on one side kind of cotton facture of this fibric is tracenble. The mamfacture of this fabric is traceable to the middle 3 ats, $3,096,126$ yards of fustinns dc., plain and oldured, were exported in 1860, valued at ,
FTHC (Ger. gelbholz, fustiek; Duteh, reel mut: Lir bois jaune de Brésil ; Ital, legno piallo barilio; Sp. palo del Brasilamarillo). Tin ot a species of mulberry (Morus tinctoria) wood ing ia most parts of South Amerien, in tho , brow states, and tho West India Islands. It is a nited and handsoate tree: and the timber th is a large mint other dve-woods, brittle or at though, like sp interel, $i$, harl and srittle, or at least easily sirely used as an ingredieut in the dyeing of yellow and is largely iaported for that purpose. of

## G:1LACZ

,933 tons of fustic imported in Istib, 926 tons were brourth into Great Britain thito from the British brought from Mexico, 1,421 Cubo, 277 ditto from West Indies, 520 ditto from ditto from Brazil. Furtic States, and 6.I: United Stntes fetehes full from Cubn or the in the London market than 30 per eent. more Venezuela. In 186if the price or the Jnmaica or from $\overline{\mathrm{I}}$. I Ss. 1 ld, to $\overline{2} /$. $15 s, 8 d$ the former varied latter varicil fromn ol. $90.10 d$. per tom, while the ton. The consumption amoun, to 41 . 1is. 3 cl . per tons a-year consumption amounts to abont 6,001 1815
was abolished in
of sumach (Rhus fustic, is really a species distinct from tho Morus, Linn:’, and is quite the latter being Morus tinctoria, or old tustic former is a smg a large American tree, while the Italy and the European shrub. It grows in pally exported from the of France, but is prinei in the Moren. It imparts Islands and I Patras yellow dye to eottons imparts a beautiful bright mordants are cottons de., which, whell proper conveniently stowed ameny permanent. It is goods, as it may be cutgst $n$ cargo of dry length without injury cut into pieees of any of this species of sumach is only a suanll guantity ductuates considerably.

## G

GiLLICZ or GALATZ. A town of Moldavia faence of the Sereth Dannbe, between the conwere of the Sereth and Pruth with that river ditr, thaug., long. $28^{\circ} \mathrm{E}$. It is in built and much improved hese respects it has latterly been is, 8 明 to 80,000 . Tlie tratic of the town to from caried on by Greek merehants; town is chicfly hat ast fer rears, various English and other foreign cos have fermed establishments in it. Though at net position for beance inland, Galacz is in the t present, hovever, it is little port of the Danube Mudaria; 1braila or little more than the port rrber inland, lbeine or Brahilow, about 12 miles rther inland, being the port of Wallachia. The the Danube importance of these ports, and indeed ein 1899. Previously to the reaty of Adrianthe Pincipalities Prensly to that epoch the trade siserestrictions, and was under the most opland. But all artic was prineipally carried on be freely expricles of native produce may fing moderate duties; and the by sea or land, on falso, for the most part the duties on imports The probability part, comparatively modercz, 'the Alexandrin' inced, seems to be that Scythian Nile,' will at no very dist called, 'of ome a first-rate emporium. daria and Wailachia from. The reseuing of th bas been allachia from Turkish misgovernupel that they may advantnge, and it is to paralysing iafluence never again be subjected colar intercourse by . The establishment of een Vienna and by means of steam vackets Sea, mith Constantio, and thence, by the dready doae a great deal and Trobizond do more, to introduce a spard will every into the rast and fertile spirit of improveries traversed by the Danube ing-neglected, of its course. The eapanube in the lower is a commereial highway are certainly
mequalled by those of any other European stream, and their full development European of immeasurable advantage, not merely to the nations. Expor
are very prode Imports.-Moldavia and Wallachia of com productive provinces, being fruitful both France, Italy, and The high prices of corn in gave an extraordinary stimp, in 1846 and 1847 trade of Galacz nnd Ibrait stimulus to the export from both ports in 1817 . The exports of whent than 570,978 quarters, wonnted to no fower 875,6031 ; the exports of worth on boazd ship same year were 937,720 of Indian corn caring the and among the other exporters, worth $1,172,1501$. quarters of barley, and 42000 were abont 320,000 a variety of inferior article $\mathbf{c w t}$, f tallow, with of the exports from articles. The total value above year amounted to the ports during the $2,368,47 \mathrm{za}$., of which about the very large sum of braila
The quality of the and partly soft, was, a fewt, which is partly hard being fenerally damp, and hears ago, very inferior from its being kept in pits dug an earthy smell Latterly, however, it in pits dug in the ground and the finer samples now been mueh improved; Genoa, and Leghorn, with fetch, in Marseilles, ol' the price of Odessa whithin from 3 to 4 per cent, 86,140 quarters of Wheat. In 1852 we imported wheat, with no few Wallachian and Moldavian In later years the er thinn 626,714 do. Indian corn. ished. In 1806 the imports is considerably dimincwt., and of Indian eports of wheat were 141,181 vinees fatten large heorn 604,503 ewt. Both proToldavia, which annually sends great partieularly the Austrian states, Tallow may great numbers to qunntities, its annual produce may be had in large being estimated nt about 3 in Wallachia only $8,500,000 \mathrm{lbs}$. Until within these few okes, or
tallow shipped at Galacz was burdened with a heary export duty, which check This duty, after consequent? also, ins whathed in 2861, and haviug been. will exports and imports at 5 per was renerve The cuility of the lambian tallow cent. inlen. is excellent. Amon-the skins, lard, butter, are wonl, timber, hiles minseed, barilla. yellowbristles, bones, jerken \&e. Timber of the tinest berrics, charse chad in any guanity ; but as it quality maty be mantageontly exported in large can wh, which eamot when laden make their way over the bar, the trade ir it has hitherto been contined within compratively narrow limits. One, however, would be disposed to think that this dithenlty might be obviated by sending down the timber in rafts, and loading outside the bar.

Notwithstanding the recent period at which the navigation of the Dambe has been opened, and the barbarous state of the countries in the lower part of its conrse, the value of the exports from Galacz and Ihraila at present (18 from $750,000 \%$. exceeds $1,800,000$ I. a-year, of which fer lut, cou to 800,0001 . may he from the form to what it cersiderable as this is, it is nolisation to make any tainly would be were ecountries traversed considerable progress in the the Anstrian dominby the lanube atter it leaves river to hecome, as ions, and still more were channel for the conit naturally is, the prineipal from Hungary and Transylvania.

The great articles of import are manufactured cotton gools, and cotton twist, principally from England, the demand for which is rapidly inereasing; with sugar, coffee, and other colonal hardducts: olives and olive oil, iron and sel, hardware de.

Entrance to Galacz.-Of the three principal mouths of the river, the Soulina (middle) mouth, in lat. $45^{\circ} 10^{\prime} 30^{\prime \prime} \mathrm{N}$., long. $29^{\circ} 41^{\circ} 20^{\prime}$..., is the only one accessible by vessels of considerable burden. The depth of water on the bar, at its entranes, $\frac{1}{2}$ mile from the shore, varies from 10 to 13 and 1.1 feet, aceording to the scazon of the year and the direction it is opposed by the curlatter blows from the ey, in the W., so that the rent of water flowng by the deposit thereon of bar is rapidly incrawn by the river; and when, the mud brought down byent and the wind coinon the contrary, the into the sen, and the cide, the mad is depth of water on the bar a powerful dredring mented. The assistance to stir up the mud, or machine, or machine fitted to struint the prevaother deposit forming the bar de of great imlence of westerly winds, wed that with its ageney portance; and it is believery materially decpened. the channel might be very of the state of the Great complaints navigation of the Danube dartly by difficultics to have been occasioned petween Russia and arising out of the dispute prevalence of easterly Turkey, and partly by the preverecting a lightwinds. But it would be ease to the river, and emhouse to mark the entrance to the steam tugs, to ploying a dredging machine ans to the navignobviate the plysical obstriez and Ibraila there
tion. From the than 18 feet water, and in many is nowhere lers to 70 feet. Vessels of 300 tons lie clase to the quays at cialacz. The shores at the mouth of the river being low, and bordered with reeds and shoals, vessels intending to enter the river generally make the small roeky islet of

## (1.1LACZ

634
Onnule to Ibraila. About 1837 the cutire exports of whent from Varm nud the other and Kustports between the finlf of burghas 200,000 quarters, pord did not certainly exceed ened to xoli,000 whereas in 18.17 they amounte bear in mind quarters. Aud it is neeessary to hear in wex that thisis cxclusive of the export, What of Buria, considurnile, from 'Tontemes 10 , of the entranee on the It" "he, nbent 40 mes 'Hose of Kistengi in to the $S$ lina month. fho whe ather corn. 186:1 were 002,298 uss, of

- Fumber and Timange of Vensels of various

Vistions Cleared from the Month of the S' Somlina, achaling those lion
in the Jerer 1863.

| Natonality | Vessels | 'Toms |
| :---: | :---: | :---: |
|  |  | 54.478 |
|  | 11 | 2,n(m) |
| Austrian, Mailing Merchant sterimers | 121 | 35, ${ }^{1 / 46}$ |
| Stears packets. | i |  |
| Panish : ${ }^{\text {a }}$ | 31 | 8.197 |
| Ficuatorian surisalem, talling wences | 13 | 1), |
| Frenchand sornsme steana packats | 216 | 16, 160 |
|  | 1,073 | 110, ${ }^{3} 804$ |
| Gireek - | 19 | 2,569 |
| Greek | 3i) | 4,152 |
| Haneverion | 172 | 21.361 |
| butch * | 369 | 81, ${ }^{2}, 169$ |
| Ionlan - | 11 | 7,914 |
| Itallan | - $\quad 15$ | 2,6,31 |
| Moldo Wailuchian | - $\quad 15$ | $7{ }^{12}$ |
| Norwegian : | 1 | 3,911 |
| Ofderturs : | 17 | 3, 3 ,097 |
| peruvian : | 1 | 12,097 |
| Yrussian ${ }_{\text {Husian, }}$ Sailing vessels - |  | 4,001 |
| Hussian, Sturchant steo.ners |  | 2,167 |
| Samos. Steam !ackers: | $\begin{aligned} & 3 \\ & \hline \end{aligned}$ | $\begin{aligned} & \$ 16 \\ & \$ 11 \end{aligned}$ |
|  | $\cdots 44^{4}$ | 41, |
| Swedish : | 1 | 1111 |
| Turkithe $\begin{aligned} & \text { American, Unlid States }\end{aligned}$ |  | 519,332 |
| Tonal |  | tonn |

vessels were 3,330 , the tonnage 555,457 .
Quantities of the Principal Articles Ex.


The port of Varna is situated on the W. coast of the Black Sea, at the bottom of a Ge Gnlata, the bny, about 3 miles $\mathrm{N}^{\circ}{ }^{\circ} 0^{\circ} \mathrm{N}$., long. $27^{\circ} 58 \frac{1}{2}^{\prime} \mathrm{E}$ latter being in lat. $43^{\circ} 10^{\prime}$ N., long. Its importance
onnection by railway with Rastehuk on the Danule. The orthma of the town, in , or and winls hetwen l., tall onse. It is opect tow and unliad ly mans al S.s.E. Vessely load angerous to approach within lhghters, it being de slome.
ess than then Varna and Sontima is the pot is rintern bieh now that the railwny fumbereKistergi, which, now the Haek sea rin therer ing the Dannise and the will move, .Jly wits. volo has beer so trate of tialacz.
draw much of and soft wheat nre shipped in as Wheth harit and of the lormer beine fom 3. 31 Varna, the value of the than that of the latos, it 10 per ecent. Grenter wheat when experted; and duty is elarged onty of nbout 2s, 8, phe puater, being a tixed mpyen are low, and low when by are thigh.
louths of the Danube.-There is a grot dis anacy in the stntements of ancient anthorsu to the mumber of chamnels ly which the limute poured its waters into the Euxine. (thlan Noltia Orbis Aneiqu, mument: some authon. discrepancy exists it has 4 , others $\overline{5}$, and othes ${ }^{5}$ ties aflirming that it has a, othorse, and buere are ody or 7 mouths. 3 of any cons north, and successively the walis mouth on the nor Edrillis mouth. But, beike mouth, and the Edrimels of infrine mputo these, there are other chanch ance, of which two, nt least, are sill antiquits te sonth than the channel was the deepest, and hed suited for the purposes of navigation, and wa thence called Saerum, (Cellarius ut uyphi) It is not, lowever, to bo wondered at, thas. in wh course of so many age , ehannels of the iret it have taken place in the Ostium Sacrum, or web. sem channel of the ancients, may have run tetmed Carsum, now Ilirehovn, and the lake Ildmras Carsum,
now Rassein, which communieates with the has ino at Knra Kerman, formerly Istropphata 120 a point still more to the sonth. it meder there certainly wns a channet (1)'Anville, Abrge de la Giomph pointed out (1. i. p. 307) ; mud asit is a goodite more to the south than the Edrillis mother which the Ostium Sucr to have the best dyiss identified, it would seem to have thes wibl latter. This cbannel is, in fact, still p open, and it is stated that the Austrias ment has seriously entertained a proien nuaking it navigable. There can be ao much if this could be effected, it would bungary ald portance to the the upper part of the nivet, countries on the materially shortenting the transit of ships and gonde factit black Sea; but the marshy ote ack to oppose fo ingibe oter the ground is sition of a canal.

Nivigation of the Danube.-Steam anihy was first established on the Danube in 1834 which the undertaking has gone on betwee II much so, that the communication bermend and Constantinople (party mainaiued. The th by railway) is now well was the first in the Steam Company, which scheme by staring" have extended their scheme by araring
between Vienna and $L i n z$, and a between Vienna and 1838 running resels pany command Linz.

Steam boa ${ }^{+s}$ ply on the Danube as sing river is free f.om ice (usually from yarcian
p.) Novembr Pavernsh, onc mohing Gala 15 ne edinm by
may be reache
The journe ${ }^{\circ}$ riuding stoppat []$_{1} \mathrm{e}$ fare is nit font $1 i \frac{1}{2}$ ) : as The narigati unfortunately i ctween Irratec ration, the luwe is a wipt of cata a miles lu low Worlay of pomarl liman emperpurs - lamue had mod n roand, o fine, for facilitat whith the remal inctiption comm the works. It ha lifieullifs in the ating the old R1 hanald contiguot tast attempts to bed of a nlocr, tha unstances, are ab etter way, undome ticable, io construc cual from the mon which rould not o shorten the navirati of the niver by Orson Way of such an tud the gromen, are said therfore, probable $t$ hang the rapids wil wat fur some conside coartwience, howe arization has been the construction at treat expense, by lodora to Orsovia the nek, and terra is carried, it is not giacening to the $t$ reral steamers hav repids at the seas them at all times; o and rool, are to passengers and wefs are transferr at andora, belo u.be.')
tivcays,-A railroad apital of Moravin, to roes from the Danul a Bodemia, where i a, and through it ;bat, as already ex Sea rill probably t trade of Galacz to ation of the Danub mojected canal to , the fapourite sel been uadertakea b. ras completed ani 4 from Bamberg, by deamark, joining t des above latisbou be dear Bamberg, a

## Galangal

to Sorember): Vienna to Pesth, dally; Pesch to havening falacz on the fourth day fo linstchuk rraching Galacz on the fourth day from I Posth, or proceilightre railway to Varna. Constantinople mat te readicel bu about the same time.
The journey tronia Viemun to Comstantinople, inriuding at ppages, is prorformed in less than 5 dave The fare is now (tris) tirst place, liat tlorins ainnot $15 /$ ) : secont place, 111 thorins,
The uavigation of the Dinube hy steamers is unfirtunately interropted for aboit 50 miles letween Drincova aud Gladova, by rocks aud ripita, the lowest and most convidurable of whin a a mith of cataract, falled the 'Irongate, Whem It miles heflow the Ilmmgarian frontier. It is wrhy of rumark that the most illustrions of the lawhan enperors, Trajan, alive to all the advanthet te derivel from the easy navigation of the Daube, had with equal iudustry and sagacity fond a foad, or towing-path, aloug the river's elge, for facilitathg the operation of towing, of Which the remains are still extaut, with an inctrittion commemorative ot the completlon of dibualties in the way of the navi to overcome the diticaltes in the way of the navigation by renoratiag the old homan roml, and deepening the that attempts to improve but it rarely happens bet of a river, turler naything like similar eircunstanees, are ewen tolerably successimilar eirbetter war, undoubtedly, would be, were it The better was, undombtedly, would be, were it praccanal from the mouth of the cannl, or rather a which would not only noid theskn to Palmakn, thonten the naviration by retting rapids, but nlso of the riper by Orsova. H getting rid of the bend Fay of such an undertaking, from tho tics in the the gromal, are said to be ing, from the anture of thendere, probable that tho ang the rapids will continue, if not nlways at eat for some considerable time, a portage 2rarenience, however, of this break in the arigation has been diminished, as far no possible, - the construction of an aulmirable carriage rond, theat expense, by the Ilungarian Diet, from Wodora to Orsova, In the extent of excavations the noth, and terraces of masonry, upon which sparfining to the is inferior as a specimen of reeral steamers to tinest roads over the Alps. reral stamers have been transported down ss them at all times; and little boosts, small barges us and mool, are tos ; and little boats, laden with passengers are towed up by men and oxen. mers are transforred ands conveyed by the wers are transferred from Moldovn in rowisto Giadova, below the Irongate, where they lubbe') aiother steamer. (Geog. Dict., art. aupital of Moravin, to is completed from Brunn appital or Moravin, to Vienna; another railrond rgee from the Danube at Linz, north to Bud to Bobemia, where it reaches the banks of the cal, and through it communicates with the f bat, as alrendy explnined, the railwny com4 sia nill probably trg the Danube and the Sta mill probably transfer the major portion etrade of Galacz to Kusteagi. friected canal to anube and the Rhine.-The the farourite to unite the Danube and gheen undertaken scheme of Charlemagne mas completed and the Bavarian Governds from Bamberg, by Erlaugen in 1846. It to Neumark, joining the Diangen and Nuremmiles alove latisbon. The dise at Kellheim, ine near Bamberg, and the Danuce between ifs; but the actual extent of canal is less,

## QALLIPOLI

he cummunication being in part effect 635 Rurguity, a tributary of in part effected by the Altmahi, a tributary of the Mane, nult the any, comsequently, an of the latmbe. There is Whter throughogit all the vast emmmonication by from tho shores of the the wast country st retching Sin; so shores of the Nictherlimis to the ISTack Gialacz may the poluse shippod at liotteritam Isack Calacz may be conveged from the one to the other at
in the same vessel. GAlume ressel
 knstulk; Chiness, liang liant, Galauga; Arab. Jharanta galanga, bronghat trone (he rowt ot the Erows in Shanis, Fiuhlien tron Chiua (where it last Iudios, in pieces ntumal kanchat) mul the har.lly $\frac{1}{2}$ m inch pheces nthont 1 inch longe, nud kind (Greater Golowagal) A larger root of the same thickness, is interior (angal), an ineh or more in not very, is inferior. It has nu aromatio sore in extremely hot, bitiug and an upleanant, bitterish, cine and cookery, especinlly. It is used in medi16y, Gd, per picul. It shoularries. Worth about plump, of a brient It shofild be chosen full and 12 cirt, are allowed to $n$ very firm mud sound: Mra, ; Milburn's Orient. Com.) (Lewis's Mut. GALIBANUM Orient. Com.)
Ital. gnlbano; Lat. Galbanum; ; Ger, muterrharz; species of gum resin obtnina; Arab. bnrzud). A plant imported from obtninied from nu auknown ot Good IIope, from Atrica, especinlly the Cown brought Hope, and from Syria ecinlly the Cinpe brought to this comutry from the Leversia. It is in coses or chests confanining from Levaut and India eneh. Ginlbanum usually nppear 100 to 300 lhs , masses composed of irregulars in the form of or yellowish tears about the size of a tish, reddish, less translueent, and genernily of a pen, more or of stalk, seeds, ur otherernlly mixed with pieces purified by straining. According to Lug.
Persian gallanum is receivel resin described as way of Astracan or Oreived in linssin by the nsed in that country Orenburg, and is the kind and is in masses of a redilishes enclosed in sking, whitish strenks of a redldish brown colour with odour, and nn nerid, bitter a strong, disngrecable Galbanum is used in ter taste.
copreia of the Merdical Connci), (British PharmaBache, United States Dispensatory) Wood nnd GALLIPOLI. A sen-pensutory.)
(uaples), prov. Lecce, on the enst shonth Italy Gulf of Taranto, on a rocky isst shore of the extremity of a narrow pocky islet at the west joined by $n$ bridge; lat. $40^{\circ} 3^{\prime}$, It is fortilici, has $n$ enstle, and is., long. $17^{\circ} 58^{\prime} \mathrm{E}$. 9,208 in 1861. It is the principal built. Pop. Meliterrancan for the shipnentipal port of the has, in consequence, a considerable of olive oil, and It is indebted for a considernble trade.
being situated in a country where oil partly to its the circumstest abundance, but more, peroduced the circumstance of the cisteros, more, perhaps, to stone rock on which cisteras, cut in the limepeculinrly well fitted for the town is built, being oil. They do not differ much preservation of the a common water tank. They in nppearance from the houses of the inhabitants, and are usually under the exception of a circuland arched over, with the oil is poured, and circular hole, into which drawn up. It w, and keep ingh which it is again indefinite period, and is matere cisterns for an only in clearness, but also in flavy improved, not oil is to be shipped, it iso in flavour. When the terns into uteri or skins, wha off from the cismen's backs to the skins, which are carried on filled, are conthe shore, where the casks, being [Olive On conveved in lighters to the shing into the Oil.] Of 23,690 tuns olive oil imphips. into the Uuited Kingdom in $1866,13,952$ tuns

## GALLS

GALLON
were from Naples and Sicily, and prineipally from t.i.ix purt.

Gallip,it has no hartour, hut a bay or roalstend S. li, of the tuwn. The latter las from lore, and fathoms water; bat it shonlt to waris shat come vessely of cunsiderathe burden shount he home shot of the within less than "t busket she shore moor with Thuse that come nearest to the share mont a -head their heals to the N.W. with to feet water. The and 2 a-stern in from for or leaving the roants is a omly danger in sutering of enace, nbent 500 yards blind rock at turir curfanec, N.N.L., trom the fort, it it is mot makkel by my 7 feet water; milnt be amployed by threignert. bnoy, pitots shemith beried on inside the bay, him A tumy tishery hit carricd oin Winds from ine $N$. the mots are ensily avoilet. sea.
and N.W. throw Wh from the town is the low, flat
About $\frac{12}{2}$ mile W. frum ser sad In Nuries's Sailing inlame of st. Andren. Medistrruncem, that there is a Directions for the Mediterrancen, tha a highthouse lighthense on this island; but, tho to ships making on it would be of creat service down in some of the port, and thougha it be lait down in sone such the charts of this sen, there even $n$ tower on the really exints, nor is there even inlands between island! There are some minhaul, 'there is teep St. Andrea and the mainhand e nearest islands, water between the former and the nearest isands, but not between the latter and the town. S . dangerou
Andrea. Weights, and Measures, - Those of Moneys, Naples, excepting in vats of 11 satme, 1 stanjo, loating is measured Gallinoli. The salmus of saples and 28 pighnatti of Gallypome, each weighing 1653 and Gailipuli ure the same, cane wiference is in the subdivision : viz.-

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Salma of Naples =2f Simia, or 3.00 Pignalt.
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\({ }_{7} 2 \mathrm{~S}\) sja of Galifuot \(=1\) Imp. tun.
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General Rewurbs,-Masters of vessels loading oil at Gallipoli are obliged to attend nt the mensurem.rist of the oil, and ingpect its quality. measuremers of their attendance from the shipper, They recee irges on board, 2 stija, or 2 per cent. free of at: ciarges on board, of for cevery 100 salme (Gallipoii measure)
their ves Lading fur a eargo of oil are merely Bills of Lading for a canf name, without any signed by the master withequently, allirms lor thi sort of cluase. Ile, conseche oil and casks. All quantity and quality of out in Italian.
bills of lading are mar Pt. Petersburg, the number,
In shipments lor tare, and gross and nett weight of each1 cask wh endorsed on the bils of nd both sides.
the master and shillper onding the master signs
Besides the bills liente, specifying that a sullireceipts in quadruplicente, se been supplied to the cient quantity of wood has beck cargo, and that he stowers for the stowage of her or empty casks for has received a certain number oil to them, should the purpose of transterrig during the voyage.
any lather receipt is signed by tho master statiug
Another has received the eustom-house cockets,
tiat he has rect to have been paid on his cargo.
The cockets are of service should the vessel put
into any other ltalian port.

The Port Charges, of a public nature, are fixel by the turill for the kinghom, But there apm neveral port charges of a private nature, mull isy pilotage, mooring, namooring, divelargan' od ballast, and watermen's of intupperter's athand. balast, There are only prit by furcign westo, or the Xempolitan traders require low plot, ind having bumeont crewa, they thow and mames
 suenking the language of the place, do mot requiro anintirpreter, and merely lave a permatanation ann intirp retting theic elearances from the lififout them in plom they bay by private arrangmens. othees, whomes for lititish vessels are-

Iflotage, eniering s.

Interprivern altewhance



Supplies and 1'rices of I'rerisions,-(iallipoli not a favourable place for obtaining sply whe if fresh provisions, and is without any sut for visions, exeept salted cod, herringh, pilchards, and anchovies.

\({ }^{\text {What }}\)
liseut must be ortered, and is iaferior. Ieutio enerally provide this article at Naples, where it is good and cheap.
is good and cher not abundunt at all seasish
Water. 'The supply for shipping is eopinanal xcellent, and is conveniently pat on but. (Geogrephica! Dictionary, aft. "Gullipeli', wia the anthorities there refiered to; and ralutia private information.)
GALLON. A measure of capacity, buth Gath liquid articles, containing 4 quarts. 5Gen. IV. c. 74, 'the Imperial galloa sadil betis standard measure of capacity, nad shall cod 10 lbs, avoirdupois weight of distiled wa 10 in air at the temperature of \(6 *\) weighedheit's thermometer, the baromete ke Fanren inches, or \(277 \cdot 274\) cubic iuches; and other mensures of capacity to be used, as meld wine, beer, ale, spirits, and all sorts of liquis? wine, beer, als, not measured by heapel mesa or ary goosived, computed, and ascertained to shall be derivend all measures shall be thea parts, or multiples, or certain proportions d parts, or mind standard gallon', 'The odd Eng callon wine measure, contained 231 cubicicins and the old Eng'ish gallon, ale measure, contu 282 cubic inches. Hence the Imperial gay about + larger than the old wiae gatlo, and \(\frac{1}{60}\) less than the old ale gallon. By the 6 gean c. 58 s .6 it is enacted that from and Jannary 6, 1826, whenever any gallon messum mentioned in any Act of Parliament reladice to excise, it shall be taken and Wer Wer gallon Imperial standard measure. (b and Measures. 7
GALLS or GALL-NUTS (Fr. galles, nio galle; Ger. gallapfel, gallus; Ital. galle qual Lat. EValæ; Arab. afis ; Hind. nd by the et maza). Excresecnces produces its its \(\mathrm{mg}^{1}\) of a small insect, wocies of oak (Quman tender shoots of a dit ia Asia Jliaor, srim \({ }^{\text {f }}\) ? toria, Linu.) abundant ia ans, and hare andro \&c

\section*{GALVES'ION}
bitter and intensely astrincent taste. Thes


 trak with a dinty fractum 'They rofte, ant In commerce by the nanies of whitey aro kuown l/w. The white galls are thone which green, null been gathered till atter the lusect lins inve not sar uit of the nilus and made lits esenne eaten its are not mo beary as the others, are of a llefieder molur, and to not fetch wo hich a price. The preen and bhe galls are gathered before the lnaeet ha encaped; they are heariec and darker than the former, and are said to ntluril abont one third more of colouringe matter.
ialls are of grent importane in the nrts, belng pery extasive if when dyeing, and in the mantificente ctink, if which they form one of the prin-
cimal ingredlents. They are the mound dind ingredlents. They nre tho most powerthl of al the regetable nstringents, and nre frequently hin hat enct im medicine.
The ascients reckoned the gall-mits of Syrin superist to feery other, and they still retain havir them Aleppo, Tripuili, Simurnn, nnuly exparted bruybth from the first cone chiefly from Mosul on be western bank of the 'ligris, about tem days Jerrey from Aleppo. The real Mosul gally ire uanuetionably the best of any; but all that are gathered in the surrounding country are sold umder this ame, Thoso from Caraminnin are of a very inferon quality: The galls met with in India are camied tatitce from P'ersia Ly Arabinn merchants Itisnomusual to dyo the whitish mall-mut blue in oflet to inereaso their value, pall-mut is bovereer, detected by the deeper blino tinge fratut athus imparted to them, and by their being pertated and lighter thnu the genuine blue galls. be lineed Kingdom. of there importell into be nited Kingdom. Of these, 7,01 ti cwt. came Sum Chins ind Japan; but theo qua lowlity of this te atrice as deco was low, the average valuo of Wadipetest. After these came the produce being farke, tica verage valuc of which we produce of seris Rerager valuc of which was 66.9 s .10 m . te price of pall ginls were worth \(51.14 s, 8 d\). he prince of galls appears to have risen very conban mork it ite years, In a former edition of 2004. 90. to 3148 , per that they were worth frien of lic chine, per ewt.: now, with the exfien of the Chinese galls, the price liardly falls
 mest sautherly of the United Stort of T'exas, 5. ed of the fong, low, narrow island at tho e mame, on the north sharo island of the zon, add en the channel forming the Gulf of betreat of Galveston, an eatensive inlet of tho betreea the N . side of the islnnd and the thand; lat. \(29016^{\prime} 37^{\prime \prime}\) N., loug. \(94^{\circ} 49^{\circ} 4^{\prime \prime}\) ' \(W\) lis, before the civil war, the population of tel ainee its alose 10,000 , but has grently inbin1807. these, and has been estimnted at M, issestimated by Texas, having been 604,2to ma, ,001, ico to by Mr. Aeting-Consul Barnes F bar outside \(1,200,000\) in 1867 .
to the Xi.E, ead of than harbour and bay, tronthe mainand the island and Point Mer at the highest springe, more than 132 thence the smaller el elnss of and but 10 fect 200 or 200 tons, are most vessels, or those of the port, as well as most suitable for the mer portson the \(N\) ns for that of almost nil viciececy of water beind E. sides of the Gulf, stle entrance to the all but universal. impeded by the dangerous accumulation
 may gh the land be low, the houses of Ginlvestou
 on reveral miles. Vesels drawing \(\&\) feet wrter
nud har nenrur than if thithome wer, not approbils the and making the signal for a pit withent heaving to attended to. Visaces draw a pinet which is promptly may approach the bar till thest than x fect water fathoms before heaviug the thater shoals to 4 port in the night shomidy in Varindst making the or tif futhoms; nut the holding intily anehor in 's cellent, those who ne holling ground beint excables have nothient well fomm in onehors nand stantly on the look to fear. Pilot boat a are connecount nttenplit crossing and alips shomld on no Lut a pilot out boars. In the har till they have from Is to 30 feet water. In the harthom there is ahout 3is miles trumer. The bay, which stretches miles from E. to W W. to S., and from 12 to 18 9 feet water, nnid is intersect fenerully more than has fet water, nnd is intersected by a bar: this har to vessels drnwing more than an to be dnugerous cept during a lifgh more than \(9 b\) feet of water, ex. 1. 24.) Several very consider (Kennety's Texas, embenchures in wery considerablo rivers have ine ir a considernes in the bay, so that the town has The greate articles of of internal navigation. and, indeed, from Texs of export from (inlyeston, cathlo and other stock, nre cotton, provisions, bullion from Mexico sc. tion consist principally of cotton artes of importafactured goods, hardware cotton and other manuand machinery, powrder andricultural implements
This traile hins tow and shot, salt, coal \&c. Iate yenrs. The exportsever, greatly incrensed of nimounted to \(2,00 \%, 420\) to foreign cointries in 18166 of this hesing cotton, 129 in value, nearly the whole amounted to 2,750, while tho exports const wise Wns cotton, and tho noxt of which the chief article Tho following was the in importance wool. articles between Jon. 1,1866 and price of sundry


1856, 150,000 hides 1,1805 , and September 1 25,630 bales of wool at an average \(2 z \mathrm{lbs}\), each 20,800 horned cattle were 500 lbs each, and Texan ports. Moneys.
The Unitcd Sights, and Measurcs same ns thos Shipping.-In 186. [NEw Yonk.]
23,220 tons, engared in thero were 92 vessels, of sels, of 447,755 enged in the foreign, and 1,283 vesof Galveston.

\section*{Charges on Supping in tie Ports of}

Tonnage Duty Texas.
any port of thy.-All sailing vessels entering place are che state from any foreign port or 0 cents per tgeable with a tomage dury of ccording to rerister steam boats with 30 cents, Eutrance,-Any
100 tons burden pays itip or vessel of less than 2) dols.
the above-mentioned ppectively:-

gas COMPANIES
Rus, grazatzoi kamen; Span, granadas). There are sereral varieties of this gem, of which those used in jewellery are the carbuncle, the cimamon atone, the alnaquine, and the pyrope or Bohemian
parnet. The chemical composition of the is silica and alumina, with protoxide of iron, the latter ia considerable quantity.
The term carbunele is applicd to garnets when theyate cut en cabochon, i, not in facets, but with a flit or hollow bave, and a smooth convex top.
The Syriau or Oriental garnet (so called from Sntian, the capital of \(\operatorname{Pegu}\) ) is brought from India, Pepu, Ceylon, and Brazil. The pyrope is found in Bhheuia and Saxony. Good carbuneles, large, free from spots, and pure, aro worth ns mueh as 9Me each. Bohemiaa gamets are worth mueh more
in austria than elsewhere, a neeklace of beads aboot the size of peas selling for 60t, (Emanuel On Diamonds, \&e. 2nd editioa.)
GAS COMPANIES. The term usually applied to designate the companies or associations es toblished in most large towns for lighting the strets and houses with gas.
Erey one must have remarked that most species of coal, when iguited, give out large quanrieding a great quantity of light as brillianey, beat. Dr. Clayton seems to have been the first whe stempted, about 1736 , to apply this gas to the pruposes of artificial illumination; but his cxperiments were upon a very small scale, and mo forther atteation was paid to the suiject and monerere, Sre Murdoch, of Soho, instituted a leugth, of juidiows experiments on the extraction of gas Nom cal: and, by his ingenuity and sagaeity, enereded in establishing one of the inost capital sporemeats ever made in the arts. Mr: Murdoch ribid, coareyed by pipes to a great distance vo the furnace where it was generated; and to it affords, by its slow combustion, when fored to escape through suall orifiees, a wean the per cent. of dividend payable ou the capital, and mape through small orifiees, a beau-

which stead high. This great discovery, the benefactors of mankind, was first rank among practice at Redruth, in Cornwall. In 1802 it was applied to light Mr. Murdoch's manufactory at sollo; in 1805 it was adopted by Messrs. Plilips
and Lee, of Manchester, great cotton mill; and is now lighting of their lighting of the streets, theatres employed in the buildings, factories de. of all the considerable and most of the small towns of the empire, and also in most considerable towns of the contineut Gas licrica, Australia de.
more to its peculiar softness, capid diffusion, not varying intensity, than to its comparats, and unhess. According to Dr. Thomsonarative cheapnrt. ' Gas Lights'), if we value the quantity of light given by 1 lb. of tallow in candles at 1 s., an more quantity of light from coal gas will not cost the cost of the formerg less than a fourth purt of

Oil and other er.
furnishing gas for the purpose of illumination, but none of them has answered so well as coal. Most of the oil gus establishments have been abandoned.
The construction of gas works on a large scale, and the carrying of pipes through the streets and into houses \&c., are very expensive, and require a lights in the of capital. Hence most of the gas stock companies. Many of the supplied by jointto be very profitable concerns.
The subjoined table contains
most important particulars connected ant of the principal gas companies, obtained under with the mentary authority in 1866. It shows the rates per 1,000 cubical feat charged for gas by the principal gas companies in the United Kingdom in 1865, with the amount of their capital at that date, the the price of coal per ton used by the companies.


639 leaves of tixy slands of the [Catecar? were \(12.4 t^{2}\) gutte; Ger. gry pan, guta gu jan, ruagr). 1 Pharmacopacia, \(s\) derived fron as procured in in drops. The e is rolted intit ared into the hollow iu the. was taken on
odia. When 0 in ether and ceous but is also tathartis, tue of which (Fr. grenais; granati; Lat

GAS COMPANIES

GENEVA (D
Gete, gand, gen Lat, juniperi aqu spint obtained b fied with the ad latter give to \(t\) or mich it is caid to render it who of genievere, \(t\) berr:
Bif far the bes where its manufact estent. Tho dist. been famous, and epernus condition. ately of spirit olt reurel with janipe diliked by the I while of the 'Sclic paily to the East proplace of the rlis
eximatel at 2,00 etimated at 2,00 exported. (Cloct, Pays Bas, p. 32.) In nothing, perbn
heary taxation b the trade of gene aper No. 248 , Sces ears ending with 17 nsumption in Grea 292 gallons, But
tics to 5 s.per gallo dpolitic measure \(w\) coinl period the arr
Eiptionamodnted to iptiopamodnted to
loos the duties flu as the taste for
as the duties on med in about the pation went on inc
rage of the 10 yean
t. This was the

Account of the amption in Grea mine of the ar miniped for


GENEVA
GENEVA (Dutch, genever; Fr. genievre; fort. gaud, genever; Ital. acqua di ginepro; Lat. juniperi aqua; Span. agua do encbro). A apint obtained by distillation from grain, rectified wih the addition of juniper berries. The hatlef give to the spirit that peculiar flavour hate which it is distinguished, and are also by t render it diuretic. Genern is a corrupsid to reader it de French term for the juniper bert:
If far the best geneva is made in Ilolland, where its manufncture is carried on to a very great atent. 'The distilleries of Schiedim hnve long hene fames, and are nt present in a very properams condition. Schielam genera is made spely of spirit obtnined from rye and barley, thavourn with juniper berries. It becomes milder, and sequires, as it gets old, an oily Havour dilitel by the Ilollanders: hence nearly the whate of the 'Schiedam' is exported, and principaily to the East Indies. The entire amual proulue of the distillery in IIollanc. las been etinutell at \(2,000,000\) ankers, or \(20,500,000\) wine gallons, of which about two-thirds are exprted. (Cloct, Description Giographique des
Pay Bas, p. 32.)
In nothing, perhaps, has the destructive effect Cheary taxation been so strongly exhibited as the trade of geneva. It appears from the Purl. uper Xo. 248 , Sess, 1826, that during the ten cars ending with 1786 , when the duty on geneva os about l03. per wine gallon, the average annual onsumption in Great Britain amounted to about 0,392 gallons, But in 1786 Mr . Pitt reduced the sies to 3 ., per gallon; and the effect of this wise dpolitic measure was such, that in the next depuial period the average imports for home conmpition amounted to 444,891 gallons. From 1796 1 1805 the duties fluctuated from 7 ss .6 d . to \(\mathbf{1 4 s}\). as the taste for geneva had been formed, os the duties on other spirits had been insed in about the same proportion, the conprion went oa increasing, having been, at an eaye of the 10 years, as high as 724,351 gallons mar. This was the maximum of consumption.

GENOA
Mr. Vansittart soon after began his inauspicious career, and immediately raised the duty from 14 s . to 20s. \(8 d\). , the consequence of this increase being, that in the 10 years ending with 1816 the average consumption amounted to only \(2 \mathbf{i} 2,898\) gallons. Since then the thities contiaued stationary down to 18.16 at 22s. 10d. the Imperial gallon on an article which might have been bouglit in bond for 3 s , id , or 4 s , Gd . The duties on rum and l3ritish spirits having been afterwards materially relucel, the consumption of geneva went on progressively diminishing, till it amounted, as appears from the suljoined officinl statement, in 1813 , to no more than 13,913 gallons; being only one fifty-third part of what it amounted to during the 10 years ending with 1806 . The estimated value in bond for all the geneva imported in 1865 was 1s. 81/d. per gallon.
To make any lengthened commentary on such statements would be useless. Our poliey, it we mny apply this term to so revolting a display of short-sighted rapacity, had no other effect thai to lessen the public revenue and enjoyment of the people, to injuro our trade with Holland, and to foster and promote the ruinous and destructive practice of smuggliag. The exorbitant daties on genevi, brandy, ar 1 tobacco led to the formation of the coast guard and the preventive water guard, costing togethe: for many years about 360,000 . per annum ; and yet, notwithstanding this outlay and notwithstanding the innumerable penalties and punishments to which he is exposed, the trade of the smuggler was not put down, but continued, on the contrary, in a peculiarly flourishing condition.

At lengti., in 1846, Sir Robert Peel did for geneva what he did for brandy, that is, he reduced the duty from 22 s .10 d . to 15 s . per gallon. In 1860 a uniform customs duty of 10 s . 5 d . was lail on Foreign spirits, so as to equal in amount the exeise duty on British spirits: this wise measure has hnd the best effect, as will be seen from the subjoined table.

The regulations as to the importation \&c. of geneva are similar to those affecting Brasdy.

Account of the Number of Gallons (Imperial Measure) of Geneva Entered for Home Con-
 Proire of the Duty, in certain Years since 1826.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Quantlies \\
retained for llome Conzumption
\end{tabular}} & \multicolumn{3}{|c|}{Nett Produce of Duty} & \multicolumn{2}{|l|}{Rates of Duty per Imperial Gallon} \\
\hline & Sriuin & Irelond & United Kingdom & Britain & Ireiand & United Klngdom & Great Brilain & Ireland \\
\hline & imperal. &  &  &  & \({ }_{2,3}\) & 87, \({ }^{\boldsymbol{\varepsilon}} \mathbf{8}\) &  &  \\
\hline \% \({ }^{3}\) &  &  &  &  &  & Si, & & \\
\hline 1 & 1,4,005 & 1,218 & 15,421 & \({ }^{6,3,38}\) & 1,591 & 12, \({ }^{283}\) & \(1 \overline{2}^{1} 10\) & \({ }_{1} \overline{2} 10\) \\
\hline 4 & 37,598 & 2,493 & 39,883 & 28,463 & 1,930 & 30,303 & \(\left\{\begin{array}{llll}\text { Ln March } 19 \\ \text { Lrom March } & \text { is } & 1 & 1 \\ \hline\end{array}\right.\) & \(\begin{array}{llll}1 & 2 & & 10 \\ 0 & 15 & 0\end{array}\) \\
\hline 5 & \({ }_{40,541}^{2(1,191}\) & \(\underset{\substack{2,7,713 \\ 2,06}}{ }\) & \(\underset{\substack{28,800 \\ 88,2,3}}{\substack{\text { a }}}\) & \(19,65 \%\)
19,145 & (1,935 & \begin{tabular}{l}
21,607 \\
81,180 \\
\hline 1,
\end{tabular} & 0 [50 & \(0{ }^{15} 0\) \\
\hline , & , & 2, & (17, & - & - & 退 210,446 & July 17, 1860 0, 0 & こ \\
\hline
\end{tabular}
10.L. A maritime city of Italy, once the of the famous republic of that name, now oviuce of the kingdom of Italy, at the bot the extensive gulf to which it gives \(\mathrm{i}: 3\) the light-house being it: lat. \(44^{\circ} 24^{\prime} 18^{\prime \prime}\) \(8^{\circ} 54^{\prime} 24^{\prime \prime}\) E. Population, in 1862, Genos is one of the finest cities of In general the streets are inconvebatrow; but some of the principal ones arately wide, and consist almost entirely buiddings, and private palaces crected ee period of her prosperity. Being built ring ground, in the form of an amplithe appearance of the town from the sea
is most magnificent, and justifies the epithet given to her of ia Superba.

Port.-The harbour is semicircular, the liameter being about 1,000 fathoms. It is artificial, being formed by 2 gigantic moles having opposite directions. That on the east side, called the old mole (molo recchio), projects from the centre of the city W. by S. It is about 260 fnthoms in length, and has a battery near its midille. The new mole (molo nuovo), on the opposite sade of the port, adjoins the sonthen extremity of the suburb of St. Pietro d'Arena, projecting about 210 fathoms from the shore in an E.S.E. direction. The heads of the moles bear from eacb other N.E. by E., and S.W. T'T
poor dividend. It is no longer need as a place of
liy W., the distance between them, forming the entragce to the harbour, beinf aboat on the west The light-house is vithout of a point of land, and side, near the the bottom of the new mole. It is a lofty square tover; and as it stauds on a high rock, and is painted white, it is visible in elear weather at a great distance. There is also a har-bour-light, formeriy at the exm lengthened 80 feet, mole; thit as this nole has doubt be moved farther the harbour-lise the danger to vessels entering at out, on wonld be great. There is no dillienity in entering the harbour; the gromm is clean, and there is aplenty of water, particularly on the sile next the new mole: care, to give the light-honso in coming from the Noderate sized merehantmen point a good oner inside the old mole contignous to the perto franco, or bonded warehonses, having a hawser made fast to the mole, and an anchor ahead. Men of war and the largest class of merchantmen may anchor inside the new mole, but they must not come too near the shore. Ships sometimes anchor without the harbour in from to to 20 farthoms, the hight-hous W, winds oceasion distant 2 or 3 miles. The 5 is clay, and holds a heary swell, but the bote 2 rather \({ }^{\text {chathew basins }}\) well. Within the tows and small trading vessels. There is also an arsenal.

Money.-Accounts were formerly kept at Genoa in lire of 20 soldi, each soldo containing 12 denari, and moncy was divided into banco and fuori di banco. lut since January 1, 18:27, the ancient method of reckoning has ceased, and accounts rre now kept in lire Italiane, dividsd into cents. Sisely weight and fineness of the nev; so that the par of the same as those of France, if estimated in silexchange \(=25 \cdot 20\) lire per \(1.25 \cdot 5\) if estimated in ver at 5 s. \(2 d\). per ounce, 6 old lire di banco are silver at 5 s , per one very vearls. (Manuel de equal to 5 nen The Monetary Convention of Nelkenbrecher, 1895 , concluded hetween France, Belgium, Switzerland, and laly willno doubtnflect the murcantile accounts of Italy in process of time.

Wights and Measures.- Those formerly in use in Genoa are described in the previous cditions of this work. In 1847 the French system of weights and measures was introduced, the only being the substitution of Italilogramme) \(=2 \cdot 2 \mathrm{lbs}\). Thus, the chilogramma (kmas being very nearly aroirdupois ( 503.3 eliliggranois); the libbra (livre), equal to 112 lbs . avoirthp \(=1 \cdot 1 \mathrm{lb}\). avoirdupois; or pound \(=\frac{1}{2}\) chilogramma \(=1\) redweight \(=220\) lbs. the quintale centinayo, or atitro (heetolitre) liquid avordupos; ; and tiallons; ditto dry measure measure \(=22\) imperhels; the metro (metre) \(=39.37\) \(=2 \frac{3}{3}\) imperial busmo 0 oil \(=59 \frac{1}{3}\) chilogrammas \(=\) inches de. A ballons. All tares of usage were 143 imperial same time that the French metrical system was introduced.

The Bank of Genoa, or of St. Gcorge, was one of the most ancient and celebrated banks of circulation and deposit in Europe. Until 1r40, when the bank was pillaged by the of exchange was customary to make all in banco; but since drawn upon Genoa payable made payable in then they have generally 1800 , when the French money fuori di banco. Gen by the lustrians, they were besieged in of the bank to pay their troops. The establishment has never recovered from this blow; some warchouses and a part of the town's
18.4 a new bank was established in (icana, a nev bank was establa bank that had bemy united 'Turin in 18.17 , has the tive of Hauk (thace Nazionule). Its capital ta to \(32,000,000\) lite, in shares of 1,000 lite It is anthorised to issue notes of the valte \(0,500,250,100,40,25,10\), and 5 life. The tof its noter in circulation and deltsparalite and were down to 1866 limited to 3 times mount of the coin in its cutlers, But the that year led mufortunately to the intor of on inconvertible paper eurency. The diseounts mercanile paper, and transus ds of ordinary banking business, it ha es at Turin and other places.
crount of the Quantities and Computed loduas Principal Articles the Produce of Sardin' cluding the 1sland) Imported into the lnith tingdoin in 1865-66.
Klngdom in
Articles

Trade \&c.-Genoa is the entrepit oi aif tent of conntry; and her commeree, thy ferior to what it once was, is rery cons and lans latterly been increasing. She port ; that is, a port where goods may housed and exported iree of duty. ports consist partly of the raw prodacts jacent ee ntry, such as olive oil (an great value and importance), rice, hemp, rags, argol \&c.; partly of the prow manufacturing industry, suel as silk and velvets (for the production of whim long been famous), thrown silk, paper. \(\therefore\) unarile, alabaster, coral de: the pria of Switzeiland, and the other produ country and of the westemp parts of intended for the south of Europe and and partly of the varions foreiga prodo by sea sud placed in porto franco. principally consist of cotton, cotton yarn, iroll and hardware, linens \(\frac{14}{}\) machinery, conper, coals de, from E ton wool, mostly from lgypt; on Black Sea, Sicily, and Barbarty; coffee, cochincal, and indigo; hides; cipally from Spain), wax de. Corn lipoli oil, cotton, valonia, sponge, g? products of the countries adjoing rined by fermentatio (British pharmac
: Wood and Bacl GA ir JERUPIG nel fiom Portugal, thiuf 105 gall) of \(t\) cout 105 gall.) of \(1 t\)
Consul Johaston to ank that had as the tille of Its capital of 1.000 lite 3 of the valus ad slite. The 1 debtspayald itad to 3 time lues. But the \(y\) to the infry curcency. Tha and tramia asiness, it h puted Tahues luce of Sardini 1 into the Caite Conpuat胥 635
142
1421
\(9 \times 1\) 141
951
2,64 \(2,4,98\)
\(00+351\)

\section*{GENTIAN}

Sirlly, the Levant \&e. may in general be had here, has hat GIBRALTAR
thayeg not ia so great nbundance as at Leghorn. of had a very beneficial influ
bonse fees formerly charged on the custom- tion of raw particularly as regards on the trado cods through Genon and the Sardivine transit of as whil raw cotton for Switzerls the impwrt? dcoumt of the Qurutitics ald drownt of the Qumutitics and Declared I
future of the United Kingdom Exported to Sardinia (including the the Produce and Munu-
 senou in 1865 and 1866.
stituents bein 25 degs. over proof, the other con stituents beiug colouring anà sweetene other conof unfermented grape juice. But the g matters of spirits and the description of the proportion greclients which enter into it of the other inwhich are sometimes of a very composition, and vary very widely in different a very nous character, however, geropiga may be said to bles. Generally, and high coloured. Besides to bostroug, sweet, port, slierry, and other wines being mised with rarious beverages, esper wines, it is substituted in for spirits and surgr enecially in the United States or \(\mathrm{T}_{\text {wo }}\) on Portgar. Mr. Forrester in 1 states, or 2 wo on Port Wine, states thater, in \(A\) Word This sugnar is used in making ceropir treacle This villanous compound is ing geropiga. portel at the same duty as winowed to be improof spirits in it do not as wine, provided the quarticy. It is also exceed 33 per cent, of it the bonded walso permitted to be m. of its the same proportions relative tocks with wine in brandy; that is, wh relatively to its strengeth as of the latter, is, when it is only half the strength and the latter, double the quantity may berength and 80 on.
This license has been much, and as we
justly objected to. There can of conrse be think, compound perhaps no good objectionse be mo compounding of wines in Pood objection, to the be supposed that the fin Portugal. But it may tho shops of the dealers are for adulteration in without legitimating the prece quite enough, It is difficult, indeed, to practice in the docks be served by this indulsee what purpose can exeuse and facilitate the gence, unless it be to Geropiga being confounded ission of fraud. brandy, and here with wine, the in Dortugal with from the former and imported quantity exported not easily ascertained. (For anto the latter is on the adulteration of (Fort a curious discussion referred to Mr. Secretary wines, the reader is July 6, 1867, and to Mr. Lyton's Repart of remarks thereon in to Mr. Consul Crawfurl's 1868.)

GHEE. [Butten.]
session of Great Britain, ne fortress, in the posextremity of Spain, and contiguous sonthernmost

т \(\mathbf{r} 2\) contiguous to the narrow-

\section*{gibraltar}
ext part of the strait，to which it gives its name， joining the Atlantic and \(12^{\prime \prime} \mathrm{W}\)
\(36^{\circ} 6^{\circ} 30^{\prime \prime} \mathrm{N}\) ．，long， \(5^{\circ} 21^{\prime} 12^{\prime \prime}\) W of a rocky moun－
It is situated on the west side Calpe of the anl－ tain or promontory，the the sea，in a southerly cients，projecting into the sea，from \(\frac{s}{}\) to \(\frac{3}{}\) of direction，about 3 miles，being from extremity of vile in width．The southernmost exts northern the rock is called Earopa Point．Its noth it with side，fronting the isthmus which and wholly in Spain，is almost perpendicular，and are so rugged aecessible；the east and southr any attack npon and precipitous as to render any，next to im－ them，even if they wonly on the west side， possible；so that where the rock declines to the fronting the bay，where that it can be attacked sea and the town is built，thatess．Here，however， with the least chance of success． the strength of the fortifications，ant the fortress nitude of the batteries，are such，that the attacked seems to be impregnable，emmand of the sea． \(1 t\) by an enemy having the com 1704，but the fortiti－ was taken by the English in 170t，what they are cations were then very inferior to the American at present．Towards the end of the Ame arma－ war it was attacked by a most and France；but ment fitted out joint jope and the bravery of the the strength of the place and the combined garrison defented all the efforts of the exclusive of powers．Populaith usually amount，in time of the troops，which
peace，to about 3,000 ．
The bay of Gibraltar is spaciongerous winds， protected from all the moro dhips．Two moles affords a convenient station for ship．Inse，for the have been eonstructed at \(a\) vast old mole projects protection of the shipping．Town，N．W．Dy N． from the north end of the new mole is \(1 \frac{1}{3}\) mile 1，100 feet into the sea：the outwards about 700 more to the south，extending outwe shore，and in tect：it has an elbow formed inside；the farthest winter large vessels anchoms．The accompany－ out in from 5 to 6 fatho idea of the position ing plan gives a better the Straits，than could of Giluraltar，as well，as of description．It is taken be derived from any descriptiful chart of the from Captain
Mediterranean．\(P\) Political Inportance \＆c．－Gibraltar is
Trade，erable consequence as a commercial of considerable consequer，subjert，to no dutic

and few restrictions，she Values of the Principal Articles the Produce aad Jar Account of the Quantities and Declared Values of the Principal Articles 1863－1866，
Account of factures of the United Kingdon．Exported to Gibralar Declared Real Vitu
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Artuces} & \multicolumn{4}{|c|}{Quantitles} & 1863 & 1861 & 1865 & \\
\hline & 1863 & 1861 & 186 & & & \(\underline{L}\) & 2968 & 501 \\
\hline & & & & 9，906 & & 3， 3,339 & \({ }^{3}\) & \\
\hline －\({ }_{\text {parel }}\) and habexdashery balue & －7，549 & 11，356 & 10，463 & 2， 6,69 & 110 & 17， 48.326 & 30， \(0^{3}\) & \\
\hline Apparel and hater ： & 3，7，3， & & 91，647 & 75，2：23 & & & 2，35 & \\
\hline Bnatar Cinders，and cuim tons & 89，75 & & & 5895 & 3，606 & \({ }_{2}^{1,173}\) & 10，199 & ． \\
\hline Coais，cinders，and amd un－cwts． & 773 & & 138，3， 30 & 80,047
19,942560 & 4i7，640 & 41， 4.159 & \％i， & \％ \\
\hline Copper， \(\begin{gathered}\text { wrupht } \\ \text { chay }\end{gathered}\) & 19，241，299 \({ }^{4,59}\) & 15，361，406 & 19，403，\({ }^{\text {a }}\) & 19，992，560 &  & \(\underset{\substack{59,11,268 \\ 4,248}}{ }\) & 3，\({ }^{2}\) & \\
\hline Cuton yarn－\({ }^{\text {a }}\)－ & \(19,2{ }^{-}\) & ＝ & 二 & & 5，80 & & 20，35 & \\
\hline Cottors，ener ni value \({ }^{\text {a }}\)－＂， & & & & 3，402 & 31，881 & \({ }_{3}^{28,1,058}\) & & \\
\hline Earthenwares and iliariwares and cutery，unemu－cwts． & \({ }^{7}, 046\) & 5，914 & 2．1535 & 2，193，318 & 149，650 & \({ }_{\substack{18,8,43 \\ 45,52}}\) & 19，49 & 30 \\
\hline Harimerated in and unwrought tons & 2，851， 3 ， 4 ¢7 & 3，014，6，63 & 2，350，614 & 2，724，516 & 48，5419 & \({ }^{6} 5\) &  & \\
\hline  & 1，123，525 & \(\xrightarrow{\text { 957，690 }}\) & & 二 & 42865 & \(\underset{\substack{16,599}}{14,465}\) & 13， 610 & \\
\hline Linens entered by the yard ：value & & & \(\overline{-9,315}^{\text {－}}\) & －6，512 & 17，6199 & \％ & \({ }_{3} 613\) & \\
\hline Sikk manufactures ：\％cwis． & 9，748 & & & \[
\overline{2,517}
\] & 4，515 & ，TuT & & \\
\hline Surgar，retined \(\quad \therefore \quad\) ralue & 89， & & & & & & 106713 & \\
\hline Woulcu and worked yarn yad & & & & 1，686，416 & \({ }^{145,488} 1\) & 12， 9.14 & \({ }^{6} \mathbf{6} \times 2\) & 员 \\
\hline Woillens ente those formerly \({ }^{\text {（including }}\) ．yards & 2，528，869 & 2，120， & － & － & 128，019 & \(\frac{103,46}{1,406,168}\) & & \\
\hline entered by the plece entered at value ：value & 二 & & & & T，267，900 & & & \\
\hline All other articies & & & & & & & & \\
\hline
\end{tabular}

\section*{e current dollar being estimated at 3 hard} dollars \(=2 \mathrm{~s} .102 \mathrm{~d}\) ．Reals and quarts of bith hard and current dollars are the same，being，the Cormer \(=4 \frac{1}{3} d\) ．，and the latter \(=1 \frac{1}{12} d\) ．

Accounts are kept in current dollars（pesio）， divided into 8 reals of 16 quartos each；：\(:\) reals currency make a cob or hard dollas，t？ which goods are bought and sold；and 3 of thete reals are considered equal to 5 Spanish rals vellon．

Gibraltar draws on London in effective dolita of 12 reals，and London on Gibraltar in cura： dollars of 8 reals．

The exchange of Gibraltar on Cadiz，and eter ities of Spain，is in hard dollars，at a perentagh which varies considerably，and mostly in faroud
and Measures are those of Englest Weights and Measures are thase orgish grins excepting the fonega， 5 of which make 1 lis sold by the fanega， 5 is sold by the gala chester quarter；wine to 109.4 Eaglish mis

Port Dues.alterd the por at (iibraltar, w the subjoined st
N.B.The engine roo in the lonnales.) further duty wlas çurantine; of Totry doy fif trery visit
P enty day
in uperintending the
guatioline * Prentry endorsemeut on

Gild or GCILD.
manuacturers, whe ranies are denomina cill. A measu asd Ste.surnes.]
(iN. English gen
kraizel frum oats, b widitlled, with the a 1 turpatine \({ }^{1} \mathrm{e}\). Ingland and most of Moredinto England asoffectication, E It mow wholesume GINGELLI OLL. GISGER (Ger. ing gempe: Ital. zenze n: Rus inlir; Lat
; Arab.ziagebeel).'
Mimiletr, Nat. Orde
ea a atire of the Eas
chas carly carried
be life lndies. Aft ane wected, scrapel, rimprat care, Tr etite iffrior roots, sfrue heture being fingr, Preserved pigen roots, or the weroung and full of theppeting them in
inime a thin srrup, Intu the jars in who srap pared over calaramatic odour, poned in bays, cach fite brings the hig and better flav ns of goolluess in b adres or the being and irmness ; tl wher or very fria Whe The lest pre - att it should be e Rstring. (Britis) semprion of ging Dexts a-rear. the chat high duti dom to i8f:2. I Tale9? the durtices Eicts. of raw in in the year 18 dine cit the Wes this produce was

\section*{GILD}

Port Dues, - An Order in Council, June \(5,18: 8\)
atered the port dues payable on at Gibraltar, which aro now levied vessels arriving the subjoined schedule:- \(\quad\) levied according to

For erery resel from

dndin midituen to each of the toregolng inctucter
cuaranuine, of then the shlp or sessel is liables, to
fitendyhel satendance by a health guard when 2 co

in every day's attendance liy \(n\) bealth guard
in wiertintending the ulischay 0
tivinutine :
Precery bill oc heatio:
frevtry endotsement on a bill of health : \(\quad: \begin{array}{lll}y & 0 & 0 \\ 1 & 1 & 0 \\ 1 & 0 & 0\end{array}\)
anuficturecs, whenee thempany of merchants or prins ate denominated Gild or Guils of such counCillL, A measure of car Ginidd IIalls. LsD Jlescrises.]
Gil. English geneva, or cin is [GLonts Mabied ffund oats, barley, or malt, rectitied spirit disililed with the addition of junit, rectiticed or - turpemine de. All spirits mannfuctures, oil chand wost of the seoteh and Irishet tired in mundeinto Linglaud, are subjected to and spirits Wsum meticatioun. Euglish ginected to the pro-

peathe: Itall zenzero; ; Span. jelpejibre, Pr: has intir; Lat. ziugpan. jelujibre, agen; Atab, zingectoel). The roots of a plas. zungeZimider, Wat. Order \(S_{\text {citaminece or }}\) rot (Amom anatire of the East Indics and Chingibor4is Wist anly carried to and succeeds vina, but pellit Indies. Atter the roots are sery well meketed, scrapelt, waslicel, and are dur, the mitgmat carc. This is called wer wited in the (thidifior roots, which are seathe ginger; Friertefore being driel, are scalded in formeri lreservel ginger is made themated tementrots, or the roots taken by sealdmitroang and full of sap, till they ure when fripo a thing then in cold water, and are tenditothe jains strup, from which and putting Wrap peared over which they come to us, are Wrpp purcd over them. Dried gingei and
 Mele in bagy, each chootuining giting taste. t and hetter flavest priee, being more mad better flavoured. price, being more edsersor or the being both froce from dried pringer and itrmess; the pieces that arin tioles, Qul, The tey friable and fibroure small, at: it the bestel preserved ginger is should vit ifeteting be chosen of \(a\) ger is nearly d, vjectingt that which of a bright yefNamplion (Britisi Pharmacopaia, I 8 (t). Worisana areal, Thise did not formerly ex. theton high That Thises was most probiably Wman I8 I 2 ? Abid on fircign, inese were reduced in Gitwieduties wers entin. on colonial cinithe rear ginger imported ealed. Minin the rear 1866 ging the imported into dnueo the West India Isclands amount duprodice was high, its Islands. The
31. 8s. per cwit GLASS
11. 8 s. Considerable that of Bengal and 0 6.i
from Sierra I Leone o quantities werc and Pega was was interlor, and, though here argin so imported priced ginger and the price 11. 19 sain the qualit. Ceylon, enger was that of fombing, The highest cevi. In the average value of whany; Madras, and civ. In tho same vear 184,550 of was whe . 5 , is. per
giuger were entere Which came entered for home consus, of preseried a dury of 1 d . per China. 1 reserverl finh, most of is West Indian. The best and hinger bears GINSENG:
giusens; Ger. (Dutel, pinsence priced Simo.jinseng ; Craftwerzel, pinseng, pinsem; Fr. The root of a smpull cese, yansam; ; Ital. ginseng; 1.jun., Nat. Orler playit (Panax Puint. orhota). Tartary, nnal several Aralicea) zrowiug puintefolium, The later is what we parts of North A China, and is an artiele of we genernily see in Americu. ouly market. morted from this Large quautities were which is its. direct to China this comitr: but it is formerly extimes exported by the Americans now carried claritied. It lias berc, aryed sometimes is somelaya mountains, becn diseovered ines cured or thence sent to Cund small quantities the llimanot succeeded Canton; but fuantities havo beell century that it it is only- withe speculation has to China. Previously to be sent from present supplies from Previously the chint from America brought aut the wilds of 'Tartares and thew the ir virtues of ginseng exitant price. artary the rout is quoted at an once credited in me medicinal Mumphrey Clinher) anrmous price in Sinand (it fiuseng sells in the aro wholly price in smollete's Todols. per picul, and cinton market at from Crule In 1852 there werp werd prepared at from at from 60 to China 158,455 were sent from tho United it itates 8 dols. (Papers laid before Ginseng, valued at 102,0
GLASS (Ger Congress, January 102,073 dols. verre; It 1. . (Ger. and Ditch, 1 , Lhas 1, 1853.) Lat. vitrum). Vetro; Span. vidrio; Rlas Fr. vilre, It is formed Lrausparent, lrittle; Russ, steklo, siliceous earth, as mixing together some factivs buly: an alkali, surch, as tine sand, or pounded soort of sulbjecting them to soda, potash, or pounded fint, with they aro melted into strong heat. By thish, nad mass, that mer mo a transparent, by this means Whes, bent and when hot, be formed into thens When cool, it becomped in every possibto thim Glass. Litharge, minium britle, and is is denome way of mangunarese, minium, berax, the blaminated facture of glass, accordometimes used in the oxide it is to be applied. Specifically plied.
In material andl an is a salt of silica, composed of a flux is to facilitate the fusion of potass, or lime. being gencrally to sone kinds of these materine This gencrally lead.
lief
kinds of glass, this flux: class (the funds of
disk, the latter being blown in trown and sheet spread glass, later in that of a in the form of a glass, aud bottlow nearly disused erguder); broad or contains lead, to thass. Of these, flint glass, plate material. The soft amount of 33 per celass conly instruments is moft glass manufactured cent. of the leuses of this made with the preated for optical 1. Historical Nanstace being exceatest carc, lare The manufacture of rices mith respecect to Gly eostly. est benuty and utility glass is one of the very thess.we are indebted for this. It is most provalile highfor tho gift of letters wonderful art as in that cording to Pliny (Hist, Nut the thonicians.
glass had are near had been made for malt. lib, xxxvi. Ac cia. The mouth of the smally river ages, of sand founci cia. The legend, as told by himer iselus in Phoun-

\section*{ghass}
G. 16 ship laden with nitre (fossil alkali) of a merchant ship pieces of it to support the kettes having used some preces had mado on the sand, placed on the thed to see pieces formed of waro surprised to ar inglass. This was astuta tranducent substance, niacture. Ingenuity (astita clent hint for the manias immediately at work, ctent ingeniosa solertia) was thans happily suggested. improve the process thas came to be allied, llence the magnetical stone camo only iron, but trom an idea that it cont clear pebbles, shells, and roms. They also weed cos is said to be formed of ghass. ind sand. Indian ghass is sati thecount noted as fossil sand. erystal, and is on that if this bo a correct native erystal, am other. but if this age of pliny, sulperior to ef the glass of India in glass be int now deseription of very much; ladian glans at present, it has fallen oft very moat is made. At present abont the very worst ture it of fragments an article the llindoos mam, and impure soda- particularly glass, guarre in many parts of India, pat that they fomb native The furnaces are so biass. (llamilin the sonth. The common bottle ghass. (ftina cannot melt our coni. p. 370 .) The giass of eth very ton's Mysore. whan that of Jimia, tho ician glass, acis much to that of Europe. inforith light dry wood, cording to L'liuy, was prepured withled, the hast being to which copper and nitre were add. It was oceasionto whiplly brought from Ophir. Sometimes it principald with difierent colours. by being blown, ally tinged with the desired shape by weine blomewas brought to the deing ground win a lathe, ond he adds, sometimes by being give like silver. Sidon, he there times it was embessis manfacture. In l'liny's time, was fanons for the first invented. In linys sand from the that mirrors mado in Italy, of Lacrine bay.
fhore between Cume and the Rome into varions Glass was manufactured at home ornament. Pliny articles of convenience 6,000 sesterees ( 50,000 . mentions that Nero fave according to the each hiving 2 hamilles. fizese, for 2 glass cups. hare been of an inmen was then in howerer, must hare of exquisite for drinking veeself, ant keep wine. common the form of bottles ind lib. iv. 8 ti .)
(Mart. Hpig, lib. ii. 22, 40 , and lib. iv. 8 i.) There is no antheosly to the third or fourth cenin windows previond for lonf atter, it was In tury; and then, and other public buildings. of the only in charch, even solate as the lare met with. In this country, glass was very rarely in 1573 , it is Githe entur, Alnwick Castle, made in winds, the a survey of Alnwense throwe extreme why lord's stated: 'And, becawes of this and other my docay glasse of the honses here in the country le leights of casthes wate, yt vere good the whole his lorlshippe everio windowe, at the departure of his and houses, from lyinge at any of his lis lordship's absence, or and dowring the time of were taken doune and hade others lyinge in them, were the time as alher his up in safety: Ande other sholde lye at any uppe of * lordsbippe or anie otme might then be set uppe of said places, the same mige, whereas now the decaye newe, with sina verie costlic and chat be xii.) Sir F. therevrell.' (North. Moush. Book, xrass windows rep. Eden thinks it probable that os in lingland were not introduced into tarmhots 1 . They are were bo before the reign of much before a lease in 1615, in a patis 1661 , the mentioned in scotland, however, as late wes were not folk. In scothana, country honses wer those in windows of only the upper parts of even those ing the king's palaces had glass; the pleasure, and admit two wooden shutters,
the fresh air. time? (mesaentury '(wer in Has mult ue op bomper that nome of time of the teal of cha-y sement-1; l, 81) 'fuse thes ard do fund, cher laws is num d, damp clim s a nectssiry 1 meftul of has said y some forthi int to prolu solid and to light of the he wind: hilosopher to lim at one ematerialer is suborlinati \(t\) more impo ature, and Thes was hone was ment of lis and confert easures; be plate nathre, fambler, Xo xcetled all yut was sulb: annufacture bit it was to the six or looking in \(16 i 3\), at the British .73 , when it cad, near Sh acture was France, wh ur plate glas: venhealy, sunerior to

3ohemian d in 1802, 38,0 wing to aded the prod were empluy many preci mnually pr apeople empl and the rat mental pury lave beea from all tax public exis ble limits, an e injurious. 011 W
ofte of in the taxiug of glass in the
Le doties on it having been carriedt to a must ! Had it been impossible otherwise \(6 \notin\)



 "howh these surts of glase way leansmmption proved cture would have been ine time that the yen in lag, when the dhey was fors it hat but. pewt the prouresy of it was only \(3!{ }^{2}\) s, wh I wedutios sines \(\mid 81,3\) is ext mambicture nind ate


 riedo not know when benctey were repealed from administrition, the whith

 sout than that which exinteds b wider door descriptionsed elteapmess, and improved qualit!:

 smem and that in no inconsider farther fior the int fulde obins trum the faciliteone still aterng the operations of the manule degree, sepuctetly fion luction of improwe tacilitics it gives prenting them from making culacturers, reluen tor ameliorating thements, and cone mavencents, and introducing uexperincuts adnimber the cost of one of the fabric as well ay trapect the duties were especievprocesses. A mast re the prombets of are mond uscful and maur one aequaintel with hecing injurious. in the art remarkable fill in price hay hustry.
 ar weto fully justified in expressin Excise in 186 of thom crown glass was weal of the dut

 athan this duty on yless.' sound principles of The (I868) be got for :2a. . per tisot in 18.1., cais facture
crionsly to the abolition of the mann-

\section*{Dute}
at extabiting the Quantities of the differcnt Descriptions of Glass Mrien Whes ge. (Obtained from the Excise.) Quantitues lixported, the luates uned during



GLASS
0.48 048 the Rates of Duty on Glass in 1818, with the Qwantilief of each Kind nf
 18:2, both inctudes, nilterutions.


Exports and Impurts of Gluss.-In \(18: 6,47,671\) square feet ur rough one polis exported; ;5r, the United States ; 91.2 glass, chiefly to the dited sidy to Aastali fect of looking glass, chienman cheet ewts. of window and German ents, cwts. of coloured ges customer being. bottles, the largest ; 20,436 cwts. of oriamene 1 fi67 evts. of be of plain flint bottles; 1, fios cirss of ewts. of clandeliers. The deflareul ewts.
these articles of British manufactur Ks these artice argregate conmun ghas \(b\)
to which arg tribute 378,3951 .

In the same year \(2=2,392\) crtsto of the window class, 31,576 ewts. nt eut glass, 28,972 evts. of plaia niars

 bottles, factured glass, were imported. They facturse imports was 713,20 2n, of these imports Belgium. There is coming from holaion. of wine bottly in cnormous importation on win which is likely to increase glear heo which is in wood and bottle harebr
on wine in

Stained \(⺊\) flass is extensivern is lartely employed in place inate
nirminghan, and
worship,

\section*{aLOVES}
whivet to those hrma which manufacture a large

popfollowing is an abstract of thino pow for the 12 years eneling with the exports of
\begin{tabular}{|c|c|c|c|}
\hline Ine & Fliat & Windew & \\
\hline w & cwis & & \\
\hline 明 &  &  & \({ }^{\text {sum，}}\) \\
\hline （10y & 89，\({ }^{\text {du4 }}\) & \％6，\({ }^{\text {\％}}\) & S77，\％\％ \\
\hline ｜wid & \％9，31］ & \％ 8.6 .6197 & 6\％1，\({ }^{\text {S }}\) \\
\hline （4） & \％o，\({ }^{\text {a }}\) & 3，3，3\％ & \({ }^{649} 912\) \\
\hline 年 &  & 6，\({ }^{3} 178\) & Stis， \\
\hline （4） & y， & S4， 318
31,179 & \({ }^{\text {and }}\) \\
\hline \％ &  & Sus， &  \\
\hline & & 4．3．al & \％ 18.1 .100 \\
\hline
\end{tabular}
lerill thus be seen，that though the export
4x items bant muctuntions in quantity，exports that the last in is very considernb lyantity，the suich precede this tnble， avie incrense took place in tho ev，a cun－ con wotrele glass，On the other the exjurts of onf fereim plass were sixfold in lit，the im－ thate of 1850.
OOPES（Ger，hanulschuhe；Fr，pant ； u；：Pan．，guantes：Russ，rut gants；Itnl． govizi）．Well－known rarticwizii，perts－ he werering the hauds articles of dross 3 tut frequently also of cotton made of be leather used in the cotton，wool，silk is not，properly speaking，manufacture of Sby a peculiar process thint renined，but win．some sorts of leather clicers it soft washed，and others not．\({ }^{\text {gioves admit }}\) mester，but particuinrly th．Woodstock dor the manufacture the former，are tior quality，in which a leather gloves ved girls，as well ns men ant number of Hocester and Wreod men，are employed． und Leeminster are the pron，London，Yoyovil， at glove manufacture principal seats of tho obtain any trustworthy is however， ens produced．Gloves accounts of machinery；but this ilos are sometimes he fork by rendering tho stite only to nuidistait，ds it is the stitches more want．Limerick used to cheaper than mure of a sort of lused to bo frinous for tres．iarte quautities floves，called Nottingham nnd 1 ies of cotton gloves of Repeal of Prol Leicester．
mportation of leather aion of Importn－
Probilitecd，nouther gloves and mitts wohilition had ader the soverest penal－ manetition hall the effect，by prevent－ dectition and emulation with ine the wires of mprovement，nind of reluler e．This system infer in quality and thine till 1825 ，whas，however，per－ and gloves were an the prohibition monent of duties whilowed to be im－ Bibitory．This meas，though high， d，and many predictione was velie－ wo of the minnufacture were made per iostances，experies；but in this， had not been exprience has shown， 6．The whollcsome mally benefited whacturers now folt tompetition to Pposed，made the admitted on all exort all their ruprovement in the shats there

GOLD
Hhring the dozen yenrn nfier the trato 64 pent of the previlous half century：trato was opened fivelga the jimport ilutiea our impere the re－ ＂early four the cluses lins greauly importathon of years ngo，Int as freat as ihut rucreasel，being
 of lenther atatement，we hmported npiear frome tho
 that of other coume import is chiefly troner pmir important．On the conses being compurnatin France， leather plowes of the other hamemparatively un tho average valu Hritish manke were paits of of the imported article
Lenther \(G\)

the C＇uited Silaythom in Esprithorted from


Of cifton gloves we exportal
The Fryy to the United States 315,180 pairs in importont li glove inouuraetes，
iuclutles 22．4 difleres of industry in the the most seats aro l＇aris，Grent sizes of clowe that comatry， Chmunemt，Luneville，Gre，Mithat，Niovt，The chici are malo in Paris
Enclish Paris．
with Fruice and have not successfully to sendus，and even Germany is nomy compoted the articles me quantities of ieathew beginniug senils three of cotton nat Lisle glores gloves．In England，and fur of those now（iscis） custom，and for export hnow（1808）sold in custom of the United Start has nearly the whole
Free trade lias enabled unghnm nnel Leicester） merchnadise hase，but us to buy nad sell forerer）． almost exting bere，but at the snme sell foreign with us． Mr，Míundella，of this industry
of this to the fact that in sham，attributes much operntives are so muat in Snxony and Prussin the ery sober ame industrious． GOLD（Ger．potrious．
Swed，guld ；Fr．or ；Itnl Dutch，goud ；Dan．nnd
 Arab．tibr nud zelhel；；Pol．zloto；Lat，；Port． the most precious of nil the swarna；Malay aurum； beon known from the nll the metals，scemay，mats）， an orange－red or reddish－voll nntiquity．It is of no perceptible taste or reldish－yellow colour，and is of able，yielding onty to smell．Its lustre is consider ver，and nuercur－to that of platinum stensider－ Its specitic gravity it is rather softer stecl．sil－ equal to it ind devity is 193 ．No Nofter than silver． be beaten out into duty and malle other sility of gold will cover inenves so thin，that It may leaves are only cover \(56 \neq\) square thin，that 1 prain Ieaf with which \(\frac{1}{2 p} \frac{1}{200}\) inch thick．inches，Theso of that thiekness．An wilve is covered has only gold
\(\frac{3}{12}\)

GOTTENBURG
is capable of heing extended more than 1,300 miles in length．Its tenacity is considerable． though in this respect it yiehts to iron，copper， platilum，and silver．From the expe 0.078 ineh seekingen，it appeas that gorting a weight of in dinmeter is． \(1 t\) 150.07 lis，an of Wedrwood＇s pyrometer．When melts at＂assumes a hrirht bluish green colour． It expands in the aet of fusion，and consequently contracts while beeoming solid more than most metals，a circumstance which renders it less proper for casting in moulds．（Thomson＇s Chemistry．）

A considerable quantity of leaf gold is imported into Great britain．in ised，valued at 97,500 ． leaves the quantities of gold produced，and the laces where it is producel，sec linecuous Mer．us． GOMU＇l or jo，100．A species of pahm （Arenga stceharifera），growing ahmudantly in Singapore and lenaug，and in the Indian Arehi－ pelago．

A valuable fibrons product is obtained from this palun，resembling black horse－hair：it is found be－ weed．the trunk and branches，at the insertion of the latter，in a matted form，interspersed with long， hard，woody twigs of the sane colomed by the freed from the latter，it is manutactronger and natives into cordage．Its fibres are thoso of the more durable，but less pis］，and are，therefore， cocoa mith or cond tanding rigging，but less tit for ruming ricring．The native shipping of the bastern islands of all himls are chietly equipped with cordage of the gommti，and the largest bure－ pean shipping in the ludies use cables of it．It undergoes no preparation hut that of spinning and twisting；no materia similation of hempen cort－ indispensable to the pres a substance that，in a age，beime derre，possesses the quality of resist－ ing alternations of heat and moisture．The go－ muti of Amboyia and the other Spice Islands is the best．That of Java has a coarse，ligncous tibre． Gomuti is generally sold in twisted slireds or yarns，often as low as 1 dollar per pied，ind selplied more than 2．Were Europenn ing ，here seems to the improvement of this rendered more exten－ tittle doubt（arshe East．Arehip．vol．iii． sively usefur．（Cyracopedia of Southern India．） p． \(420 ;\) Balfonrs CAPE OFF．［Cale Town．］ GOONENBURG，or，more properly，GO＇LIA－ BORG，on the south－west coast of Sweden，at the head of a tiord near the Kattegat，which receives the river Gïtha，lat． \(57^{\circ} 42^{\prime} 4^{\prime \prime}\) N．，long． \(11^{\circ} 57^{\prime}\) \(45^{\prime \prime}\) E．Population in 1803，41，08．the river or not come close to the city，but the shore，gools harbour at a shor cind to them by lishters that being the town is intersected．The depth of water in the port is 17 feet，and there is no tide，bar，or shallow．\(\Lambda\) vessel entering the Götha must take a pilot on board，whose duty it is to meet her \(\frac{1}{3}\) ． league west of Wingo Beacon．After Stockholm， Gottenburg has the most extensive commerce of any town in Sweden．Iron and steel，the former excellent，hut the latter inferior to that made in lingland，form the principal articles of export． They are brought from the rich mines of werme－ land，distant about 200 miles；being the Trill－ partly by the Lake Weuer，party bartly by the river hetta Canal［Canals］，irou in 1847 amounted in all to 27,447 tons．The origival cost of iron is supposed to be increased about 5 per cent．by
anpense of its converance to Gottenbur；：and hipping charges，inclusive of the export duty， out 10 per cent．alditionnl．The next trat of export is timber，particularly deal： are al：o furnished by Wermelani．Tha of the Goitha Canal，by whim Gottentur： inates with a large portion of the int ring en，has exercised a powerful nod henetivind ace over her commerce．The hailway ho Stockholm and Gotteuburg，now（1－ip omplete，will otill farther promote the ing of the latter．She carries on an estom ade with England，and Euglinh is buncraly rstood．Steancers run once a－weels betres enburg and lhall，and between lonidn at cuburs once a fortnight，for 8 montion of but in winter the intercourse with Fingla up by the tedious ronte of libiteti ： lamburg．
arring Fishery．－Gottenburrs uscl．at nod out perion，to be one of the primepal seats of herring lishery．In 1801 the export was＂． 9 barrels．In 1808 and 1809 tivh were very in 1812 they entirely disarpeared，and thithertos returned：so that Gottenbure， fexporting，at ！

The following is an account of the veselst rived at and left Gottenburs in the fire ending with 1806．Sweden has an exte arrying trade：－
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multirow{4}{*}{Vear} & \multicolumn{5}{|c|}{Arrivals} \\
\hline & \multicolumn{2}{|c|}{linitish} & \multicolumn{2}{|r|}{Foreign} & \(T\) \\
\hline & & & Ships & Tons & Ships \\
\hline & ships & Tons & & －－． & \\
\hline & 266 & 6．3，819 & 1，719 & 200，45 & 1.95 \\
\hline 1898 & 267 & 70,903 & 1，5\％ & 289，26 & ＋2，\({ }_{1}^{1.94}\) \\
\hline 1863 & 218 & 6 \(61+207\) & 1，760 & 2， \(2,5,5 \times 2\) & 1， \(4_{5,11}\) \\
\hline 1891 &  & 72，024 & 1，\({ }_{1} 16\) & 2， 4,560 & 1， \(4,0.7\) \\
\hline 1865 & 481 & 99，5930 & 1，396 & 2550003 & 4，\({ }^{\text {a }}\) \\
\hline 3，60 & & & Vep & pristures & \\
\hline & & & & 190，\％\({ }^{(1+1)}\) & 1，52！ \\
\hline 1862 & 255 & 61,578
71.687 & 1， 1,515 & 200，481 & 1.940 \\
\hline \(1 \times 63\) & 274 & （19， 9113 & 1，4，s & 23645？ & 1,03 \\
\hline 1stis & 217 & 73，659 & 1， 16 & 256 & 1，815 \\
\hline 186\％ & 2611
281 & \％ 99.590 & 1.551 & 1 2゙2．， & 1，55 \\
\hline
\end{tabular}

The principal imports into Gottenty coffee，cotton，herrings，sugar \＆c．Itsey ron，timber，denls，and oats；morethan the deals and nearly all the oats going Britain．

11 centner or 100 Swelli，h llust \(=9 ;\) lis．aroith \(12 \frac{n}{10}\) ，cubic feet \(=8\) hashis．

The following is an approximate the total valuo of the imports into for the tive years 1862 to 1864 ，viz：\(:-\)
\begin{tabular}{|c|c|c|}
\hline Sear & \[
\begin{aligned}
& \text { In } \\
& \text { Iritish Ships }
\end{aligned}
\] & \[
{ }_{\text {Foreign }}^{\text {In }} \text { Stipn }
\] \\
\hline & \(\stackrel{\text { ¢ }}{ }\) & \({ }_{1,1065000}^{\text {¢ }}\) \\
\hline 185.2 & 445,000
479,000 & \(1,161,09\) \\
\hline 1863 & 512000 & 1，68， 0000 \\
\hline 186 & 76， 6000 &  \\
\hline 18651866 & 809，591］ & 1， 8 \\
\hline
\end{tabular}

In 1864 the merchant marine mis of 11，223 aylastes burden．
Approximate Estinate of the Erpos tenburg for the Fire Yars liou
\begin{tabular}{|c|c|c|}
\hline Year & \({ }_{\text {British }}^{\text {In }}\) Stips & \({ }_{\text {Forcign }} \stackrel{\text { Io }}{ }\) \\
\hline & & 855，\({ }_{\text {f }}\) \\
\hline 1862 & 313,500
\(433,8.50\) & 8ST， 100 \\
\hline 3863 & 4313700 &  \\
\hline 186 & 4．57，500 & \＄9，500 \\
\hline 1865 & ： 89.500 & \\
\hline
\end{tabular}

Gottendurg
Cinparatire Statement of the Quantities of the Principal Articles of Import for the same Periol, viz. :
Artires


Lon- The total shipments of iron from Gotten-

(rithis irme, the greatest part was exported to phated Kingtom and the United States. Hind-Caclusive of other sorts, the exports Whak, deals, and battens from Gottenburg in
\begin{tabular}{|c|c|c|}
\hline  & & \\
\hline Stiomm & : & \\
\hline  & & \\
\hline Qhac untries & & \\
\hline Total & & \\
\hline
\end{tabular}

Cavmandonse Rergulations and Port Charges, aring in port, 10 person is allowed to board * who, laving inspected the manty of tho tisid them to the Custom-house. and giappointed to superintend tho unloading cowte loading. The public charges of all tons exed of 300 tons burideign ship not fing mixed cargoes at Guriden, unloading a the firmer, 24l. 5 s. Fit.; on tho latter aid On a privileged foreign ship the Fare the same as on a Swedish ship.
Friwsing System.- Goods may be bonded fem for the first on paying \(\frac{1}{2}\) per cent. If therefter.
ission, Credit \(\$ e\).-The usual rate of combisper cent. Goods are commonly sold fi: tar sugar at 9 months, with 3 months, tothe seller; other goods at 3, 4, and 6
Th fe-There are no publie or private ctidilishments at Gottenburg for the isputs b but the national bank has two
methich adrance limited sums of mone (unt, on the seeurity of goods, and in disbills, Some of the English insuramee * hare ayents here, who do a good deal
rat Irater fe,-These may be had here read quity and cheap: beef \(1 \frac{1}{2} d\). per 1 lb . Frights, per ilb, and butter 6d. per lb. LI
Hing this artiole, we Lave made use of seres in the North of Europe, rol. iv. bi; Mr, Consul Eingstrom's Report,
Dits OF. [Excianges]
(Ger.trabben; Fr. raisins; Ital. grap; frapa, produced racimos; Lat. urae). A nut, produced from the vine.
peco of the great facilities afforled and stemmnimation between countries pacially grapes, havigon, the import of midaly bustapess, has greatly increased. AI Kinglom, chicifly from Spain and

Portugal. The hiphest priced were thuse of spain, Falued on an averago at 2ess. Efl. per brishel. There is no duty on fresh grapes.
The graples grown in (irat Britain in the luscious are mush smaller, and loy he means so raised in hothouses are quite equal, if not superior, to the latter. tirapes are imported not only in which natural state, but dried and preserred, Rinsins. hatter state they are denominated
(illNDSTONES. Flat circular stones of ditferent dianeters and thickuess, monnted on spindles or axles, mat made to revolve with diflerent degrees of veloeity, emploved to polish sted articles, to
give ande to cutting instruments stones not in constant nise are comen de. tirindby winch handles; but at Shenlield aithened phaces where polished articles and cutiery ather extensively manufactured, large numbers of grindstones, being mounted in buildings appropriat ed turued purpose, ealled grind or blade mills, are power being best suited to form water or steam, The stone sharp-grit ; it being chosen finer or coar is called a according to the purposes for which they grained destined. The principal prindstone quarry in England is at Gateshead Fell, in the comnty of bers, nom, where they are produced in vast numto all mats for home ise, but for exportation pally in use at shetheld world. But those princiWickersley, in Yorkshire are mostly quarried at They are classed in e foots, according to their eight different sizes called lowing table:- their dimensions, as in the fol-
\begin{tabular}{c|c|c|c} 
\\
\hline Denominations & & \\
\hline Diameter & Thickness & No. In a Chaldron \\
\hline
\end{tabular}

A prindstone foot is 8 inches: the size is found Thy nding the diameter and thickness together. making together 56 inches diameter by 8 thick, 8 inches each foot. 4 inches, is an 8-foot stone, of Besides the above sizes, grindstones are made, when ordered, of any intermediate dimensions: many are made much larger than any of the above 14 or 15 ine as large as 76 inches dinmeter, and cubic foot weighing 1 cwt. 1 gr. 14 lbs. Weight, (hees's Cyclopadia; Bailey's Survey of Durham, p. 43.) Grinding is an umealthy and dangerous cmployment. For some purposes the stones are made to revolve with an extreme degree of velocity, which makes them oceasionally fly in pieces. But the greatest annoyance to which the particles of stone, and of iron inaling the minute always flying about, particuland steel, that are termed dry grinding. Contrivine the process suggested for obviating this serious incomave been

\section*{GUANO}

\section*{GUAIACUM}
but whether it be owing to their unsuitabieness, or the carelessness of the work (Treatise on them has suceeeded in princtice. ( p . 293.) thems has steel, Lardner's Cuclopardia, P. Fr . ravac, Irum and Steef, 1 ar LIGNUM VITE (Fr. gayac, GUAIACUM or Lockhaln: Ital. guajaco; , at. bois saint; Ger. pockian; Span. guayaco). The gaaiacum, lignum vite ; span. gica, Inyti, and wood of a tree, a native orica
he warmer parts of Americh, growing to from
It is a dark-looking evergreen, grown to 18 inches to 50 feet in height, nnd from 14 to 18 ime and in diameter. The bark is hard, smoots, and brittle: the wood is externally rellowish, anum internally of a blackisth hrown collow. whe we internal
vite is the weightiest timber whing 1.333 . It is vitre is the its specific gravity being yors. It can nequainted, is , and difficult to work. rcan exceedingly hart, and ans into pieces like a stone, hardly be split, but breaks is full of a resinons juice or crystallised meta. . (guaiac), which prevents on of against lecay. Its into it, and renders it proof age very best timber weight and hardness make it the very sestmirably for stampers nnd mallets; and it is admina niy adanted for the sheaves or pulleess of blocks, it is extensively for friction rollers or castors.

\section*{used by tutners.}

The guniac or gum, spontmeonsly exudes from the tree, and concretes in very pure tears. in ing imported in casks or mats ; the former coss than 1 importe 1 to 4 cwt ., the latter generally less than cwt. each. Its colour differs chand partly greenpartly brownish, partly reddish, ameen when left sh; and it always becomes ben air. It has a exposed to the light in the open and breaks with certain degree of transphen pounded, it emits a a vitroous fracture. When las scareely any a pensant, balsamic smell, but has it excites a taste, although whea swallowed When hented, it burning sensation in the same time a pretty strong melts, diffusing at the same tic gravity is 1.229 . fragrant odour. Its specific graviedye; Thom(Vraget. Sul., Lib. of
on's Chemistry; \&c. No (the Peruvian term for
GUANO or HUANO (the Peruvian term ford on manure). A substance used ns a mast of Peru and certain small islands off the coare of the mainBolivia, and on parts of the shore or to powder; land. It is friable, and easily rectuced dirty white, its colour varies from \(\AA\) dull rad a fat, unctuous fiel. and it has a strong smeneinh from 50 to 60 lbs . per at an average it may weigh from the first, or one of bushel. Ilumboldt was either the fibstance was the tirst, by whom this importans described at a brought to Burope; but it was (Voyage au Perou, i. much earlier date by Uloa (Voyage au Peron, 481), and has been used as a manure by the Jery tyl), , from the age of the Incas cownwards. very rians from cpinions have been entertained as to its ditterent epimionsin, but there is no longer nuy nature nad origin, bitated, it consists of the doubt that, as Ulloa staites which are found in excrements of the sea-biong the Peruvian and excrodigious swarms all along the localities where the deposit Bronvian shores. The localities where the rainless is principally met with being withitity of which region, it is accumulated with a rapano very different we have no idea. Guano is o the preference to re hities: some authorities give the ped to be more quane whitish varieties, which are believede acording to recent, while others prefer the red. Accosd by 100 Klaproth, a quantity of geano represented by 100 contained-urate of ammonine 123 do., silica 4 of lime 10 do., oxalnte or sand 28 do., and water, do., common salt t do., sanater, \(28 \frac{1}{3}\) do.; but its organic and combund to differ very materially. composition is foum which contains the greatest The best is that whi proportion of amuevia.

There can, however, be wind doult that guano most efficient manure, and that nloout? 24 cwt. jer acre of neerage guano mixed mo \(2 \sqrt{3}\) ewt. per ards the usunl quantity of farm-ry nbout two-thich is required to keep the siill will produce, when applied to land that isw min produce, double the ordiaary quantity drance, nenry touip husbandry, spleadid in potatoes. In by the ngency of guano only: aro produccd from 4 to 5 cm . per nere shadis in this case it has also a powerfal intuenee in aptuled. It has also a corn and the pasture fullo proving crops The effect of gunne is rery 5 such crops. rialy ingenle depth as soon as it is laid on the considerablessing is certainly the most wa and top-dressing it can be applied. (Prime way in which is in fact, the most valus formation.) It is, in wach circumstances manures; and under to eorn the prolable comes of importance to learn the prohisbles of the deposit, and the price at which itw imported and sold in Burope.
Untertunately, our iaformation on both points is less complete than mitely expy After it commenced this and other foreign eoantries, an apht began to gain ground in Periu whally ess would in no very long time the ruin of theie and as this wous of Peru, and the deqath along the coast wich ganuo is extensiver Arequipn, in which guano has beea called a manure, Gorestrophe be prohibiting it avert this certheless, well convineed We are, neve is in great measure unforu apprehension is cuano is principalty dia present (cha Laulls, opposite to Pisco The in about lat. \(13^{\circ} 25^{\prime} \mathrm{S}\), and \({ }_{30^{\prime}} \mathrm{W}\), and the Lobos Jslands, opposit \(30^{\prime}\) W., and Upper Feru, lat. \(5^{\circ}\) to bayeque, in Upper in addition to the ong. \(81^{\circ}\) W. But in these islands, veryugue, and otherp Pavellon de Y aper and Lower Pern. the coastituted, the estimates of the mulated in these deposits differ very on the whole, we have no difficulty in the conclusion that the estimates cont paper on this subject publisted at in are the most to be depended on (ras published in papers on Guano, 做 betore Parliament in 18:2): and tis following results, viz: 7,921,407 tons, those of the Chi \(7,92,4000\) do nud those of the \(18,250,000\) a, 853,086 do., makius tiberal sst supposing that muder a were to amount to 400,000 or 5 , 1 here is a supply that would that for for nearly 70, and in the one the years. But it is stated are gratly that the const deposits al that wei the above estimate; and that the adjacent rocks and ishadds pen from \(6^{\circ}\) to \(23^{\circ} \mathrm{S}\). lat., many mone certainly be mct with; and hene clude that for practical purpos guano may be said to be all but
The islands where the guaxo minhabited except by those shipment, it would, but for the Government, cost nothing sare putting it on board and the en the Governments of P'eru and so little aware of the value ofturn their duty to their consstur that they sold in 1839 to prim
time, Allier, and wiod dollars), th terus of nine ye beir power to the article! T sous to be allow
a by the Peru mound of enol conce of the ral conceded. For ras comparati 300 wero impor monopoly systen ngibbs and Sc afor the Peruria grorters of guan wholesale price, Fot a while this
42 per cent, dis. to 13l. per ton; fixed at 121 , per t States. But th and furnish one of the abuse of tory of commer the uecessary co ard freight to bese items is os ton ; and taking 2. 10 s. or \(4 l .10 s .1\) its price here s . We should not Government layi ren a high duty o
orted; and with
rascously importe
per ton, Under
imports would 3 cargoes could importation of o ment for ship
bup price at whic by extending it benefit of ngricu] the present artificia as is sometimes \(t\) gat, to import ey are not perm dead weight on

vas imported in 18 5, and 6,156 from. untrics other tha lor prices, that imports in 186 tee at \(2,109,5060\). perhnps be sur ites of guano have 1863 becing the 1863 being 31,6
thereon \(3 \overline{0}, 3929\) ved in manuring xads of Murcia been mostly sen dif; but recently \(t\) fort it on their ow tc, and have estab

\section*{GUANO} guano mixed w antity of farmer keep the soil low \(o\) land that is m rdiunry guantitr dry, splendid at of guano only: per sere show raul influence in he pasture fulton guano is very ; covered up to it is laid on the y the most \(w\) applied. (Primal the most value circumstances it the probable: ce at which it
cation on both han might be d e largely expos ntries, ali appreb Peris that the d e be wholly exhs the ruin of those and the departs is extensively as been calleil prohibiting its ell convinced ty measure unfora principally obtain rise posit to stands, opposite \(u\), lat. \(5^{0}\) to 3 addition to the -ge quantities a le, and other po I Lower Peru, mates of the gu sits differ very no difficulty in estimates contr mblished at ling epenited on (tram on Guano, pp. 1852): and t z.: -The coos e of the Chin those of the 10 in all \(27,024,46\) a liberal sate 10,000 or 5 in ting would last io the other for ted in the par its are growth and that were and islands pe t., many more ith; and hence tical purpose to be all bat re the guano pt by those \(d\), but for the nothing sase rod and the fred of Peru and 8 of Peru and the value of \(t\) cir constituent 1839 to private
imallicr, and Co. of Lima), for a mere trifle GUAYAQUIL hew dollars), the sole right to ship mere trifle tum of nine years; so that these parties had the artie! This contract price they pleased bus to be allowed to continue, however, too why he the Peruvian Goverume, and was canground of enormous public lesion 18:11, on croce of the value of the provide len, hand of conceded. For some time privilege that had te ms comparatively free, and later this the duo were imported in 1844 and quantities mapoly system has been and 1845. But a Gibbs and Sons, of Londonain revived. 30 Got the Peruvian Government, who aet as jupoters of guano. They sell it are now the rroiesule price, whether freight at the same Fora while this price was \(9 /\) be high or 4. per cent, dis.; but it was subs. per ton, to 131 per ton; and since subsequently fixed at 121, per ton, both herne 18058 has 4 Slates. But these prices are and in the and furnish one of the most quite exoof the abuse of monopoly to be flaring indory of commerce. Being a be found in the uecessary cost of guano is gratuitous atari freight to the destined port of its wee items is estimated at fro med. The kn; and taking it at 20 s , and add to 2.10s. or fl. 10s. per ton for the and adding ,its price here should not he freight to a. We should not, howe exceed 5 , or Government laying a reason object to the rena high duty of 30 s, per ton e duty of creel; and with such par ton on guano ingeously imported and duty it might pert on. Under a free system at 61.10 s . imports would be fee system of this un cargoes could bo vastly increased. wat of America, or when obtained from importation of guano freights were loment for shipuano would furnish lar price at which it and the com by extending its it would then be bebefeft of agriculture, contribute as benefit of agriculture as of shipippiag. sis sometimes the plan, if the agents eft to import an ease, by the lowte are not permitted to tally large ing it at a reduced rate realise a a dead weight on their hate, so that

Quantities of Guano Imported into and be of good quality. We subjoin an may

for, and 6,150 in 1866, 109,142 tons suntrics other than Peru sold at
leer prices, that e imports, in that of Chili being Comports in 1867 amounted to \(2,109.5061\) ill perhaps bo
the of guano haverised to learn into Spain ; have of late years \(1863^{3}\) being the value of the treen \(3 \overline{70}, 392\) re, 31,970 reals, weed in manuring rales. It is minds of Murcia an ing the hivertas, been mostly sent and Valencia. wd; but mostly sent at recently the \(\boldsymbol{P}\). port it on their own Peruvians try, and have eatable account to
of the 10 Years ending Exported from the
proportionally lessens ears.
ts in subsequent gain by throwing the trade in would, we believe, we do no rt duty like that sung guano open under that do not know that any suggested above; and to our agriculture more likely to prove could be devised ing out of such a and shipping than rantageons effect an arran plan. Perhaps the the carrypurchase one or mont of this sort we ot way to he Peruvian or more of the Groat would be to should perversely decline nt; and if the from or to modify the de line to agree to the latter question of her rig h present monopoly such sale, deposits, and to right to appropriate system, the participation to deprive others of such valuable participation in their advantars of any equitable force itself on the public attention, may, perhaps, be the case, it will probably anion. Should snell, claim of the Peruvians ably be found that such sion of the Guano Is ans to the exclusive pot the kind, and that islands is of a very que posses improbably that in grasping at all, they questionable Lobes de se all
nearest point Afucra is fully 50 miles from the too much for a \(G\) mainland; and it seems rat the without nothing Government like that or rather mercantile yr others from or a warlike fleet, to pretence either of a from an uncrirying away the pretend to hinder from an unoccupied ray the dung of wild birds Guano territories,
however, as the present to bystulterated. So long, plain that genuine pent system lasts, it is quite, 122 sold by retail in limited peruvian guano cannot be 12l. 15s. or \(13 l\), per ton. quantities for less than Lately or the per ten.
rather declined; the for Peruvian guano has
toured manures being higher class of manuf ac
Nor cereals, grasses, not only cheaper, but bet
No guano has grasses, and root crops.
to that fro has ever been in crops
rainless region Peru; and unless it at all equal for otherwise the is worth comparative from a most valuable the ammoniacal salts well little; wholly valuable portion, are sits, which are its Wholly washed portion, are either which are its
Guano is tout by the rains. partially or wallows is found in the rains.
and otb, pigeons, bats eaves frequented by United subjoin an each
in -1
kilogrammes sere its sale. In 1863, \(\mathbf{3 0 , 5 1 4 , 0 6 9}\) nearly 40,000 tons.
By an ans imported, amounting to
15,1854 , 2, 1866 , their arrangement and Parr of is, now 804 , has been modified of duty, admitted into France Peruvian guans of duty, and the price of the under all taps free 1,000 felonies is fixed at 300 article in France (in force for fives. By the newness per ton of guano in Europe years), if the arrangement diminished, the markets shall be ie price of by France the price of 300 fran es be increased or lowered. shall be proportionate per ton fixed GUAYAQUIL A
Equator, \(A\) and. city and port of
Equator, on the western and port of Ecuador,

\section*{GUM ARABIC}

GUERNSEY
651 \(6.511^{\prime \prime} \mathrm{s}\). long. \(79^{\circ} 43^{\prime} \mathrm{W}\). Population ant. 20 it 25,000 . The town is situated on the 7 estimated the river of the same nar a leagues from banks of the river Isla Verde, or 9 leagazazuil leagues from the isha the Gulf of Guayaquin, the Isla Puna, in the the river. Ships bound the erposite to the mouth of the rall at the Isla Puina, opposite to thuil generally call at the chad, who cary them or Gere expert pilots may be had, who carry ing to where the town by nighit or by day, accordins, of 1864 vessels, of up the state of the tides. In \(1864,2,23\), 2 vess valued the state on entered the port with eatros, eleared, \(51,2.28\) tons, while 203, of 53,51 . The town is having cargoes valued at are of wood, and it has old; but as the houses are of wood, and
old; Lut as thaturs of our Imports of the Principal Artielcs of Prodece of Account of the Quantities and Valuss of our Imports of the \(\begin{gathered}\text { Ecudor in the Years 1863-66. }\end{gathered}\)
frequently suffered from fires, much of it is comparatively modern, and has a yood appearance. There is a dry dock on the south bank of the river, Thero is aeral ships of a superior construtina where severailt. The major portion of the merhave been built. N now (1868) comes in the British chandise importanama.
steamers viatrict in which Guayaquil is situated The district a priud formed a part of the uas for a long per. Like the other south republic of beuado. been subjected to perpewAmerican states, revolutions, but Guayayail has ally recurring revontinued to cojoy a consida notwithstandin
able commerce.
 some extent deelined, consequent on the net dextrine or artificial gum. standing the increase eded, the imports oi \(8=\) Statement showing the Value of the Imports Years Statement Exports from Gutyaquil and Exports
cnding with \(18 ن 7\).


Its principal article of export is cocoa, of which Its principaias are shipped; and nest, orchella large quants, bark, india-rubber, articles of import straw hats, \&e. The principal ars, woollens, and weed, British manufactured cotton, (Irr. Vice-Consul hardware, silks, wine, thour \&e. (and Parl. Papers.) hardware, Report of Feb. 1868 ; amliar reculations to Smiths RepNEY, For the peculiar Gersey, Jersey

GUERNed in trading with exportatron. he observed in tition and Exportas. In Com-
 GUMS, term gum is not only applied to gums meree, the term gu, but also to resins and gamproperly so though these substances sufficiently resins. distinct.

Gum is a thick, transparent fluid that issuas
I. Gum unty from certain species fruit, as plum spontanearly such as produce sery adhesive, and particularry trees. It is very the atmosphere. andadually hardens by exposure to the at, like tears, gradually hardens is usually obtained in small pieces, like tears, It is ustely hard and somewhat briunding to a moderately it call be reduced by porless; but it fine powder. When pure, it is ce; it is not deshas commonly a yellowisht no snell; its taste is has co lustre; it has 1.3161 to insipid; its specilic gravity valles water, but is in1.4517 ; it readily dissolves in water, Gum is extensively used in soluble in alcobol. Gin calico printing, to give the arts, particularly colouril, and to hinder them consistence to the colouri, ased in painting, in the from spreading. ink, in medicine, confectionare has to
manuficture of ink, importance of gim has
The commercial

Gum Scnegal is tho produce of another species of acacia, called in Egypt 'Tullach' or 'I'ulch.' It \(i=\) found in many parts of Africa and Asia. In the Ergptian dependencies, the Tullach grows abadautly Eat of the Nile, in the provinces of Sennawr and Taka.
The entire produce of this species of rum, whel mav be estimated at 30,000 cantars of 100 whel may in bags manufactured from hark, vià the Nile and the liel Sea, to Cairo, where it is burbt for the European markets at an average prise of 18 s. per cantar. Whent pure, gum price of is of a dark reddish colour, opaque, and is found arlicring to the branelies of the trees, from which it exudes in hard rlobules, from \(\frac{1}{4}\) nin inch to 3 inches in diameter.

Gum senegal, as wilt be inferred from its value, is much inferior in quality to gum arabic.
frum senegal is imported from the west coast Ifrica, especially from two kinds of acncin, alled in the native lanaruage vercek and nebuel. . This larte masses, and generally of a darker colour than true gum arabic. There is generally a sliselt limeness in this kind of gum. Its chief use is in the arts, and it is frequently substituted for gum arabic.
Gun of quality inferior to the above is imported from India, Australia, and the Cape ; but all these kinds, althongh it appears always obtained from various species of acacia, contain a certain rinciple, called bassorin, which does not
Tissolve fully in water, or form a lomogeneous polution.
At an aretage of the 3 years ending with 13, the gum arabic entered for consmmption mounted to \(18,176 \mathrm{cw}\) es. a-vear. Previously to 80.3, the duty on gum arabic from a British ossession was 6s, per ewt., and from other parts \(3_{3,}\); but the duty on it and all other gums was en fixed at tis. per cwt, without regard to origin.
1812 it was further reduced to 1 s . per ewt., and os finally repealed in 1845 . Of 50,112 ewts. of \(m\) atabic imported in 1866 , Egypt supplied 4:5 cuts., 4,939 from 'Austrian territories,' the remainder in small quantities from cal localities. That from Turker bore the hest price, that of Australia the lowest.
186, 3.039 cwts of mim senegal were intcel, the value being a little above \(5 l\). per ewt., le the best gum arabic was worth 7l. 9s. \(2 d\).

Account of Imports in 1866 of such of the rincipal Gums as are known in Commerce.

quantities of these are re-cxported, to re in 1866 of 374,7832
Resins, for the most part, exnde spontafrom trees, though they are often obtained cial roands, and are not uncommonly, at moined with volatile oil, from which they rated by distillation. They are solid es, aturally brittle; havo a certain dethuspareney, and a colour most commonly to yellow. Their taste is more or less coot unlike that of volatile oils; but no smell, anless they happen to contain bun body, They are all heavier than ir specific gravity varying from 1.0182
to \(1 \cdot 1862\). They differ from gums in being iusoluble in water, whether cold or hot; while they are, with a few exceptions, soluble in alcolool, rspecially when assisted liy heat. When heated, they melt ; and if the heat beinereased, they take dire, burning with a stronis yellow flame, and emitting a vast quantity of smoke. Common rosin : urnishes a very perfect example of a resin and it is from this substance that the whole genus have derived their name. liosin is, indeed, frequently denominated resin. The prineipal resins are Ansmi, Copal, libemt, LabDinun, Lade, Mastic, Rosin, Sannaliactr, 'licamanic, de. (Thomson's Chemistry.)
11I. Gum-resins, a class of voretafle sulstances consisting of gum and resin. They difler from resins in this-that they neverexudespontanconsly from the plant, being obtained cither by bruisinter the parts containing them, nud expressing the juiee, which is always in a state of emulsion, renerally white, but sometimes of a diiferent colour or by making incisions in the plant, from which the juice thows. The juice, being exposed to the netion of the sun, is condensed and inspissated till it forms the gum-resin of commerce. Gumresins are usually opaque, or, at least, their transparency is inforior to that of resins. They wre always solid, and most commonly brittle, nud have sometimes a fatty appearance. When heated, they do not melt as resins do, neither are they so combustible. IIeat, however, commonly softens them, and causes them to swell. They burn with a flame. They have almost alwnys a stronge smell, whieh, in several instances, is alliaccous. Their tasto, aiso, is often acrid, and alwnys much stronger than that of resins. They are usually heavier than resins. They are partially soluble in water, but the solution is always opaque and usually milky. Alcohol partially dissolves them, the solution being transparent.

The most common gum-resins are Atoes, Ammonia, Eurionhiun, Galminum, Ganmoge, Myblit, Olinanum, Sagapenum, Scammonv, \&c. (Loudon's Ency, of Agriculture: Thomson's Chemistry; British Pharmacopoia, 1867.)
GUNNY (Hind. tūt ; Ben. güni). A strong, coarse sackcloth manufactured in Bengal for making into bags, sacks, and packing generally, answering at once the two purposes for which canvors and bast are used in Europe. I'he material from which this article is manutactured is the fibre of two plants of the genus Corchorus; viz. Corchorns olitorins and Corchorus capsularis (lengali, pat); both, but particularly the first, extensively cultivated throughout Lower Beagal. Besides a large domestic consumption of gunsy, the whole rice, padily, wheat, pulses, sugar, and saltpetre of the countiy, as well as the pepper, coffee, and other foreign prouluce exported from Calcutta, are packed in bags or sacks made of this article. 'Ihere is also a large exportation of manufactured bags, each commonly capable of containing 2 maunds, or about 160 lhs, weight, to other parts of India, North America, Singapore, Pegu \&c.
Each gunny beg weighs on an average 2 lbs. Pieces of gunny cloth are usually 30 yards long, and weigh about 6 lbs . each. (Annual of Scicntific Discovery, 1862.)
In 1866, gumnies and gunny bags valued at 102,8581 . were exported from British India. of these, by far the largest amount was exported from the presidency of Bengal. [Jute.]
GUNPOWDER (Ger. pulver, sehicsspulver; Dutch, buskruid; Dan. krudt, pulver; Swed. krut; Fr. poudre; Ital. polvere ; Span. and Port. polvora; Russ. poroch; Pol. proch; Lat. pulvis pyrius). This well-known inflammable powder
is composed of nitre, sulplur, and chareonl, reduecd to powier, ned mixed intimasely with enclt other. Thse proportions of the iugredients vary very considerably; but good gumpowider may be composed of the following: viz. 76 parts of nitre, 15 of charconl, and 10 of sulphur. T'liese ingredients are tirst reduced to a fine powder sepnrately, then mixed intimntely, and formel into a thick paste with water. After this has Ifried a little, it is placed upon a kind of sieve full of holes, through which it is forced. Ihy this process it is divided into grains, the size of which depenils upon the size of the boles through which they have been squeczel. 'The powder, when ciry, is put into barrels, which are made to turn round on their axis. Ly this motion the grains of gunpowder rub agninat ench other, their asperities are worn off, nud their surfaces are made smooth. The powder is then said to be glazed. (Thomson's Chemistry.)

Dr. Thomson has the following remarks with respect to the introduction of gunpoviter into warlike operations: 'The liscoverer of this compound, and the person who first thought of applying it to the purposes of war, are maknown. It is certain, however, that it was used in the fourteenth century. From certain archives quoted by Wiegleb, it appears that cannons were employed in Germany before the year 1372. No traces of it can be found in any Earopean arthor previnuly to the thirteenth ceintury, but it seems to have been known to the Chinese long before that period. There is reason to helieve that cannons were used in the battle of Cressy, which was fought in 13.16. They seem even to have been used three years earlier, at the sicge of Algesiras; but befe- a this time they must have been known in Germany, ns there is a piece of ordisance at Amberg, on which is inseribed the year 1303. Roger Bacon, who died in 1292, knew the properties of gunpowder; bat it does not follow that he was acquainted with its application tofire-arms.' ('Thomson's Chemistry.) The proportions of the several constituents of gnonpowder vary considerably in different countries. For further particulars as to the introduction of Cannon, sce that article.
The manufacture, keeping, carriage, and sale of gunpowder are regulated by several statutes. By the Gunpowder Aet of 1860, 23 \& 24 Vict, e. 139 (amended by \(24 \& 25\) Vict. c. 130 , and 25 \& 26 Viet. c. 98), it is enacted that no person shall use mills or other engines for making gunpowder, or manufacturing the same in any wny, except in mills and other places lawfinlly used at the time of passing the Act, or in places licensed by justices of the peace in manner therein mentioned, under pain of forfciting the gunpowder and \(2 s\). alb. It is further enacted that no more than 50 lbs , of sporting and Goverament powder, or materials to he made into gunpowder, or 60 lbs , of any inferior powder, shall be made at any one time under a single pair of mill-stones, or rollers or runners, on pain of forfeiting all above such quantities of 50 or (ii) Jbs., and \(2 s\). for every lb . ; nor shall more than 50 ewts. be dried in any one stove or place at any one time, under forfeiture of all above that quantity and 2s. for every lb. thereof. Powder mills crected on Crown lands are exempted from the above regulntions so far as relates to the making of fine fowling powder.

No dealer is to keep more than 200 lbs of powder, nor any person nut a dealer more than 50 lbs., in the cities of London or Westminster, or within 3 miles of either of them, or within any other city,
horough, or market town, or 1 milo therenif, within 2 miles of tho gueen's palaces or wint zines, or 8 mile of any parish church, on pin of forfeiture, and 2 s , per 1 h .; except in liccust mills, or to the amount of 300 bba for the use collieries, within 900 varls of them.

Not more than 30 barrels are to be earried by any land enrrituge, untess in a van specially cmar structed, and then 40 lbs, ; or unless sueh cirimue form part of a railwny train, and then 80 lbe: \(;\) ne more than 500 barrels by water, unless gesing by sea or enastwise : eacin barrel not to contain mop than 100 lbs.

All vessels, unless belongrilig to the Nary, coming into the Thames, are to put on shore, at er beluw Blackwall, all the gunpowder they have on bayd exceeding 25 lbs. Yessels outwarl bound nrent to receive un board more than 25 lis. of qumpowder previously to their arrivnl at Bachall The Conservators of the river Thames have anthority to appoiut searc'iers to inspect shing and search for gunpowder. All the gunpordict found abovo 25 lbs., and che barrels containing it, and ess, for every lb. above that quantily, are forfeited. Any person obstructing an oftion searching for concealed gumpowder is lisble to a penalty of 101 . The places of depmit fir gunpowder are regulated by the ot Geo, ill c. \(1 \bar{j} 9\).

The importation of gunpowder, arms de as at any time be pronibited ly proctamation orbir order in conncil ( 16 \& 17 Vict. c. 107 s. 45),
Gunpowiler is of conslderable importance in 1 commercial point of view. This will be criken from the following

Account of the Gunpowder Exporteld in les, specifying the Countries to which it was vat and the Quantity and Value of that sunt to each.
\begin{tabular}{|c|}
\hline Countries \\
\hline Italy : Sardininn States \\
\hline Greece - \\
\hline Western Africa (liorcign) \\
\hline Java - \\
\hline China (exclusive of Hong Kang) \\
\hline Cula \\
\hline 81. Thomas \\
\hline New gramada \\
\hline \({ }_{\text {che }}\) Chill \\
\hline Uruzuay \\
\hline Arrentine Confederation \\
\hline Mnnta - \\
\hline , \\
\hline Hritish Possession in S \\
\hline Mauritína \({ }^{\text {a }}\) - \\
\hline Britsh India: Rombay nnd Sinde \\
\hline Singapore and the Straits \\
\hline cmens \\
\hline \({ }^{\text {a }}\) \\
\hline Aniraling \\
\hline Alriish North Ameri \\
\hline Br \\
\hline Hritish Guia \\
\hline Mritish Homdur \\
\hline er Countries \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Quantities & \\
\hline \(1 \mathrm{~lm} \times\) & \\
\hline  & \\
\hline Stifme & \\
\hline  & St, \\
\hline \(6{ }^{6}\),6, 6 & \\
\hline 913,1420 & 23 \\
\hline  & , \\
\hline 95,352 & 3, \\
\hline ¢ & , \\
\hline 1,263,523 & 6 \\
\hline 131,930 & \({ }^{4}\) \\
\hline 1100,198 & \% \\
\hline 53, 3,423 & \\
\hline 67n, 69 & \\
\hline \({ }^{219,9146}\) & \\
\hline 115,729 & \\
\hline 236,642 & 11,5 \\
\hline 1,359,991 & \\
\hline 9, 165,197 & \\
\hline 2,50, 191 & \\
\hline 5; \({ }^{0}, 120\) & \\
\hline  & \\
\hline  & \\
\hline
\end{tabular}

GYPSUM or SULPUATE OF LINE in various parts of the Continent, in Deving and Nottinghamshire, and ia Nova Seotia m it is largely exported. :When reduced tod der, and formed into a paste with water, termed plaster of Paris, and is moch os forming casts \&c. It is also used for floors, and has becn advantageonsly emplof a manure.

\section*{Hritish Guianas
Mritish IIamduras} Mritish Momuluas
Other Countrles
H. 1 DE
thenth in
the babien
simplo mat
the milline
hands of fe
up ladies' an day (latix) \(n\) of trate. 1 all sumbibinry Neswnaher," ultuns, tapes, niact, in crors at put ture bridaver ot imilat indispes odeterers, blind ai well as innu and manuficture. ahout 3 en yens Vercers'and IInbe ut this whs dise nerers contininge \(t\) Ind velrets, which rave, and etiey gro
was impurtant wares ats millinery. small ratirectmmority), still belong Walout 20 pears erent than it is \(n\) We remembered th malus beiper giten t as in Prussia, Germ endabery; allissumply
Nradaf!; although
of to that apuellatis
the braach of tr at that ame.
hed from the IIaberd
wh, specitying the Cuite
ne sent and the Irs

\section*{H}

MABERDASHERY AND MLLINFHE
thuyd in one sense closely allied. inasmued Althe laterdasher supplies the milliner with the smpte materials to assist in making up her grools othe millmery trade heing almost entipely in the hands of females, and wholly conthed to mak the uplalies'capsand bumets), there is at the making day (Istix) no other affinity between athe present draie. Thaberdasher is a person who deals in all sumbiary articles recpuired by the milliner buthnatapes, or fathor, sueh as pins, needles, in inct, in evervthing required, bewing silks de.in inct, in ererything required by them to make up of put tugether aft descriptions of clothing; and biburdasler of the pee of trado only, but the simiar indispensable articlay keeps and sells bolteress, Windmakers, shoem required by up© well as innumerab, shoemnkers, staymakers, and munuficture.
Abent yet years ago (temp. Queen Elizaheth Merers' and Ilaberlashers' Companted between the at llis was discoutinued Companies of Lomdon ; ne his was discontinned abont that time, the nenert coniniang themselves to the sale of silks rade, and they craduallye chief articles of their ss inporant rares. The haberdashes sale of all ads, millinery, small articles of jewellery dealt in cratireconmotity), and a thonsaud othere pins (a tidt still belong to the trade.' (K) Othings and. It is certain that the faberdight's diont 00 years ago was muen more linitery ctent than it is nt the preseut time; beat it
Whe renembered that the opening of the trade
lob, which has been followed by a large mulus being given to the production of farge din Prusia, Germany, and France (which in cland mow classes uniter the designation of Whath; although not, strietly speaking, ond the branch of trade which ry largely proart that rame.

Wunt of the Maberdashery and Millinery Ex1 specifigug United Kingdom in 18;i) and , specifying the Comntrics to which they at knt and the Value of the Articles sent
wach, He metropolis.

There is donbtless a mistake haberdashers (inchuding hossiere) in the number of persons. Thit may amined in lase deaters earrying on busine may appy to sumal homsers; but it is certain that as hubrertushers ant silk mercers and lineu that the great tulk of" wh dashers, although not crapers are equally of haberthat desiguation. Litule fith.
curney of the we fear, ean be placed in the ane and liniti fur habove castoms relum for isici it is well known that whill millimroy erported goods shipped to fureign whilo on the one haut saviug trouble, are describoutries, for the sake at savilg trouble, are described hy the freneral icat roods shipy, the the other a large grenern tern foods shiplied from Jifminer a latrge amomit of are descrihed as harolurare, althom, Shellield Se: pins, needles, buttons, hooks aulthen consisting uf as other metal artieles hooks and eyes \& c. as wril ought to be deserieles which are comprised and haberdashery:
We are indebted for this artide
Eaq., of Fore Street for this article to li. Slater IACKNEY
in the streets or other public, Carriages stationed carry such persons as requip places, amb homme to certain rates of hire acequire their serviees, for ravelled. They have according to the distances anthority, and suhjected to genally been licensed by intended to prevent strangect to certain regulations ihem from traud strangers and others usin, doubted, fran and imposition. others nsing have had any prow whether these regrulations public wonh not bo effect; and whecher the east in all larget bo as well aceommodated the open, and trusting towns, by throvinum the bated, at As respents tristing to competition to the bisiness ot its respets London, nothing to rectity abuses. of its hackney coach establican be said in tivonr truth, a lisgrace to the eitablishment, which is, in the carriages are dirty city. Speaking generally horses worn out, dirty, disagreenble vehicles at uncivil; formin, and the drivers ill-clothed, the rance and coms a striking contrast to the elut ringes, the excellence of thess of the private carness of the servants. Hackner conches.
don in 1625 . They were first established in Lonthe strects, but at the pe then stationed not in reign of Charles II, the priacipal inns. In the abe. Commissioners for licensing was considerAct 9 Aurenney coaches were passed, Anne e. 23 ; and successire established by the passed, specifying the numbere Acts have been ment be licensed, the duties prof coaches that to be manted conditions muder whiche to Govern Acts reftect any But we cannot soy thenses wero last 16 ect any credit on their say that these last ( \(16 \& 17\) Vict. c. 33 ) is anthors; and the objectionable of any. To is, perhaps, the most carriages shall charge alike, withon all hackney inferioryle or fitting up, is to without regard to haveriority. If this were their offer a premium on have been eminently suce their ebject, these Aet other respect they have beepsul; but in every and the sooner they are repeal complete failures mense numbers of cabriolets are the better. Im-

Priage Regulations, -Fares for hackney carrint and City of Low for \(U_{U}{ }_{U}\) are according to

\section*{HACKNEY CARRIAGES}
distance or time, at the option of the hirer, expressed at the commencement of the hiring; if not otherwise expressed, the fare to be paid according to distanee. ( \(16 \& 17\) Vict. c. 33 , schedule A.)

No driver is compellable to hire hls carriage for a fare according to time, at any time after 8 in the evening, and before 6 in the morning.
Agrement with driver to pay more than legal fare not blndiag, and sum paid beyond the fare may be recovered. ( \(1 \& 2 \mathrm{Wm}\), IV.c. 22 s .43 .)
Driver not to charge more than the sum agreed on for driving a distance, ulthough such distance be excceded by tho driver. (Sec. 14. )
If proprictor or driver agree beforehand to take for any job any sum less than the proper fare; penalty for exacting or demanding more than the sum agreed on, 40s. (Sec. 45.)
briver may demand a reasonable sum ns a defosit, from persons liring and repuiring him to wait, over and above the fare to which driver is eutitled for driving thither. Penalty 40s. if driver refuse to wait, or go away befure expiration of time for which dejosit shall be suflicient compensation; or if chiver shall refuse to account for such deposit. (Sec. 47.)
Hirer refusing to pay the fare, or for any damage and compensation for loss of time, may be committed to prison. (Sec. 41.)

The number of persons to be carried by any hackney earriage shall be distinctly marked on such carringe, as the Commissioner of lolice shall direct; and the driver shall, if required by the liter, earry by such carriage the number of jersons marked therion, or any less number. ( 16 \& 17 Vict. c. \(33 \mathrm{~s}, 9\).)
When carriage is drawn by 2 horses, \(\frac{3}{3}\) above the fires hereinafter mentioned is to be paid. (ScheJule A.)

T'wo chidren under 10 to be counted as 1 adult, whether the hiring be by distance or time.

Fares by Distance, within a radius of 4 miles from Charing Cross.-If hired when standing on a stand, for any distance not exceeding 1 mile, \(1 s\). ( 30 \& 31 Vict. c. 134 s. 26.)
Above the number of 3 persons carried, \(\boldsymbol{6 d}\). extra for each person.

And for any distance exceeding 1 mile, for every wile, and for any part of a mile not completed, at the rato of \(6 d\).

Above the number of 2 persons carried, \(6 d\). extra for each person for the whole hiring.

When not standing on a stand, for ench mile and for any part of a mile not completed, at the 1 ate of \(6 d\). ( \(16 \& 17\) Vict. e. 127 s .13 , and c. 33. )

Above the number of 2 persons carried, \(6 d\). extra for each person for the whole hiring.

One shilling for every mile, or part of a mile, beyond 4 miles (radius) from Charing Cross, if curriage discharged beyond such 4 miles.

No driver shall demand or receive any sum by way of back fare for the return of the carriage from the place at which tischarged. (16 \& 17 Vict. c. 33 s. 4.)

When the driver, to be paid according to distance, shall be required by the hirer to stop for \(1 \overline{5}\) minutes, or for any longer time, the driver may demand and receive o further sum (above the fare calculated arcording to distance) of \(6 d\). for every 15 minutes completed that he shall have been so stopped. (Sce. 4.)

Fares by Time.-One hour, or part of an hour, 2s. (Schedulo A.)

For every 15 minutes, or less, beyond 1 hour, 6 6. (Сар. 127 s. 15.\()\)

Each person above 2, the whole hiring, \(6 d\). extra. (Sec. 14.)
No driver shall demand or receive any sum by
way of back fure for the return of the carria,
from the place at whlel diwe rom the place at which dischnrged. (Sec. 4 ) If the driver is refuired to drive more than miles an hour, for every mile or part of a muith
above 1 miles, Gid. extra. (Cap, above 1 miles, (id. extra. (Cap. 33 s. 7. )
Luggage.-A reasonable quantity of lugga to be carried in or upon the carriape without an additional charge, except as provided in aext pa
ragraph. (Cap. 33 s .10 .) ragraph. (Cap. \(33 \mathrm{s}. \mathrm{10)}\).
When more than 2 persons are carried ind any hackney carriage, with morn lurgue the can be carried inside the carriage, a sam of \(2 d . t\) overy package carried outside the curriace ios be paid. (Schedule A.)
General Regulations, Misconduct \$r.-llackns carriage standing in the strect, nuless actudy hired, to be deemed plying for hire: and the din: obliged to go with any person desirens of aint such carriage : and on hearing complaint thit innst produee evidence of having been actust hired at the time. (1 \&2 Wm. IV.c. 2.25
The driver is to drive at not less that in an hour, unless in eases of navaidable delar, when required by the hirer to drive slower. \& 17 Vict. c. 33 s. 17.)
The alriver shall (umless he have a rearnal excuse, to be allowed by the justice drive ti place within the Metropolitan police uistrin City of London, to which he may be require the hirer, not exccediug 6 miles from the where hired. (See. 17.)
The driver shall (unless he have a tava excuse, as above) drive for any time notena ing 1 hour from the time when hired. (eserl
The proprictor of every hackuey eirnge keep distinctly painted or markel both ont side and outside of such carriage, as the Com sioner of l'olice shall direet, a table of fareso may be legally demanded; and the direer have with him at all times, when plying fort book of fares, in such form as shall be dimere the Commissioner, and produce the same requirec، for the information of any periso or' intending to hire such carriage. (See a)
In cases of disputes as to the fare ackeri distance, any table or book signel by the missioner of l'olice shall, on proof of sudt ture, be conclusive evidence of all the diso therein stated to have been meisured of thority. (Sec. 6.)
In case of any dispute betreen the bre driver of a hackney carriage, the hiter a quire the driver to drive to the neares \(X\) d litan police court or justice room, whea plaint may be determined by the sititig trate without summons; or if no police ed justice room be open at the time, thin nearest police station, where the compliz be entered, and tried by the magistare next sitting. (Sec. 18.)
Every driver of a hackney , mmage havif hired, deliver to the hirer a ane on riby be printed the number of the Stanp 06 on such carriage, or wuch other wods ex as the Commissioner of Police may ditect
Penalty of 40 s ., or 1 month's impriwng each oflence against any of the abore pry (Secs. 17, 19.)

All property left in any hackney arri je deposited by the drire: at the neare station within 24 hours, if net sooner dif the owner; such property to be returned to son who shall prove to the Commisionas that the same belonged to him, on parim expenses incurred, and of such rasumaty the driver as the Commissiener shallatr 11.)

1 of the carriage ed. (Sec. 4.) cive unore thant part of a mild 33 4. 7.) ity of lug tage bs rate without anp vided in aext
are carriel insla orn luriruse tha r, a sian of ed fo the carriage int
uct \&c,--1lachan t, unless actullis lire; and the linive desiruus of aina * complaint, drivy ving been actual. 1. IV. c. 港s, \({ }^{\circ}\) \(t\) less than if mix avoulable delas: drive slower, n hirel. (een 1 ackney earrize arkad both on tee inge, as the Cons table of fares and the trive vhen plying for is siadl be dinte duce the same of any persalit rriage. (Sesj) the fare accort s signed by thr a proof of suct ce of all the dist measurcilist age, the liver of ) the nearest te rooth, whed the or if no police 0 the time, thes ere the complis the magivtrate

\section*{HAIR}

Driver not wearing his metal tieket conspi-1 In IALIFAX
cuously on his breast at all times rluring his ennplonaent, or refnsiug to produce such ticket for inspection, or refusing to permit any person to note the writing thereon, or wearing ticket with writias not distinctly leglble, to forfeit 40 s ( 6 \& \(: 7\) liet, c. 86 s. 17.)
Every person using or wearing a ticket without barigh a license in force relating to such ticket of rearing a ticket resembling the tiekets issuct br the Commissioner of l'olice, to forfeit 51 .: such tidet my he selzed by any constable or person emplored for the purpose by the Cominissioner of Police. (Sec. 18.)
Driver allowiag another person to act as driver Ghimplace, also any person acting as (lriver with. nut coasent of proprictor of the carriage, to forfoit 4. (Sec. 27.)

Peroon acting unlawfully as driver may be ket into custody by a constable, and charged eore a magistrate
Ifdiverof hackney carringe permit or suffer any rnat to nde or be carricd in, upon, or about such rmage, without express consent of person liring sace: penalty 20s. ( \(1 \& 2 \mathrm{Wm}\). I V.c. \(22 \mathrm{s.50}\).) Diver guilty of wanton or furious driving, or sing hart or tamage by carelessness or wilful natigg usce of insulting or ang his employment, nasiug use of insulting or abusive langunge or aute or any nisbchaviour, to forfcit 3l., or to oun, at discretion of justice; and in case of surd to damage, justice may order compensation exceeding 10L, to be paid by tho proprictor, reevered by him. from the driver, by whose cut such sum shall have been paid. (Sce. 28.) with or suther same to stand across stand or ply momon passa;e, or alley; or shaull street, 6 in any street, roall, or or shali feed the only rith corn ont of a bag, or with hay hhe shall hold or deliver with his hand; or rer shall refuse to give way; if he conveniently oanpother carriage, or shall obstruct or hinder inter of any other hackney carringe in takier selting down any person; or shall taking in a forcible or clandestine manner, take the fare from any other proprictor or driver: 7tir. (Sec. 51.)
fire elsewhere thoy carriage who shall bire elsewhere than at some standing or bopanted for thist mist purpose, or who by loiterdian in or upon any public strect cause any hall for every such offence forfeit, road, or ( 68.7 Vict. c. 86 s. 38.)
in any strect carriage leaving it unatin any street or road, or at any place of esort, whether hired or not: penalty 40 s , siable \&e. may drive such carriage to a badety. ( \(1 \& 2\) Wm. IV. c. 22 s. 5. .) hair: Fr, chever. haare, menschen-haar abellos; Lat. capilli). 'Hum umani; very considerable sticle in Human hair ince the morle of perruques in :ommerce, esond. Hair of the prowth (and chignons) as England \&c., is vowth of the northern se more southern ones, as Italy, beyoud and neither France \&c. Good hnir is ss rendering it leass nor too slender; conl, and disposing it rather to fresthe tosllness making its curl of too short foriz; s length ahoulil be abeut 25 inchort du\(\frac{1}{\mathrm{f}}\) ) short of this the less value it bears.'

In \(1860,18,500 \mathrm{lbs}\). of human hair 650
ported into the United Kingdom hair were imHe of \(8 s\), per lb .
hair; Frr. poil ; Ital. and Spare, huhate; Duteh, The hair of horses is extenive ; Lat. pelles). mannfacture of chairs, sofensively med in the the hair or wool of beavers, saddles \&c.; while much employed in beavers, hares, rabbits \&c. is Wool.] In 1866 we manutacture of hats \&e. camel's hair, worth 10,5001 ; and 336,392 lbs. of 475,926 yards of hair cloth 10,500 .; and we exported HA1K-POWDER (Gicr worth 43,427l.
poudrer; Ital. polvere di ciprl; Sur. Fondre à pelinca) is used as an ornament Span. polvos de generally made from starel pat for the hair, and times perfumed. \(A\) stareh pulverised, and somelaid upon nll persons whe of 11. 3s. \(6 d\), n-year is ferent statntes prohibit the wixinepowder. Ditwith stareh or alnbaster, and haing of hair-powder are prohibited having alabist hair-powler makers HAKODADI or FAKODAT in their custody. therly of the Japanese treaty ATE, the most northe island of Yeso, lat. \(410^{\circ} 47^{\prime} 8^{\prime \prime}\), is situated in \(45^{\prime} 34^{\prime \prime} \mathrm{E}\). It is an excellent \(47^{\prime} 8^{\prime \prime}\) N., long. \(140^{\circ}\) anchorage in black mud, in harbour, having good Water, and had been frequented in 5 to 6 fathoms the opening of the Japaneso islanuls to bers betoro and American commerce ineso islamis to European is reekoned at about 10,000 1858. The population are hides and deer 10,000 . The chief exports the last worth from \(1 \geqslant 1 l\). to \(d 0\) mer and tow, R. Alcock does not spent to 140 . per ton. Sir capacities of IIakodadi.
In 1866, 51 vedais
Which 20 were British; and 51 at Hakoladi, of 22 were British. The butios cleared, of which paid the samo year were \(3,5 \mathrm{~d} 2\). . port charges ports were seaweed, silk, and \(5.512 l\). The chief excottons, woollens, and sugar fish; the imports, Report for 1866.) and sugar. (Consul Gower's
Value of Exyports from ant ....ports into Hako-
dadi in 1865 and 1866 .


HALIFAX. The capit
the south-cast const of that of Nova Scotia, on N., long. \(63^{\circ} 28^{\prime} \mathrm{WV}\). It is province, lat. \(44^{\circ} 36^{\prime}\) sula on the west side of is situated on a peninone of the timest harbours in Ameray, and has tion in 1861, 25,026. The America. Populabuilt, and most of the house town is irregnlarly Government-honse is one of are of wood. The edifices in North Americn of the most splendid in 1749. Nova Scotia now Halifax was founded vinces of the Confederacy or Doms one of the pro-Port.-The best mary or Dominion of Canarn Sambro light-house, on a small ist for Halifax is of the same name, on the small island off the caje to the harbour, in the west side of the entrance light, which is, in lat. \(44^{\circ} 30^{\prime}\), long. \(63^{\circ} 32^{\prime}\). The the sea; and aded, is 210 feet above the level of 24-ponnders, is upon biring at regular intervals if the light-house, of the dense fogs with which during the continuance very much infested. (Couli this part of the const is Positions Geographiques the harbour for large slips p .) The course into light is between the main after passing Sambro Macnab's lsland on the east. iug from the latter a lige east. On a spit projectconstrueted; and whent-house has recently been in without fear. The this is seen, ships may run veral strong forts. Ships pour is defended by seof the town, where the harually anchor abreast ves \(v\)

\section*{halifax}
than 1 miln in width, After gralually narrowing to about \(\ddagger\) that width, it suddenly expands into a nob's sheet of water, ealled liediord liasin, completely land-locked, with deep water throughout, nuld capahle of accommolating the whole navy of Great britaln. The lurbour is accessiblo at an times, and is rarely impeded by ice. There is an extensive royal doekyard at Hinlifux, which during war ls nil important nnval station, being partienlarly well calculated for the shelter, repnir, nuld onttit of the fleets cruising on the American ronst and in the West Indles. Mr. M'Gresor has severely, and wo belicyo justly, censured the projeet for tho removal of the doekyard from Inalifax to Berinuda.
Trade §ro of Halifux and Nova Scotia.-Mnlifax is the seat of a considerablo tilshery; but the British colonisty scem to be, firs what renson it is not casy to say, less enterprising nad suceessful tishers thm the New Euglauders. The prineipnal trade of the town and province is with the West Indies, (Great lritain, nud the United States. To the former they export dried and piekled fish lumber. conls, cattle, flour, butter, oats, potatoes \&e. They export the same articles to the sonthern ports of the United States, and gypsum to the enstern ports of New England. To Grent Britain they sond timber, denls; whate, cod, and seal oil ; turs \&e. The pri, ';al exports of timicr are from I'jeton on the st. Lavrence. The imports consist principally of colonial produce from the West Indies; nul sorts of mannfactured goods from (irent britain; and of tlour, lumber \&c. from the United states, principally for exportation to the West Indies.
In \(18: 6\) a company was formed for making a canal neross the country from Innifife to the basin of Minns, which nuites with the bottom of the ISny of Fundy. The mavigation is formed, for the most part, by Shatbenacadie lake and river.
( Lecgisinturn gave 15,0000 , to thls ridectakime The excnvnted part of the canal is 60 feet wide top, 36 feet at bottom, and admits vessela dian ing 8 feet water. It seems very questionall whether this canal will be prolltable to the sha holders, but it is of very cousiderotle ac shat the trade of Halifnx. Tho extent of arrvee Scotia Rallway in working order la the . miles
There are 2 private banking companies at 11 cux. Accounts are kept in pomils, alililimum pence, the anme ns in Eucland, und the weid and measures are also the sume.
About 120 large square-rigyed vesels, anta the snme number of large selionerst, with sene smaller craft, belong to IIalifin.
The steam ships conveyine
North America ply between tho mailsto Ra in tho United States and Liserpewd sent (Scpt. 1868) tive steamshap cumunio stenaners from hie latter, so that \% thet Tue day nad Wednesday, and 1 euch Thurs Friuny, nuld Saturday; ciho ports of destinu being New York mid loston, Malifiax, ond and Montreal. The fare to Inditixx us from Liverpool, including provisious ands detery ice (but excluthug wines and lighacs), in 181, to 261 , tirst class. On arriving at tha passengers are conveyced across the Pemilis to Picton, whence they aro carried br when to Quctuec and Montreal. A steum inim is also kept up in summer with lloston. the valuo of tho total imports into Soras wns \(14,381,662\) dellars, or \(2,886,3301\), of 11,530,405 dollars represent the import trat Inlifax. [Colongrs: Tamprs, Colosimb;
During \(1865,6,85.4\) shijs, if the 142 burden of 929,929 tons, entered the proris colony (primuipally Italifax) from nll ous 149 of which were from tho United hingta

Account of the Quantitics and Values of the Principal Articles Exported from the Laited \(\mathbb{E}\) to Nora Scotic, and principally to Malifax, in the Your. \(186{ }^{\circ}\) and \(1806^{\circ}\).
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Artictes}} & \multicolumn{2}{|c|}{Quantities} & \multicolumn{2}{|r|}{Taiue} \\
\hline & & 1865 & 1866 & 1865 & \\
\hline Apparel and haturimathery \({ }^{\text {cos }}\) & - value & \(4{ }^{-197}\) & - 481 & 235 & \\
\hline Copper, wiought and unwrought & cuts. & 4,123 & 4,291 & & \\
\hline Comare and twiue & this. & 16,48, & 11.116 & 31, 469 & \\
\hline Cottons, entured liy die yard & yards &  & 6,111,501 & 11,532 & \\
\hline at value & - value & -18) & & 16.10 & \\
\hline Drugs and cheinical prulitis : & - & - & - & \% \(7 \times 20\) & \\
\hline Fiarthenwart diad porcelinn - & - " & - & - & 13,6,17 & \\
\hline  & - " & - & & \({ }^{19}, 653\) & \\
\hline Hardwares and cutery, unenumerated & crits. & 6,291 & \(\overline{7,250}\) & \%,451 & \\
\hline llats of all snrts - & doz. & 7,3,33 & 10,612 & 10,842 & \\
\hline Iron, wruught and unwrought - & tons & 9,397 & 17,1;8 & 91,516) & \\
\hline leuth- wrought and unwrought & - Value & \(95 \overline{4}, 651\) & 1,04 \(\overline{1,114}\) & 20, 48.681 & \\
\hline Machinery and mill wurk & - value & & & \({ }_{9}{ }_{2} 61\) & \\
\hline Oll, seet - - - & - gailons & Cs,005 & \%0,133 & 9,659 & \\
\hline P'anters' colours (not mitherwise descrihed) & - value & & & 10,611 & \\
\hline fuper of all sorts (including paper hanginge) & - cwis. & 3.418 & 5,673 & 9.843 & \\
\hline Silt manufactures : & - tons & 23,4i7 & 93,106 & 3, 8,291 & \\
\hline ¢oap- & - cwis. & \(\overline{2,279}\) & 2,89, 1 & 2,76] & \\
\hline Wuoltens, entered hy the yard & - yards & 2,451,254 & 2,400,926 & 213,063 & \\
\hline at value & - value & - & & 9,699 & \\
\hline All other arthes - & - " & - & - & 99,15 & \\
\hline I'otal & - . & - & - & 1,061,2, & \\
\hline
\end{tabular}

Tutal Value of Nova Scotian Imports and Exports (including Bullion and Specie), from Country in the Yenrs ended September 30, 1863, 1864, and 1860.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow{2}{*}{Countries}} & & \multicolumn{3}{|c|}{Imporia} & \multicolumn{2}{|r|}{Export} \\
\hline & & & 1863 & 1864 & 1865 & 1865 & 1861 \\
\hline United Kingiom - & - & - &  & \[
1,081,568
\] & \[
1,26,3,198
\] & \[
\underset{61,068}{\boldsymbol{f}}
\] & \(\underset{66,105}{f}\) \\
\hline Britisty Moscessluns:
Wetilndlan : & & & & & & & \\
\hline Wert Indlan
North A merican & * & : & 37,236
\(\mathbf{2 1 3 , 3 2 4}\) & 81,155
\(237, \mathrm{S15}\) & 135,44 & 342,971 & 359, 016 \\
\hline United States - & : & - & 711,553 & 860,605 & 665,171 & \$73,954 & 699,34 \\
\hline Other Counlries - & - & , & 193,006 & 254,788 & \% 295,968 & 157,45 & 1st, 13 \\
\hline Total & - & - & 2,040,278 & 2,310,929 & 2,876,53y & [3099,498 & 1,14+85 \\
\hline
\end{tabular} ans.
g the mails to Pritid
this port and Pherla
liverpool. It in
aship companies o that \(\frac{2}{2}\) start and I cach 'Thurisl ton. Innliax, Qued to Italifix or B rocisious and stera, and liygors), is arrivint at 112 across the Prair e carried by seas A stheam Buston. ln ports into Soms r \(2,886,3,3321\), of nt the import the miffs, Colosill; bijs, if the ame eutered the poris ax) from nill way te United King nd 186 j .



\section*{HAMBURG}
ceonnt of the (Wnantities anal Value (in Sterling) nithe I riscipnt Articher Imparted intu the Unierd
and all sorts of German man 601 Whifur, in 1865 and 1866, ant principully from
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{} & \multicolumn{2}{|r|}{Quantiliet} & \\
\hline & 146.5 & 1466 & \\
\hline 1, manarisubber: suins & 13,937 & S, 2,6
3,17
315 & 1 \\
\hline  & 2, 3119 & 3,919 & 1, \\
\hline mil \({ }^{\text {man }}\) & 3, \({ }^{401}\) & \%, & (1) \\
\hline  & & \(\stackrel{\square}{\square}\) & 2, \\
\hline  & 4,931 & 3,348 & \\
\hline (uens topla & & & 18,79 \\
\hline  & \({ }^{3}{ }^{3} / 2\) &  & 6.3,497 \\
\hline T**a & & - & 5,312 \\
\hline
\end{tabular}
bue 150 c , of the Manse Towns, but thicman Contederation, on the north of the erimer lille, abunt \(i 0\) milen from north Lank
 on Due. 3, Isti, inctuding tho subur Pophage and St. Paul, but excluding the territory.
 \(t\) comucrinl city of Germang is the P3, of the contiannt. She owes this allisa prinepally to her sitnation. The Elbe may be navigated by lighters as far as as in Buhenia, renders her the entrepôt of a of matual cancilitics Adrantage, too, has been of hataral hacinties that extend still farther been equablion; a water communication been established, by means of the Spree anificial cuts anil slaices, between the tula so that a considernble latter and sula; so that a considerable part of the of silesin destined for furcigin markets, ace evea of that of IPoland, are conveyed tion br means of, The There is also a comare, and consequently with Lanal with die, But the great lines with Ltibeck and tellambergreat hues of raihway which coalsurg, and all the intere Leipsic, Labeek, stlr estented her cosnections, and aro of eren more importance than are dof fiver and canal narigntion than her 14 feet water come ap to the town nd resels drawing 18 fect town at all with the spring tides, The largest wmetimes load from and inlond int the trase of, Gilleckstadt, and BremerGemaary cilher solly eanbraces every The imports consist or buys from oht stulf, aud yam; wool, woollen of bolk; coffee, sugar, silk and woollen, and bide, iton, and hardware, silk goods; e, bady, rum, dyewools machinery, latye quantities of coall are imported pepper coited Kingdom. Being brourlit fron the places, there is a grent variety of arion of the wheat llamburg, but of fer is rery good and inferior, Some preal of rarious qualities, with forg. Toal, the exports consist. With the the tapmis, Hacinurg of the same collnaption preduce of distribution. In manial produce, British manufnetured frim of all sorts, they include wool, mgs, mooden clocks and butter, salted theniwh wines de, Morman manufactured coorls, mach as grain, Hax, Irmont ports of Daltio nrificley,
may generally allow feneraly be benghit as ancap tar, wax de. alowhy for difterence of freleheap at Maraburg, Whence they were rice of frelightit, as in the ports, anmual value of the import and engh. The tural of which (including that of Altom export trade of burge exch eoneluct their bushoma, the merchants mated at sutpe) carried on by aer may flammatad at \(80,000,0041\). sterling sea may be catias the lapgest portion by tire of upwards; ntul trade is in our hands, it by tilt of this immeman We should be a little finller then becessary that IInmburg ward to this great emporinmary in unr in Amblurg was vinlted breat a mouerium.
in May ISte; lont, motwith most destructive fire losses ihat were hat, motwithstanding the heme fire tharalisis It oceaslened in trade and ind and the antlejpated. Thes severe than minght industry; having been The system of mutual have been having been generaliy adopted, mintual insuranee holness and other property wed, the proprietors of tax, to defray the property were subjected to a mares lance raised to inden of oan of \(31, v 00,000\) and to cuable chasen to indemuify the sullererw traces of the derastation hare thefr honses. Al disappeared; and here, as in me thus long ago exposed to a slmilar calaure, in most other pares improvement ot the townury, it has led to a great and more commodionsly, which is now betterbuilt vas \(4,0 \% 3\), 1860 , the pulblio debt of formerly: was \(4,023,9801,:\) the the pulbie alebt of liambur, clicfly derived from enstoms, and expenditure, averaged abeut 6tio, enstoms, for the and stampa, , Navigation of the Fut
Thouth of the Elibe is encumber Pilotuge S.e. - The The channel Jeading to Cuxhare with sain-banks. the north by the Vogel Smudy aud is bounded on Nenwerk Island by by Scharhorn Sinduds, Nenwerk Island. On the Satter thorn Sands and honses and 2 beacons, and on there are 2 linhtitanother beacon. The and on the Schanhorn is Islanil are about the lighthouses on Nenwerk sontherly, which is also yards apart; the morst in lat. \(53^{\circ} 54^{\prime} 55^{\prime \prime}\) N 128 feet high, beine tw loug. \(8^{\circ} 99^{\prime} 40^{\prime \prime}\), The channel is, ing some places, height of the other. wide. The outer red buoy in, hardly \(\frac{3}{}\) of other. channel at its mouth heary in the midelle of the by S ., distant nearly 20 miniles. Brom IJeligoland \(\mathrm{S} . \mathrm{L}\). in entering the Libe in the flont But the best mark in 11 moored 2 miles N.W. by Ng lipht, or signal in 11 fathoms at low water N, of the rel buoy leaves her station unless wis. This vessel never, Winter. By night male cess compelled by iee in a beet above deck, and in fogery want irn light, signal every quarter of foggy wenther fingrs signal ship is qtationed of an hour, \(A\) second the first, at the westernos miles S.E. by E. from rigged like fair way of the river sillil-bank rom the fike a galliot, to of the river. She is from the first signal ship; and her by day she exhibits two lights, one and during niglit other. The distance from the IS fect above the the course is abont 16 miles; the outer red buoy to Stade course is east, 28 miles; from to (ililekstadt then the course is southes; from the latter to then easterly to Hambura-casterly, 9 miles; and throughout is marked with, 18 miles. The channel which are numbered aud black and white bnors, The black ones are to and enfecitied in the charts river, on the starboard or cieft, in passing charts, White on the larboard or rightAll vessely coming side.
measire abore 60 commerce into the Ellue, which 6,000 \(\mathrm{lbs}_{\text {. }}\)
each, must pay pilotage whether they require a pilot or no; and howover well the signals, lights, beacons, and buoys may be arranged, the services of an experienced pilot are very necessary, especially in the case of fogs or stormy weather. 'T'o assist in getting vessels supplied with this indispensable functionary, a schomer was directed, in 1855, to cruise between Heligoland and the month of the river, to be in readiness to supply ships with pilots and instructions; and this plan having been found to answer extremely well, a second sehooner has sinco been employed for the samo purpose. Previously to this arrangement vessels had to heave-to by the pilot-galliot, moored near the river's mouth; and when, owing to the stato of the tide or the weather, they could not do this, they had to sail to Cuxhaven and there get a pilot. But the schooners being extremely good sea-boats, and always on the look ont, their employment has greatly reduced the inconveniences that formerly attended the shipping of pilots.
The Charges on account of Pilotage vary, of course, with the vessel's dranght of water, the distance she has been piloted, and sometimes also with the uature of the eargo. They aro in all cases very moderate. The charge for towage is fixed per agreement.

Down to a late period there were no docks or quays at Hamburg, but they are now in course of construction. At present there is a quay abont 3,000 feet long, intended chicly for sea-going steamers, in the course of erection; and when completed, there is no doubt that further works of the same kind on the Grasbrok will bo commeneed without delay. Vessels moored in tho ziver outside of piles driven into the ground a short distance from shore; and in this situation they were not exposed to any dnuger unless the piles gave way, which rarely happens. 'there was a sort of inner harbour tormed by an arm of the Elbe which runs into the city, where small craft discharged their cargocs. Larger vessels loaded and unloalled from their moorings by means of lighters. These carry the goods from and to the warehouses which front the varions small arms and channels of the river, and the canals carried from it into different parts of the city. The charges on accomnt of lighterage are extremely moderate. But, whatever inconveniences may have attached to this state of things, either have been, or are on the eve of being, materially abated ly the formation of a new harbour, in which ships will lie alongside the quays, and their loading and unloadiner be greatly facilitated.
File Dutics.- The Stade dnties on the Elbe, arainst which we protested in former editions of this work, have been abolished since July 1, 1861, and the various duties levied on the upper part of the river have been simplitied and reduced since July 1, 1863. At present all vessels, whether going up or down the river, liave to pay toll only at the custom-house of W'ittenberg. where they have to stop, at any rate, on account of customs revision. The Lilbe duties are levied there in threc different classes, namely, in the first (normal class) at the rate of 16 silver pfennig ( \(360=1\) thaler courant, or 30 thaler stand.) per toll-centner of 100 lbs , metrical weight; in the second at the rate of 8 silver plennig; and in the third at the rate of 2 silver pfennig. Jelow Wittenberg the tralfic on the river is entirely free. Now that Prussia stauds in the place of Hanover and Denmark in regard to these tolls, it is believed (says Mr. Consul-General Ward in his Reports of February 1867 , und May 15, 1868) that a modilication, if not an entire abolition of them will soon be etlected.

Moncy and Banks.-Money reckoned in Hamburg in mares, of \(16 s\) s, perath 12 pfennigs; and is of 2 sorts, banco and The former consists of the sums inscribed in books of the Bank opposite to the names in the who have deposited specie or bullion in the farel or got it transferred to them at the rate of \({ }^{2}\) mares banco to the Cologne marc of tine sifp The value of the mare lunce, taking silvet at per oz., is consequently 1s. \(5 \frac{1}{2} d\), which mabse par of exchange 13 mares \(10 \frac{1}{2}\) schill, banco it sterling. There is always a considerable azio favour of banco.
The state currency was regulated by alar year 1856, according to which the Prussian tha ( 60 to I kilogramme of fine silver) beame legal coin. But the monetary unit is formed the mare current, \(2 \frac{1}{2}\) of which are equal to Prussian thaler. Ilanburg for a long tine only issued small coin suflicient to supply local demand.
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mare or fine silver (fized value
mare of fine gold
100 llamburg mares banco
100 l'russian doltars couran

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The weight for gold or silver will be theme pound from July 1, 1868.
In addition to the Giro, or depasit on llamburg, which was founded so far backu Banks], two joint-stock banks were exth Fiere in 1856. Ono of these, the North Bank, has a capital of \(20,000,000 \mathrm{~m}\). \(1,500,0001\)., which has been wholly paid on capital of the other, or Union Bank, is o the same as that of the latter, but only 4 m . banco, or \(300,000 \mathrm{l}\)., of it has beea They discount bills, make advances on \(p\) m transact all sorts of banking business.
Measures and Veights.-A new remi these was effected by an Act passed ic 1858.

There were before in IIamburg 3 dif of pound weights :-
1. The bank or silver weight (form Cologne, weight).
2. The commerciel weight.
3. The apothecary weight.

One pound bank; or silver weight=? mare (Cologne) is \(233 \cdot 85189\) grains, Dutch As. \(=100\) marcs \(=62603+\) End pounds.
The old relation between the commet and bank weight, by which the commer was equal to 33 등 oz . bank weight, his firmed by the Act of 1843 .
I centuer \(=112\) pounds; 1 pond \(=\) \(o z,=4\) drachms; 1 drachm \(=4\) pfeniss


1 'schifipfund,' in comanere \(=\) ? 20 'liespfund ' ot lit lbs. each, or '20

1 'schiffpfund' by land cartige pfund,' cach of 16 pfund; is, therefor

A pipe of oil is \(8: 20 \mathrm{lbs}, \quad 1\) barelof willow and hoops) is taken at \(2: 4 \mathrm{k}\) common hoops at 280 Jbs , nett.

But the inconveniences of such as obvious to require being pointed out; viate them, provision was made in cluded in 1856, by the Govermments Hanover, Drunswick, Bremen ta duction of a uniform and simplestra These, which have siuce beca of are \(3 \cdot 1759\) per cent. heavier that the
(n) Hamburg ft
ho
ho
on ", ",
on
cey is geacraly s, of 16 s., peeh
banco and curse banco and curren as insenbed in th the names of thes bullion in the Ras at the rate of to mare: of fine silve taking silivet at is d, which makster d schilh, banco ta! considerable ugio
nlated by a lared 4 I the Prusianths e silver) becamp ry unit is formed nich are cqual to for a lonet time dicient to suphy
\(=07\) mars 19 xtail 1 n


ver will be theme
o, or deposit the ded so far back sf banks twere eitav ese, the North \(G\) \(20,000,000 \mathrm{~m} \mathrm{~m}_{1}\) a wholly paid up yon Bank, is now itter, but onlr 4 , If it has been pas 2 advances on gious ng business. - A new regur 1 Act passed in Iamburg 3 differe or weight (form sight. ight. ilver weight \(=\) ? 85.189 grains, \(s=62 \cdot(b j 5 \cdot t \mathrm{En} 2\)
een the commers hich the commen ank weight, has 343. uds; 1 pound= chun \(=\frac{1}{2}\) pfennis
theip introdiaction. begides its other effects, has, of reich in this eity, and the othes charged by ferred to, in the proportion now stated countries reThe Enclish cquiralents of stated
wres and weights will be found in the surf meatalle.

\section*{Merasures. \\  \\ Weights. \\ 10 mec lbs. or 1 centner \(: \approx 110 \cdot 2.52\) avoirdupols \\ n}

Lonq Measure.-The Hamburig foot, divided el. inehes, of 8 parts caeh \(=0 \cdot 2865^{7}\) metred Ant Parisian lines \(=11 \because 89\) ling. inches mes-
(19) Hamburg feet=9.1.021 bingl'sh feet
10.
Mi
thenish fect

Elle= 6.681 Eng. vards
tuls \(=12681\) Eng. yards.
ie in frabant elle (or long cll) most commonly
285 Eag. inches.
- id lasure
fis orjocimen \(;\) I anker \(=6\) aurns, 1 b aum \(=4\)
*ublchas; 1 stilibchen \(=2\) virertels; 1 vierte
patters of Oessel; 1 eimanens; 1 lianuen cedi=1 a aums, or 6 nalkers, or viertols; 1 d 8 quartiers or bottles.
stibechen contains
\(=3\) Pel lites.
Hamhurg cubic
nebs=l.59.30
\(72 t \cdot 19\)
Foglish imperlal gallons.
 3.32 11 ss Vrusstan quarters.
foll beer barrel conta mass.
artiers; the small barrel only stabehens, or ques; the small barrel o:nly 32 stubehen or
quartiors.
finegar barrel contains 30 stiibeliens, or 120
thale and tish oil barrel contains 32 teel. 128 quartices; 2 whule oil burrels reel.
Meusure-(Com is now (1867) sold by
ad the last is supposed to contain in soll
\begin{tabular}{|c|c|c|c|}
\hline Jhe arair. & & & \\
\hline  & Mite & & lus. avo \\
\hline 4,40 & Mess. & & 5.016 \\
\hline - 3 , 60 & leans & &  \\
\hline
\end{tabular}
re, Iinaburg last is taken at 11 inn-
retes, 31 heetolitress 57 Prussian schef-
harrel enth, and \(16 \frac{1}{2}\) hussian chetwerts inches of heatins (when the 1,453 Inswinches of headd or heaped measuro is \({ }^{4388}\) autbic inches
mourg ship hast, or last of commerce,
senlerally stonds, or 3 tons (not 4,000 seeneally stated).
-lhe exports of grain from Hanbure
art on the harvests in the Hanburg
the Elibe, butt more, perhapeombtries
country. In our custompls, on the
of corn de. from the listoms accuruts,
hie agregegate, hut thanse fatic Towns to full \(z\) or \({ }^{3}\) of the from Hamimportant trade in whole.
ef lomer American prinan liuens to
gratily fallen off, possessions has
uis is a consc(Sec post.)
4. Bullion aud cung.
quence of the competition of \(\quad 663\)
to spins of her superior mach of England, who, by other bit to pronlueo clothery, is able not only import of ley. On the other cheaper than any import of linen yams from Eus hand, however, thie gressively angmented. Lastage and Custom
and other fureign vessels
burg burg vessels. For clearing in the same as Hamis consintered as ourge are made; visiting elearing out, vessels are paid one voyage, and the thing the port
essely are paid as follows:- and the charges ont
For vessels
cording to vessels arrived seawarit
of 6,000 to ins 8 surement, for every congroes ac-
It is difiticult courant ( \(40 s_{s}=1\) thaler courc-hast a last to a toult to determine the thaler courant). \(2 \frac{3}{4}\) to 1 . 1 , but it may be take exact ratio of measured br the in Hamburg at about 3 or his report the the harbour-master, all vessels are The following the lastage is calculated it is mon 1. Only folling deductions are allowed. seaward in the duty is paid flowed:seaward, the cargoes of which for- vessels arriven of cement, cement stone, tiles consist exelusively in as ballast, slates, stones, or other art, herrings, 2 ballast.
a. Entirely free from duty are
seaward, the cargocs of which all yessels arrived ot coal and cinders, in caso the consist exchusively also leare in vessels arriving in lave in ballast, There are ballast.
There are no dutie
For all vessels laden with conls, wrod navigation. asstage is paid, provided they do not tale turt, no
cargoce. Malr Zastayg- Vo departing with a cargo pay arriving in ballast and according to their destination the above lastage, N.B.-Exclusive destimation.
all remarkablysive of thederate above dues, which are port of Hamburg are obliged to soming to the (See Fanover, called Stade or to pay certain dues
Duties.-The import anshausen ducs.
fore the year 182.412 per cent export duty was be sca, on 125) on goods iment. (eourant for bameo, sa, and \(\frac{3}{2}\) per cent. (courant for and exported by eonvere received and transported by lo) for such conveyance; but for soms yeard by land or river on imports. Ticed, and are now only duties have however, eutirely freater part of the ing per cont however, entirely free even of of the the impors are All export the following statemerve dutics, as 180.j.) export daties are abolished staments:Aceording to the latest
December 31, 1862, the arlicles ens regulations, of the articles passing duty tree
factured girths of flax, silk, flax, yarn and mamu
inen cloth, and empty bags.
2. Coru, potatore y bags.
3. Ummnnufnctured and rape seed.
rough spelter and old zopper and brass, copper ore
vessels cobalt ore, bell metal and niekel ore
4.
saste derived from the preorked golld and silver,
tones ore and ore containing metals, gold dust
5. Printed bearls, and jewels. silver, precious
6. Oil col books, music, maps
guano calkes, bark, hones maps \&e.
7. Coals, codi manare. of various kinds,
for burning, chalk and turf, timber, staves, and wood
8. Live animul

\section*{HAMBURG}
and lecelies, game and poultry, fresh fruit, and various agricultural productions.
9. Passenger luggage, dowries and heritages ; bout in part under certain conditions and restrictions.

Goods in Tronsit.-The rate of customs duty upon foreign goods imported into Ilamburg (with the exception of certuin duty-freo articles) continues at \(f\) per cent. enrrency on banco ad valorem; bat a modification of the former regulations touching the declaration of goods in tromsith has lately been made, accorling to whieh not only liambirg citizens, but foreignems, are enabled to declare goods in trussitu upon payment of a fee of 25 mares courant on the transiction, and depositing or giving security to the Government for 1,000 mares banco.
'Ihe levy of duties in Hamburg is conducted in the simplest manner, and on the most liberal footing. No vexations forms cheek the lree intercourse or the free course of trade; the entry for duty is merely a declaration of the current value at the time ; transitn articles remaining in warehonse for exportation require a mere declaration to that effect by a burgher or citizen.

In levying duties, no advontage is clamed by Hamburir for vessels bearing her own thag; goods by all vessels, from whatever quarter of the world, phying the same duties. Though she now carries the Feleral llag, she, like the other IIanse 'Towns, remains a free port ontside the Customs frontier until she signities a wish to be ndmitted to it. But for this privilege she is obligen to pry an annual sum, called an aversum, equivalent to the enstoms duties that would otherwise have been levied within its territory. It amounted to \(7 \mathrm{I} 0,160\) dollars, or 106,5301 .
The low rates of duty in IInmburg is a proof of her anxious desire to encourage trade with all nations: and the more so when we consider the rreat expense she is put to in keeping up buovs alomer the Lower Elbe, and other necessary charges for navigating that river; expenses which consiterably exceed the total sum received for luties. The total amount of customs duties received in 1 stio at llamburg was 578,175 mares comrant, or 21 per mille ad culorem.
Custom House Regulutions.-On a vessel's arrival at Hamburg the lroker reports her to the Custom IIouse, gives his guarantee for payment of the duties, telivers her papers, and the vessel is allowed to inloat. On clearing, a manifest of the outwart cargo, together with the consul's certiticate of the regralarity of the ship's papers, must he produced at the Cinstom Ilouse by the broker, who obtains in return a clearance certilicate, authorising the vessel to go to sea.
Credit, Brokerage \&c.-Amost all goots are sold for ready money, with an allowance of 1 per cent. for diveoumt. Sometimes, but not frecpuently, sales are made at 2 or 3 montha' eredit, and in such cases a higher price is obtained than for cash.
Brokers are positively forbilden to act as merbants or factors. They are licensed, and must conform to the established regulations.

Brokerage is paid wholly by the seller, and amomints to-
'Five sixths per cent. on cotton, cotton-twist, acoa, cochineal, copmer, hides, indigo, manulactured goods, nankeens, sugar, and ten.
' One jer cent. on annotto, camplire, cimamon eardamoms,* cassia,* cloves,* drugs not denominatel,* deer skins, dyewoods," ginger,* jalap,* mace,* mutmegs,* pepper, pimento, potashes, 1'ermvian bark, quercitron bark, rice,* saltpetre, sarsaparilla,* shellac,* tamarinds,* tobacco in
leaves* and tobacco stems,* of the growth of the
United States of America whate
United States of America, whale oil, vancllines,
' N. IB. T'obaceo stems* of all other arimi cigars, and other manufactured tobneco, paying cent.; all other leaf and roll tobacco it lur cent.
' 1\% per cent. on wine, hrauly, ram, an arrack, if sold in parcels amounting to 0, math mares banco and upwards.
ch per cent, on ditto, for sales of and unde 3,000 mares banco.
- In auction the selling lanker is entitell to ! per cent. and the purchasing broker to" per ent. without regaril to the amount.'

All articles markel (*) pay the brokerazotefore mentioned, if tho quantity soll amonnts io sing mares banco, or higher; for smaller lots of 'ina than 600 mares banco, and down to 100 , mate banco, the brokerage is paid, with the mulitiong \(\frac{1}{2}\), and under 150 mares banco the double is nllowed. All other merchandise pays 1 . perceat, at least for sales not exeecting \(1: 00\) mares hatwo

It is, however, to be observel, that all ansmes ations, in preportion to the amomut sold are und stowd to be applicable to sales by private cuatrat only, and not to those by ancion; and even mat to such private sales where a broker has mavete purchave of a larger quantity of goods aloret th said amount of 600 mares banco, and las of wards tivided it into smaller lots.

Conditions of Sale. Imports.-Coffecis shlp pound in schili, banco; diseount, 1 per ceat,: weight is \(\frac{1}{2}\) per cent. Tare is as tollows: wiz. casks, real weight; on bags of 130 lbs . or lese lbs.; nbove 130 lbs. and not above \(180 \mathrm{lbs}, \mathrm{ill}\) above 180 lbs and not exceeding \(200 \mathrm{lb},{ }^{2}+\) On Mocha bales of about 300 lbs., 14 lbs: if lbs., 50 lbs. On Bourbon single bales, 2 ids; donble, 4 lbs.
Cotton is sold per llo. in sehill, bneco: di 1 per cent.; sood weight. 1 per cent.; tane bales, West Judian and North Atnerican, 4 cent.; on square bules, 6 per cent. ; on bon and Surat bales, 8 per cent.; on Buarthan \(b\) and Manilla serons, 6 per cent. ; on Caracas Guiana small serons, 10 per cent.
Bast Indin piece goods are sold per piee marcs banco ; discount, 1 per cent.
Flour is sold per 100 lbs , in marescurrencr, certain agrio; discount, 1 per cent. ; good w 4 per cent. ; tare, 20 lls. per barrel,
Fustic is sold jer 100) lbs. in mares cum agio, 20 per cent.; discomint, 1 jer ceutt: weight, 1 per cent.: and frequently an allor in weight is made, if the wood is not verres Indigo is sold per llo.; discount, 1 nercent: weight, \(\frac{1}{2}\) per cent. ; tare, if in sermis min 120 bse., 22 lbs ; in \(\frac{1}{2}\) serons less than 120 lo jbs.; in chests, real tare.
Logwood is sold like finstie.
Pepper is sold per lb, in selill. bateo dibe 1 per cent. ; grod weight, 1 per cent.: tar, single bales of 300 lbs., 3 lis.; in doblite 6 lhs.
Quercitron bark is sold per 100 lls , in currency; agio, 20 per cent.; diseount, ?pet rood weight, 1 per cent. To determine the the American tare is reduced to thas weight.

Lice is sold per 100 thas. in nares lane count, 1 per cent. ; grood weight. I per and real; and super tare for tierees, 4 ibs, firfo 2 lbs.
lium is sold per 30 quarts in nix doll ea agio uncertain.

Sugar, raw and clayed, is sold per lu, in groats ; discount, 1 jer cent., and sometive

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weint, 1 pe leaf in seron in latiets of per baket ; un in linen, a bico rolls, goo the plls are \(w\) cerons of dot chillings bane the jer seron. wacrtain; dise per eent.; tare, p with conds, : bichess of the ntr the numbe wheco. and the \(n\) ading:
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the exchunge bus great; for, lesicle of the merchants thils secmetiated ontunal charge for contw and 1 per cen ier particular ared: considerably from lisenship,-Fioreign sas merehnores, or bets: and to bo It Ia,
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-Cofec is muld - 1 per cent.: s follows: viz. 130 lhe or lese, we 180 lus.atls \(900 \mathrm{lbw}, 4\) \(3 \mathrm{~B}, 14 \mathrm{lb} .\), if le bules, 2 its ;
1. banen; disons er cent.; tare 1 Arnerican, 4 cent. ; on Bont on Bourbons : on Catacus nt. soll per piee cent. mares curreacy sent.; good his arrel. in mares curn , 1 per cent.: uently an allos \(d\) is not verrsit nunt, 1 per cent: un scrons upmand less than lyive
hill. banco; dike per cent.: tix lbs.; in double
ant: ; Brazil or Havannah ehest, gool HAMBURG
pert cent. ; real tare ; super-tare, 10 lhs. for Br ht, \({ }^{\text {? }}\) and 3 lbs for Havaunah sugar, per chest. Mus, mumas ia casks, good weiglit, 1 per cent. ; tare, if the eaks weigh upwards of \(1,000 \mathrm{lbs}\) s, 18 per cent if les, 20 per cent. Clayed sugars, pood weit. 1 per cent.; tare, 16 per eent. Enst hudia sulgars, in bage good weirht, 7 per cent.; tare for white, 4 taills.; for lirown, tis to 7 lbs .
ra, per ll. in schill.: discount
Soul weight, \(\frac{1}{}\) per cent. Tare of wole per cent.

 Thuraco,--l.eaf tobreco is sold per bance, agio uncertain ; discoment, 1 ner per in schentl. weipht, 1 per cent. ; tare per cask, 80 lbs ; sooil lafin verons: tare, 5 per eent. In rolls ; canister
 at hasket ; tare, 14 hus if the basket is 1 ll . wuin linen, aud 12 lbs , if withonst linen. packed Reie rolk, good weight, 1 per cent.; no Porto be rolls are weighed by themselves. Brazil re, as anemons of too to \(600 \mathrm{lbs.} ,\mathrm{are} \mathrm{ses}\). Brazil rolls, chillings baneo ; pood weight, 殅 per cent. ; t tare, as. jee serm. Tobateco stems per \(100 \mathrm{lbs} . ;\) arrio warerain; discount, \(1 f\) per cent. ; gool weight, 1 wnith curls, 2 to 4 nes real weight ; if packed up with corrls, 2 to 4 per cent. according to the aly the number of packatres tobacen in rolls, twaree and the nott weight, without mentio roll we number of rolls, shoulld appear in the bill ong nding
(hase (widlow) is sold per ehest, in mares the chas ware per picce, dozz, or 100 , in schilling; rmars currency, with uncertain agio ; diseougs petent.
Hlare' wool is sold per 2 lbs . in mares; diseount, er cent.
Hate skins (Greman, crey) are sold per 100 wes in rixiloll. banco ; hussian, grey, per \(10 . t\) w. aionnectrain; discout, white mares curIronis sudd per 1000 ; discount, 1 per cent.
 cupper is sold per 100 lds . in schill. banes; diss the exchaure
rgeat: for, hesides the busiuess ilamburg is furthe merechants in the business of the place, of fils nerertiated there the inland towns hare tur dinted there.
cant, aull 1 per cent. for \(d\), rantee be required. fartartienlar arreements, on purchases, 2 per cent. arparieulur aqreements, the rates sometimes
considerably from the abuy ienshlip.-Foreigures above
sis merchants, or fearry out establi -1 themora nanes, at llambery on auy busiuess in ters; and tobe namburg, without becoming the guild or cor matacturers, they must also mean to follow. "ition peculiar to the trade timer has only to , to to become a burgher, ar certain fees, whi 'ply with certain forms Hie then becomes, in tho not, in all, exceed harg subject, and cujurs eye of the law, a ge of a native.
crubury \(\xi^{\prime}\) c, -All sirts of insurances are of surace of all housipes witgulation compels rying according to the within the city, the mant of loss. Marine insurauce of ifres and efleted by joint-stock eompance is princiresereral : theirir compenpanies, of which miums to the lowrost leveltion has rellueed understonid to be prost level, and the husine 3 , on policies of insurance in prethis The high to the insuring of a good many English Exchange.
ships at Hamburg. The value of 665 nssured at IIamburg against alue of the property \(608,358,300\) mares were insured by compo, of which \(513,898,900\) private iusurers. Lifo ins, and \(124,659,400\) by cuted in Germany to any infance is not proseInt some of tha Eng to any considerable extent ; here, who are sain not to bompanies bave areut Banhruptey.-Considering sery scrupulous. merchants and tradespeople the vast number of ruptey is not, in general, of fre hamburg, bankMueh of the businges, of frequent occurrence. being on comme busioness transacted at Ifambur abroad, the failurion and for account of lomburg valent sure failure of foreign mecconnt of honses valent source of bankruptey merchants is a prebamkrupter is losses on ey. Another source of ported on speculations on goods imported or of the funds, in which a mod oecasionally losses in on here. Expensive good deal of gambling yoes valent a Eource of be living is not nearly so goes and other pource of bankruptey here as in so preTho law of pes.
bankrupts-the lamburg makes three classes of fraudulent. The first books show that misfortune consists of those whose the bankrupter: that the nlone has oceasioned within his probable inco party has all along lived his assignees completely for and can aecount to ever is adjumged by the court this losses. Whoclass (which contains but ferr to belong to this sidered entirely free from few in number) is consulbject to be callell upom lis debts, and is not and most munerous class hereafter. The sceonel 'careless' bankrupts. These arions those termed entered into speculations eare persons who have Who have gone on for a expeeding their means, hey finuld their affirs in ariderable time after beyond their income, have not 解, who have lived poud order, and so forth not kept their books in confined in prison for a They are liable to be and proviled they have period of 3 or 6 months per cent., may be callei unot paid a dividend of 40 debt after 5 years from their disclayment of their be made by any creditor after therge. If a claim the bankript is obliged to after this lapse of time, is able tor the benetit of pay whatever sum he swear that he cannot pay nay creditors. He must a certain sum, without pay nnyt hing, or not above family of necessaries depriving himself and his may be repented. All careless 5 years the claim abled from holding offices of bounkrupts are disclass contains the 'fraudulent' honour. The third liablo to be imprisoned, accor bankrupts, who are of their frauls, for a limited life, besides being rendered perion, or even for ing any otlice whatever. abseoni, he is called upon Should a bankrupt inent to appear by a certain pyblic advertisowhich he is aljudided a fraudulay, in defantt of his name is posted up on a black bankrupt, and

\section*{I. Simprivg and Naifgationg}

The obstructions and daugers that attreh to the narigation of the Elbe have long been a sul people of Minnburg. Mitlon to the Senate and has been done to effect any motho, however, but little and the difliculties to to any material improvement: and the expense the be overome are so very great, on very heary, that it would have to be incurred. that anything on at is not, perhaps, ve:y likelattemptecl. A plan for deat seale will be speedily. the river and forming a depening the chamel of be aecomplished at an harbour at Cuxhaven 10,0001, was proposed an estimated expense of 1854; but the death of by Mr. Rendell, C.L., in
all but universal belicf that the expense would In the five previous years the number of arrivals really exceed twice or three times the estimated sum, have hitherto prevented any steps being taken in the matter. No doubt it is one of vital importance not mercly to Hamburg, but to all Germany, and, in some measure, to the conmercial world. In his Reports of February 1867 and May \(15,1868, \mathrm{Mr}\). Consul-Genernl Ward holds out hope that the evils so long complained of will soon be corrected through the instrumentality of the Rivers Commission.
The Quarantinc Regulations that were formerly enforced at Hamburg were not a little oppressive, but we are glad to have to state that they were repealed in 1856, and that a new and comparatively liberal code has been enncted in their stend. The latter directs that no vessels snve those from the Black Sea, Turkey, and certain specified portions of tho Mediterrancan, or from ports deelared by the Senate to be suspeeted, are to be subjected to quarantine at Cuxhaven; and these, except under very suspicions circumstanecs, are to be immediately set frec. The old charges have also been abolished, and those adopted in their stead are extremely modernte.
The following information is extracted from Consul-General Ward's very instructive Reports for 1866 and 1867:-
The number of sen-going sbips, whether sailing vessels or steamers, which arrived at the port of Hamburg, from all parts of the world, in the year 1866, was 5,185 ; their total barden 590,007 commercial lnsts; and the total number of their crews 61,194 men; whilo in \(1867,5,055\) ships arrived, of a totnl burden of 636,037 commercial lasts, and with crews in all \(63,858 \mathrm{men}\).
\begin{tabular}{|c|c|c|c|}
\hline Year & Shipm Arrived & \({ }_{\substack{\text { Hurilen in } \\ \text { Commerchal } \\ \text { Lasts of } 3 \text { Tuns }}}\) & No. of Creas \\
\hline 1561 & 3,219 & 441,075 & \\
\hline 1862
\(1 \times 63\) & 5,0193
5,513 & 483,71 & 31,890 \\
\hline 1861 & 3,
5,012 & 481,216
46,469 & 6.5,125 \\
\hline 186 & 5,156 & 343,735 &  \\
\hline A rerage of the
five yearn -\(\}\) & 5,208 & 473,011 & \(3 \mathrm{j} / \mathrm{P} / \mathrm{A}\) \\
\hline
\end{tabular}

Tho number of ships of every description which sailed from tho port in the year 1866 was 0 , 20,0 which 3,254 were laden, and 1,959 in ballast, their total burden was 592,250 commercial lasts while in 1867 the departures were \(5,071 \mathrm{shipg}\) of 637,583 commercial lasts burden, amil with \(6^{\circ}, 8_{0}^{\circ}\) men for crews.

\section*{II. Trade and Comsterce,}

Imports in 1866 .-The extent of the impon trude in 1866 cannot yet be ascertained from ofticial authority. Judging from the amount of Customs revenue leviedl upon imports at the ate of 4 per cent. nd valorem (except such impons ns are duty free), the totnl imports woull be ratho less in 1866 than in the previous year, the (cse toms having yielded 771,657 mares courant 1865 , and 740,691 mares courant ( 46,2001 . sterline in 1866. On the other hand, the excise daties articles of consumption yiclded 141,190 marg courant more in 1866 than in the previous mata and it would be prematare to infer from the sip falling off of the Customs duties a geaeral dia nution of the trade of the part.

Account of the Quantities and Values of the Principul Articles of Domestic Produce Exported in the Unitcd Kingdom to the Hanse Towns (about 4-5ths being for Mamburg) in euch of the 3 for ending with 1866.


Imports in 1865, 1866, and 1867.-Adverting to vears on record, but that their value \({ }^{n}\) the gencral trade of the year 1865, for which less than that of the imports in the the official statistics have been published, it year, owing to the fluctuations in price appears that the imports into Hamburg were heavy articles. The following is th greater in quantity than those of any former statement:-

MERCE,
at of the import ascertained from m the amount of mports at the rate ept such impons 'ts would be rathem Jus year, the Cous. mares courant in (46,2001. sterting re excise duties on ed 141,190 mary fer from the sit ies a general dim luce Exported frt each of the 3 Ia
red Real Salue 1865 146
 81,403 commereial lasts belonged to the
hurg is an important port of emigration to


Schleswer natives of Polstcin. Prussia, Mecklenburg, and
Commercial Cris.
of 1857 was more \({ }^{2}\) ses of 1857 and 1866.-The crisis else, either in Europe or sely felt here than ane crisis overtrading, whied or America, The ayywhere Hamburg for a conthad been gaining protem of tended in 1854 and 18.5 colbute time, was ground at and the carlier portion, but more, esplecias greatly exsorts of cills wer portion of 1857 . In these espally in 1856
with

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& \text { and on the aggregate burden of inmbirgr }
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068 Wuatities and Vahes of the Principal Articles Inported into the United Kinghom Account of the Quantities and Vahues of the Principal Articlerg) in cach of the 3 Years ending weth

prices of ineir ordin
But sev noment, it Las put in speculation With all 80
be hoped tl una will es of so ruinou bankruptcie: 1 apertrade analties, The effert: stif were fel It \(1804, \mathrm{es}\) We have from yarions communicatio able and clabo lo will be us. the lendiag an bure las increa fallen off withi culars will be fo thole:-
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Evfactires of cotton,
* Not distingaished in the eatries prior to the year \(\times\) as Government of the ciryp
possessed of funds, and were enabied to enter into all sorts of undertakings. the resinsions. It opmiformly follows on that are believed to be nearly pears from returns that abilities of the Hamburts accurate, that tho bill habin in 1853 to \(133,173,000\) merclants, which amounted (nearly \(10,000,0001\).), had increased marcs bance 1857 to \(278,268,000\) mares banco in January. \((18,620,000 \%\), and that in the mithle of Nov., on the eve of the crisis, they amounted this increase of mares banco ( \(21,097,6881\).) ! And by a great inbills was necessaris of most sorts of produce; which, crease in the price to be occasioned hy the intins however, was said to be occasion! lout the proof Australian and Calitornian golinity carried on ; cess of intation came London houses, connected and the fall of song and Swedish trade, led to the with the lamburg a be bubble. Overweening
immediate bursting of the
contidence gave way to the most unreasonable abcontidence g
prehensions. The Government of the che every eftort to support ceen applicel fir and suspected honses, and erinu Governument a ha tained from the Alstrian (o assist them in \(15,000,000\) marcs baneo to assis ther that wo object. But nothing cont The multroen had 10 real foumiation the greatest exeats that had overtraded to the foll the stimes the first to fall; and in their crestroyed. the crent in some cases destroyec. their cmicems with houses that had me. In all about yivn houx pendel payments in the course of amat pendet payments of these, alout 50 were sbbepert monthe. boukrupts; but the others harime declared bankripts; but the others hinito rivate arrangements with their crection he sanction of a law passed for the the losses they sustaincd are not hivin almost needless to add that the tared amost ncediess to an enoranous heighty

\section*{hamburg}

\section*{prices of commodities, immediately foll back to
their ondinary level.}

But severe as the crisis of 1857 was at the mument, its eflect has been most salutary the las put an end, at lenast for a while, to this wit speculation and overtradine that are in the whit with all sound commercial pursults; be hoped that tho Govermment and ; and it is to tura will exert themselves to and peophe of the it so ruinons a system, by suljecting those whose bankrupteies may be traced to recklessnese, whose in orertrading or in expenditure, to the severest chalties.
The etfects of the English financial crisis of 1 sitif were felt on the German exchanges throughaut 1807, especially as tho monetary conditionWe have derivalf of 1867 was not satislactory. from varions sources, but priucisull this article communications of eminent merchantly from the alle and claborate Reports mercliants, and the and present consul at IIamburg. Majesty's late It will be useful as well as.
the leading articles in which the trate to recorl Jurg has increased during the the trade of Hamas well as thoso of which the impor 25 years, falle off within the same perioul. These particulars will be foumd in the following comparative
talle:-


Chind minseatic League

\section*{mein. 7}

\section*{HANKO BAcon and Masts.]}
the river ports in China most important amoner Tientsing. The Chinese opened by the Treaty of chief commercial citios reckon it anong the fivo mands the most evteres of the empire. It comthe world. Its latitule river commmaication in gitude \(11.1^{\circ} 19^{\prime}\) in."'s lithe is \(30^{\circ} 33^{\prime} 51^{\prime \prime} \mathrm{N}\)., lonis \(58: 2\) geographical mits distance from Shanghai centre of China, at the junction is nearly in tho Yangtze. It was tirst visited of the II Ian and November 7, 18;38. In 1861 by Lord Klum on settlement was selectell, with sote for a Britisla to the river, by 100 to 600 wath 800 yards frontage IIankow, with two athords in depth.
neighbourhoor, is estimater cities in its immediate inhabitants, of which bionted to contain 1,000,000 the self. The depth of the river athr to ILankow the Han, aceording to the Chiner the month of fithoms in December, and Chinese \({ }^{\prime \prime}\) 'lot, is 11 In the summer of 18 Cb the river more in July: Thoye its depth in the previous winer was 50 feet The export trade of previous winter. rea, silk, wool, nil, tobilcco, and vensists chiefly in \(12,685,231\) ted in value to \(13,452,8\) veretable tallow; 12,685,231 tacls in 1860. Of this taels in 186.1, than half is represented of this amount more tea has been transhiped by ten. Mueh of this has been loaded at Hankow Shanghai, but sone


Woollens, silks, opiun, chiefly cotton piece goois, and amounted in 186.4 eopper cash, and surgar. and 11,007,300 tacls respectively \(186 \sigma^{\circ}\) to 10,862,21; of IIankow as a market for coly. The importance is rapidly increasing, especittons and woollens The importation of copper ecashly for the latter. teas in the interior. The navigation.
Somewhat dangerous. So Yangtze is difficult and in 1866, that the rates of many lesses ocenrred frosels rose to an ahnost prohibitive on sailing from 1 to \(2 \frac{1}{2}\) per cent, the regulatiomomit, \(i\). c. ducting British trade on the regulations for congiven in Williams's Chiuse the Aagtze river are The trade with Hankow, accordineial Guide. Mayers, Demuys, and King ( Treoty Pord to Messrs. of Japan), is seriously hindered by the of Chine imports. (Cong credits to the native burnctico imports. (Consnl Medhurst's Report, buyers of April 18, 1867.)

Three foreign banks
HANSEATIC LEAGUE agencies at Hankow. the principal cities in the An association of Prissia \&c. for the better carrying of Germany; merce, and for their mutual carrying on of comThis cenfederacy, so celcurated in and defence. tory of modern Europe, contribu in the early hisdegree to introduce the bontributed in no ordinary and goed goveriment into the the of civilisation tension and protection of the North. The exever, its main object; and commerce was, howof it may not be deen; and hence a short account this descriptien. Origin and \(P\).
-Hamburg, founded by the Manseatic League. nintl, and Lubcek, found Charlemagne in the the twelfth century, were the eartiest middle of the Lengue. The distance between them of
being very considerable, and leeing alike interested in the repression of those disorders to which most narts of tiurepe, and particularly the coast of the Baltic, were a prev in the twelth, thirtecoth, and fourtenth centurics, they carly formed an intimate political uniom, partly in the view of manntaining a safe intercourse by land with each other, and jartly for the protection of navigation from the attaeks of the pirates, with which every sea was at that time infested. There is no very distinct evidence as to the perion when this allime was consummated: some ascribe itsorigiu to the vear 1169, others to the yenr 1200, and others to the year 1241. Riat the most probable opinion seens to bo that it would grow up by slow legrees, and be perfeeted accoriling as tho aulvantate derivable from it became more obvions. Such was the origin of the Ilanseatic Learue, so called from tho old Teutonic word hunsa, signifying an association or confedernes.
Adam of Bremen, who tlourished in the eleventh century, is the earliest writer who has given any infonnation with respect to the commerce of thie countrics lyine round the lialtic; and from the errors in'o which le hats fallen in describing the northern and castern shores of that sea, it is evident they had been very little frequented, and not nt all known, in lisis lime. But from the beginning of the twelfith century tive progress of commeree and mavigntion in the North was exceedingly rapid. The commtries which stretel along the bottom of the Laltic, from Iolstein to Russia, and whieh hat been oecupied by barbarous tribes of Sclavonic origin, were then subjugated by the kings of Denmark, the dukes of Saxony, aind other prinees. The greater part of the inhabitunts being exterminated, their place was lilled by German colenists. whe fommed the towns of Stralsund, liostock, Wismar \& c. Prussia nad loland were afterwards sulijugated by the Christian princes and the Kuighlts of the Teintonic Order. So that, in a comparatively short period, the foundations of eivilisation and the arts were haid in countries whose barbarism had ever remained impervious to the homan power.
The eities that were established along the coast of the baltic, and even in the interior of the conntrics bordering nion it, eagerly joined the Hanseatic confederation. They were indebted to the merclants of Lubeek for supplies of the commodities produced in more civilised countries, and they looked up to then for protection agrainst the barbarians by whom they wero surromited. The progress of the League was in consequence singularly rapil. l'reviously to the end of the thirteenth century it embraced esery considerable city in all these vast comntries extending from Livonia to Llolland, and was a matelf for the most powertul monarchs.
The Ilansentic confederacy was at its lighest degree of power and splendour during the fourteenth and lifteenth centurics. It then comprised from co to 80 citics, which were distributed into 4 classes or eircles. Llibeck was at the head of the tirst circle, and had under it Ilamburg, Bremen, Rostock, Wismar \&c. Cologne was at the head of the second circle, with 29 towns under it. Brunswiek was nt the hetd of the third cirele, consisting of 13 towns. Dantzie was at the head of the fourth circle, having under it 8 towns in its vicinity, besiles several that were more romote. The suprenie authority of the League was vested in the deputies of the dufferent towns assembled in congress. In it they discussed nll their measures; decided upon the snm that each eity should contribute to tho common fum, and upon the questions that arose between the confederacy and
other powers, as well as those that frequenty arose between the litferent members of the cail felleracy. The place for the meeting of conm was not fixed, but it was most frequently hedt Lubeek, which was considered as the capital the League, and thero its archives were ker Sometimes, however, congresses were huld al liamburs, Cologner, and other towns. They med unce every 3 yents, or oftener if ocension requir The lettirs of convocation specified the priviefing subjects whiel would most probably be brould under discussion. Any one might be chosen fora deputy ; and the congress consisted not of chmits only, but also of elergymen, lawyers, ariss de. When the deliberations were coneluded ti decrees were furmally communicated to th magistrates of the citics at the lead of ea circle, by whom they were subsequeaty mon municated to those below them, and the m vigorons measures were adopted for carrying them into ellicet. One of the burfomasters of Liblued presided at the mectings of congress ; anl durnz the recess the magistrates of that city hal w sole, or at all events the principal, directivn of to affairs of the League.
Desides the towns alrealy mentioned, the were others that wero denominated confeders citics, or allies. The latter neither countributd the common fund of the League, nor sent depatio to congress ; even the members were not all the same footing in respect to privileges: anit internal commotions by which it was frefuctel agitated, partly originatiug in this calue sil partly in the discordant interests and conticitin pretensions of the different cities, materilitim: paired the power of the confederacy. Butinu spite of these disadvantages, the League succerde for a lengthened period, not only in contrultits its own refractory members, but in making ite respeeted and ireaded by others, It prodere able generals and admirals, skilful politicians u some of the most enterprising, saccesfui, 2 wealthy merchants of modern times.
As the power of the confederated eitices sis ereased and consolidated, they becane more so bitions. Insteal of limiting their etions to mere ailvancement of commerce and thiei or protection, they endeavoured to acquire the mor poly of the traile of the Nurth, and to excrives same sort of dominion over the Ballie that Venctians exereised over the Adriatic. Fo purpose they succecded in obtainius, prot return for loans of money and partly br: various privileges and immouitics from the To crin sovereigns, which secured to them almats whole forcign commerce of Scandinaria, Des Prusia, 1"land, Russia de. They exdus carried on the herring fishery of the Sowid the sane time that they endeavoured to diat and hinder the navigation of foreign veads the Baltic. It should, howeyer, be obserwd the immanities they cujo. ed were mosirim pensable to the security of their commene consequence of the barbarism that then prem and notwithstanding their attempts at ming there camot be the shadow of a doabt thus progress of civilisation in the North सy, digionsly aecelerate! by the intluence and dancy of the llauseatic citics. They Mp piracy by sea and robbery by land, filidy have broken out again had their porer bea? thrown before civilisation was fully catbie they accustomed the inlabitants to the pras and set before them the example, of god br meut and sabordination; they introdueding then conveniences and enjoyments undaym their ancestors or despised by them, an

\section*{Ler Ditligue} The binis. re isquently anse Turnas, umitted, not 1 mieges acqui
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decilelel prepy
at frequenily es of the comfof congreis uently held at the capital of es were kept, were held at ns. 'Tley met asion requirel l the priucipat dy be browht be chosen fura ad not of mp . lawyer, attist concluded, ti: iented to the head of eath sequently car. and the mo: rearrying then sters of Lillueds cess : and duan; at eity hal the , direction of the
nentioned, there ted confederait! cer contribut to not sent dquitis \(s\) were notallon ivileges: aalths it was frequatut - this cause ant ts and contictios cs, matenalyir. cracy, But iade League succedel: aly in controllins \(t\) in makiug ite aers, It produes ful politicians, x: \%, succesful, times. ated citics was : becauce more so their efforts to to ree and their \({ }^{2}\) acquire the min and to exeriest the Baltic that if Adriatic. Fortz btaining, party nd partly br ing tics from the Dis to them almant audinavia, Deomery They exdusing ry of the Sound cavoured to obsary f forcigu ressels ver, be voservad ver, be vosernis m
1 woitre their comment. a that thea prery ttempts at monope y of a donbt that the North Mis) influence and ais ties. Ther repre by land, rhich their power beeta was fully eitateso tants to the prinqu ample, of good jor ley introduced and oyments unknown by them, and ive

INSEATIC LEAGU1:
did for the pepple romad the ltheniciaas hat done in remoter age, what the round the Mediterranema, and ages for those with then, to bo placed in the first rauk, equally the benefictors of mankind.
'In onder, as has been justly observed, 'to a hapge tield for the prosecution ering tho Baltic a hathe fondustrions nursuits, it wan of commercial wruct ment, still barbarous, in the ecssary to inindustry, and to thmiliarise them in rudiments of de eivilisation. These grent prineiples were ples if the confoderation, and at the elose of the antecath ceatury the Baltic and the neireb the tas had, by its means, become frequentel of commumication between the sorth routes suth. The people of the former were cuabled the follur the progress of the latter in were enabled to tulutry, The forests of Swed knowledge and gare phace to com, hemp, and thy, Poland \&c. wee wrought, and in return the ; the mines manatactures of the South were impurteduce and and rillages were erected in Scanpurted. Towns bats only were before seen; the skins of there and the wolf were exchanged for woollens the bear and ilhs; leaming was introduced; and printins, mas bardly invented before it was and printing Decaark, Sweden \&c.' (Catteau, Tableaused in Sle Paltique, tom, ii, p, 175.) The kilys of Domark, Sweden, and Norway Hanse Turns, They rerarded, andies with the dmitted. not withuut pretty inod, it must be pirileges aequired by the looarue, inson, the formuns, as so many usurpations. But their horts to abolish these privilefres served, for more Pem,
'Un the part of tho Leagrue there wero union donkmatien, and money; whereas the union, firge sambinavian monarchies were full of finoas, tactions, and tronbles; revolution was ardyy was at its height. Thero wad fendal cumsance, not less important, in was another mowtic cities. The popular governments the dished annongst them possessed the respect and eitene of the inhabitants, and were ablo to ent he pablic energies for the good of the state es was not wholly the eit of the contederated undisejulined armies eflect of commerce. To tharmies composed of the princes of the meat to their lords-the vassals without atthe inferior nobles, whose opposed, beFilly rewarded, citizens, whose services they freolsed to dedend their libertied to danger, 7. Their military operatious werties and prodireted ly a coumcil composel of mbined talens and experience, derot of men of ty, revoasible to their fellowed to their ims their contidence. It was chietis, and on the:r mariue forces that the citio, howd. They emploved their ships ine cities deor commeree, so that their indilferent? Fere fitted out at compratir maval armaExclusive, too, or these fively small exInces, the fortifications of theurable cirrere looked upon as imprear the prineipal commerce supplied them asmable; and as hm provisions, it need not abtuntly with ment that Ltbeck alone wot excite our With the surrounding wonarche to carry te them with honourg and advantas, and to 3 that the League should advantage; and decided prepronterance in the North.'
(L'Art de virifier les Dates, 3 me partic, tum, viii
1, 20.4.)
was ono of the explained, the extirpation of piracy the formation of the weach had originally parded to ceased to prosecute. Segrue, and which it never barbarism then so universing, however, to the countenance opealy given ly prevalent, and the nobles to thoseen it was not possible wholly to root it ous protession, vigorous eftorts of wholly to root it out. But tho sance, though not entirelyue to abate the nuirender the navigntion of the sucessful, serven to Baltio comparatively seoure North Sea and the advantage to commerce. Nor we were of signal mote in which the power Nor was this the only directly emploved to prom tho confederiey wa: terests of mankind. promote the common inNhipwrecked mariners from exertions to proteet they hal been subject, and the atrocitios to which tion of shipwreeked, and to procure the restituowners, thourg, property to its legitimate ertions to repress piracy, probably, like their excousiderations enusiderations, were in no ordinary torions, and contributed nothinary degree meriment of civilisation than to less to the advancefration.

A series of resolutions were unanimously agreed Wisby the merchants frequenting the port of League, in 128 the principal emporiums of tho shipwrecked property to its or the restoration of threatening to eject from the original owners, and catorum any eity that did not not eonsolate merto the regulations laid down. not act conformably
Factorics belonging to the
facilitate and extend theircomeagre--In oriler to the League established various factories insactions, comitries, the principna of which weres in foreign grorod in Russia, London, Wruch were at NovoIants, and Bergen indou, Bruges in the NetherNovogorou, situated nt ing.
periof with the Imler Lake, we confluence of the period, the most renowned emporiun in lenghened eastent parts of lurone. Inporiun in the northeleventh century thepe. In tho beximming of the siderable privileges whicl laidats obtained contheir liberty and Which laid the foundation of were at first suboropperity. Their sovereigns ezars ot Russia; bat as the to the grand dukes or territory increased in the eity and the contignous gradually usurped an pophation aud wealth, they ency. The power of ulmost absolute indepentsubjeets seepower of these sovereigns over their excedingly limited same time, to have been onght rather to be ; and, in effect, Novogorod the juristliction of an eloetided as a republic muler a state subject to a elective magistrate than as monarelis possessed of extenine of hereditary During the 12 th, 13 th, and extensive prerogatives. gorod formed the rennd 14 th centuries, Novocountries to the enst grand entrepot between tho cities. Its fairs east of P'oland and the IIanseatic concourse of peope frequented by an immense countries, as weill from all the survumbing from the IIanse lowns, who engers of merehants part of its forcign conumere engrossed the greater its markets with the mmeree, and who furmished of distant countries. manufactures and products contained, during its Novogorod is said to have tonards the midelle of the 15 thourishing periot, of 400,000 souls. 'I'his, however century, upwarls an exaggeration. But its dominionost probably very extensive; and its wenlth and pore thein so great and well esta wealth and power seemed so inpregnable, as to give rise to the city itself can resist the Goils and great to a proverb, Who

HANSEATIC LFAGUE
contra Deos et magnam Xuvarordiam？（Coxe
But its jower and prosperity were far from lefing so tirmly established as its eulogista，nod those who had only visited its fatre，appear to have nupposed．In the latter part of the envine secured Tyan Vasillievitch，czar of Russia，hof the＇artars， his domimions against the conguest of some of und extended his emple indies，asserted his right tho neighbourint principaditeroral，and supported to the princlpality of Noiduble arms．Flad the ins pretedsion aninated by the spirit of umani－ inhmbtans biotism，they mitht have defled his mity and patheir dissensions facilituted their con－ efforts；bit remered them an ensy prev．Llaviar quest，nand reity at the hemd of his troops，I van entered trom the citizens the ehanter of their libertien，which they either wanted couruge or inelination to defend，and enrried off an enorncus bell to Moseow，that has been long regarded with n sort of superstitions veneration as the pallandinm of the city．Ihat notwithatming the derpotism to which Novognorod was subject diriut the reitus of Ivan nud his successors，it continuel for at eonsiderablo period to be the largest as well ans most commercial city in the Linssian enpire． The famons lichard Chancellour．who phasedi through Novogorod in 150，in his way frum the court of the ezar，says，that＇next anto shescon， the eity of Noxghored is reputed the inferior to Roussin；for although it he in moyond it．It is the it，yot in mreatuens it mat town of nill Masovy； chicfest and greatest rer＇s seat is not there，but int and albeit the enferormodiousness of the river Mloseow，yet the cindand，whereby it is well falling into the finfornts，makes it muro fimuns frequented by iterch．＇
than Moscow itself．
lhit the scourge of the destroyer soon after fell on this celebrated city．［van IV．，having discovered， in 1500 ，\(n\) correspondence between some of the princinal citizens and the King of looland relative to \(n\) surrender of the city into his hands，punishen them in the most inhuman maner．The stanghter by which the bloudthirsty barbarian soupht to satisly his revenge was alike exteusive and indis－ criminating．The crime of \(n\) few citizens was made a pretext for the massacre of 25,000 or 30,0006 ． Nowgorod never recovered from this trealiul blow．It still，however，continned to be a place of considerable trade，until the foundation of Petersburg，which immediately became the seat of that commerce which formerly had centred at Novogorod．The degradation of this ill－fated city is now complete．It is at present about 8.000 siderable place，with a popnation for its history or 9,000 ，nid is remand Hanse Towns，or Ilansards，
The merchants of the Iomenly termed，were estab as they were then commory carly period，and their lished in London at a very carnble marnitude and factory here was of consid warious pivide nod importance．They enjoyed various privileges and immunities；they were permitted to hovern themselves by eheir own laws and regulations； the custody of one of the gates of the eity （Hishopsgate）was committed to their care；and the duties on varions surts of imported commodities were considerably reduced in their favour．These privileges necessarity excited the ill－will nul nuimosity of the English merehants．The Ham－ sards were every now nud then accused of acting with bad faith；of introducing commodities as their own that were really the produce of others， in order to enable them to evade the duties with which they ought to have been ehnrged；of

保 assochatinn；mad olstrinchiorts were contin－品保ish to briug these disputes to a cermim making tol but as they remed he the Ifansards the
 to be inumssible．The later were（xpmand uv indirnities ；and their fartory，which wa ated ha＇Thnmes Street，was not unfreppomly acked．＇The league exerted themselves vinio． y in delence of their privileges；nall lianm： arm war against bughand，they sucempel in noliug our vessels trom the Matio，and and such energy that biwand IV．watght to （t）nu aceommodation with them，oll tuma， ch were mathing but honouralde to the lile： Ih．In the treaty for thi＊purpuse，nemutised in it，the privileges of the merchants of the llanm Cowns were rencwed，and the king assignd on m，in nbsolate property，a latere spare if fromm，with the buildiags upen it．in Manes street，denominated the sted Yard，wheme the hanse merchants have bern commonly whats ared the Association of the Steel liarl：the roperty of their establithments at lintor ans IIII whs aloo secured to them；the kilus nuag allow no stranger to participate in their phio fes；one of the articles bure that the llate merchants shonld be no longer sulject to the rulges of the Euglish Almiralty Court，buther a particular tribumal should he formed for the en and spedy set tlement of all divputes that mids： rise between then and the Emglish；and itrs burther arreed that the particular piridery warded to the llanse merchants should bepy ished，as oftem as the latter jubled propurini
 men as infringed upon them shomill be puride In return for these concessious，the Eta aequired the liberty of freely arading in the Whe and especitally in the port of Dataie and Prussia．In 149x，iul direct commete wint Netherlands being suspenited，the trale oflie the hands of the llanse merthants，whose e merce was in consequence very greatly exad But，aceordinit as the spirit of commeremal the prise nwakened in the natiom，nud as the bex resulting from the prosecution of forem \(n\) eame to be better known，the privilute of lanse merchants became more and man huxions．＇They were in consequence conisid montitied in the reigus of llenry VIl．and le V1li．，and were at length wholly ablidite 1597．（Auderson＇s Mist．Com，munis litith

The ditherent indiviluals belonging to tha tory in London，as well as those bedoninatu other factories of the leagne，lived towita common table，and were cajomed to wera stricuest celibacy．The dieection of the fax in London was intrusted to an atdernan．is sors，and 9 conncilhors．The litter were so the eitica forming the different chases ing the Lengrue was divided．The businges at functionaries whs to de ise menns foteran and securing the privileges and eomment association；to watcla over the operaticit merchants；and to adjust any dispates tax nrise anongst the members of the enitud between them and the linglish．The endeavoured at all times to prenote，ald possible，the employment of their ond pursuance of this object，they went sof of as to forbid the importation of Englistmet into the confederatel cities except tr the vessels．But a regulation of this sont wad carried into full ettect，mind was efored wos according as circumstances wete farourdio
vene to \(t\) fingliyh na the recrasion tributed m priviloges th
amuntst us，
e part of its lead
Provement which muen from the lhat prevailed

WIt belonging the commurice ts were romtitho s lo a termim f the privilemen 1sards, thin was we whel , at 1011 repliphty emelves yimer C4; and hamm (Y Encermied 10 batric, atidare: 1V, wat hat th them, on lomp able to the la: 1se, negotialed in uts of the llatre kiug asigined! latge space in it, in lhams lard, whenow the amonly thenmiar itecl \arl: the to at louston and the kinse answot ate in their pinis e that the llane eer subject to tie ty Conitt, but thas ormed for the ess isjultes that misit nglish; and it ws articular priviless Ints shondel be wo ubirel proget, in 2 and suclatartio. honld be qumitefe sions, the lina rading in the Bati. of 1)muaic and? commete with 1, the trade foll te cithuts, whese os ry sreat y exthe of commercial an n, and is the bezo cion of foregem \({ }^{2}\) he privilstee di more and and sequeluee consided chry Vll. and he wholly alkdibhe om, amin ltit the belonginer to the these betonatin! tio uc, lived topelint mjoined to diant rection of the fia a an aldernat. is The latter were rent clases intin The busines of so menns forester is and commen er the operatinas any disputes that rs of the contere linglish, 1 to premetc, they went so fit nof English ment ties escept n of this sort wo d was enfored dy dwa fere favourtion

\section*{hanseatic league}
rene to the pretensions of the Lenguc finjinh nation was, however, an insult to it Enjish bation; and the irritation produced be the octasional attempts to act upon it con riniled materially to the subversion of the promages the IIanseatic merchants had acquired mulnest us.
bive means of their factory at Horgen, and of the privileges which had been either granted to the asuped hy them, the Leagno enjoyed for mefee of Norway the monopoly of the com afce of Norway
But the principal factory of the Ceagne was at Jrages in the Netherlands. Iruges beeame, at a rery carly period, one of the first commercial citios of furupe, and the centre of the most extensive trale enrried on to the north of Italy . The are of navigation in the thirteentll and fourte art conturies was so imperfect, that and fourteenth Italy to the Jaltic and back acenin vovage from putiormed in a single season ; and hence fot be ake of their mutual convenience, thence, for the lanseatio mepehants determined, the Italian and magazine or storchouso of their on establishing acts in some intermediato situmtionective proas fixed upon for this purpose: a dinges bich it secms to have owed as much itiction tedom enjoyed by the inhabitants much to the betality of the Government of thatants, and the to the cenvenience of its situe Low Countries, gurce ef this preferen of its situation. In conthe vety lighest rank amonr commes specily roso d beame a place of vast weallh e a staple for linglish wool, for the was at I linea manufactures of tho Nethertane woollen ber, hemp and Hlax, pitch and tar, tallas, for the ashes de of the North; and for, tallow, corn, ian commoditiee, as well for the spices unat oufactures impurted by the as their domestic fairs of Bruges were the tealinn merchants. ta Lurope, Ludorico Guicciardini nuented of is Description of the Low Countries intions, car 1318 no fever than 5 Vountries, that in els of very cowsiderable burdetian gnllenses, ces in order to disposese of theden, arrived at The Hanseatic merchants were cargoes at the Pases of Indian commodities: they princinal mia the ports of the Baltic, or carried thased frifin rivers into the heart of Germang telf; the recyular intemmerce were every. tert the regular intercourse opened be-
the aations in the the aations in the north and south of made then sensible of their mutunl wa of Thendertul stimulhs to the spirit of intte the Xectherlanticularly the case with to the Xetherlants, Manufactures of wool
a had been established the age of Chariemagne; and country as gnen to their markete, ent that was thus onnonil the great addimade them be carried on their manacess that had been bill with a vigour frumstances, combined with the unknown. institutions and the wod the frec spirit ent, so greatly promoted moteration of the arth that the Netherland every elegnat civiiscol, best cultivated, riclicecrme uleus country of Eurrope. of the ILunseatic of Europe. the fiftenth century Lcaguc.-From tho 5, though still wry the nower of the This was not wy formidable, begrau e part of its leaders, but to any misconThement which it had do the progress The superiority enjoved by to much to much from the anjarchy by the League that prevailed threnghout the consion, and

\section*{harbour}
and of the North, as from the cood 673 distinction of distinguished the good goveriment The civilinat this sort could the towns. but a to the civilisation which could not be permatent to the cities, smudually had heread at tirst contined. so many centres, over the from them, as from Feudal intarehyr was or the contignous country system of suboriln every where superseded by dithused and suborilination; arts nond indueded by a Gowsed and cultivited; arts nulindistry were This omment was at lengen and the nithority of whon change not oyly reno hrmly established. whon the I, eapue lad rendered the princes over superior to it in the had stequently triumper the eomantries in power, but the inhabitamphed citles ematries amongst which the conitants of a jus were scattered, having learned contederatent a just sense of the ndrantagrnod to entertain conumerce nad naviratrantages derivable from suppriority of the nswation, could not brook the thembers it possession of immer bear to sec its circumere deprivel; and inmmities of which circumstances, which mun addition to which casioned the dissolution mist speedily to these cerests of the dififerent of the Leaguc, the ocsisted became different cities of which the inench became daily more and more of it coneach other. Lutbeck, more and more opprosed to the towns in their vicinity, were latterly The that had any interest in latterly the only The citics in Zcaland and in its naintenance chiefly beeause they would otherwind joined it, and thed from the womm otherwise have been and those of Prussia, Pommerce of the Baltic the same, because, had thond, and Russia did they would havo been shey not brlonged to dit course with strangers. What out from all interlanders and II Ioll gers. When, however, the interful at sea to mollanders became sufficien, he Zeathe free to be able to vindicate cienty powerthey inmediately scealed laltic by force of arme to no sooner had thic sheded frons the Lorce of arms, de. begum to treds ships of the Dutech, the ne; and ''russinu Ho trade directly with the the English brased the Hanse towns thnin these the Polish and liraced the first opportunity of wintions also and it. The fall of this greut coufede witherawing from therefore, n consequence of the impley was really, spirit in and of the develonment improved state of spirit in the dificrent nationg of the commercial most serviceable so long as of Europe. It was merchants acted as factors and those for whom was harbarous, too much occupied and carriers were too or destifute of the occupied with other matters act in these capacitesessnry capital and skill maters, they were in capacities for capital and skill, to of the were in a situation to do thenselves. When of the Inanseatic merchants co this, the functions course; their confederacy fell to as a matter of Hamitdle of the 1 th century the pieces; and at namburg, and Brenen were all that es of Lübeck, acknowledtre the nuthority of that continued to his day they preservo the shadow Ieraguce. To having bren acknowledged in thow of its power blisthment of the Germedic the act for the esta at Vienna June 8 Germanic Confellerition, sistaBut their June 8, 1815, as free IIansealionged North Germen Cumbodiment sineo 186 ce citics. With the other Germederation, nad association will catse cren thimanic States in the \(Z\) association (From an aren this shadow to lessen very rerein, terly Revieu, con in No. 13 of the Fory rapidly: worly Review, contributed by the Foreign Quar Work. See also Mallet, \(L_{n}\) Lig aulthor of this
 sischen Suergs Urkundiche Geschich der Hansa; of Mr. Conulhofes zu London, Mr. Consul-General Ward of and Report for 1867 HARBOUR, HAVEN or POAMburg.) water commmicating with or PORT. A ; iece of navigalie river or lat whe sea, or with of float slips of consider, having depth, sufficicnt a conveuient anchiorderable burten, where tent to \(\mathbf{X X} X\) where ships may lie,
loal, and unlond, acreened from the winds, mul fithout the rench of the tide.
Qualities of " good Ilarlinur.-There ls every variety in the form and quality of hartoors. 'they are efther natural or artitheital; but, however formed, a good harbour should have sullicient depth of water to relmit the largent ships at all times of the tide; it should be easy of necess, withont hoving tow wide an entrance ; the bottom should be clean and rood; and ships should be able ta lie close alomgede quays or piers, that the expense and inconvenience of hading and miloading ly means of lighters may be avoinded. Ships ly lige in a harbour that is land-locked, and surrounded hy high grounde or buildinga, are at once without the reach of storms, tides, and currente, and may in most eases be asily protected froms hostile attacks. Ibar hathours are those that have bars or banks at their entrances, and to not, therefore, admit of the ingress or egress of largo ships except at high water. Thesearo most contmonly riser harbours; the samd ambl mod brought down by the stream, and driven back hy the waves, maturally forming a bar or bank at their nonths.
Best Brilish Iharbours,-Gooll harbours aro of essential importance to a maritime mation, ant fimmense sums havo been expended in all countries ambitions of maval or commercial greatness in their improvement and lirmation. l'ortsmonah, Millord llaven, and the Covo of Cork are the inest harbours in tho Iritish istames, being nurpassed by rery few, if any, in the world. Of these, I'ortsmonth is entitled to the pre-eminence. This anminablo harbour is about as whe at its mouth as the Thanes at Westminster Bridge, expanding within into a moblo bosin, almost sutlicirnt to contain the whole navy of Great Britain. Its cutrance is unobst ructed by any bar or shallow ; and it has, throughout, water adequate to float the largest men of war at the lowest tides The anchorage ground is excellent, and it is entirely free trom sunken rocks, sand-banks, or any similar obstructions. 'The western side of the harbour is formed by the inland of Portsea; and on its soulh-western extremity, at the enrance to the harbour, are siluated the town of Portsmouth, and its large and important suburb l'ortsea. Hero are docks and other establishments for the building, repair, and outfit of ships of war, constructed upon a very large seale, and furnished with every convenicuce. 'lhe fortifications protecting this grent naval depot are superior, both as respeets strength and extent, to any other in the kingiom. 'Ilus,' to use the worls of Dr. Campbell, 'it appears that Portsmouth derives from nature all the preroratives the most fertile wits and most intelligent judges could devise or desire; and that these have been well secomidel by art, withont consideration of expense, which, in national improvements, is little to bo regarded. Add to all this the strikine execlence of its situation, which is such as if Providence had expressly determined it for that use to which we see it applied-the bridling the power of France, and if 1 may so speak, the peculiar residence of Neptune.' (Survey of Great Briluin, vol, i. p. 370.)
['ortsmouth harbour has the additional and important advantage of opening into the celebrated roal of Spithead, between the Lampshire const and tho lsle of Wight, torming a safe and convenient retreat for the largest tlects.

Milford llaven deeply indents the sonthern part of P'embrokeshire. It is of great extent, and lias many subordinate lmys, creeks, and raads. 'The water is deep, and the anchorage ground ex-
onent; and heinf completely land-lockel, ships ie as arely an if they were in dock
Cork harbour lus a st riking resemblance to that of l'ortamouth, but in uf larger exteat: it ha like it, a nurrow entratere, leudng lato a capacimes ionsin, affording a securo asylum for any number of shipis.

I'lymouth, which, after l'ortsmouth, is the arin clpal naval dépote of lingland, has na almifa double harloner. 'I'se roadstead in l'lymant homed lins within the present ecutury hectand improvel by the construction, at a vate exper of a stupendous brenkwater, more than l, in length. This artitcin' bulwark protect th ships Jylug inside from the celledy of the nwell thrown into the souml by soatherly and sonth-eanterly winds.
lomion stinds at the head of the river part Great Iritain, Considering the ahorthes oi H course of the Thanes, there is, probably, no five that is navlgable for large ships to so ition a li anme from sea, or whose moull is less obstru* ly banks. Loudon is mainly indebted for be umrivalled maznitude to her faveurable situation our this noble river, which not only pives bated the adrantages of an execllent port, arcesilles all times to the largest shaps, hut renders ber the emporimm of the extonsive, rich, ant popales eomentry comprised in the lonsin of the thames

The Mersey, now the tirst commercial mise is the enipire, is mere ineommoded by lanks that the Thames, and is in all respects inferions chamel of mavigation, to the latler, still rives to Liverpool very great alvantagis; st the channels being well huovel ami mathel largest ships have litule dildiculty in readion tho port. The principal channels are laid do in the map of Laverpeel and its cavironadit to the article boces in this work.
Bristol and Itull nre both river ports, Ona to the extraordinary rise of the tide in Iristol Channel, the former is accessible to largest shipas. Tho Humber is a goom deal peded by linnks, but it also is navigableasia Ilull by large vessels. The 'lyne almits rea of very emsiderablo burden as far as lemá Suncerland, at the month of the Wear, in principal ship-buiding port in the lnited E tom, and has, after Liverpool and Ladea greatest amount of shipping.
Tho nhallowness of the Clyde from Grab up to Glaspow has beea a scrioas Jranbad the commercial progress of the latte: sums have been expended in attempta to ate the course and to deepen the beto the \(n\) and they have been so fir suceessful that drawing 19 and even "d feet have come upt
 17 feet water, and 18 drawing 18 fote, atio Glasgow, which is one of the principal comam ports in the empire. Now (18E8) veseds is 19 feet water can reash the Bromiear those drawing 17 teet are considud traders.
Generally speaking, the hatbous on in coasts, both of Grealt Mritain and Irelnf with the exception of the Thame, rety to those on their routh and west coasts harbours on the sheres of Susses, hatat, foc., that once ndmitted large ships, are out pletely choked up by saud. Grat sis been expended upon the pots of th Buston, Sunderland Leilh, Dumder Se. Dublin harbeur being naturally obstructed by a bar, a nevr harboy formed, at a great expense, at kimgor out the bar, in deep water.

\title{
tuld the princ
} c"tbed in \(t\) wer their re
reach ports fo are Brost bas been, truction of a rasation of im c priacipal por Ind and Curtho fil rendezrous one of that of It of Holland. aly of Englan coorace ifc, of sha
tates: but mone a repealell, wootis a. II. c. \(15, \%\) and If det 1861 , and in, have been ally
ch subapitutes the
the demiralty the dimitralty in harbours.
las ( 54 t Geo.
Mrilty to provide
Wh's ships, and
ditening thereto
ralty to prohereto
lat any place or \({ }^{t}\)
fit, and to point
toips shall dor

\section*{oups shall deposit}
on buard exceedint
the use of any
that is being brea
\[
\begin{aligned}
& \text { pat is being bre } \\
& \text { pa, between the } \\
& \text { in the morning, fr } \\
& \text { fosico }
\end{aligned}
\] fasire; and betwe land 4 in the 3or boiling of as 20 pords of of at dijesty's of amy ang of gans shot
on crort, are jret
on di.e. gun kep f-chirsped.
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of any of his d
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\section*{harisour}

The enastruction of piers and harbours Grat Britain and Ireland has beels much faelli tated by the provisions of the Plers and II let, \(21 \& 25\) Vict. c. 15, by which tho promeotion of the shipping eonveniences is permitted to prirate enterprise under certain conditions, analocond to those which are imposed on railwaworks, The rates to be levied on the use of aveh fiers and hasuours aro certilled or permitted wi the lhoard of Trude, who are also the authority for whem remonstranco is to bo medressed in city shapowaers or others olject to the toll a in case evoruitant, or capricious. The rates ins unfair, anat be advertised in some distriet newspuertion the consecutive weeks during the mpaper int (itwuer and November, and onee at months of fabl of these wecks, the det cont least during clans saving existing rights and supdementary lets have and everal local tedate of the general legislation on passed since For an necount of the shipping on the subjeet. the dillerent ports of Great lritug belonging to the veater is referred to the article sund Irelame, with, The charpes on owoume Sitres in this di, are specified muler these articles. foreign Marbours and l'urts.
ent the primeipal lireign commerclal har will dochbed in this work at considerabien harbotrs Huct their respective titles. The pringth teach perts for the accommodation of mencos ot if are lhest, Toulon, and Cherbourg. Then of at bas been very greally improved by the astaction of a gigmotic breakwater by the daration of immense basins, Jesides and the aprincipal ports for the Spanisis Cadiz, rid and Carthagena. Cronstadt is the the are [al rendezrous of the Lonstadt is the prinva of that of Sweden, and the Helder ot It 1 fllulhand.
Churare Ef Eiglant as to IHarbours. - The chuage de. of ships was regulated by severa fate; but most of these regulations sereral an repealed, moditied, or re-enacted by thate . \(11 \mathrm{~L} . \mathrm{c} 154\), and by the General l'ier and IJartat have been and Ainendment Aet. These an, have been altered by 25 \& 26 lict. These, ch sulstitutes the loard of Trade generally, the flomiralty ia the administration of genally harbuurs.
dis det ( 54 Geo. IIL. c. 159) nuthorises the
Nally to ships thide for the moorings of his Gistenins, and prolibits any private his astening thereto. It further aurore ship talty to prohibit the hreaming of any ship or at any place or places on shore they may
fit, and to point ships shall deposit out the places where pria board exceedine 5 gunpowder ther may the use ot any tire on board (Sec) It prothat is being lyeamed in board any ship or an, between the hours of any port, harbour, a the morning, from Octuber it to evening asive; and between the hours 1 to Marel \(g\) and 4 ia the morning hours of II in the lar 30 , inchesive: and from April 1 to or beiling of any pite it probibits the 20 yards of any of piteh, tar; tallow \&e. lajesty's dock-vards, By mesty's ships or ping of guns shotted, Bnd another section, aury port, are prohilited and firing of the Ir every gan kept shotted and a penally an diveharged. (Sec 9 ) and los. for int for machors (Sec. within The sweeping of any of his Majesty's the distauce of jesty's moorinus, is y's ships of war, or io, for ererys prohibited under a 5 and unloadinin othence. (Sec, 10.)

\section*{HARDW.IRE}
whin reaned by this statute; but for
LID TARDWARE; (Ger kist.
kram; rity ; Dan. Isenkraing waaren; Duteh, kram; l'r. climquallenke chanvarer; sweal. jarm. chincagho; spanguallerie, quinenillorie; Jurnharia; Rusa, mjelotanuilleria; lort. quincul. "very klnd of troods manue towarii) fuinenicomprising of kroods manufactureal from melulas of afl are the descriptlens. Hirmben copper artiches uanufe principal seats of the and shectlodit lifies of hes ; and from these inish hardwaro ware, ifntes, razors, scissars, immense fillit. portation toms \&ic: are supplied, gilt and platonl portation to most parts of aplied, as well bor ina onsumption. parts of the world as for home
The
important earried manufucture is one of the mos the abundance of iron, tin, Buat hritain; and from comintry, is, provided ha, and eoppere ores in thi imuons and abundant, sulphy of coal the conimportant object of Dritluh likely to reman an Mr. Stevenson, of Britlsh inilastry. The late article on the statistics chaborate and excelhut burgh Fincyclopatistles of Eingland, in the lidit the value of pardia, published in Istin, the Sidin10,000 rate of all the articles in ISto, estimated \(10,000,0001\)., and the personeles made of iren at at 200,000 . Mr. Se persens employed in the trato of all the aricies. Stereason estimated the value 3,000,000l., and the male of brass and coppor und he turth the persons emplosed coppier at whited turther estimated employed at 60,000 ; plated, and hardware artied the value of sted f, 000,0001., nud the persons So that, assuming these employed at 70,000 fromer, the total value of the goo to be nearly Whales interent sorts of of the goods protuced Wales in 1815 morts of metals in limgland and of \(17,000,000 \mathrm{l}\), and have amounted to the ani \(320,000,000\)., and the persons employed to
son far at least as to believe that this estimate, in fitcture, was at the at this moment it is mosidedly too high, but mark. There las beeust probably within the aronmentation of the quan very extraordinary rom produced within the last y of bar and pigr well hacrease of Sirmie last 50 years; and the well as ot the smaller sent and shellield, a manufucture, shows ther seats of the hariwar a corresponding preportion it has been inereased in sured, by those preportion. We have been an deparm thoso well acquainted withen aswher limens of the trade, that if to with most added thowerare manufactures of England and value camot of Scotland, their total aland be \(30,000,0001\) now ( \(88 \mathrm{fi8}\) ) be reckoned aggregate in 000,000 . a-year, aflurdiuge renoned at less than in the various departments direct employment, east 350,000 persons. Fall or l'rictis
cost of iron, but incompin partly to the reduced ments in manulacturing a has taken place in the avery extraordinary fall articles during the last price of most hardware articles the fall excects 80 or 40 years. In some conser it which it does not eveed; and there are to sequenee, the poorest inexceal 30 pier cent. In to supply themsulves with avichals are now able commenduns and useful ant inlinite variety of beginning ot'ohis censeful articles, which, at the known or were century, were cilher wholly un but the richere too dear to be purehased by unthe ime richer elisses; and those whased by any the inportance of the and those who rellect on cleanliness and meatne presalence of habits of as in thinking that the will readily agree with venient and beautiful substitution of the con houschold articleatill hariware and earthe conbe met with, tor that are now every where to \(\mathrm{X} x:\) and horn articles
used by our ancestors，has been in no ordinary degreo advantageous．But it is not in this respect only that the cheapmess and improvement of hardware are essential．Many of the most

Accoment of the Real Values of the I arious Descrip
Cutlery \＆e．，the Produce and Manufitctures of the U of Iron，Brass and Copper，IIardurare 5．Years ending with 1866.
\begin{tabular}{|c|c|c|c|c|c|}
\hline Prinelpal Articles & 1862 & 186.3 & 186.1 & 18.15 & \multirow[t]{2}{*}{} \\
\hline \multirow[b]{5}{*}{Jron：Old and liruken，for reomanu－ facture Pis and puodded Bur（ex elet railroad），angle，bolt， and rol} & \(\varepsilon\) & 2 & ¢ & \(\boldsymbol{x}\) & \\
\hline & 99， 361 & & & & \multirow[t]{3}{*}{\[
5
\]} \\
\hline & 1，203，611 & \[
1,267,068
\] & \[
1,412,352
\] & 1，599，191 & \\
\hline & 2，250，901 & 2，568，054 & 2，568，019 & 2．199，837 & \\
\hline & 2，¢17，\％i7 & 3， \(263 \times 3134\) & 3，31．5， \(1 \times 6\) &  & \\
\hline Castings amiartices of eact lron & 571,142 & 764.3111 & 671611 & 792.541 & Bism \\
\hline W＇ire and manufactures of wire： & 318.495 & 410,439 & 176，615 & 4319075 & 46），\({ }^{\text {a }}\) \\
\hline loops，sheets，and boiler plates： & 1，318，917 & 1， \(20.40,581\) & 4，776，612 & 1，603，974 & 1，i¢1，．t \\
\hline Steel，Ingots，bars，and sheets & －s1x．9is & 9，35，517 & K\％\％，9， & 2， \(7 \times 2,1 \% 9\) & \\
\hline \multirow[t]{3}{*}{\begin{tabular}{l}
1lrass of all sorts \\
Copper，unwrought ： \\
Inkots，cakeq，oit slabs \\
Wrobslit or partly wrousht ：
\end{tabular}} & 201，781 & 261，395 & 2．11，013 & 232，303 &  \\
\hline & 497，015 & 1，189，713 & 886，117 & 496，119 & \\
\hline & 1，140，278 & 1，－5，624 & & & \\
\hline Alixed or yellow meta！ & 814， & 1933， 157 & 2，801， \％61 \(^{\text {a }}\) & 1，158， 3 ，\(\times 10\) &  \\
\hline （11）other sorts－ & 231，391 & －3，2，17 & 167，256 & 1.56 .992 & 1，376 \\
\hline Hardwares and cutlery of all sorts & 3，711，312 & 3，5．3，119 & 4，113，707 & 4， 326,591 & 5intes \\
\hline ＇Tin，muwrought & 177．213 & 1013，47 & \(4 \times 2.147\) & 4，498，5\％0 & （ \\
\hline Plates： & 1，212，66． & 1， 3119.673 & 1，26，3，246 & 1，181，098 & \\
\hline Plated wares． & 10150 sk & 118，516 & 111，980 & 110.154 & ［11，\({ }^{\text {chs }}\) \\
\hline Totat－ & 19.8384 .114 & 27．1．54，671 & 2．3，126，117 &  & 2， 6 \％ \\
\hline
\end{tabular}

For further partieulars on the character and extent of the hardware mannfacture，see the excellent series of essays in the Dirmingham and Midland IIardware District．
IHAKPOONELS．The man who throws the harpoon in fishing for whales live 35 Geo．III． c． 9.2 s．3．I，no harpooner，line manager，or boat stecrer，belonging to any ship or vessel fitted out for the（ireenland or Sonthern whale fisheries， shall be impressed from the said service，but shatll be privileged from being impressed so long as he shaill beloug to，and be employed on hoard， any ship or vessel whatever in the fisheries aforesaid．
This privilege has lost its significance，as im－ pressment is practically olsolete．

LIAl＇s（Ger．hüte；Dutch，hoeden；Fr． chapeaux ；Ital．cappelli；Span．sombreros；lhuss． schlopii）．Coverings for the head in very general nse in Great Britain and manv other countrics， and known to every body，They are mate of very various forms and sorts of material．They may，however，be divided into two great classes， viz，those felted or made of fur，wool，silk sec．， and those made of straw；the former being prineipatly worn by men，and the later ly women．
1．Hats（Filated，Fur，Silk \＆r．）．We possess little information as to the importance of hats，as a distinet branch of manufacture，antel orr to the reirn of Elizabeth．
Fetted hats are stated to have been worn by the Savous，but the carliest notiee we tind of＇becirer＇ Lata is in an inventory of the elleets of Sir doln Falstofle in 1Hj9．1＇hi＇，Stubos，in his Ima－ tomie of Abuses，published in \(155^{\circ}\) ．：nentions． ammigst other rarieties，＇bever hats of 20,31 ，and fo shillings priee being fetched from beyond the seas．＇In subsequent reigns，and paricularls during the Commonwealth，the mambacture of bot t： leaver and felted hats must have arrived at some importance；and not only the quality，but the shape of the hat，begran to possess an inthence in semoting the religions or political bias of the warer－a characteristic of this article of dress whicl？obtains even at the present day．An in－ teresting accomt of hats is worn at ditlirent perions of our history is given in the Ardhatogia， and the details of the manufacture，as it is now carfied on，are given in a work ealled Duys in
the Fuctories（by Mr．George Dodd），publis in 18.43.
Charles VII，of France wore a hat on hispol entry into louen in 144？，which is beliment have been among the tirst manufacture in kinglom．（Eneyelopedic，art，＇Chapeaux，＇

The following details with respect to the of hats mannfactured，their value den fun by a high practical authonty，present \(=\) ： the trade as it existed in 1843：－

1．Stuft IIats．－＇This tem is applied ts trade only to the best description of hats， thase brought to the highest perfection inh Since the introduction of＇waterpmoms，＇ found minecessary to use so valatile a mat as beaver in the foundation or fratomed the best hats．Instead of it，fine seavod of lingrlish coney wool，rel \ignna meold carroted concy wool，and a small quatirs Saxony lambs＇wool，are employed with alvantage．
The corcring，i．e．the＇napping，＇of th qualities is a mixture of chech beaver writh and brown stage beaver，or sensoned lnate monly called uroons，hation stult ate with mixtures of slage beaver，nutria，bro and musquash．
Of late vears hats have been nuth mede weight．This is principally oring to ts method of＇waterprooting，＇which is the the bonies of the hats prior to their bevers The clastic properties of the gums emplay this purpose，when dissolved in pure \(s\) wine，sive a body to the stufls which goorl deal of their weight to be dispensed
Not 20 vears previons to 1843,96 ound were worked up into 1 dezen ordinary if for gentleanen．Ia 1843 from 3.3 to 34 oung were required to complete the same a We may remark that the heary duty lish spirits of wine was very injurious manufict are，as it caused the emplormes ferior dissolvents，as naphtha and onsspir injure the gums．
The manufacture of the best hats emf Lomlon nearly 1,000 makers and fins sides giving eimplayment to nearly 3，wd Gloucestershire and Derbyshin，in body and rutling．The gross retums amouria o about © 10,0001 ．

IIATS
2. Phated Hats,-Next to fine hats are those deiguated 'plated,' so enlled from the plate, or naping being of a distinet and superior nature to
the foundatim or body. The latter is fumed of Kent. Spaniuih The latter is generallyrhile the former consists of a mixture of fine bearen, hares' wool, musquash, nutria, and Euglishi back weol. From the chenpness of conl nad the punty of the water in Lancashire, Cheshire, and stafich hire, the whole of the plating trade is enGowed le them, The men employed in the 3 3.w. The total returns amonnted int exceed bout lu*),(0)OL, inclusive of bomnets and chitImn's fancy beaver hats.
3. Ftl IIats and Cordies are the coarsest species, cinzaade wholly of Kent, Shropshire, and Italian cols Cordies are distinguished by a fine coverfon came or goat hair. A very large trade was - istoduction of caps, and the manufacture of feriop plates, the returns have sumbere from Whapol. to scarcely 150,000\%. in 18.13 ! Athe. me, hugeley, Bristol, and Neweastle-mnderve are the prineipal places where they are rufacture L
Will Huts, made from silk, plush, or shage polactured in Coventry, Banbury, and Spitald. funsed in 1813 a very important branch of battade, Many thousand dozen were exported tair, Gibraitar, the Cope, Sydney, and Vnn
menis Land. Little progress was inade in thi cle for the inst quarter of a century after its mhthen, in consequence of the hard appearance th the cane and willow framework necessarily the hats; but now that beaver hat bodies
been usel as well as those of lawn mulk bis dificulty has been overcome, and silk masas sot an outline, and as great a variet \(y\) of sas bearer hats. London alone produced inepow dozen silk hats annually; and the itemanafactured in Manchester, Liverpool, Fardoo 100.000 dozen mastimated in 1843 we :air, (100 dozen. The work, making a total foom hever hatters; and owing to the comof of laturess, the trade advanced in a Bew) men. 43 will hats of a low quality were noore rely worn; and public taste set strongly or of a new and showy kind of sills hat, fimfrance at a duty of of a material imwimfance at a duty of 30 per cent. This dplated hats, probably arose, so of both clower sorts of silk hats, from notives of (indeed by the state of the country, and bo. But though there wom no reason to that this change would be permanent, it hern is trade, especially in the finerbranches. aren is extensive for the manuf in the preparation benf found ianpelicable to the, but has fyrich, in some processes, requires a vunt of meatal diseretion. Partienlar recelcbrated for particular branches of folicfly from special reasons respecting mpelition lons of wases; but the inethe trade in a few had a tendency to liperse it, althourh it is is sities rather Fibuted. litherto the is still rather neltofol. Iftherthe the trade has not - it has been of late vears serione fic Razizilian and West Indian serionsly.

Few beaver or ruffed lints meet manufacturer in the markets rof the Finghah chicetly hats of silk or felted hares refered to, but not adupted to our tasto, though wool, of stylew Europo and South Amerien. lingrish hats, though to a
in an mintished state, have beenited extent and Continent. The hats chiefly exported to the colomies aro silk, plated, and stull hats, penerilly the a light description. Wool felte, which betore have materially det were largely exported, 'negro felts' being almost extine urticlo terned
This trade emploses a sreat ant.
having been supposid to furnish, in I 8.13 of labour, ment to not less than 30,000 persons. In the Lumpshire district, the fir-t mat second manufacturing processes were chicely carried on in the houses of was workmen. The labour of women and children but less in the actual manufncture thate generally, paration of the material: the proportion the prein both departments, men 50 per cent., women 25 per cent., and children 25 per cent.; and their womings, on a vearly average, were, hin 9 jus., Women 7s, and boys 5s, per week. The ciopresdoubtless nifected the earnings of the theture hits engaged in them, as a less amount of workmen labour is rernired in the production skill and hats than beavers, and the increased of low silk duced in the lower descriptions has not furgishoran amonat of employment equivalent to the decrease in the higher branch. Combinations on the part of the workmen have occasionally mrisen, disputes from questions affecting wages and mions, but not to any the existence of trades. attempts to introduce machinerable extent from
No data exist on which to : for
estimate of the value of the differer any certain the manufacture or of its agerregate \(t\) thanathes of is estimated, on good grounds, that on plated boot it the cost of the rall material varies from 25 to tij per cent., the labour and manufacturing expenses trom 75 to 60 per cerit. ; on stuff hints, materials 41 to 50 per cent., libour de. 60 to 50 per cent.; cent. The proportious in cent., labour dee so por follows, viz. :-1lated hats, \(1,200,0001\); stutf th., 800,0001 . ; silk do., 900,0001 ; wool felts, 100,0001 ; making, in 1843, in all \(3,000,0001\).
The duty on lats, which was formerly 10 s , Ca . Fool hats, and to 3 in 1812 to 9 s. \(6 d\). on fur ant: dozen hats were ex., 6r, on silk. In 1836, is3, Ko. value of 148,2821 ; but in 1811 the or derdared 7 amounted to 22,522 dozen, of the value of 81 ont The falling of thas been principatly in the e, ustits. to the West Indies and Brazil.
Hat Munufacture and Trud.
extraordinary change has taken in 1866.-A very of the hat trade since 18.13. This will be evident from the following details, which hatre been supplied to us by the highest practical anthorities:-
Stuff Juts.-For this branch of the manufaccme there is now a very limited demand. It irrerularly. mot more than 20 men, and these very

Silk Ilats.-In this branch there are not so many lhats manufactured as in 185!), but the greatest change which has taken place is the provial of a latrge portion of the trade from the i: silk hat mondon. The number now employed 1,800 men and 1,000 females, whilst in be about rinces they do not exceed suo men and 500

\section*{IIITS}
women. The quantity mannfactured is estimated. to anoment to about for,000 dozens anmathe of of the value of about \(1,800,000\). F from 31 . to 41 . the men in London are santry from \(2 l\). to 31 per pre w week.

Plated Mets and Cordic
said to be wholly extinct.
Felt Jhats.-It is in this branese 1859 machinery alteration has taken pace. hats of this class cam has been introduced, and improved appearance now be produchroughout the comtry, and parat less cost. Throughont felt hats have superticularly in the proth eaps, and the latter trade is seded the use of cloth eapressed. The manufacture in eonsequence much depress, and give employis contined to the provnees, and bors, and 2,000 ment to about 8,500 men and bing from 20s. to women and girls, the former cals per week. The 10s. and the latter from \(8 s\). to \(14 s\). per about 700,000 quintity manufaetured may be ab00, 000 . per lozens, of the value annuin.
nbove that in 1843 the yearly value the hat monufacture was estimated at abot a the hol molog in its different departments \(3,000,0007\), employing in throushout the United ubout 30,000 pernong the most expensive deKinglom; art tha been stierseded, the trade has seription of hats has the reduction which has heen much extended, thed to a great increace in taken place in prices has led to a great The exthe \(q\) :antities consumed as straw hats) amounted ports, hich in 1866 (ex. stai were clielly to our to 148,004 dozen, worth 32,336 ., weroerica, and the colonies in Australia, Norther and, we inported, West Indies: on the other,689 felt hats, worth chiefly fro
( \(: 2,6111\). protit, and interest on capital form
Labour, protit, and ing returns. Machinery is perhaps of the extent, though the manufacture used to a greater extent, theted by manual labour. is almost entiriy condueted weekly for women, Wares vary rom 30 s , for men.
and , rom ens. to 30 s . for most probable that the idea
straw Ilats.-It is most suggested by the makof plaiting straws was ars and willow, alluded to by if of baskis Pastorals, as one of the pursuits of Virgil, in his Pal population of Italy. We are igthe agricultural popd when the manufacture of norant of the perbod when importance in that straw plait first beeame of Coryat's Crudities, comutry: but it appears the most delicate strawen published in 1611, that the most women in many hats' were worn by both men and women in many ot them having at least. places of l'iedmont, it is evident, therefore, that an hundred seames. the art of straw plaiting must have aries since; but it prifection upwards of two cent followed in kngland does not appear to have years previous to 1868 , as fir more than 6 or some of some of the old init is within the rememb distriets, now alive, that the habitants of the straw thstre firmers used to plait wives and daughters of own bonnets, befure strawstraw for making theiblished as a manufacture. In phaiting became estaborg the women of lingland of fuct, the custom anong the waratively modern: it is wearing bonnets is comparads and pinners were searcely 100 years since hoods and padies of quagenerally worn, and it was only (halcolm's Manuers lity who wore sinall hats. and Customs.)
In the edition of this work published in 18.14 In the edhat during the ten years ending with we stated Mhanufacture of British straw hats and 18.13 the manutacreased perhaps \(\frac{8}{3}\), and of straw bonneis had increased pernith the former decennial plait about \(\frac{1}{3}\), eompared with the former dendently plait ad
mol phit. Iustead of 5 s. 8 d , per hat, and 8 s . Gd . and phait. Thit, the duty was reduced to \(2 s\). \(6 d\). per pet lof hats, and 2 s. per lb . on plait, and a great 33. on hats, was, in consequence, given to the mpetus the rlaiting and hats, boys' and chiltrate botht heing almitted, which formerly, trin's hats heing thety, were virtually prohibited. wing to the hive since been abolished. The imThe et hities hata from Lechorn has, however, alpontabosed. Tusean plait has become so redueed most case, that it is no longer necessary to import a price, that it fur makiner tho phait Indeed, the strast usel the diminution in price, 'Tusean Gat itelf is no lunger prized as it was a few fait ivare, and the consumption has much dediael conpared with former years.
Since nur last account of this trade was written, the rarieties of patterns in straw-plaiting have miderably inereased, which with the use of msiluair (plaited by machinery), woven into H faner rimmings, gives a distinetive feature the tride compared with any previous epoeh. wase of harse-hair braid has never been superied since its introduction, about 26 years ago; has rather grudually increased. In 1858 cotton ad (in imitation of crinoline and chip plaiting) d ben rerv extensively used by itself, and in mlination irith straw plait, adding another new ture to the trade. Other woven trimmings of riss manufacture have also been introduced in titation of pillow lace or blond, worked with se-hin,and afterwards embroidered with straw, dis br.
uten mas long the chicef seat of the manuface. There is a rradition that the infortunate ry Quecud Scotland, when travelling through duche of lorraine, invited some of the strawites there to introduce the art into Scotland. ras not, hwwever, very successful; and it is that shortly after the accession of James V1. be throne of England, he encouraged them to to Luton, where the trade has simee mained itself. lo 1843 there were nearly 100 ers eounected with the manufacture in its rent branches established in that town. Strawing in Orbeey has entirely ceased.
this time (1866) some matrial changes taken place in the manufacture. In the Oorlibise Distriet (Beds, Merts, and Bueks), acresing demand for straw hats, which for a serics of years had been a cottage employbas led to the opening of factories and moms in various parts of the comptry, in the phait is sewn up into lats \&c., and maay who were formerly yiaiters are now red as sewers. The impor ation of straw from Sritzeland, Belgiunt, ind Saxony has argely increasel (mostly of the single straw it make). These are chiefly worked up at and all alvance has taken place in wages, haps about \(\bar{z}\) per cent. Men's and boys' ca, or brazilian hats, are now almost supertheintroduction of a much cheaper article. the 'Swiss hat.' A material imprevement a manusature and finish, particularly in bats, bas taken place during the last two giving employment to greater numbers of Madines for blocking or pressing by steam draulie power have been introduced, and obe a grent improvement upon the old os manual labour, a superior and uniform king obtained by these processes. The cial 'Treaty witi Fravee has also opened rkets for our production, while the shipAustralia and New Zealand are very ring employment to great numbers of try makers,

In 1866 the imports of straw and other plaiting were 318,652 lbs.. valued at 151,5081 ., besides 71 K cwt. of straw or grass for plaiting, worth \(5,7.41 /\). Again, the exports of straw hats and bonnets were 116,382 dozen, valued at 167,2641 .: on the other hand we imported 300,008 lbs, of straw hats or bomets, chietly French, of the value of \(1,170,5801\).

Italian Manufucture.-In \(1860^{\circ}\) the 'Tuscan plat and hat trade was considered in a prosperous condition. Plaits of ditferent kinds were in good lemand for the several continental and New York markets, and hats of different kinds were fredy ordered for some continental markets. The return of peace and revival of trade in the United States of America caused a great improvement in the demand for plait. Neither the abolition of dities in England, nor the almost abolition of them in France, seems to lave caused any material extension of business in these grods, ns Tusean straw Lats and bonnets enter into consumption more as an article of fashion than of necessity, and are ruled by the prevaling taste of the moment without so much regard to price. The abolition of duties, however, permits the introduction of much cheaper goods, which must lead to a gradually increasing business. The price of Tusean straws has continued to vary during late years, according to the suecess of the crops. The prie per knglish 1b. (1865) ready for plaiting ranged from 1 s .6 d . to 2 s . 4d. For some years Tuscan straw has censed to be sent to the Eiglish market, particularly since the abolition of duties on mamutactured goods. Signor Mariotti, in his pamphlet on the Tuscan Straw Manufactne in 1858, referred to the introduction of men's bats made in imitation of the Panama hats, but the demand was short-lived. The manufacture of hats and phaits in Tuseany has improved during the last seven years, principally in the dressing and shaping them. Machinery of a new construction has been introduced, which has led to larger quantities being finished off than could be done solely by hand. In plaits, delicate colours and some improved desigus have been secured to the manufacture. The annual value of the straw trade in Tuscany in 1865 amounted to about \(800,000 l\). sterling, but a large per centage of this increase is to be attributed to a considerable advance in the cost price of froods. Since the revolution of 1859 , which consolidated the States of Italy, there has been a pretty fair consumption of Tuscan straw goods in various parts of the kinglom, while on the other hand there was a considerable falling oll of trade with North America during the civil wai in that country. Mon's hats at \(2 d\), and \(8 d\). each have ceased to be made in Tuscany since the Anerican civil war, as they were almost exclusivele sent to the United States; but hats at these prices, made in the mountainous district of Bologna, lave, since the return of peace, been shipped to America. The straw for these hats is taken from the wheat fields. There are no statistics published in regard to the labouring population of 'Tuscany, but we, on good authority, think there must be between 70,000 and 80,000 hands employed in the straw industry in one way and another. A portion of this number is not constantly employed in the manufiacture. Wages thuetuate considerably in the making of plaits, hats, and trimmings, according to the demands of trade. In 1865 wages, mostly of women and children, were at a ligh point: plait makers carning from \(4 d\). to 1 s. \(6 d\). per day, hat makers from 6 dl . to \(1 \mathrm{~s}, 8 \mathrm{~d}\). (the average of the latter may be about 10 d .), and trimming makers lrom \(6 d\), to \(1 s\). per day. Men and boys are, however, employed in assorting straw by machinery, and otherwise preparing it for the
manufacture. They car: from \(9 d\). to 1 s .8 d . per diem; they are also employed in bleaching, pressing, and finishing hats; their carnings are from 10 d , to \(2 \mathrm{~s}, \mathrm{Gd}\). per day; the bulk from 1 s . fd , to Us., and for overtime (which often lasts \(\bar{b}\) or 6 montha) they reecive one-third extra. Since 1859 the fashion for women and girls to wear hats in preference to bonnets has been constantly extending, and has conferred an immense adwantage on the 'fuscan straw industry, both as regards plaits and hats; and owing to the general demand in Europe, Ameriea, and Australia, prices have continued to advance since \(186 \%\). Tuscan plaits had almost ecased to be used for bonnets, a preference laving set in for other kinds of plaits of lighter texture. The demand for hats and phaits for men's and boys' wear is more restricted nad precarious. The total value of plaits and hats exported from 'luseany sinee 1855 (say for nine years) may probably amount to from \(3,500,0001\). to \(4,000,0001\). sterling, but the export of raw straw since that date has ceased. These exports are estimated to be made from Italy: the inland trade in these goods will no doubt amomst to about 1,000.000l. more.
It is stated in Signor Mariottis pampllet, that as far back as \(13 H 1\) the art of straw plaiting was known in Tuscany; certain kinds of forcign straws were then also imported; in 1737 there was a duty levied upon them, which, however, was repealed by Leopold I. It is shown by a tomb-stone existing in the chureh of St. Miniato, at Signa, that Domenico Michelacei, a native of Bologna, carrying on business there in the commencement of the eighteenth century, was the tirst to establish with England the export trade in Leghorn hats. In 1716 this same man raised the first fine straw used in Tuscany. In 1757 and the following year an anmual export business in lats commeneed, and reached from 15,0001 . to 25,0001 . sterling. 'l'he first hats for ladies (afterwards so largely imported into England) were made only in 1813, of the number of 40 rows. In 1818 the hands employed were estimated at from 50,000 to ti0,000, carming from 1 s . to 1 s . 9/d. per day. In 18:2 the exportation to America began; and although an increase of hands was the result, the carnings rose from \(1 s\). \(4 l\). to 5 s. per day. In 18:26-7 the trade in ladies' Leghorn hats reached its climax, and som after that the 'lusean plait in 11 straws was introduced.

Suiss wad other Mandfacturcs. - The Suiss straw trade has greatly developed itself during the last 80 years: the returns in some of the most favourable seasons camot have been less than from 200,000l. to 300,0001 . Wohlen (in the Cantom (l'Argovie) is the eentral seat for loom and all kitods of fancy trimmings ; but within the last 10 years white horse-hair hraid (of which the largest manufactory is at Kriens, near Iacerne) has been in great demand. In the liribourg Canton there is also an interesting straw trade carried on, the principal districts being Bulle and Chatel St. Denis; but being a similar kind of straw to the Belgian and linglish, the importations into this country are tritling, although a large amount of business is tone with l'aris and America.
Chip bats and plaiting are also produced at Modena, or rather Carpi, in its vicinity. Though commonly called paille de riz, it is simply the wood of the willow cut into strips for the purpose of being plaited, am! is of a most beantiful white. These 'ehip flats' are chictly sent to Paris, where they are dressed in a peculiar manner, and shipent to all parts of the world. Some are shimpec to lengland in their natural state, to be st \(\mathrm{i}_{1}\) peri asd sewn tito white bonnets, and some also dind did
rt, it is sail, «ras on in 180.3, and he small becalite ie returas, it is ; 00001 , to 30,19001 .
ported into Eng. ecies of theadhe ca, nesrly quile very servicealla. wear fur mea ant ;ever, benn motip e Continent. He
ind Jalete of tha limported in lwist nce they came, on those brought find
he chicf seats of ts are Paris, L and Nimes, and said to fally conit The value of the ill the ycar Kingdom, Brazil 1. The averate n 1866, in whith ported into the li ported from \(B\)
hats and bonnets ereased of late these artides me ad 134,789 lts.af ese imperts in As no dutr laiting, it suot? the imports are
is articleon Hat ore Street, Land VAN: on Chbis of acerdia! cing, aceordiay N., long. 2020 city and subyy ed to \(9 h_{1}(1) 3 ;\) r red, 35,347 the nd 22.830 biac \(s\) the tiaest in he world. The et is deep. ril t, and witbia is capable of
datiug 1,000 large ships; vessels of thendinNAII
deruybut of water coming close to the he greates
city lirs aloug the enteance to, and on quays. The it the bay. The suburb Regla is one west side ste silc. The Morro and P'unta cast the oppomer on the east, and the latter can ces, the forthe entrance of the harbour on the west side Wifel, as is the entire city; the citrongly foraplace of great streugth : and to citadel is also buea erected on such of the neighliourintions have as commanal the eity or port. The ars heights deck-vard lic towards the western arsenal and bay, to the south of the city. In the city the streets are narrow, inconvenient, and filtity the in the suburbs, now as extensive as thelthy; but are wider and better laid out. as the eity, they polite and elcanliness of all parts of the ty yon, thio xen materinlly improved.
Fron its position, which comme to the Gulf of Mexico, its great streoth inlets exelllent harbour, Havannah is strength, and point of view, by far the most is, in a political time station in the West Indics. cial city it also ranks in the first class a commortis sespect second to none in the News being in Sew fork only exerpted. For New World, frod Invannal engrossed almost lengthened why ravic of Cuba; but since the rel the whole the dad colonial system, varions ports, such suth of unstane, as Mataizass, which were harts, such, for at the beginning of this century, hare known paces of preat commercial importare become apil extension of the commoree of How. The berfere entirely to be ascribed to thannah is, nor cous, and to the great increase of weold mat poppasion in the city, and generally throursh threwand
tye asab been rery Cuba during the present centhas, than mightit laveat; though not more tual admatages, at least siuce ited from its firpened to Coreigners in 1809 , its ports were laryst and the bost situated of th it once Hi itands. It is about 605 miles in the \(W\) est tis lrealth from north to south nowlength; is lif imiles, and is in many places much exce lusive tud arca, exclusive of that ot the mumer mess. premiles, The climate is, trenerally 33,000 Whuli; the refreshing sea breczes ty spealsing, teat from beenming excessiveces preventing, the growth of a vast variet and litting it panes, which are so destructive of products. the Caibbce Islands, are here companatica and when they do oceur, far losparatively mon is of rery varions qualities less violent. sanle cxtent of srampy marsh: there is a In any sort of cultivation; but the rueks whil that is rery superior, and cathere is of the most luxuriant crops of capale of mize de, The aucient palieps of sugar, rde o o or 3 ports caused all the populatictRegate in thcir ricinity; neglecting population and and allowing some of the fineat rest th situations for planting to renest land a but sinee a different, and to renain unAb bea followed, population hans beriberal
itueff orce ofl itief orer all the most fertile distrin to try yery stall propostion. Still, howthe ishand is ander cultivan of the best and population might be cultion, and its mith the atmost facility. be doalled or of cuba mas taken ius The tirst regudene population ampunied then the mee this period the increase to 169,370 deand follows:Whatever phour.

to 1811 is principally to to be alave population down some yearsortation of slaves fribet to the con4(1,000 lilucks arter the peace of from Atricat. in into Cuba ins are believed to 1815 , as many as agreed by in a single rear. Spe been imported but this arrecmen in 1850 to abolish had indeed letter; and it icnt was little abolish the trade: etlicient tre it is only since \(18 \%\) ber than a deal the trade raty with Suain ee 1835, when a more But trate suflered any cons was entered into, that But though it any considerable diminto, that the intersts of the ise to be wisleded, as well the farther importe island as of lume ns well for stop to, we importation of slaves shonanity, that. think that it woul of the number of the put a agitate the it would be goom policy those who in Cuba. Thestion of the emancipaticy rashly to all the other cor treatment in that ition of slaves singularly humonies of span, has island, as in anancipation inane; and the result always been have not been in layti and the results of their to the aut been such as to and the British islands (Hestion. rities in Cula offer much inducement consideration; and, no thoubt, be forcel thifficult taves in their and the emancipationed on their increase their immeliate vicinity wion of so many order of the difliculty of maintain will materially good policy wing. Under these cinge existing provision should beem to suggest that tances ing about of that be made for the cradat timely inevitable, count emancipation we gradual bringsome suble, coupling it, if that be wich is, perhaps, of compeme for instring the be practicable, with, compulsory labour
to show ract, we beliere it formed of slavery in degree that it has contribuld not be diflicult dustry to the rapid advanceted in no ordinary of the will always be nivancement of Cuba. In countrics motive Cu which it is occasione thength under a tropical cuba, of rreat natural and: and in articles indical sum, where a half or fertility and it were nosppensable in Eua half or more of the supposing absurd to inmagine that would be useless, persevering industry free, should cyhabitants, temperate zone industry of free labourer ibit the comitries the sume dolce far mienters in the will be found summum bonuin ; and wiente is in such will be found that the extensind we believe it sugar and of most othe extensive cultivation of within the tropics depent ommercial produ of slavery, or of cous depends on the maintenatucts other. The compulsory labour of intenance of attlected, at people of Eugland may one kind or and may, thenst lireetly, by these coue but little ruat coilum, think tho, on the prineiple oonsilerations, their intluence to thomselses warranted justitia, Wherever it cece to enfore the abolitionted in using and a host exists. But to Cubana aud of slavery importhost of others, this cubans and Braziliany, in law mance. Were the slavestion is of the last probability merely, but practically ennancipated, not in a dinty is that neither culy and in fact, the Why should years, export a single brazil would, The bloond they do so nuy ingle ewt. of sugar. be able to suro they really more than LIayti'? which the wipport themselves in in inated, would anything life wish to live, without that state in and under such cerere labour of sugar enging in raciction to circumstances it wour planting; raciction to suppose they should engage a con.
havañall

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But it might be difieult, perhaps, to show what cood consequences would result from such a It is at all events clear that the comhame of the world and the comforts of all civi'ised meree of the word beriously impaired; and it is by aations woud be seat the condition of the backs no means clear that the conditioned.
would be sensibly, or the plunters empley free besides slaves, the mixed breed, who work labourers, of an Indian mixaris tho want of lafor moderate wages. Though1 fire felt since the slave bourers has been revercly felt since of Chinewe rade was condemned, the importation of extent ablies has supplied this want to some extent rotes has suphed keen of the Chinese nield The yearly wages and be 236 dols., while thoae of nabourer are stated 300 dols., and those of the slave the free negro are son are littic encaged in 210 dols. These, however, are litte of lahour, and the fields, but in other branches or the interior to particularly in bring
the shipping ports,
The articles prinel qualits, coffec, copper ore, are, sugar of the max, honcy, molasses \&c. Of these, tobacco, bees' wax, he most important. The the first is decidedly the mosthe astonishing infollowing statements slow in the expertation of crease that has taken
this staple article:-
Account of the Expertation of Sugar firmom \(\Pi\) HaAccount of the Enpertation of Sugar 1.86 to 186 B . vannah at rarious
 From \(\underset{1800-1810}{1786-90}\) \(1840-182^{5}\)
In 18 18

1856
1864
1867

The total producings of the sugar plantation of aba slijpped in 1807 wero sent frum the fullowing ets:-
\begin{tabular}{lll|l|l|l|l|}
\hline
\end{tabular}

1867 the mernge price of clayed sugar No way realls or \(1 l\). 28 s. stering fer ert to 15 ward wathout freight; brown and yelhre free on board watht reals; and white. \(8 \frac{1}{2}\) to it ted Nus. 12 to 20 , war, weffee was formerly the most ralu-
Irext to sugar, waduction of Caba. Its cultiration able wegetable path with uprecedented rapiat increased for a mon 80 plantations in the In 1800 there were but 80 plana in In 18and in 1817 thluare were 779 ; and ial 15 inland; in 1817 fewer than 2,067 . of at least dinw there were no In 18twt tho expurtation from \(h\) trecs emech! In \(18,090 \mathrm{lbs}\); in 1809 it ameunted vannal was \(1,200,0\) fimm 1815 to 1820 it are. to \(8,000,0400\) lbs. ; \(=900\), and in 1 :
 amounted tho 0 , incrensed with equal rapidr: the other ports in \(182^{-}\)no \(14.202,406\) los. ; mation they amounted the total expruction of tiee coffee plantatiensinte But the destruct Cuba \(w\) the hurricane of lw western pow prices of culfee, or rather, pebime and the low prices on to the culture of ex the greater atred the further increase of the of mot only eleceked the farther incred them to be is plantations, but caused many of them Cuba in doned. The exports of conec from cuan in amounted to \(12,787,300 \mathrm{lbs}\). In 180 ch , , , l lbs. were exported from Havannah; while in only \(344,848 \mathrm{lbs}\), were shipped.
But the IIaraunal has ling ceased to be, as it formerly was, the only port im the island Matanexportation of sugar. The export a third part of zas now usually amount to about and there is also a those from the Havannah; and there Trinidad, St. considerable export from and other ports. In Jago de Cuba, Cienfuegos anm the island were 1867 the entire exports from the 487 hhds., of 180 reckoned at \(1,449,162\) boxes and 4184 hids. were reekoned 1,00 boxes and 19,184 hinds. were which \(1,158,2\), Havannah. Now if we add to shipped from the from Cuba equal to 530,669 the official export from do, 10 per cent. for the tons, as we may safely do, 10 per or payment of quantities exported without entry or pay \(5 \times 3,736\) duty, the real export may be estand may amount tons. The consumption the total production 608,736 to 25,000 tons; making the total prod it might be intons. And vast as this quantity is, it mi labour be detinitely increased, could supplies of supposing casily procured; but it is doubtial, som be mainslavery were put down, wavamah, Guines, tained at its present land all the fine sugarNlatanzas, Cardenas, and allom, are linked togrowing country between them, and there are gether by different lines of raind.
Account of the Sugar Exported from Cuba in each
of the 5 Fears ending with 1858 , and in 1806 and 1867.
\begin{tabular}{|c|c|c|c|c|c|}
\hline & Buses & Tons & \(1174{ }^{\text {a }}\) & Tons & \({ }_{\text {Total }}^{\text {Tound }}\) \\
\hline Year & & & 180,034 & 116,728 & 352,124 \\
\hline \({ }^{8854}\) & 1,238,999 & \({ }_{21}^{23,7645}\) & 205,932 & \({ }_{1}^{128,882}\) &  \\
\hline (1855 & \(11.111,41\) &  &  & \({ }_{\text {l }}^{156} 5\) & 351,1060 \\
\hline \({ }_{\substack{18 \\ 185 \\ 1085}}\) &  & \({ }^{19515,125}\) &  & 150,510 & ( \\
\hline 3858
1866 & 1, \(1,454,975\) & - & 435, & & 530,669 \\
\hline \({ }_{1867}\) & 1,119,162 & & & & \\
\hline
\end{tabular}

Tob
Cigars


Tobace

1
 sterling let ext rown nad yelint tite. \(8 \frac{1}{2}\) to it real. sly the most vilua. Its cultiration sedented rapidits, lantations in tip 9 ; and in 15 of at least fyn ortation from Ho1809 it amounk to 1820 it ares. ; and in \(180^{\circ}\) The experts five the equal rapiditit: 32, 406 lbs ; matis year \(00,939,901\) ee plantations in hurricane of 1 l or ratber, pertixis the culture of sa increase of the ala - of them to be ves e from Cuba in In \(1864,1,9\) 琞 d.

\section*{Irticles Exportedfy} tinguishing the Pax orted, in the Yem Exported seria \(\xrightarrow[\text { bosk }]{1,2}\) - \(x_{0}\), \({ }^{2}\) \(\cdot\) fanat


TTharco differs much in quality, lunt the cigars [Fosicco,] Mormerly the culture the world. this important plant wèrc mononupulised by Gralv of nent ; bint tillee \(18: 1\) this mond by Governwholly relinguisted, there being poly has been rerrietions etther on tho growth or longer nay rtide. The cultivator pays a dut ever, is to a grent extent evaded, of 1 per cent. ad ralorem ipen his crop. In consequences of the nexton thas given to tho business, tho culture Quantion of the Prineipal Artiole
 Countries whence Imported, in each Fort of IIavamah, distinguish.
and exportation of tobaceo are boll 68 tending. In 1867 there were bolly rapidly exravanuah alone \(7,716,802\) ere exported from wax, and honey of cigurs. Molnsses, rum (iant form importaney are also, larroly prom (baia), orm important articles of tradely produced, an it Qurntities of
from Ihe Prinannalh in Articles Exported from Llavianamh in 1867.


eath of the Years 1663, 18cd and Cleared at the Port of Hav
 including steamers, of which 35 , of 693,912 wete British. Freights to Cown, of 156,768 frem British. Freights to Cowes or Queens-
fiom 30 . to 50 s.
most daily by American Unted States is kept Test Yoik, by American steamers from Bos , The Sanimore, Philadelphia, and New irice, and the British man steamers run reguth between Havaun nal french lines onee copper mines near sant Europe.
fthe island, after having beond in other Iy a century, rare hing been abaudoned orked, prinefpally by en reopened, and are ondace has fulle by Englishmen, though sno of the most fallu conslderably, The It ismostly sent to puilo produels of the tons copper ore impineted to be smelied. \(66,11,25+\) tons wero fred into thls counmports into Cuba consom Cuba.
d arain of all sorts, with clly of corn,
principally from the United States, cotton roods and the latter and England ; wines, cotton goods and lirance ; linens from the wines from Spain England; hardware and metgls Hanse Towns and England; silks from France and Spand rice, from silver from Mexico ; spices, fruits Spain; gold and ber, haberdashery \&ic. Tho admission ac.
kets has considerably se-grown sugar to our marCuba. The United States pronod our trado with largest whare of the trade of the isl engross the scquence in part of their of the island-a con their supplyine her with proximity, but more of provislons, lumber \(\& e\)., murge of quantities of flour, pally indebted to her for their their being princi Noncys.-Ono dollar= 8 ir inports of sugar reckon. 1 donbloon \(=17\) dollus plate \(=20\) reals reckon 14 dols. \(=100 \mathrm{l}\). or 1 dole merchants liearly. Thero is ait exn or 1 dol, in \(4 s\). \(6 d\). very on golid, ifility per er... on silver of \(1 \frac{3}{4}\) per cent. Bunks.-17 1 per rr... on silver.
Bank thit a pricate titre were, besides a Saving bank thit a Primate battl, 1 fere, besides a Saving

\section*{HAVANNAII}
from landing rinurously though acti, taken out of and are kept are com lave the isha ed under lit the ullice urles by law. In eve ber only is allo Lation and trad the basiness of that of planter ng merchant \(k\) bis cools byr ret. octily regaried most all in the metantile capital is the i.land, ms fom the Peninsu
tee sellom think
Customs Duties
unit of Cuba, Jik
applex, beimit dir
onembracing a vi


hlishments in IIavannalh. Only one, however, the Spanish Bank, is authorised to 5 , \(5 l\).) and the lowest being for 25 dolars (bout 200 l
highest for 1,000 dollars, or abe quintal \(=100 \mathrm{lls} .\),
Weights and Measures.-One quinish \(=1013 \mathrm{lba}\). or 4 arrobas of 25 lbs ; 100 lbs . 108 varas \(=100\) English, or 46 kilogrammes. 100 lirench ells or aunes; 81 yards ; 140 varas \(=100\) li reneh varas \(=160\) IlamGaras \(=100\) Brabant ells; 108 varas \(=160\) or 100 burg ells. 1 fanega \(=3\) bushels neart, or \(=4 \cdot 1\) lhs. Spanish. An arroba of wine or spirghed of Laglish wine gallons nearly. sugar \(=1,300\) lbs. ; a bag of colllons; a pipe of horshead of inolasses \(=10\) and a bale of tobaceo tatia or ra
The usual Commission charged by merchants on the sale of goods is 5 per eent., with a del eredere of \(2 \frac{1}{2}\) per eent. if the sales are of \(2 \frac{1}{2}\) per guaranteed, and a further commissills or produce. cent. for the returns, whether in \(2 s\) per cent., and (hn purchases the commission is for in bills of exa further \(2 \frac{1}{2}\) per eent. if dra freight 5 per cent. is change. For procuring fres the amount. For charged, and \(2 \frac{1}{2}\) for insuring the a cent, when no advances of money the rate Bile. Bill business is other commission is chargeable. \(2 t\) per cent., aclone at various rates, from these are the rates of cording to its magnitule. These are Spanish and the foreign houses; those oly higher. There is Creoce merchants are gencrate whatever to establishment of foreisners as merchants in the island. The law
says that those who are naturalised in Spain frecly carry on trate wirh we the kingdom, obligations as the natives of maturalied, of that those wicile, may still carry on trave a legal domions stipulated in the treatios in the regulations stipetive Governments; and ia between the respectise fault of such conventional 5 thase enier privileges are to be conceled as those enjey Spaniards carrying on trade in the cour which such foreigners are mathes ateaded this last condition is not mublish themed foreigners are allowed to establish the the merchants without any enquiry as ta the and privileges enjoyed by Spaniarls in the try they come from. As to mandituture mechanice, the only difliculty that ent mectands their religion. On cutcriug the regards then rer is required to find secuity every stranger is reguired respon:ible and following terms:-
security in every case for the person and security in every case for in the slip D,
of \(A\), arrived from myself to present him if called mby the myself to to conduct lím at my exprie ment, and to conse designated.' This see place that may be and, in fact, eneouras easily obtained, and, in whe cople of all iven to mechaniss, and. After landiat it 0 settle in the island. After bidaje necessary to apply for a letter of comider is present a certilicate that the applicant is pectable character, and proteses ts Catholic religion. liree neyrece, lio a royal onler of saved 12,1 wia, ate of all the articic rif 41848 at cet pedtes are charge axe d the goods, mater the real pri texcent. on goods
ispret cent. on foremgn netor yphansh parnive wask and per cen
epprixeipal except ef flous, whied us. per birree jucr

\section*{from iandiag uader any pretence whaterer}
phiproasty is this order enforcen, that sulf; and so when out of the vesumen, are, on their arrival anare kept in custudy unti ha they havo come er are compelled to proced a departure, when are the island. The busind agnin otu board and wed under lievese, und no fors or a broker is exerhe otice unless naturalised in the fis is eligible to by law. In eyery cummercial town norm preseribed ber only is allowed, correspouding n certnin numLution and trade of the place. In wh the popahe basiness of macrchant is of that of planter ; and sometimes, alsombined with ing yerewhant keeps a shop or store, whero importhis gonds by retail. The toreign merchero he sells tatuly regarded as tronsient viwerchants are gewanclas they are not considersitors; and thoogh anowt all in the full enjoyment of thy, they are ereaantil capital, aswen as the prop credit. The a he inland, may be said to be conetary wenlth toc hands of the Creoles. Whe concentrated in avi the Peninsula make fortuncs in emigrants reetiom thiuk of returning to Europ island, Custons Dutiess in unt of Cuba, like that of Spain, is 18607 -Tho evples, being divided into a groat execedingly ei embraciag a vast number of articles manses, hita are of very trilling importance. Arses, many of oil. the articles of import are ve. All, or alrrf dfist at certain fixed rates, upon whe the wates are charged at so much per ceut whieh tet the tixed or tarill prices exceed. Henee, euatl and nodsenersely thes are proportionally
 E, pecme on pads br se The duties vary from



 tining ner cont، white
rraipal cxecption to the above rule is Whtour, which pays a tixed daty of 5,",
\[
\begin{aligned}
& \text { ", }
\end{aligned}
\]
whr wher countrics, this cuba with flour Ewty ia have cour of sprise, thisis high discrimiwimpratively lithlcimportour would have bleade C'uba derives 9 ol' be, Butsuch Tho the tinited States \(\frac{9}{10}\) or her supply of Whimans so thatt the discrimeinally from mot opressive and inpoolitic the duty bunc. We are surprised it is that can Shs, fumace-mouths, grate-burn it isittel shats, tollers, sugar-bowte bars, crownagbes, muld other such shar-bowls, skimmers, dum mash, stallions, anll asses, are cex-
fime duty:
dit Ganasiolimphave also been made in cru on impurpaty \&e., which lays only
fexport, aceording to the on the principal
mize \(\quad\) Theng to the tarifl of 18.18 .


1850, provides or suy fill ilmmentary tariff, issued in Mrt. 1 aurme hows, wi\%:- An, issued in roreign importation an muties upon
Art. 2 inerences at piper celnt. articles of ports.
upon national im-
box. 50 cents, which makes now unou each box
- 6 cents per
lear tobaceo imported. 5 incrents upon each guintal of
and
. ars, making 75 cents per 1,000 non every 1,000 dury. 6. Spanish ilour to pay \({ }_{7}\) explort duty.
Art 7 nenid. \(\quad\), additional to the
innt. 7. This extraordinary
Goods in 2 yiars.
will be subject osit, withdrawn for
period abovo to the same duties, consumption,
For the ficsignated.
facilitato the tax oppone nension of dealers, and to dues, ns equival ent. direct unon the the imSpanish flour 25 per to the \(\frac{1}{\frac{1}{4} \text { alluition, and and an }}\)
Tho usual 25 per cent. per bbl. and upon
om dutisual I per cent. upor bbl.
\(A\) revised stin retained. The total of tho ens-
Custo 1, 1867: Lat it caba cane into operation ctastom-house officials it is so deficient, that the the cit. Disputes are compot themselves unthe appointed to been oblig to settle thense matt ine conmission exceeds obliged to issue a matters has nlreadry not recels in length the a supplement, wready not remedy the evils original tariff, aud which the Spanish Heveroluts complained of, and does progress may lead tou still (October Perhaps home and in lead to improved tarif 1868) in and aigation and port colonies, A reviseds seate at and elearing at aut dues, for shipping seale of into opreration at any ot the ports of co entering ns follow :-

beturd to Have on his it.-Every ship-master is the boarding onl his arrival, ready ship-master is containing in dethicers of the ready for delivery to ship stores, nud in th statement of lise a manitest. write thereon an one act or' handing it orger and write thereon an onth that he has has no other has to mather cargo
on board, and the hour when he delivers it, taking cure that it be countensignel by the boarding otheers. Within 12 hours, which begin to comit from the moment he delisers such manifest mitil 7 welock in the crentil the moment the said 12 in the morning umin the any alteration by prehomrs elapse, he can in which he epecelles the statia! at acparate note errots he may havo of these 12 hours no alternAfter the expiration Goods not manifested will tion will be permithont remedr; and it their value he comitisented withont 000 dols, the master of the should not exceed lo to pay a penalty uf donble ressed will be haide non-minifested goods; if they the amonnt oum, and betong to the mater or excerd that to him, his vessel, freight, and come consigned to him, he forteited to the reveother emomments wenifested will pay duties as if nate. Coods on board. Goons not menifestrd, but clamed in tinte by a consignce, will be delivered ul to the latter, but the mater in this case will be suliject to a fine equal in amount to that of such moods. Cold and silver not manifested by either master or consignee are hable qumitity manicent. Goods fulling short of beng included in liested, when landed, and will render the master any mione of consiad a dula, for cach parkage liable to a penalty of 20 master mast present himsob fillint short. Gours aiter his arrival, at the Cusself, within 2t oriler to swear to his inainfest, in tom llonse, in orter liable to a line of 1,000 nerpect of wheh he is has obliged to present a dols. Every consignce within to hours after the detailed note of goo if nct, such goods are liable arrival of a vesset, to 2 per cent, extra not contain a statement cate if such note of pieces, enntents, quantity, of the numberasure. livery vessel is required weight, and bill of heath certitied by the Spanish consul at the port of her departure, or that nearest to it, otherwise they are placed in quarantine.

If the ressel arrive and sail in ballast. or without braking bulk, sho avoids the heath visit. Horro light, tonnage, and mul engine dues. she bring eargo, the translation of mane dues are inaccording to its length, whare, and the tidecurred for the lime of for each day. Vessels waiters eharge \(5 \frac{1}{2}\) dols. for eases pay no tomare taking entire eargoes of mula duty.
(In compiling this article, we have consulted Ilumboldt's Dissui Politique sur l'lle de Caba, Puris, 1826 ; and the Supplement (Zabicul J)ictiontiqui') thereto, l'aris, 1831 ; Gcograp, the Bulanza ary, arts. 'Cuba' and 'Lars; pritate commuacaMercontil for vab. Acting Consul-General Crawtions from (ords Deeember 31, 1867; and other Papers laid before Parliament.)

HAFLE or LIAVLE DE GRACE. A commereial and strongly fortitied scapor town of France, on the English Channe, near bank, tat. mouth of the Seine, on its northern bapulation, \(49^{\circ} 29^{\prime} 14^{\prime \prime}\) N., fong. which may bo alded 5,000 in \(1861,82,009\), to the crews of the shipping or 6,400 mure for the It was a saving of constantly in the por. Rouen, Le llavre, ne Fapoleon that 'Paris, ville, dont la Seine est lia forment quane setule being, in fact, the sea-port grande ruc. Havre be cofonial and bereign products destined for its consumption are imperted thither. Nearly double the quantity of goods, estimated by weight, is ammally imported at amounts very nearly to that of those at per port. The principal imports are coton, polfer, lined thread and linen goold ar, coller, heco, hides, lyewoots,
保, timber, iron, th, trictel and sometimes ex. sometimes imporearts are silhe, womes . The priomice floves, and shoes, trintion coton stulls, hace, fores, aner wines, band! rfunery, champayne and
, is to the north of li rance what Marsilies is the south, ly which it is seeoud in the munder mervantile marine. liesides the narigaion Seine, Ilavre is connected with Yarsto of roilway, and is visited frequent! b from Southanpton, London, and Listin athose from the north-eatern coumbes Europe.
he harlour has the same pecularity rhatid Gacterises that of Southampton. The whe it remeles the full, kepls up for three in wilh little change. The lowest tile ition \(\because 0 \mathrm{ft} .4\) ill, the highere ordivary : 1 m the equinoctial sprimg tach en if. T. liner winds are south-west and woth-rmet harbour will take in ships drawing, It th: harbour whes. I new harbour is being os at ant two vast enrvilinear jetties es and with two of about 3,00 acres. IR ontaluing an urea of about ,0 harbour will take all vessels in by redtat and and at low tides, which do not Jraw more thas it. of water. This artilicial harlu wr wh computed, contain the whele of the the naval tores.
The port of LIarre eomprises an outcr hath where only the various fascuger summ dilused to lic, and seven doeks commanity with the former by tidal gates. The deywater in the outer harhour is 30 ft . 102 pring, and 25 ft . 1 im . in neap tides. Therg didal gates vary hoth in widhls and degtion wo he largest, the 'Transathantic, havime of width of alone 99 ft , with a depth of 34 t at spring, and 29 ft .3 in . 2t neap tides 4 ni mailest (Notre Dame) 52 ft . wide at of 9 ft .9 in , at the bottom, with a deph df inches at suring, and 16 ft .3 in at ace? The ground formerly oceupied by the cine being converted into two floating duar a careening nad three graving dock, and 1 to receive the large Transallantic stemst riving too late after high water to ent it in luck.

Lights anel Signels.-There are tro lite on the lleve, geparated by an interad d 100 ft ., and raised about 6 解 ft, from the \({ }^{3}\) Tho light is visible tor 20 geograpitial when the night is clear. Another ligat is The northern jetty, and another atibe evem southern jetty, of an orange colour, bene on the quay of the outer harbour. The of Fatonville is brilt on the enent. This and completes the arrangement. Curf fi. above the level of the sea. litisass light, raised every three minuta brad belore and after which there is a sumbting darkness. There are steun tugs in the which may be summoned by twe the bowsprit. The gates of the laves an hour and a had before, aud ber the to after high tide.
llave has two roadsteads. The pris road is about a league from the pith 4 mure than \(\frac{1}{2}\) league W.S.S. if m llese; the lifte or inmer rad is about



from the port, and about \(\frac{3}{4}\) mile S.S.E. From Cape la Hère. They are separated by the sand bank called L'Eclat, between whieh and the hank ealled Les Hautes de la Rade is the northwest passage to the port. The Hoc, or sonthern pasiage, lies between the last-mentioned bank mat tuat of Amfard. In the great road there is fromi 6 to \(-\frac{1}{3}\) fathems water at ebb, and in the fintile from 3 to \(3 \frac{1}{3}\). Large ships always lie in tithe former.
The Chamber of Commerce of Havre have published the fillowing information and instructions for the use of vessels frequenting therort:-
rive buors have been moored in the shallows ander the designation of the Banc de Rarua, and llautes de la Rade.
-These buoys are similar in form, but of tifferat colours, viz.: the tirst to the northward is whice; the secont, white with a blaek top; the thind is black; the fourth is black with a white tup: the fifth is red.
- Fessels must always come to anchor at a distance of at least five cables' length outside the line of these buovs, which thicy may not pass mithout dauger betore one hour and a half prior 10 bich water, or four hours after ebb; and they masiat all times pass at a distance of firo cables' kntth from the black as well as from the red bur, both f which are moored on the shallowest anrs of thesc banks. Nevertheless ships may at diliturs of the tide frequent the north-western pasiage, comprised between Cape la Hève and the two dithernmost buoys.
'All resels asing the north-western passage, and bun' into the jancr roadstead (Petit Rade), mustiteer for the white buoy, the farthest north, adaftrleaving it a little distance on the star bard hand shoulh then stand towards the seeond wiate bros, takiug care naver to come so elose to the shore as altogether to lose sight of the lantern of the morthumost lighthouse on Cape la Heve. Thea the light of the north-western pier-head beas by compass S.E., and the lighthouses on the Hite bear by compass N.N.E., the ship may be brourgat to an anchor.
- Beside the five buors herein described, one of lever dimensions has been moored on the shallows difthe inger roadstead, at abont five cables' length Wi.lit. of the north-west pier-head. Vessels of wat draught of water coming to an anehor in tut part of the road should give this buoy an xing of at least one cable's length.'
Host part of the goods imported into Havre are extined for the interual consumption of France. be cussing trade has increased very largely of ten year, as is proved by the great increase of ramd rines, soaps, and other produce imported Paris from Harre, instead of being' sent to ecapital by land. The eoasting vessels transfer kis cargoes partly to steamers and partly to fe enryes, called chalands, whiela are towed by kim tues ns faras Rouen, and thenee by horses to Tis The foreign trade of the port is also very Tansire, Lines of sailing packets are established reen Havre and New York, New Orleans \&c. rezuar intercourse by means of steam packets Lept tup with Loadon, Southampton, and other
\(\xrightarrow{\text { Th }}\) There
Iftere belonged to the port, on December 31, \({ }^{3}+388.8\) metchant vessels, of the aggregate burof 114,04 tons.
Phe Yoneys, Weights, and Meusures of Harre the same as those of the rest of France. proiex; Cons; and Weights and Meaaf following is a statement of the number,
tonnage, and crews of the vessels that entered and cleared at Havre in 1867 :-
\begin{tabular}{|c|c|c|c|}
\hline & No. & Tons & Crews \\
\hline French vessels entered & 918 & 322,030 & 17,301 \\
\hline cleared & \({ }^{797}\) & \(2 \mathrm{CJ}, 0101\) & 15,736 \\
\hline 13ritish vessels euteres & 1,247 & 402,131
\(397,3 \% 2\) & 21,823 \\
\hline All other foreign vessels entereel & 1,693 &  & 20,661 \\
\hline clearel & 661 & 254,959 & 8.7192 \\
\hline Coastin. \(\mathbf{R}^{\prime}\) vessels enteredt & 2,984
3,131 & 211,928
278,829 & 17,97! \\
\hline
\end{tabular}

IIarbour Rules.-1. It is forbidden to have fire, or lighted eandle, or to smoke, on board ships in the harbour.

Bitter complaints are made agninst this rule. All cooking has to be done on shore, and small sailing vessels, arriving saturated with water, nud with the clothes of the erew wet, have no place to dry in. The consequence is that the men quit their yesseis, and betake themselves to low drinking shops, to the great demoralisation of the elews, and the profit of a vile set, of crimps. (Mr. Consul Bernal's Report.)
2. Vessels eoming into and lying in the docks must have the lower and top rards topped up, jibbooms and martingales rigged in, and anchors taken in. The wharf alongside the vessel must be swent every evening.
3. No gunpowder (whatever may be the quantity) is allowed to remain on board, and must be deposited in the ganpowder warehouse.
4. All foreign sailors found away from their ships after 10 o'elock at night from \(\Lambda\) pril 1 to October 1 , ard after 9 o'clock from October 1 to April 1, shall be conveyed to prison and fined. Sailors are forbidden to wear sheathing knives ashore.
5. The manifest of the cargo, signed by the captain, must be exhibited to and signed by the eustom-house officers before being taken ashore. The vessel mast be reported at the custom-house within 24 hours after arrival.
6. Tobacco, snuff, eigars loose or in boxes, belonging to tho captain, ofticers, and mariners, to bo dectared as exaetly as possible. All the tobacco, snuff, and cigars, declared or not declared, to be exhibited to the custom-house officers when they come and make the visit on board. After sueh exhibition, if any quantity of tobacco and eigars be found on board, it shall be seized, the captain shall be condemued to pay a fine which may bo as high as 500 francs, and the ship shall be confiscated.
The following table shows the average rates of freight during 1866:-
\begin{tabular}{|c|c|c|}
\hline Place & Steamers & Sailing, Vessels \\
\hline L.ondon & \[
\begin{aligned}
& \text { Frs. per cent. } \\
& 20
\end{aligned}
\] & Frs. perton \\
\hline Liverpool & 20 to \(25 \sim 15\) & 13 " \\
\hline Hamisurg
llotterdain & \(\begin{array}{ccc}62 \\ 10 \text { to } 25 & \# & 25 \\ 15\end{array}\) & 45 \\
\hline Martinique and & 10.625 " & \\
\hline Guadeloupe - & -• & 20 to 25 and 10 per cent. \\
\hline Mauritius - & & 35 to \(\mathbf{4 0}\) do. (cuble mètre). \\
\hline Hayt & & 40 to 50 per ton. \\
\hline New York & 50 to 125 and 10
.. & 10 to 25
\(45 \& 10\) per \({ }^{\text {ct. }}\). (cubic \\
\hline Juenos Ayres. & - & 45 " \({ }_{4}\) \\
\hline Paxtic - & \(\cdots\) & 52 _._ \({ }^{2}\) \\
\hline
\end{tabular}

Port Charges.-Charges on a British Vessel from England or an English Possession.
Pilotage in - 29 fr . for the 1 st hundredt tons

it per cent. for the hicad pilot
12 fr . outside the picrs
9 Fi, in the harthour
Weighing anchors
Weighing chains \(\begin{array}{cc}2 & \text { to } \\ 0 & 50\end{array}\)
Itaulers \(\quad 030\) and \(\$ 3\) mare if there be no buoy rope
Itaulers - 030 per man, besides 1 fr. 50 c . tor the

\section*{IlAVRE}


The following tabless give a summary of the foreign trade of France:-
II,-Real Value of the Principal Articles Inported into and Entered for Home Consumption in Frane in each of the Years 1862, 1863, and 1864.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multirow{2}{*}{Articles} & & \multicolumn{3}{|c|}{Imparis} & \multicolumn{3}{|r|}{Entered for Home Consamplion} \\
\hline & & 1862. & 1363 & 1861 & 1862 & 1863 & \%1 \\
\hline Cotton, raw & & \[
\begin{gathered}
\text { francs } \\
119, ; 10,0100
\end{gathered}
\] & & \[
\begin{gathered}
\text { francs } \\
397,5101,000
\end{gathered}
\] & franes 126,2011,000 & \[
\begin{aligned}
& \text { francs } \\
& 261,801,0 \% 1
\end{aligned}
\] & \\
\hline Silt and tloss silk & &  & \(353,500,0019\) & \(3.31,960,000\) & \[
236,010,0109
\] & \[
\begin{aligned}
& 261,8010,0070 \\
& 252,20,0100
\end{aligned}
\] & \\
\hline Wool, raw . & & 1s\%2, 0160010 & 2\% \(1,0100,1043\) & 216,100,000 & 180,700,100 & \(218,400,10010\) & यH, \\
\hline Manufactures of silk & & \(111,(041), 100\) & 353,2043,000 & 174,000,000 & 4, \(5013,012 x\) & 4, 60000006 & 7,100, \({ }^{\text {a }}\) \\
\hline Timber, commen & & 119,760,000 & 134,800,000 & 133, 000,000 & 17,801,000 & 133, 2000 , 1010 & 15, (u) \({ }^{\text {a }}\) \\
\hline Coat and coke & & 106, giob, 080 & 103,900,000 & 121,500,000 & 102,200,000 & 1010000,100 & 113, \(0^{1}\) (2a) \\
\hline Coflee & &  & 131,500,000 & 111,404,000 & 7 69,10000000 & 59,000,1003 & f3, 10, 106 \\
\hline Hides ancl nitns, raw & & Az,000,000 & 117,400,000 & 107,401,009) & \(69,300,1300\)
41,0401000 & 1110000006 & \% \\
\hline Manufactures of wool & & \(91,000,000\)
\(62,104,000\) & \(\begin{array}{r}105,900,600 \\ 70,010 \\ \hline\end{array}\) & \(99,604,000\)
\(82,500,060\) & \(41,090,006\)
\(14,301,0119\) &  & cioneme \\
\hline Anlmals ; oxen, bulis, and cows & & 811,900,000 & 77,700,000 & \({ }_{78,300,100}\) & \({ }^{1} 0,000,000\) & 77,100,000 & (it) \\
\hline Seed, oleaginour & - & 52,900, 100 & 48,41) 000 & 73,400,000 & 49,300,000 & 40,000, 1410 & 59, 410.31 \\
\hline Sugar, forctg & - & 77,500,000 & 65,000,010] & 71,900,000 & \(6.5 .200,000\) & \(66,000,1 \times 4)\) & [ 3,70 , m \\
\hline Tirain & & 199,Gin),000 & 104,700,000 & \(69,5100,000\) & 157,500,000 & \(53,0001,000\) & x, 10901 \\
\hline Flax & & 36,000,0030 & 50, 200,100 & 3,3,100,000 & 37,800,000 & 50,600, 000 & 33,09090) \\
\hline Copper French eoto & - & \(36,800,0100\) & 41,500,000 & \(51,400,000\)
4,510 & \(3.4,400,070\)
65700 & \(33,900,010\) & \({ }^{46,60 \times}\) \\
\hline Sugar, French eolonlat & & 711,100,000 & 7,500,000 & \(4 \pm, 510,000\)
41,2100000 & \(65,706,060\)
\(17,000,0410\) & \(78,800,000\)
84,3000009 &  \\
\hline (iuano med other manures & & 10,700,001 & \(27,108,000\) & \(410,2100,000\)
37400 & \(17,000,0(1)\)
31,600000 & 24,300,009 & 29, \\
\hline Cinders ond asher & : & \(31,600,000\)
\(47,601,1010\) & \(36,000,000\)
\(30,310,000\) & \(37,400,000\)
\(37,100,000\) & \(31,600,000\)
\(2,59000,1000\) & \(36,000,010\)
\(6,410,010.9\) &  \\
\hline Oil, ollve & - & 38,000,000 & 31.50 mono & 35,600,0100 & 52.500,000 & 24,510,000 & gy, mal \\
\hline Trallow and lard & & 59,400,000 & 44,100,000 & 35,400,000 & 38,300,000 & 42,400, 1000 & 33,4 a, \({ }^{\text {a }}\) \\
\hline Clacks & & 25,400,000 & 28,900,000 & 32,800,000 & 1,800,000 & 4,610,000 & 3.0 \\
\hline Manufactures of linen \& \(c\). & & 19,310,000 & 19,800,000 & 25,901,000 & 13,500,000 & 12, 30412000 & 14, 50. \\
\hline Ores, all tinds - & & 22,500,600 & 23, 5010,000 & 21,000,000 & 22,510,000 & 23,500,000 & 2i, \\
\hline Cheese und hutter & & 18,600,010 & 19,900, 100 & 2,900,000 & 13,500,100 & 19,000, 100 & \\
\hline Tabaceo, leaf & - & 21,1000000
13,800000 & 25,2000019
\(13,100,000\) & 22, 4, 4000000
29,0000000 & \(16,9690,000\)
13,8100000 & 19,4141,000 &  \\
\hline Seed, for sawing & : & 15,800,000 & 18,700,010 & \(21,510,000\) & 15,500,000 & 16,500,0010 &  \\
\hline Indiso - & - & 26, 110,000 & 2.3,2001,000 & 21, 6000000 & 25,000,000 & 21,401,000 &  \\
\hline Mats, straw Se. - & . & 11,001,000 & \(20,3013.400\) & 21,600,000 & 6,500,000 & \[
9,901,06 \sigma_{5}
\] & \\
\hline Yarn, linen and hempen & : & 8,9000000
\(19,000,000\) & \(1,500,600\)
\(20,600,0100\) & 21,0000013
\(20,600,000\) & \(5,600,000\)
\(\mathbf{8} .300,900\) & \[
\begin{aligned}
& 7.700,1010 \\
& \\
& \hline 19.600010 \% 1
\end{aligned}
\] &  \\
\hline
\end{tabular}
III.-Rcal Value of the Principal Articles Exported from France, distinguishing French Merchandik, in each of the Years 1862-64.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow{2}{*}{Articles} & \multicolumn{3}{|c|}{Exports} & \multicolumn{3}{|c|}{French Metchandise} \\
\hline & 1862 & 1803 & 18G1 & 1862 & 1863 & 1551 \\
\hline & \[
\begin{gathered}
\text { francs } \\
103,100,000
\end{gathered}
\] & & \[
\begin{gathered}
\text { francs } \\
121,3110, \mathrm{er}
\end{gathered}
\] & \[
\begin{gathered}
\text { franct } \\
91,700,000
\end{gathered}
\] & \[
\underset{8 \times,=10,000}{\text { francs }}
\] & Grans \\
\hline Cheese and butter made up & \[
\begin{array}{r}
103,100,100 \\
39,401,010 \\
\hline
\end{array}
\] & \[
\begin{aligned}
& 96,800,000 \\
& 41,400,100
\end{aligned}
\] & \[
55,100,001
\] & \[
\begin{aligned}
& 91,7,00,000 \\
& 32,400,410
\end{aligned}
\] & 36, 2101,1000 & 46.0 mine \\
\hline Chemical jroducts & 68,300,019 & 53,100,000 & 59,400,000 & \(51,400,000\) & 49,300,000 &  \\
\hline Cotlea - & 50,400,100 & 32,400,000 & 37,600,000 & & & \\
\hline Cotrnu, raw & 665300,000 & 94,700,000 & 114, \(, 110,000\) & 41,310,000 & 54,200,000 & 5\% \\
\hline Farthenware end glasy & 26,300,000 & 29,900,000 & 34, 11000010 & 23, 21900006 & \(28,4640, n(0)\) & \({ }_{56} 59\) \\
\hline Gruin \({ }^{\text {Haberdashery, fincv goorls }}\) - & \(93,700,001)\)
\(1+6,500,000\) & \(93,660,100\)
\(165,600,010\) & \(98,210,009\)
\(204,100,1100\) & \(41,8103,1200\)
\(140,600,1041\) &  & 19amoi \\
\hline Heberdashery, fincy goorts sc.
ilewellery, gold, without stones & \(1+6,500,000\)
67,3100000 & \(165,600,010\)
\(66,800,000\) & 204, \(72.600,1006\) & 18, 180000000 & 17, 10101000 & 19 ym \\
\hline Nachinery & \(32,1(1), 000\) & 35,600,000 & 50,400, 0100 & \(8,3060,000\) & \(75.500,600\) & 9, 5 and \\
\hline Manufactures : cotton & 119,204,000 & 159,900.0 310 & 183, \({ }^{\text {a }}\) (10,000 & 63,310410100 & 88,2000000 &  \\
\hline hinen & 20,600,000 & 26, 0100,000 & 35,700,000 & 14,700, 36 & 19,400, 200 & 409, 0,0 \% \\
\hline silk & \(467,600,000\)
\(500,100,0 \div 0\) & \(491,000,000\)
385,31010 & \(331,701,000\)
\(471,300,000\) &  & 37 &  \\
\hline Paper, all kindu \({ }^{\text {Wool }}\) & \(\begin{array}{r}560,100,0 \% \\ 35,9010 \\ \hline\end{array}\) & \(385,310,000\)
\(39,600,000\) & 4 41,20000000 & 31, 100 O, 100 & 3i, & Sols \\
\hline Silk - & 149,400,000 & 147,200,060 & 146,800,010 & \(49.800,000\) & 96,20, 000 & 101, \\
\hline Skins : manufactured & 68,410, 1000 & 85,300,000 & 94,400,000 & 6.5,800,006 & & \({ }^{89}\) \\
\hline tanned, cutrited \&c. & 45,201), 000 & 60,900, 010 & \(71,600,000\) & 38.91000000 & 51,900000
68.3100000 &  \\
\hline Splrits, all sortis & 39, 9600000 & 68,900,000 & 77,400,000 & \(56,300,2000\)
\(80,600,010\) & 6 6, \(6000,0 \mathrm{nt}\) & t,wout \\
\hline Sugar, refined \({ }^{\text {Pimber, }}\) & 51,700,000 & \(78,(600), 0(0)\)
\(36,141,1000\) & \(76,000,010\)
\(33,410,010\) & \(50,600,000\)
\(\mathbf{2 6 , 4 0 , 0 , 0 9 0}\) & 3.3, \(5 \times 0,0,000\) & 34,00\% \\
\hline Weres and tools, inctal &  & \(34,1104,100\)
\(224,110,000\) & \(3,3,900,010\)
\(123,240,4100\) & 41,901,000 & 43,704, 100 & 4.tion \\
\hline Whe - & \(211,9011,000\) & \(2.31,3001000\) & 236,500,000 & 210,1100,1nio & 2294,70,0ive & 2il \\
\hline Woot linen & 47,700, \(\mathrm{H} / 100\)
fi.100,000 & \(51,400,100\)
32,6000 &  & \(4 ., 100,010\)
\(3,1 m \% 000\) &  & gis 5 and \\
\hline
\end{tabular}

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Thide between Fnasce and England.
Sothing can more strikingly illustrate the mistherous intluence of commercial restrictions miseliesous history of the trade between Great Winin and frame. If cre we have two countries frat wealth and population, rear neighbours, ardech posesesing innuy important aricicles that the ofier wants, and yet the intercourse between thens ince 1689 h.s generally been in considerable. . 1 distant period this was not the case. Prewo the accession of William III, the imputation of wine only from France amounted to about 13,500 tuns n-year, our imports of brandy and dher articles being propor cionally large. Mut Lavis XIY. hnving espoused tho cause of the raibed family of Stuart, the British Government not reelliecting that the blow they aimed at the Frach would also smite their own subjects, imFwed in 1693 a discriminating duty of \(8 \ell\). per \(t\) un to French rine, and in 1697 raised it to no less than 33.1 per tun! It is probnble that this excess cfouty would have been repealed as soon as the reculiar eiveumstances in which is originated had disapparal, had not the stipulations in the famous cmmencial treaty with Portugal, negotiated by Hr. Mehuen in 1703, given it permanence. Acording to this treaty, we bound ourselves for the finure to charge \(3 \dot{3} \frac{1}{3}\) per eent. higher duties on the wines of Frnnce imported into England than un those of Portugnl; the Portuguese, by way a compensation, binding themselves to almit ant roollens into their markets in preference to those of other countries at a fixed and iasmiable rate of duty.
Though rery generally regarded at the time as the highest effort of diplomatic skill and didess, the Jethuen treaty was, undoubtedly, bonded on the narrowest and most contracted fiers of national interest; and it in consequence
proved in no common degree injurions to both aries, but especially to England. By binding anelves to receive Portuguese wines for tucoFirds of the duty payable on those of France, we heffert gare the Portuguese growers a monopely f the British market; at the same time that we aduded one of the principal equivalents the rench had to offer for our commodities, and wroked them to retalinte. This, irdeed, was no ficeult task. Unhappily, they were but too ady to embark in that course of vindictive licy of which we set them the example; so at, probibitions on the one side being imme-
tely follored by counter-prohibitions on the fer, the trade between the two countries was arly annihilated! The indirect were still tre injurious than the direct consequences of * retched policy. It inspired both parties theaings of jcalousy and dislike, nnd kept min the frowning attitude of mutunl definnce. ch enried the other's prosperity; and being wed to take fire at even fancied encroachats, the most frivolous prete:itai were sufficient tagage them in contests that have filled the ve world with bloodshed and confusion. But things been left to their natural course-had mifetered commercial intercourse been allowed for up between the two countries-the one da have formed so near, so rast, and so profita market for the produce of the other, that could not hare remained long at war without viningthe most extensively ruinous distresseswhich no Gevemuent would be willing to coaits subjects, and to which, though the sument were willing, it is most probnble no (Wnuld be disposed to submit. A free trade mun England and France would give these two
ion mations one common interest. It would ocea sion not only a vast incrense of the industry, mud of the comforts and enjoyments, of the people of both countries, but wond be the best attainable sccurity against future hostilities. 'We know, said Mr. IIydo Villiers, in his speeci of Juno 15, 1830 , 'that British enterprise will ietch the extremest. points on earth in the business of excharge; but here are the shores of France nearer to Emphand than those of Ireland itself-nay, Dordenin is commercially nearer to London than it is to l'aris; and, but for the lamentable perversion of the gitts and dispositions of mature, and of the ingenuit \(y\) of man, the highways of commerec between these countries-the seas which surround Great llritain and Ireland, and wash the shores of France-shondd literally swarm with vessels, engaged, not only in the interchange of materinl products, but in diffusing knowledge and stimulnting improvement; in creating everywhere new neighbourhnods ; in consolidating international dependence; in short, in drawing daily more close the bonds of international peace and confidence, and thus advancing, while they also served to confirm and secure, the peace, the civilisation, and the happiness of Europe.' This was one of the last public appearances made by Mr. Villiers. He died in December 1832, at the enrly agre of 31. His death was a nationa loss. Few have entered upon public life with better dispositions, more enlarged and compreliensive views, or a more sincere desire to promote the happiness of their species.
'The commercial treaty which Mr. Pitt negotinted with France in 1786 was the first attempt to introduce a better system into the trade between the two countries; and it is one of the few treaties of this description that have been bottomed on fair and liberal principles. But the revolution in France, and the lengthened and bloody wars by which it was followed, cotally suppressed that mutually bencficial intercourse which had begun to grow up under Mr. Pitt's trenty, and revived and embittered all the old hostile feelings and prejudices inherited by both parties. Since the peace of 1815 the animosities and prejudices in question have, however, been much mitigated. The abolition of the diseriminating duty on Erench wine in 1831 had a considerable influence in bringing about this improved state of things, at least in a commercial point of view; and since then we have given a still greater extension to the same enlightened policy by reducing the oppressive duty formerly laid on brandy, and the bigh duties on silks and other articles of French produce. It should also be borne in mina that France has profited largely by the repeal of our corn laws. Her exports of wheat and flour to our markets have been mueh greater than any one anticipated, and have conduced creatly to the advantage of the agriculturists of Normandy, and generally of the north-west departments of France.
There was, in consequence, a very great extension of the trade between the two countries; though it was still trifling enmpared to what it would have been, had it been allowed to attain to its fult development. But the French showed little inclination to reciprocate the liberal policy of which we had set them an example. On the contrary, their policy, if so ve may call it, was in some respects more anti-commercial than ever. In 1836. for example, the Fren:h Government having considerably reduced the high duties that were then imposed on foreign linens and linen yarn, the innports of both articles rapidly increased, and a powerful stimulus was given to the trade of Firance. But, as might have been expected, the linen manufacturers and spinners, whose monopoly had beeu
IV.-Account of the Quantities aml Declared Values of the Principal and other Artides Produce am Munufuctures of the United Kingelom Lirported from the Unital Kingtom to
France in cach of the I Fcars ending with 1866 .
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow{2}{*}{Articles}} & \multicolumn{4}{|c|}{Quanities} & \multicolumn{4}{|c|}{Mechated hat Satue} \\
\hline & & 18673 & 1861 & 186 & 1866 & \(1 \times 6.1\) & & & \\
\hline & - curs. & 170,35 & 1:0,200 & 153,407 & 96,963 & \(t\) & & & \\
\hline Apluarel and haterdishery & - vatue & 170, & , & & & 182, 1015 & & \({ }^{611} 003\) & \\
\hline faunchouc, matulictures of & & & & & & 91, & 1-66, 16 & 1, & \\
\hline Cement \({ }^{\text {cosen }}\) & \% & 460,181 & 819,793 & 616,212 &  & 51, 27 & (9\%-19 & , \% & \\
\hline Coals, cimlers, ant culm & Sis & 1, milti, \%it & 1,11,410 & 1, 5, 2,716 & 1, 91.238 & 56,i38 & (22, 838 & "u, & \\
\hline Copher, Wroukht and & & 151, 260 & 3n, 110 & 1,3,793 & 211250 & \({ }^{8} \mathrm{~S}, 975\) & [10,3il & 331,248 & 15 \\
\hline Wheat flour & & 3. \(\times 73\) & & & & 2, & & * \({ }^{3}\) & by \\
\hline Cuitm yarm & ilis. & 934, \(9 \times 5\) & 8516.636 & 1,510 & 4,083, 019 & 178, 147 & 168,010, & & \\
\hline Contons, entered hy the yard & yaris & 17,i51,091 & 19,657,677 & 21,307,91, & 36,34,3,372 & 402.120 & \(5{ }^{3} 8\) & 394, 3 \% & \\
\hline Duge and chemical mitulucts & & & & & . & 1113,591
111,261 & 118, 1 & 13, \(3,4,4\) & \\
\hline Hariluww ire and porrelain & " & & & & & \({ }_{61,501}\) & 10k1, 3 & & \\
\hline dliplwates and cuthery, une & & & & & & , & 3, & \(55_{5} 0^{3}\) & \\
\hline ralest - - & - cuts. & 16,5,90 & 16,832 & 19,08.5 & 30,608 & 1,38,666 & 105,361 & 119,512 & \\
\hline llarmes & - mim. & \%, & 4, 20 & 13 & 13, 18.2 & 77,197 & 85, 513 & \({ }^{3} 5\) & \\
\hline Iroa, wrought and anwrought & \(t \mathrm{tas}\) & 181, 13.30 & 142, \({ }^{3} 5\) & 13,411 &  & 8.3 .6613 & 631,757 & 6.37, 11 & \\
\hline d, wined und shot & lbis. & 1,545, \({ }^{7} 90\) & \(9 \times 4.3\), &  &  & 176,056 & 71,4, \({ }^{1}\) & 91,1,4 & \\
\hline limens, entered hy the gard* & - yards & 3,176,330 & 3,607, 1 \% 20 & 3,3\%2,\%1 & 3, \(6,37,172\) & 180,998 & -40, & indal & 14, \\
\hline at value & alue & 3, & .. & & .. & 110,924 & S,2\% & & \\
\hline M.thinery : Stcam engin & - \(\quad\) & . & & & & 17, pri & s,ime & 19, 14.4 & W \\
\hline Naphtha, parathue ull, & gallons & 770,04.3 & 579,901 & 3:2i,10a &  &  & 36.439 & 3 39,071 & lis \\
\hline Whl, mext : & " & 970, 560 & 1,811,40, & 2,724,795 & 1, 16x, isit & 162, 512 & \(261, \mathrm{Ms}\) & 12,129 & \\
\hline l'ninters' culours thot etherwiae seribed) & value & & & & & & & & \\
\hline liate, plated ware, jewellery, & & & & & & & & & \\
\hline Saltpetre & cu\%. & 37.5 & 93) & 1,200 & 111 & & 511 & \% & \\
\hline Silk, Virn & lls. & 26.3.6.4 & 298, 1611 & \(21.3,747\) & 213,256 & 1:59, 310 & 15ata & M, & \\
\hline \({ }^{\text {W }}\) Thrown & & 144,250 & 117 , 653 & 6, 6,745 & 26, 3617 &  & 15, 5170 & \(1{ }^{2}\) & 110 \\
\hline 31,mutar furs & - value & & & & & 121,461 & 191, 1.21 & \(18 \chi^{\text {a }}\) & \\
\hline Spirls, Itrithland Irish & - gallons & 406,0 & 711,0 & 35,036 & 10,202 & 37.419 & 80,0946 & 4, 19 & \\
\hline "telegraplac wire Ne. Thir, unwrouth & - value & & & & & 118,494 & 13.ini & 111 & \\
\hline 'lin, unwrought: & - ewtio & 2h,03 & S & 21,112 & 27,i16 &  & 14, 30.12 & Magrio & \\
\hline Wind, *luep pand lambs' & - liss. & 4,4,56,017 &  & 3,214, 1101 & 6,184,75s & 314,7\% & 35,301 &  & \\
\hline Woollen and worsted yarn - & ds & 1,412,481 & 18,7\%3,3,39 & 1, 0108,316 & 1,943,6616 & 369, \(1 \times 9\) & 3110,610 & 423, 1,0 & \\
\hline Woollens, entered ty the vard at value - & - sards & \(21,2 \times 2,131\)
.. & \[
18,066 i, 468
\] & 20,561,052 & 31,196,561 & \[
1,391 ; 21
\] & , \(28.1,93,2\) 2 &  & \\
\hline All other itriclea - & & & \(\because\) & & . & 971,305 & ,060,696 & \%, \(0^{3}\) & \\
\hline 'I'otal value & - - & .. & .. & \(\cdots\) & \(\cdots\) &  & 55, 361 & & \\
\hline
\end{tabular}
interfered with, felt aggrieved by this new state of things; and instead of endeavouring to withstand the competition of their foreign rivals by improviug their fabrics and cheapening their processes, they fonnd it more convenient to appeal to popular prejulice, and to represent themselves as sacriticed, through a false policy, to the cupidity of tireigners, who, to insure their ruin, sold their products at less than they cost! And this contradictory nonsense induced the Government to retrice its steps; to re-impose the high duties on foreign linens and yarns; and, consequently, to incrense the price of a necessary, and to check or prevent the production and exprotation of the articles which had been sent abroad in payment of the linens.
The same felo de se policy prevailed in regard to the trade in cottons and most other things. but the restrictions on the importation of iron may, notwithstanding the reductions mate from their amount in 1853, be regarded ns the triumph of the protective system in France. Everybody knows that a cheap and abundant supply of iron is indispensable to anything like successful agriculture or manufactures; and everybody knew, none better than the Emperor of the French, that owing to the scarcity and bad quality of coal in Franee, and the necessity of using wood in the smelting of minerals, sho had no facilities for the production of iron, which consequently cost a very large sum. Under these circumstances it might lave been expected that the French would have opened their ports to the iron of all countries, and that if they did not encourage its importation by a bounty, they would have, at all events, taken especial care not to cheek it by a duty. But no: they were so enarnoured of bad and dear plonghs, and of bad and dear implements and machinery of all sorts, that they imposed all but prohibitory duties on foreign iron. Under Napoleon I. duties of 44 fr . and 110 fr . per ton
were laid respectively on bar and sheet-ind these, though justly objectionable fur their great marnitude compared with its price, atterwards raised till they amounted, Napoleon III., to 200 fr . (81) ) ind 430 fr ( (it) per ton! But these monstrous duties mer duced, as already stated, in 18:33, to about al They wore still, however, a great deal ton \({ }^{3}\) in thet, they ought unt to have cxisedry And this forced searcity and high price d most important industrial agent paralyed culture and all the more important arts brought them almost to a staml. And tin was this immense sacritice incurrel?-to m the rapacity of a handful of forest propiz who contended that they would suffer werein iroln admitted duty free, or at a modernte The lirenel did not kill the goose for the of the eggs, but for the offal she lad pisked It would bo a libel on an intellityent pay suppose that such a system could be perm The beneficial influence of our reductioss duties on lirench wines and brandy ti: tho growing popularity of free trade pras eventunlly led to the Treaty of 1806 . "ThisTh may indeed be said to have gone to the mp extreme, for it stipulated for the entite exm: of many important French products fom customis duties, even when these were et nnobjectionable. But however erronems financial point of view, this conduct of ous bined with the reduction of the duties on British articles imported into Frauce, has powerfu! stimulus to the trade between tu countries.' (P'rizciples of Political Emant 1864, p. 108.) For the text of the Tran? Theaties, Commencial.
The fruits of this Treaty will be best \(5:\) comparing the trade between france and Britain in 1863-66 with that of 1884-i. In addition to the pertion of Trester



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Toule Brthin and Forr

V．－－Hconnt of the Quantitics amel Declarct Values of the Principal－rtic／es the Protuce and Manu－ facture of the United Kingdome Exportct th＇Hunce in cach of the 1 Ycars condiny with 1857.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Aritics} & \multicolumn{4}{|c|}{Quantite} & \multicolumn{4}{|c|}{Declased Value} \\
\hline & 1831 & wis & 18.6 & 18.57 & 14.31 & 1535 & 1856 & 1857 \\
\hline & － & － & － & & 16，18， & & & \\
\hline  & & & & & &  &  & bris \\
\hline istet mid pork & & & & & \({ }^{2+2}\) & chiniol & 13， 3,6 & 8， 4.3 \\
\hline Tounh timica mad culme & 81. & Sisw & 1，159， 79.36 & － & 3， 36 & 41.1 .107 & 620， 167 & 571，126 \\
\hline  & 17， & 83,150 & \％ial， & 72,46 & ， \(17,1.1\). & s3i， & & Sole \\
\hline  & 5，087， 16,165 & & 0， \(1.3,949\) & 17， 1,436 & & & 15，（3） & \(1{ }^{1} 174\) \\
\hline  & 5，047，50 & 7，019，671 & 9，523，43＇ & 17，152，539 & 112 & \({ }^{13.512,1219}\) & 101， 3 & \({ }^{2} \mathbf{2 1 , 1 7 4}\) \\
\hline  & \({ }^{126,048}\) & 171，0088 & 12，\({ }^{\text {and }}\) & 43.3042 & 97， & 31， \(13 \times\) & 2，74t & ： \(12 ; 13\) \\
\hline Tin．dinut and ungiresed & \％，216i & 15， & 18.916 & 14，106 &  & 191，3\％ & 9\％， &  \\
\hline \begin{tabular}{l}
Hiarkates and cuttery \\
Hinco
\end{tabular} & 116 & 4 & 1，心\％ & 75. & 3140，330 & 136,2 & 66，04＇ & 4，9660 \\
\hline 17，wrough and unwrux & & 117，173 & 173，4，51 & ， & 261，fri6 & 902， 6121 & 193．7．76 & \\
\hline Leactur thet & 1，221，473 & 1， 183 & & & 32，189 & 91， 91 & 2， & x， \\
\hline  & & & 1，253， 31010 & & 61， 6103 &  & 行， & \％1， 6 \\
\hline  & － & ， & \({ }^{\text {a }}\) & －\({ }^{\text {a }}\) & 17， & ， & 1s， 10 & \\
\hline  & & & & & 10， & 1 & 154，\({ }^{1}\) & 216， \\
\hline  & 25，917 & 1，123，483 & & －2，74 &  & 174， &  & 112，\({ }^{19,24} 1\) \\
\hline Pis numifclurs \(\quad \vdots \quad \therefore \quad\) gathins & & & 3，153，5，4 & 191 & 3．1， 4 &  &  & 74， \\
\hline \％ & & & 3，13，M151 & ， 11 ，78 & & & Ax．1217 & 76， 16 \\
\hline Thu，hnep nit lami， & 9，503 & 77 & 12，031， &  & 3 3，943， & 717，112 &  &  \\
\hline ms，milered by the & 1，15i，\({ }^{\text {d }}\) ，\({ }^{\text {a }}\) & 1，051，505 & 1，244， 1,1 & 2，157，034 & \({ }^{5 i} \times 178\) & M，Mity & \(6 \underline{1148}\) &  \\
\hline  & 40－1：14 & 438，816 & 1，29， 018 & 1，10，¢finu & 1112,318 & W，wivis & 17\％，…j & 211， \\
\hline Tout wdue of the alove and of al & － & & － & －－ & 17．5，2 &  & 43：， & ，21．3 \\
\hline
\end{tabular}

Yl－Stcount of the Qumatities and Declared Values of the Principal ant other Artucles of Foreign cul Colimial 1＇rotuce Earported from the United Kingdom to Irance in cach of the 4 Years undian with 1866.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Aricles} & \multicolumn{4}{|c|}{Quantites} & \multicolumn{4}{|c|}{Value} \\
\hline & 186 & 1861 & 1863 & 1866 & 1865 & 1863 & 1565 & 1866 \\
\hline  & & & & & \[
\underset{78,329}{\boldsymbol{\varepsilon}}
\] &  &  &  \\
\hline  & 298， 96 & \(5{ }^{5679}\) & 597313 & 53if， 1,16 & 317，1\％ & 边 & 31，\({ }^{\text {3n }}\) & 20， \\
\hline Camphor，rmand and uirretiucd ：cwis， & & 7，190： & 4,36 & 2， \(7,3,76\) & 30， 3,784 & 35，410 & 201， & \\
\hline  & 号， & 1，5114 & & 7， 3,156 &  & & － & 76， \\
\hline  & 392， 6.48 & 314， 116 & ง（13，917 & 1，69，2，32 & 10，3，7 & \％\({ }^{\text {\％}}\) & 11，7si & 56,514 \\
\hline cosfe： & 13，393， 3 ；6 & 0， \(227,3 \mathrm{sk}\) & 15，543，210 & 19，（ixy， 112 & 482，467 & 322，669 & 528,593 & 635，296 \\
\hline Copere marrought and part ewts． & & 05，4．10 & 117，52， & 192， 6.54 & 271，714 & 461,691 & 543， 156 & 76，073 \\
\hline  & 44， \(4 \times 60\) & 4， & & cin \(\begin{gathered}1,116 \\ 1,15 \\ 1\end{gathered}\) & \％ \(2,0,9,3\) & & 613， 3 & 6， 51215 \\
\hline Coter，bee flour \(\quad\) ：\(\quad\) ， & 61， & 561，6is & 773， 107 & Q3i，14 & 5，517， 54.4 & \(5,240,32\) & 5，199，894 & 4，7co， 4 \\
\hline  & 3，985 & 4，790 & 5，075 & （6，1，5it） & － 15,224 & 17，301 & －11，116 &  \\
\hline Fand diend yd undrissd ．cwis & 9，6，3i］ & 12，517 & 15， 8 & 16，54 & \％6，\({ }^{\text {29，}}\) & 33， 1,16 & 41.350 & 46，934 \\
\hline & 95.3 & 1,739 & 1，16iu & 4，173， & 4，5，50， & & 7，574 & 20，37 \\
\hline  & 1，\({ }^{\text {hat }}\) & 5，5\％ &  & 5，5301 & 33，411 &  & 17，309 & 21， 21,560 \\
\hline Gum las ：Whell & 1，363 & 5， & 1，172 & & 1，104 & 3， 612 & 36， 34 & 21，20 \\
\hline  & & & & & 91， 9 & 49， 21.4 & \({ }^{103,} 146\) & 30，431 \\
\hline \({ }^{\text {Hansmp}}\) ，dresed ani & 16， & 2， 2,0303 & 370， \(4 \times 3\) & 361， \(22 \times\) & 20，99\％ & 29\％，2063 & 335，\({ }^{2} \times 4\) & 337，612 \\
\hline & 20，785 & 33，6，3！ & 14，212 & 52，88is & \(81,4 \% 0\) & 101，0151 & 42，001 & \\
\hline Himes，Buafle．ther，and other sorts tous & & 326 & 74.3 & 988 & 18，3n9 & 13，754 & 20，973 & 24，801 \\
\hline  & 2，673 & 5，\({ }_{1}^{1 / 146}\) & \({ }_{4}^{4,982}\) & 8, & 73，0，3， & \({ }^{1584.24 .5}\) & 14，296 & 257， 915 \\
\hline Maytrapresing & & & & 16,48 & & & & \\
\hline  & 1， & 11，1125 & 1， 418 & 19， 12,21 & 33 ， & Sis \({ }^{2}\) & 25，791 & － \\
\hline Ornat mot buble and spermacell tuns & \({ }_{162}\) & & ，215 & 31 & 10， & 10，161 & 12，421 & \\
\hline Prea & & 5,5 & 1， & & & & & 18，16， \\
\hline  & 413，\({ }^{2} 117\) & 325，66．5 & 309， 5.7 & 303，751 & 37，439 & 31，26， & 37，（170） &  \\
\hline  & & 14，953 & 43，879 & 4，5，685 & & 3. & 9，950 & 22，462 \\
\hline  & \({ }_{3}^{3} 31,3,319\) & 111， 1939 & 51，936 & 147， 4785 & 2011，571 & C2，\({ }_{6} 9.15\) & 55，706 & 100，4288 \\
\hline Fia and lineeal：－\({ }_{\text {girs．}}\) & 15，223 & 25，024 & 14，303 & 3，014 & 46，501 & 6， 8,39 & & \\
\hline Popp & 13，2 & 11，865 & 29，375 & 41，410） & 3s，18， & 31；24 & 69，381 & \\
\hline to cypering oil himefrom & & 2，918 & & 7，755： & 78，4 & & 3，5 & 82 \\
\hline  & 21，142 & 48，715 & 25， 885 & 27， 78 & 36，3，\({ }^{\text {a }}\) & 123，613 & 67， 688.8 & \\
\hline kupt his hisk ： & 45， \(8 \times 5\) & 48， 635 & 61.980 & － & 153，641 & 128，317 & 187，996 & 217，396 \\
\hline n\％ & 3，231，490 & 3，16，3，6．6．5 & 2，481，190 & 1，43，036 & 3，29，344 & 3，515，919 & 3，267，205 & 1，931，327 \\
\hline zutronn & 196，298 & 303，604． & 278， 146 & －5，524 & 311，805 & 511，3．6 & 387，533 & 114，981 \\
\hline Lubfis & 0，37 & 9，747 & 8，851 & 4，722 & 23，841 & 21，810 & 22，617 & 12，283 \\
\hline rvisered & & & & 18，275 & & 15，2 & 11，6\％0 & \\
\hline No． & 356， 140 & 450,73 & 329，4 & 377，239 & ：63，74 & 43，\({ }^{\text {a }}\) & 411， 6 & 45，09， \\
\hline  & \({ }^{60,153}\) & 40，450 & 34， 31,48 & 70， & 4， 81 & & 3，\({ }^{4,3740}\) & \\
\hline －\(\cdot\)－Ius & 141，671 & 111，709 & 99 9， & 2us， 36.1 & 14，6，67 & S，\％ic & \({ }^{8,366}\) & 16，4，3 \\
\hline ：\(\quad\) cwiti． & 147，2323 & 38，849 & 9，191 & 330 & 174，471 & 33，364 & 11，504 & 1 \\
\hline & 2,8 & & & 3， 13 & 3，91 & & 1，2353 & 39 \\
\hline ctit，Etplamic & 20， \(2,33^{2}\) & 175，268 & 219，30 & \begin{tabular}{|c}
257,123 \\
2,367 \\
\hline
\end{tabular} & 615， & 13，3， & 18，314 & \(20,6{ }^{201}\) \\
\hline thimrought－：cwio & 14，098 & 19，099 & 11,426 & 11， 667 & \(84,5 \times 8\) & 96，\({ }^{\text {m }}\) & 63， 131 & \({ }_{46,93}\) \\
\hline butco wamanfactured & 239，864 & 172，302 & 1，560，312 & & 11，369 & 7,11 & 35，275 & 14，115 \\
\hline mraif ibel and Turile sh & 7，411 & 10，148 & 15，331 & 30，505 & 4，648 & 6，14 & 9，734 & \\
\hline & & & & & 28， & & 51，301 & 3，13\％ \\
\hline  & 26， & 19389 & 176，193 & 14， 2,647 & & 5，34 & 51， 595 & 边 \\
\hline  & 31，336，537 & 38，139，271 & 50，129，17， & 4，315，376 & 2，190，434 & 5，033，176 & 3，663，124 & 3，651，171 \\
\hline  & & & & & 14，6，5314 & 530，1360 & & \\
\hline Total ．．． & & & & & & & & 490，73i \\
\hline Toulaf 8 stitish nnd Fureig & － & & & & 1，621，23 & 15，638，0．15 & 16，292，977 & 14，897，489 \\
\hline  & － & － & － & － & 291，5 & 3， 235,592 & 3，355，072 & 6，597，429 \\
\hline
\end{tabular} France into the United Kingdon in each of the 4 Ycars ending with 1857.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Principal Articles} & \multicolumn{4}{|c|}{gluantities} & \multicolumn{4}{|c|}{Computed Values} \\
\hline & 18.4 & 1855 & 1856 & 18.57 & 1851 & 1855 & 1856 &  \\
\hline & & & & & & & & \\
\hline Animals, living t nxen and bulls ans no. & 3,961 & 4,182
1,159 & 1,187 & 1,609 6.17 & 46,932
4,5961 & \$87,191 &  & \\
\hline \begin{tabular}{l}
rows and calves - \\
horses
\end{tabular} & 2, 2,09 & 1,159 & \({ }_{\text {cisi }}\) & 6.973 &  & \begin{tabular}{l}
12.176 \\
\(1 \times, f i v i\) \\
\hline 1
\end{tabular} & 5,1618
23,461 & S, \\
\hline Apples, raw horses : busheti & 20 i,949 & 23,919 & 216, \({ }^{936}\) & 159, 194 & 44,942 & 14, & 23,461 & ; \\
\hline A phattum or bliumen Judalcum - tums & 1.975 & 1,165 & 2, \(\mathbf{4} \mathbf{4} \mathbf{5 7 3}\) & 4,313 & 49, 783 & 21) \% 13.5 & \% \(4,4,4\) & \\
\hline flooks - - - cuts. & 1,843 & 1,76i7 & y, 2 z 6 & z,4! 4 & 20,119 & 19,93 & 24,973 & 1,931 \\
\hline Butter - - - & 4,5,6i36 & 22, ck9 & 32.381 & 26, \(3^{3} 9\) & 191, \({ }^{2}\) & 86,661 & 137,620 & \\
\hline Chatuti houe, manufacturea of - libs & 168,754 & 162,335 & 35\%,134 & 2663, 137 & 24, 534 & 2x, 111 & 32,9,5 & 2 \(23,3,30\) \\
\hline Culna ware, purcelaun, and earthenware & 3,09 & 3,288 & 3,928 & 3,139 & 31,312 & 33,4×4 & & \\
\hline Clocks . - - no. & 43,736 & 31,725 & 84,196 & 101,395 & 6,3,331 & 6y, 33.5 & 79,3\% & 31,69 \\
\hline Corn : wheat - - , ars. & 143,178 & 26,159 & 10, 0107 & 37,178 & S15,041 & W0,733 & 35,02\% &  \\
\hline h.irtey - - - & 1,810 & 1,914 & \({ }_{2}^{2,679}\) & 6,231 & 2,308 & 3.211 & 4,4t1 & 11,661 \\
\hline miaize or Indian corn : ", & 1,169 & 26,773 & 27,itis & 31,180 & 2.923 & 59,279 & 41:25\% & 3, \({ }^{3}\) \\
\hline other kints \({ }^{\text {a }}\) * \({ }^{\text {ar }}\) & 13,923 & 21, 2.58 & & \% \(\begin{array}{r}2,331 \\ 305115\end{array}\) & 32,03, & 6z. 11.3 & 1,992 & 4.054 \\
\hline Cottun, whentural and flour & 219,733 & \(\mathrm{kn}, 196\)
\(3 \times, 966\) & 69, 11,567 & 327,115
14,811 & 21, 3 , 6938 & 111,3\% & \(8,3 \times 14\) & 33.4542 \\
\hline \(\underset{\text { Coltan, raw }}{\text { Cream of tartar : }}\) & 16,339 & 3x, \(4,2 \times 10\) & 16,451 & 18, & 91,394 & \({ }_{2 \times 1,35}\) & 31, \({ }^{3}\) & \\
\hline Ferss cubiceft. & 153, 138 & 435,7 \(\mathbf{L}^{\prime}\) & 513.71 & 563,999 & 295,258 & 2U6,9i9 & 24,011 & 251, M19 \\
\hline Emitrolder & & & & & & & & \\
\hline nexde \({ }^{\text {a }}\) - lbs. & 3,370 & 1,191 & 1,731 & 2,456 & 15,166 & 6,711 & 7,788 & 1,033 \\
\hline Curiaios, emturoidered
nuasin or \({ }^{\text {att }}\). & 91,7 & 52,60 & 50,2 & 57,156 & 47,349 & 20,304 & & \\
\hline Unenumerited - matue & & & & & 31,632 & 25,475 & 48, &  \\
\hline Finwers, artiticial - cubicft. & 86,124 & 21,697 & 52,886 & 34.459 & 78,566 & 71.691 & [ \(18,4,459\) & 103, 35 \\
\hline Garancine - * Eutw & 8,996 & 14,396 & 6,643 & 17,8.53 & 6y,972 & 86.73\% & 46,353 & [34,111 \\
\hline Glass, plate por fint, put and not cut cxcept & 514,302 & 418,58,3 & 481,458 & 368,978 & 19,286 & 16,569 & 21,2/3 & 19,114 \\
\hline hothes) - & 411,761 & 396,1 19 & 406,883 & 348,2.52 & 9,899 & 8,217 & 60 & \\
\hline 1fats or lonnets of stravr - - "ir & 37,999 & 11,699 & .19,35 & 81.93 .3 & 112,107 & 41,015 & 58,1662 & : 1, \\
\hline Hides, not tamed \({ }^{\text {a }}\) - cwis. & 302 & 6,052 & - 9,6.16 & 17,338 & 1,021 & 13,907 & y9,5\%1 & 6, 6,31 \\
\hline any way ures'ed. & 1,116,582 & 665,557 & 975,915 & 1,856,438 & 105,811 & 58,501 & 109,328 & 13,150 \\
\hline Leather manufactures \({ }_{\text {a }}\) & & & & & & & & \\
\hline thoves - pairs & 3,711,729 & 3,551,425 & 3,939, \({ }^{1} 93\) & 4,136,56,8 & \(2111,8.35\) & 223,232 & 296,171 & 315,431 \\
\hline Boots, shoes, and goloshes & 1:1, 281 & 145,366 & 1810,514 & 187,137 & 32, 11 & 41,231 & & 3, 2,20 \\
\hline Boot fronts & 558,061 & 331,676 & 66, 145 & 332,477 & 32,014 & 36,939 & 8h,333 & 86.36 \\
\hline Cambrics and French lawns sq. yis. & 136,3\% & 151,825 & 188,132 & 134,359 & 25,8.37 & 27,829 & 33,686 & 2, 5 , 0 \\
\hline Mather - - ewth. & 6x,351 & 71,627 & 66,522 & 64,444 & 161,112 & 161,161 & 161,968 & 1685 \\
\hline Madider root - - - . & 31, 1,53 & 18,2.33 & 6,216 & 28,502 & 71,408 & 35,098 & 11,574 & 4t, 105 \\
\hline Oil, rapeseetd - - . tuns & 383 & 14,297 & 1,530) & 3,299 & 18.226i & 134,0;8 & -88,795 & 15, 515 \\
\hline Od seed cate - - toils & 11,164 & 19,315 & 13,767 & 13,150 & 102,150 & 193, 048 & 119,396 & 1.4064 \\
\hline Paper hankings - - \({ }^{\text {c }}\) - & 1.33, 217 & 274,336 & 302,102 & 306,743 & 30,650 & 13,717 & 15,105 & 13, \(\mathrm{j}_{\mathrm{j}}\) \\
\hline Platting of straw, chip, and other materints & 1-6,926 & 125,425 & 1.18,220 & 144,398 & 1;1,766 & 120,737 & & \\
\hline Pork, salled - \(\quad\) - cwis, & 13,5819 & 8,851 & 20,1051 & 14,699 & 33,454 & 2., 155 & - \(31.6 \times 16\) & H1, \\
\hline Promes and trawings - - libs. & 37,215 & 59,460 & 32,977 & 48,011 & 14,304 & 14,965 & 1,3,2\%20 & 18, \\
\hline Seeds : clover - - cwis. & 70,98. 3 & 63,737 & 37,4113 & 81, 012 & 185,46 & 216,706 & 241,953 & [1, 4 4 \\
\hline grus - \(\quad\) - " & 27,48.3 & 19,181 & 22,702 & 37,447 & 23, 3 54 & 38,443 & 68,105 & 11439 \\
\hline trefoil - - - \(\quad\) - & 16,143 & 17,408 & 2x, 493 & 14,318 & 17,733 & 20,1593 & 30, 70 & 19, \({ }^{\text {a }}\) \\
\hline Silk, raw enue and husks & 148,493 & 139,070 & 157.559 & 3:5,66.) & 139,310 & 158,192 & 256,043 & 6insw \\
\hline  & 4,453
\(3.8,415\) & 3 \(\begin{aligned} & 3,307 \\ & 3293\end{aligned}\) & & 7,634
289,800 & 18,703
686,020 & 18,491
411,056 & 1146479
587,611 & 150,141
\(6,3,54\) \\
\hline Silk thrown & 3.38,415 & 12,193 & 331,068 & 289,500 & 686,020 & 411,056 & 587,611 & 60, \(0^{2}\) H \\
\hline stults and riftons & 353,011 & 504,853 & 538,708 & 128,600 & 1,393,809 & 1,249,930 & 1,376,119 & 1,067, 514 \\
\hline Sill pluch for making hats & 14,013 & 145,247 & 170,319 & 118,148 & 86,409 & 87,178 & 102,312 & OT, \({ }^{\text {a }}\) \\
\hline Skins, bid, dressed - no. & 6.57,994 & 64,3,78Y & 418,984 & 363,477 & 6,5,910 & 96, \({ }^{567}\) & 77,32t & \({ }^{\text {bf, }}\), \({ }^{\text {a }}\) \\
\hline gpiritu: brandy \({ }^{\text {a }}\) - gallours & 2,891,320 & 1,8b1,390 & 2,500,190 & 2,796,03; & 1,201,717 & 911,312: & 1,270,930 & 1, wisk \\
\hline Sugar, unrethned \({ }^{\circ}\) - cwes. & 13,6801 & 300,328 & 65,214 & 137,1115 & 5,374 & 538,191 & 98.854 & 24,93\% \\
\hline Thalow retined, and candy - & 13,201 & 24,971 & 29,743 & 31,712 & 29,041 & 42,995 & & \%oin \\
\hline Watches \(\quad=\) "no. & 109,3,39 & 91,141 & 88,349 & 837.214 & 271, \(2 \times 1\) & 209, 1313 & 212, 21286 & 20, \({ }^{\text {a }}\), 5 \\
\hline Wine - - gallons & 1,001,389 & 033,319 & 711,912 & 796,760 & 619,497 & 597,119 & 256,051 & 429,40 \\
\hline Woollen manufactures : Carjees and rugs & 2,31 & 2,808 & 7,48 & 3,059 & 92 & ,12 & 2,993 & \\
\hline Shawle, scarts, and hanulero & & & & & & & & \\
\hline chiefs
Unenumerated :- : value & 57,376 & 25,914 & 16,416 & 12,802 & \[
\begin{aligned}
& 13,709 \\
& 45,384
\end{aligned}
\] & \[
\begin{array}{r}
8,1 ; 8 \\
477.418
\end{array}
\] &  & \[
599: 3 i
\] \\
\hline 'Total value of the above and of all other articles & - & - & - & - & 10,16,73 & 9,146,418 & 10,586,392 & 1,9\%, hi \\
\hline
\end{tabular}
which is included in the French empire, France |there is also a considerable trade between Frmu possesses the colony of Algeria, the island of and Italy, Turker, Egypt, and British Jodia, Corsica, French Guiana, a few islands in the Gulf The French tisheries are chicfly those fet of Mexico and the Indian Ocean, a strip of land on the coast of Cochin China, and one or two unimportant settlements in British India.
The customs' duties and salt tax of France proluced in 186:, \(7,468,8151\); ; in 1863, \(7,810,7691\).; in 186:4, 6,47-1,671l. The largest sum was contributed by sugar, which reached on an average to nearly one half the total sum recaived; next coflice, then coal, and textile fabrics : these last two pay nearly the same amount to the revenuc.
The following shows the extent of the French mercanilile marine:-
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Years & \multicolumn{2}{|l|}{Sailing Vessels} & \multicolumn{2}{|l|}{Steam Vessets} & \multicolumn{2}{|c|}{Total} \\
\hline & 1 & tons & \({ }_{3}{ }^{\text {no. }}\) & ton & 3 & tons \\
\hline \({ }_{1 \times 6.3}^{1862}\) & 14,794 & 9113,590
900,272 & 338
316 & 73,381
84,963 & 13,132 & 9882, 98.51 \\
\hline 1864 & 14,820 & 944,63, & 361 & 97,884 & 15,181 & 998,519 \\
\hline
\end{tabular}

The number of these ships trading with Great britain and its European possessions is larger than that trading with any other country; but The chicf rendezvous of these fisheries is Dundith [Figneries.]
Of Frencli ports, Marseilles bas by far th largest commercial marinc. [Marselless.] tonnage entering the ports of Dunkirk, Burdgath Dieppe, Calais, Bordeaux, Nantes, Niee, int Cette does not vary considerably, [Borvers Nantes.]
The following are accounts of the real ralue imports and exports:-



            Thums wite
wire
Claty


            號
            \(\underset{\text { Whe }}{\text { Oib }}\)

                    (atoon yurn snd co
ratum hanufactour
cramp of Tartar










                hem mave firme
            Musiarot




            hup and cober materials if




\section*{}
between Frma ritish Indiu, ly those for oul has by far th nkirk, Boalogie ntes,
[Boroestr the real valoe
Specte Importen

at no distant date the beet-root sugari of France and Germany will compete successfally with the cane sugars of the trepies.

In the distribution of these imports and exports, the commercial relations of lrance and Grent Britnin are the most importnat. In \(186 . \mathrm{l}\) one-fiftli of the imports were obtained from, and one-third of the exporte transmitted to, the U'itited Kingdon. Belgium, switzerland, the Zollwerein, and Italy follow in orter according to the magnithde of their imports into lirance. Italy, Switzerland, Spain, nut the Zollverein take exports in order. In nll these cases the exports and imports severally exceed \(250,000,000\) franes, i.e, in round numbers \(10,000,000 \mathrm{l}\). sterling. 'The commeree of France is only second to that of Eingland, its total exports and imports in 186.1 amounting to \(3 \cdot 18,517,6111\)., whle thove of the United Kinigdom in the same year amolated to \(487,571,7861\).

Weights and Measares,-The French system, which has been extended into Belginn, Switzerland, and 1 taly, is called metrical becanse fonuted on the metre, a mensure of length elpual to the estimnted ten millionth part of the terrestrial meridinn from the North Pole to the Equator. [Weights and Measuhes.]
It is possible that the system which prevailed before 1795 may still linger in remote parts of France, but the metrical system in nll its combinations and subdivisions was made the only legal measure during the reign of Lonis-Philippe, and it is believed that at the present time the older system is all but extinct.

The par of exchange between Grent 13ritnin and France is \(11 .=25 \cdot 30\) francs. (For full particulars as to rates of exchange between France and other comntries, and as to processes by which the reduction of exchanges can be effected, see Tate's Mudern Cambist.)

The French laws and regulntions respecting bills of exchange are rather stricter than those which prevail in the United Kingdom. There are no dnys of grace allowed either as part of the term or as claimable in delay of legal proceedings. If a bill be not duly accepted or paid, protest of default must be made within twenty-four hours of presentation. If the acceptor becomes bankrupt. protest may be made, and legal proceedings commenced against drawer and endorsers befere the term expires during which the bill has to run. The holder of \(n\) bill, payable at or nfter sight, drawn by any foreign place on France or the reverse, must present the bill for payment or acceptance within specified periods aiter the date of the lill (these periods, called delais, varying with the distance) under penalty of losing all claim upon endorser or drawer, if it can be proved that the bill would have been honoured at presentation. Usance 30 days.
In the year 1864, 13,025 kilometres (upwards of 8,000 miles) of railway were worked in France, the average reccipts being 42,380 francs, or near 1,700l. per kilomètre, or about 2,610l. per mile.
The completion of railroads, and other improved means of interceurse, have, no doubt, contributed to develop the rescurces of the country and her great powers of production. Nothing, indeed. but the adoption of a reasonable law of suecession, and of a thoroughy liberal commercial system, is wanted to elevate France to a very high, if not to the highes, place among manufacturing and commercial nations; and considering the way in which her energies have been weighed down by oppressive duties and restrictions, her recent industrial pregress is quite marvellous.

HAWKERS AND PEDLARS. It is not very easy to distinguish between hawkers and pedlars.

Both are a sort of itinernnt retail dealers, who earry about their wares from pilace to place; Jus the former nre supposed to carry on business (in : larger seale thon the latter. They are subject in the same regulations.
Mryulations as to Maukers and Derllars,-The Legislature has nlways looked with suspicionay a itinerant dealers, nud has nitemp,ted, by oblizi them to take out lieenses nud plaing them mint a sort of surveillance, to lessen their numbers, amp to hinder them from engapine in dishunstat fra tices. But the resident dealir has so maty ad vontages on his side, that these precautinn* *em to be in a great mensure superifious. It shanily also be recollected that before shops wrepemerally established in villages and remotw di-triets linwkras and pedlars rendered material stevices t. conntry people; nnd even now the compecition which they excite is certainly advantageus.
By the 50 Gco. III. c. 41 (which phated tho manngement of hawkers' license duties under the Commissioners of Hackney Coaehes), hawkers and pedlars paid an munual license duiy of \(4 l\); and if they travelled with a horse, ass, or other beast, bearing or drawing burden, they weresubjert to an ndditional duty of \(4 l\). for each beast so cmploye The granting of licenses, and mauagement of the duties, were, by \(1 \& 2 \mathrm{Wm}\). IV. c. \(2:\), , hat under the contrul of the Commissioners of Stamps By the 24825 Vict. c, 21 the daties were reduced; and by the \(27 \& 28\) Vict. c. 18 exdie duties were substitutel, nnd fixed at \(2 l\). per annum ench for pedlars on foot, and 1/ for those with s horse or other beast drawing burden. By w 40 , Vict. c. 22 and 29, and 30 Vict. c. Gi, halfyealy licenses are sanctioned.

Hawkers and pedlars, unless houschoders or residents in the place, nre not allowed to sell by nuction to the highest bidder: penalty \(50 \mathrm{l}, \mathrm{h}\) hif to the informer, the other half to the Crown. But nothing in the Act extends to hinder any petsin from selling, or exposing to sale, any Eort af goods in any public market or fair; or to hider a hawker or pedlar from selting in a hired rom where he is not a resident, provided such sale is not by auction.

Every hawker, before he is licensed, must poo duce a certificate of good character and reputaing signed by the elergyman and two reputable inhs bitants of the place where he usually resides.

Every hawker must have inseribed, in Momat capitals, on the most conspicuous part of ereng pack, bos, trunk, case, cart, or other velicle, which ho shall carry his wares, and on ent room and shop in which he shall trade, and like
wise on every hand-bill which he shall distrna: the words 'Licensed Hawker.' Pcaalty in fault, 10l. Unlicensed persons wrongfully uin this designation forfeit \(10 l\).

Hawkers denling in smuggled goods, or in gou fraudulently or dishonestly procured, are punis able by forfeiture of license, and incapacity to tain one in future, besides being liable to all: other penalties, forfeitures \(\& \mathrm{c}\). applicable to sad illegal dealing.

By statute 6 Geo. IV. c. 80 it is enacted any person or persons hawking, seling, or \(\}\) posing to sale any spirits on the streets, lighm \&c., or in any boat or other vessel on the water, any place other than those allowed in this , shall forfeit such spirits and 100l, for everts offence. Any person may detain a hawket spirits, and give notice to a peace officer to cs the offender before a justice.

Hawkers trading without license are liable penalty of \(10 l\). So also if they refuse to show th license on the demand of any person to whom th



1 dealers, who to phace; but 1 busines on : are sinbject

Perllarso-Tha suspicion d, hy oulizit ner \(\dot{l}_{1}\) m 1 unde numbers, ant disloflest fat s so many all ectutions - pen nis. It latid opswere gene cmote district yial survices the enmpetition antageons. ich placed the uties under tha 8), bawkers ard \(y\) of \(4 l\); and it or other leat, crestibject to st so employel agement of the 1. c. 2., plact ners of Stamps. the duties rete ct. c. 18 excis it \(2 l\). per annum for those with 21. By 20 d . 6t, halt-yearly
householders or lowed to sell b nalty \(50 l\) - bulf the Cromn. But nder any pers de, any sort ir ; or to bide in a hired room ided such sale is
ansed, must pro t and reputation reputable inbs lly resides. ribed, in lama is part of every other vehiche, is , and on e trade, and liab shall distribut Pearlty ia rrongfully
fice goads for sale, or on the demnnd of any jus. ice, mayer, constable or other peace officery, or nnv atiere of the customs or excise. By \({ }^{5}\) tieo. IV co wh hawkers trading without a license are punishable ns vagrants.
To firge or counterfeit a hawker's license ineurs Tfenaly of 3001 . To lend or hire a hawker's wint thelicense becomes torfeited lower to dol. each, of a liceneed hawker marfeited. Hut the servant of idis mater.
llawkers trading without a license are liaile to te seized and detained by niy person who to venutice to a constable, in order to who may arried befire a justice of peace. Consfables ro huing to assist in the excention of the Act aro sualle to a penalty of \(10 \%\).
Nolling in the Act extends to prohibit persons dhe seling tish, fruit, or victunls; nor to hinder whaker of any home manufacture from exrery city, borough, town corporntet or fair; in wh: der any tinker, cooner raness-mender, or other person, frazier, plumber, and earring tho materials uecess going abont basiness
A single act of selling, as a parcel of handkermositute a hawker within, is not sufficient to ttatus (Hex \(v\). Little, 13 , 613 ) menning of the Br the (S2 Geo. Little, B. 613.)
trater is any geo. 11 J. c. 108 no person, being a Grat Britain, and selling tho mamufactures of shall bedeemed a hawher; and all by ucholesale, or their ageuts, selling by wholesale such persons, from howse to house, to nny of their \(y\), slanll go who sell again by wholesale or their customers beigy subject to any of the penalties containal any fet touching hawkers, pedlars contained in dapmen, So person arment of penaltios can ber these Acts for nonons langer period than 3 months. Harkers exposing thenths.
warketorn must do their goods to sale in a Perings bawking ten without a licet-place. to a pealty under 50 Geo. III. c, 41 are liable Waght they had a licuse. II. c. 41; and even ta penalty for selling ter in an would be liable Coittyredition of Burn's in an unentered place. The bawking of tobacco ostice, vol. ii. p. 1113.) br the \(3 \$ 4\) Viet. c. 18 of or snutf is prohibited dop perion duly lice 8. 12
ud pedlar may set up any to trade as a hawker whe where he is resident, awful tride in any thed any apprenticeship to theugh he have not mave, be may plead the general ise; and if proboble costs. (Chittr's edition of issue and have Thiii pp. 1102-1124.) The bawkers,
wire, 44,7461 . gross pevellars' duty produced in Nas: the cbarges of collection, paid by 17,779 perHil (Ger, herr; Dutch are, bowever, henvy. tare; Span, heno; Lutch, foulumi; Fr. foin ; Ital. mass, cut and dried for the form). Any kiud of nsimesis of hay-making is soid ford of cattle. The tox in Hidelesex thang in said to be better underbyom, The great object in other part of the thata bare it juir the grass as mueh as preserve the to bare it juicy, fresh, and free from possible, and The ent . and sorts of
A30 miles of the cities of bills of mortality, anter, is refulated by the London and West4445 Fm . IV. c. 21 ; and 1936 Geo. III. The first eancts that and \(19 \& 20\) Vict. c. the load of 36 trusses, each thay shall be sold ad of 36 trusses, each truss weighing 56

\section*{HEMP}

Sw, except new hay, which is to weigh 60 60.5 till sember 4 , and afterwards 56 jbs ong 60 lbs till eptember 4 a load ot lony ton, but thereafter only is hay wr ehas exactly 1 market is bomid to keep a repular clerk of the inspection of the muliep a regular book for the the seller, the inyer, the specitying the mames of of each load. Salicsmene salesman, and the priee from dealling on their own accoustons are prohibited At the instanee of own aceonnt.
of the Comucil Olliee, an order in Department issued during the cattle order in fomacil was landing of hay from IJolland pare, forbidling the Such licenses are still (ISts) called for a license. There nre 3 public ( 1868 ) called for
for the sale of hay and stray the metropolis Smithfield, and the Haymarket in Whitechapet, of the Regent's Park. The lat in the vicinity to be held in the Park. The latter used formorly Straw is sold by the called the Maymarket. each, making in all 11 cwts. 641 llos . It is allimed, we 11 cwts. 64 lls .
tion, that considernble frauds with what foundatho sale of hay and straw. Hente (Ger straw.
Dan. hamp; Swanf; Dutch, hennip, kennip; canape; Span. can. hampa; Fr. chanvre; Ital. Pol. konope). A viluable plant konapli, konopel; sativa of Limneus), suple plant (he Cannabis India, but long since naturalised be a native of cultivated in Italy and manylised and extensively particularly Russia and Poland, where of Europe, article of primary commercial where it forms an also cultivated in commercial importance. It is though not in such different parts of America, importation. It is stronger as to supersede its fibre than flax; but its user and coarser in the ment are pretty much the same. What mmagefor sced, it is a very the same. When grown pulled green, it is considersting crop; but when ground. In this country its as a cleaner of the decmed profitable; so that its cultivation is not encouragement it has received from thstanding the and the excellent quality of from Government but little grown, excent of English hemp, it is Suffolk and Lincolnshire. in some fow districts of Ireland is also inconsiderable quantity raised in clopadia of Agriculture.) Exccedingly good i)
hemp, for towels and huckaback is made from priced hempen cloths are an table cloths. Lowbandmen, servants, and lat werr for husthe better sorts for workinging manufacturers; men in the country, and farmers and tradesare preferred by some gentlemen ones, \(\frac{7}{8}\) wide, warmth. They possess thilemen for strength and and other linens-that their advantage over Irish wearing, while that of colour improves in the great consumption linen deteriorates. But facture of saileloth and cordap is in the manuposes it is peculiarly fitted byge, for which purfibre. English hemp, when by the strength of its said to be stronger than then properly prepared, is try, Rassia not excepted of every other couninnke the best cordareted, and wonld, therefore, used in that waydage. It is, however, but little being principally or made the making of saileloth; alrendy stated.
Hemp has been culti the the purpose of beine ont not, as in Europe, for cordage. In the Hindoo econominto cloth and a substitute for malt ; a economy it serves as lifuor, called banga, being prourite intoxicating This also is the use to whg produced from it? Egypt. (Milburn's Oriental Commen it applied in The price of hemp fluctuated verymer ; \&c.)
the war. In consequenee of difficulties in the way
of its importation, it stood at a very hish level of its importation, it stood at a very hiph level from 1808 to 184 . This was the principal cireumstance that origimally brought iron cables into use, and the extent to which they nro now introdued lins contributed materlally to diminish the cousumptlon and imporintion of hemp. (Tooke On IIigh and Low l'rices, 2nd elition, p, 345.)
We borrow the following particulars, with respect to the hemp trade of l'etersburg, from the work of Mr. Borrisow on the conmeree of that clty:-
Hemp forms a very lmportant article of export from st, Letersburg, and deserves particular notice. It is assorted, accordling to its quality, into clean hemp, or firsts ; out-shot hemp, or seconds; half'-clean hemp, or thirds; and hemp codilla.

Of the tirst 3 sorts there are ammally exported about \(2,000,000\) poois, the grentest part in Enslish and American bottoms. It is bromght to l'etersburg, from the interior beyond Moseow, hy water; and its quality depeuds iery much on the country in which it is produced. 'lhant brought from Karntshev is the best; nest to this, that proluced in Belev; hempfrom Gishatsk is cousidered uferior to the latter.
As soon ns the hemp is brought down in the spring, or in the course of the summer, it is selected and made up in lumdles; both uperations being performed by sworn selectors (brackers) and binders appointed by Goverument for this purpose; and it is a well-known fnet that this is done with grent impartiality and exactuess.

A bundle of clenn hemp weighs from 55 to 65 poods ; ditto out-shot, 48 to 5 : ditto ; ditto hanlfclean, 40 to 45 ditto. ( 1 pood \(=06\) lbs, avoirdupois.)
Dinding of hemp is paid for at the rate of 2 roubles 50 copecks for tean, 2 ronbles for out-shot, and 1 rouble 60 copecks for half-clean, per bundle; \(\frac{1}{2}\) is paid by the seller, and the otber \(\frac{1}{2}\) by the purchaser, and is charged accordingly by their agents.
Tho expense of selecting hem \(;\) is 50 copecks per bercovitz (or 10 poods), and is the same for every sort. To every bundle of assorted hemp is attached a ticket with the names of the selector, binder, and owner, and the date nud yenr. Every bundle has also affixed to it a piece of lead, stamped on one side with the name of the selector, and on the other with the cort of hemp, and the time when it was selected. The external marks of good hemp are, its being of an equal green colour and free from spills; but its good quality is proved by the strength of the fibre, which should be fine, thin, and long. The first sort should be quite clean and frec from spills; the out-shot is lees so ; and the half-clean coutains a still greater portion of spills, and is moreover of mixed qualitics and colours. lours.
A's a perfect knowledge of the qualities of hemp
Account of the Quantities and Values of Hemp
Values of Hemp, Jute, and Jute Y
Kingdom in the Four Years 1863-66.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow{2}{*}{Year} & \multicolumn{2}{|c|}{Hemp} & \multicolumn{2}{|c|}{Jute, Raw} & \multicolumn{2}{|c|}{Jute Yam} \\
\hline & Quanillet & Value & Quantliet & Value & Quantities & Palue \\
\hline 156.3 & \({ }_{1,0.09 .85 .62}^{\text {cmis }}\) &  & \({ }_{1,263}^{\text {reta. }}\) & \(\underset{1,542,996}{\boldsymbol{\sim}}\) & \(\xrightarrow{165}\) & \% \\
\hline \(1 \times 64\)
186.5 & - & 1,768, \({ }^{\text {a }}\) & & & & \\
\hline 186.5 & (1,065,205 & \(3,714.482\)
\(1,720,321\) & \(2,108,942\)
\(1,645,903\) & - \(1,771,994\) & l, & (4, 4,93 \\
\hline
\end{tabular}

From 50 to 75 per cent. of the imports of hemp i poorls, valued at \(4,387,588\) silver ronbies, were sant From 50 to 75 per cent. of the imports of hemp hemp ( \(2,737,578\) poorls, worth \(8,049,146\) silver roubles) exported from Russia in \(1863,1,402,530\)
nud fax can only be acruired by experieneo am attention, ngents umally empioy men constantly occuplat in this business, br which means they arosure of getting goods of the beat quality, anil linve the best chance of giving satisfaction to their principals; beenuse, although the hemp in splectes by sworn selectors, yet, owlug to the qualitity of business and the speed with which it must be "We cuted \&e., there aro often great ditherenus in the same sorts. The charges are in this way some what inereased; but this is tritling in conipaniw ot tho nulvantage falued. The parts separated or pleked out in clenning hemp is called hemprondila: it is generally made up in small bundlesof 1 poom which are ngain, when shipped, bound tugether in large bundes, ench consisting of about 30 small ones.
l'articular care must be taken to ship hemp and tlax in the ay weather: if it get wet, it heats, and is totally spoiled. For this reasen every vessel taking in hemp or tlax is furnisbel with mats to prevent its gettung lamp. Ilemp being light and bulky, is, when siowed, fored into the hold by menns of winches, which renders the operation of loading rather slow.
It may be taken ins a gencral rule that the prices of hempare lighest in the months of Jlar, June, July, nud the early part of August; the demmud for this article being then greatest, and the exportation to North America beimg principally effected at this senson. Agrim, the pries of hemp are lowest in the month of September the reason of which is, that the less opulent hemp-merchants return at the card of this moodh to their own country in order to make new purclases for the ensuing yenr, and, rather that be detnined, sell the remainder of tacir stock some roubles below the market price. This cases a gencral decline; although nu unusual demand for the article happening at tho sane time, ot political events or rumonrs, oceasionally prodnce a nontrary effect. Two large warehouses called ambares are built in J'ctersburg for the special purpose of housing hemp, where the greatist order is observed.
llemi, Italian.-Hemp from Italy is said to be the finest, strongest, and most durable in existence. 1t is of very white colour-so white that it has been mistnken for East India guna tibre, but when tanned it is the best materi? for fishing purposes. At Chatham the nete of various qualities of hemp gave a superiority of one-fourth to Italian henp over Russian, Thee is more difficulty in manufacturing this hem than in other kinds, but the proctuct is so 85 cellent as to compensate for the iacreased ce:, (Journal Soe. Arts, December 1860.)
In 1866, 11,621 cowts. of Uressed, and 14958 cwts. of rough hemp, and \(11,608 \mathrm{crts}\) of thw 16 cotilla of hemp, were imported into England irma Italy, and both kinds of goods fetched a higber price than hussian produce.
o Great Britain. The second source of sumply after Russin is Italy, and particularly Reatial Sixty poods of hemp and 40 poods of editis

In the ainize calcen or damace, whiolh, mod resele and anc mueh. The estil teo of charge. Th met as low as 12

\section*{ \\ calasn: it tises it \\ mex herice}
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c laly is sur most durable in :olour-s0 whit East India sum 10 best matenil! nm the nets of a superioritr 0 Rassian. Thet ring this hext :oduet is so es

HEMP
miac a last at l'etersburg; \(\mathbf{C 3}\) poods make an
carlish ton.
Kiga hemp fetches a hlpher price than that if Petertburg. It is diviled ?nto 3 sort : viz. rehis thine or clean, out-shot, and pass or half-clean The following ure the prices of hemp \&e., a. quoted in the Loadon markets :-


IIe subjoin a statement of the various charges wo the exportation of hemp from ietersburerges va its iaportation into this country:-

\section*{Chan Homp. -1 tun \\ Bhe iron, fin eop, per hercuvita \\ disiconlduy, liper cent.}

Twitm boose charge, 4 per cant
Konurgos we chinghel, and per cant.
Mrachus, We cop, jer b recovitz h, 3 rou. per bundlo i. ruezerge and ateendituce



Brokenge, 1 per cent.
Commission and extrn cliarges, 3 per cent.
Samperyse, \(\{\) per cent. \(\}\) pent. \(\}\) per cent.
Charges of Importation per Ton, taking the price
at 40l. per Ton.


In the almee calculation no allowanco is made damase, which, if care be taken to select a mach. The estimates aro, cloes not amount tes of chare etimates are nearly the lowest tees as low as The insurance, indeed, is somebus, however, is only in ther cent., and policy. Sason: it rises to 51 . per cent in eurliest past of

Odxto \(A_{\text {mpm..-1 }}\) bundle \(=63\) pools \(=1\) ton.
Pux herras
\(\rightarrow \underset{4}{\text { rnu. cop. }}\)

Hithare
res sme.
mp, Mhila. - The leaves of of pantain (Musa) yield a of several at importance vinus economical a uses, and fibre, importanec in tropical countries. Of these of of the most valuable is the \(M\) fusa these, haceovs the local name of Abaca, a shrub or dis of the Indian Archipundantly in the atot to about the 20 th plago, from the lade The inhabitante of the degreo of north suid to pay their tribute Philippine Islands with cerery nccessary of sad supply themat or Manilla hemp. In fife, from the sale of wout 020,000 cwis . In 1864, 516,745 piculs, at \(544,1000\). .), were exper at \(2,673,745 \mathrm{dols}\).
cultaratla heinp is procured from both these
witiated trees, the former being considered

\section*{IERRIINGS}
private property. The plant is cut doma what a year aud a half ohi, just before it when abont strength of the tibre being before it flowers, the fructilleation of the being said to be inferior after the petioles of the prant. The fibre is in fact hardest and of the leaves. The outer fibres are hardest and strongest, are called bandula by the
natives, and are natives, and are used for cordaco the by the iayer of tinn fibres is called lupis, whe The mer tor delicato fabrics, According, which are used dorities, Manilla rope is supering to many anendarance to that constructed from strengit and fruit of the Musa tertilis, unlike bemp. The kinds of plantain, has no economilike that of other tlbre is of great and increasing imeal value. The HEME'SEED ( increasing importance.
hanfsaat; Ital. caunapuccia; (Fr. chenenevi; Gier binum; Russ. konopljanoo semia), semen eannahemp. Thte best hemp-seed is ithe seed of brightest, aud will not lireak wis that which is used either as seetl, of for crushine rublued. It is fool for fowls. 1're or fously crushing for vil, or as with a duty of al pensly to \(\{8,32\) it wus loaded reduced to 1s. per ditto, and in, which was then repealed.
In 1866 wa imported 11,083 quarters of hempIt was valued Ifolland supplied 5,696 quarters. It was valued at \(40 s\), per quarter. Our exports
during the same yoar amounte quarters. ITERI
The herring (Clupea harengus of FiSIIERY. insh too well known to requira any description It is everywhere in high esteem, boy description. 'II when salted.
IIcrrinirs ar
latitudes yet known, as low highest northern consts of France. They are as the northern shoals on the ceast of Amere met with in vast In Chesapeake Bay is an an as low as Carolina. those fish, which is an nanual inundation of quantitics as to become a the shore in such them again in the seas of nuisance. We find probably they reach Japan. The preat ana, and rendezvons of the herriug is The great winter Circlo: there they conting is within the Arotic order to recruit themselye for many months, in rpawning; the seas within ther the fatigua of with insect food in a fur preater space swarming of our warmer latitudes. Thisgrec than those begins to put itself ines. This mighty army begin to appear off the motion in spring. They and May. These are only the the Isles in April grand shoal, which cemes in forcruaners of the appearance is marked byes in June; and their the numbers of birds by certain signs, such as which follows to birds, liko gannets and others main body approaches, its bread; but when the such as to alter the appearance of the very It is dirjded into distinet columns of very ocean. in length, and 3 or 4 in columns of 5 or 6 miles the water before them, with a find they drive Sometimes they siank, with a kind of rippling. minutes, and then rise arain space of 10 or 15 in fine weather retlect a to the surface; and colours, liko a field of the a variety of splendid
'The first check this most precious gems. southward is from this army meets in its march divide it into from the Shetland Isles, which east, the other to parts: one wing takes to the Britain, and fill every beytern shores of Great numbers: the formery bry and creek with their the great and ancient mared towards Yarmouth, then pass through the British of herrings; they that in a manner disnppear Channel, and after towards the west, Those which take the Hebrides, where the offering thems.lyes to is, proceed to the north of Itreland, why fishery
meet with asecond interruption, and are obliged to make a second division; the one takes to the western side, and is scarcely perceived, being soon lost in the immensity of the A'lantic; but the other, that pheses into the Irish sea, joices and teeds the inhabitauts of most of the eonsts that border on it. These brigndes, as we may call them, which are thus separated from thio greaser columas, are often capricious in their motions, and do not show an invariablo attachment to their hanats.
'This instinct of migration was given to the herrings that they might deposit their spawn in warmer seas, that wenld mature and vivify it more nssuredly than those of the frozen zonc. It is not from defect of food that they set themselves in motion; for they come to us rill of fat, and of their return are nimost universally observed to be lean nad miserable. What their food is nenr the Pole, we are not yet informed; but in our sens they feed much on the Oniseus marinus, a crustaceous insect, and seactimes on their own fry.
\({ }^{\text {' }}\) They are full of roe in the end of June, and continue in perfection till the beginning of winter, when they depasit their spawn. The young herrings begin to nppronch the shores in July and August, nad are then from \(\frac{1}{2}\) an inch to 2 inches long. Though we have no i.wrticular authority for it, yet, as very few young herrings are lombl in our seas during winter, it seems most certain that they must return to their parental haunts benenth the ice. Some of the old herrings continue on our coast the whole year.' (Pennant's British Zoology.)

The herring was unknown to the ancients, being rarely, if ever, found within the Mediterrancan. The Dutch are said oo have engaged in the fishery in 1164. The invention of pickling or salting herrings is ascribed to one Beukels, or Beukelson, of Biervliet, near Sluys, who died in 1397. The Emperor Charles V. visited his grave, and ordered a magnificent tomb to be erected to his memory. Since this early period the Dutch have uniformly maintained their ascendancy in tha herring fishery; but, owing to the Reformation and the relaxed observance of Lent in Catholic countries, the demand for herrings upon the Continent is now far less than in the fourteenth and fifteent's centuries.

Herrings, Dutch.-In 1863 the number of vessels enfaged in the fishery was 86 ; the exportation 35,089 tons, of which 21,000 were sent to Germany, 5,000 to Belgium, 3,891 to Hanover, Bremen \&c., 709 to Sweden and Norway, and 2,219 to the United States. But of this amount 16,699 tons were imported chielly from Great Britain. The fresh herring trade secured \(38,500,000\) fish, the average price being 18s. \(4 d\). per 1,000. (Annales du Commerce Lixtirieur.)
Herrings, Norwegian.-The Actiag ConsulGeneral at Christiania, in his Report for 1866 on Fisheries, stated that the Norwegian herring fishery, though engaging less capital, employs more hands than the \(e^{\wedge}\) fishery; the population actually engaged being estimated at 60,000 . He gives the average annual export of spring herrings at 300,000 , and of summer herrings at 200,000 barrels; Russia, Sweden, and Prussia being the chief consumers. In Norway the telegrapli is most usefully employed tr give notice to the fishermen of the movements of the shonls.
Importance of the Herring Fishery. Progress of it in Great Britain.-There is, perhaps, no branch of industry the importance of which has been so much over-rated as thnt of the herring fishery. For more than two centuries, company after com-
pany has bren formed for its 1 ,rosecution, fishing, villages lave been built, piers constructed, bomarls and repulations established, nud vas. sums expended in bounties; and yet the tishery never rot incto a leallthy state till it was left to its omn resources. The false estimntes that hare been loug current with respect to the e:atent aarl yande of the Dutch herring tishery contribated more: perhaps, than any thinge clse to the formation of exngricrated notions of the inapertance of tais business. Thant the Ilollanders prosecuted it to. ureater extent, and with far greater success, tha any other people, is, indeed, most true. Thers is, not, however, the sladow of a ground for belipving that ihey ever empioved, as has often beenstatel about 400,000 individuals in the fishery and the employments immediately subservient to it. We question whether they ever employed so many as 50,000 . At the time when the Iutch carnetion the fishery to the greatest extent, the entite population of the Seven United I'rovinces did not cortainly exceed \(2,400,000\); rad deducting a lalf for wonsen, and from \(a\) half to thathird of the remaining \(1,200,0\) no for boys and old men, it would follow, accordin's to the statement is question, that every nble-bodied wan in lomand must have been engaged in the herring fishey: It is astouishing how such ridiculously exar gerated aceounts ever obtained nny circulation, and still more so that they should have the referred to and quoted without. apparently, no doubt beirg ever entertnined of their authenticity down to our own times! They scem to have bee first set forth in a treatisc ascribed to Sir Wilte Raleigh; and, what is singular, ther were at mitted by De Witt into his excellent work, It Truc Iniercst of Holland. They hare bee implicitly adopted by Sir John Barror '? the article 'Fisheries' in the Encycloped.a BritonnicaIIad they been sifted ever so little, theitialed houd would have been obvious, nad me shoul have saved many hundreds of thousands pounds that have been thrown away in stema ang to rival that which never cuisted.
It would be impossible, within the kimits which this article must be confined, to gire ars dctailed account of the various attempts th have been made at different perinds to eccourn and bolster up the herring fishery. In lis? pursuanco of a recommendation in his sijaty speech at the opening of Parliament, and of report of a committee of the House of Comma 500,000 . Was subscribed for carrying on t fisherie: under a corporation called 'The soie of the Free British Fisherv.' The Prime Wales was chosen governor of the Socict; , whil was patronised by men of the first rank fortune in the state. But this Society did tr. t, entirely to its own efforts for succees. duties were remitted upon the salt ased in fisherics; and besides this reasonable eacoury ment, a high tonnage bounty was grantaid every buss fitted out for the deep sea fishery: consequence, many vessels were sent out, asild Smith has truly stated, not to catch berim but to catch the bounty; and to snch \(3 n\) est was this ab'se carried, that in 1759 , rhen tonnage bounty was 50 s., the almost incerdii sum of 1591.7 s . 6 d . was paid as boanty uponty barrel of merchantable herrings that was duecd. (Wealth of Nutions, p. 231.) Desy this encourugement, such were the waste mismanagement of the Company's affairs it was speedily destroyed. Smith says that 1794 hardly a veatige remained of its ha ever been in existence.
But notwithstandiing this ill success, :
mupapy
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has had n
timn, fishint cted, boardy 6. sumse \(6 \times\) shery: uever ft to its 0 mm \(t\) have lees nt and value ibutel nor: fornation of cane of this ecuted it to. ، sucees, law me. Thers is d furbediaring en been statel, hlery and the ient to it. We ed so many 4 utch carneion ent, the entire Provinees did nd dedacting 3 to twa-thirds of 3 and old men, it e statement in maning tishere! liculousty exar any citculation, hould have beong apparently, a3a heir authentidir ;cem to hare bet ibed to Sit Walte ar, they wefe ceellent woth, 7 They have bee hn Barror in the little, theis iale us, and re stoull of thousands awar avisted. thin the limits nfined, to gire \(x\) ous attempts to erinds to cnccury shery. In 14 on in bis sijath criament, and ol House of Commo Hotse oarrying on called 'The so \(\therefore\) The Prine f the Societ: rim the first rank his Society ts for succes. be salt ased in asonable eacour y was grantion: cep sea asar as re sca eatch herind to entch an est in \(1 i 59\), rhen almost incredi is boanty upponm ngs that mas ? , p. 231.) ere \(n\) 'se affirs Smith says that fined of its hav
ill success, ?
ompar was formed, ior nearly the same objects, in live, of which George IJI. wns patron. It bs had nearly the same fate. 'For a season or tro, bnses wete fitted out by the Society; but if arer berning caught had carricel a dueat io his mouth, the espense of its enpture would seareely are been repaid. The buhble curled by the swity fot Fishing in the Deep Sea becoming a fiod it buildivg society, for purehnsing gromad fintations where curers and fishermen find it carenimt to scttle, and selling or letting it in sayl lots to them, at such advaneo of prico as ridds something better than fishing profits. is ar excellent article on the Herring Fishery the llth Number of the Quarterly Journal of dyrinidure.)
In 1818 a fresh attempt was made for the imwrement and extension of the fishery. The Aet \({ }^{4}\) Gem. III. established a distinct set of comnisoners for the superintenderce of all matters cometed with the fishery, and anthorised them wappoint a suffieient number of tishery officers, to be stationed at the different \(p\), whose duty is to se that the various regulati- 3 with respect th ibe gutting, packing de. of the herrings, and the branding of the barrels, are duly carried into datat la 1809 a bounty \(0^{e} 3 l\). per toll was
granted on all vessels employed in the deep sea herring fishery, of nbove fo tons burden, but payable only ou 100 toas; and in 1820 a buanty of 20 s . per ton, which, under certain specitied cireumstances, might be increased to 50 s , was granted on all vessels of from 15 to 60 tons fitted out for the shore loerring fishery; and, exelusively of these bounties on the tonngre, \(n\) bounty of 2 s . per barrel was nllowed on all herrings eured gutted during the 6 yeans ending April 5, 1815 , and a bounty of \(2 s\). Sd. per barrel on their exportation, whether cured gutted or unguttecl. During the 11 years ending April \(\dot{5}, 18: 26\), the bouty on herrings cured gutted was ds. per harrel.
It is stated in the artiele nlready referred to, that the cost of a barrel of eured lierrings is abont \(16 s\)., one balf going to the fisherman for the green fish, the other half to the curer for barrel, salt, and labour. The bounty of 1 s . per barrel was, theretore, equal to half the value of the berrings ns sold by the fishermnn, nul to one-fourth of their value as sold by the eurer! In consequence of this loreed system, the fishery was rapidly increased. Tho following statement, extraeted from the Reports of the Commissioners of the Fishery Board, shows the progress the fishery has made since \(1809:-\)
dumant of the Total Quantity of Whitc Herrings Cured, Branded, and Exported, in so far as the ame have been brought under the cognisance of the Officers of the Fishery, during the undermentioned Years, ending till 1844 on April 5; since then till 1852, on January 5 ; and thergfter on December 31; distinguishing each Year, and the Herrings cured Gutted, fiom thou cured Ungutted.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Pes} & \multicolumn{3}{|c|}{Total Quantity of Herrings Cured} & \multirow[t]{2}{*}{Total Quantity of 114rrings Branded} & \multirow[t]{2}{*}{Total Quantity of blerrings Exported} \\
\hline & Gutted & Ungutted & Total & & \\
\hline & barrel's & barrels & barrels & larrels & barrels \\
\hline 117 & 65, 4 , 30 & \({ }^{26,3973}\) & 91,545 & 55,664. & 38,313 \\
\hline \(\mathrm{lim}_{152}\) & 105,5ict & 34,767
35,501 & 160,139
382,1917 & \(8,3,36\)
309,7008 & 141,3053 \\
\hline \%125 & 34, 31790 & 41,2643 & 317,665 & 2701841 & 202,016 \\
\hline 1 y 0 & 250,9334 & 48,623] & 321, 537 & 218,118 & 181,65d \\
\hline 1032 & 313,114 & 493547 & 362,6609 & 157,839, & 217,490 \\
\hline 153 & \% 533,684 & 66, 6,7797 & 416,961 451,531 & 168,4592 & 280,637 \\
\hline lis & \({ }_{\substack{3 \\ 452.677 \%}}\) & 68, 68.0741 & \({ }_{2771317}^{4513}\) & 178,000 85 & 272,0931 \\
\hline is & 20, & 98,250 & 397,614 & 1923 & 2,3,3932 \\
\hline 159 & \% 20,169 & 107,660, & \(397 \times 209\) & 114,192 & 189,265\% \\
\hline 1159 & 342,400 & 125,374 & 507,774 & 111,552 & 235,158. \\
\hline 159 & 782,249 & 173,330 & 555,554. & 153,6591 & 239,7301 \\
\hline 1941 & 4015,3792 & 158,565 & 543,945 & 1.52.231 & 252,542 \\
\hline 149 & 4340,0201 & 177,6\%1 & 667,245 & 190,922. & 281,736 \\
\hline 1313 & 412,291) & 181,129 & 4.3,419 & 162,713 & 291,8005 \\
\hline \% & 473,5569 & 191,46 & 665,3592 & 184,988 & 313,516 \\
\hline 135 & 411,231 & 121,375 & 532,616 & 142, \(4: 3.3\) & 443,194 \\
\hline \({ }_{14}\) & 314,9154 & \({ }_{189}^{99.5354}\) & 607,451
562,743 & 1156,278 & 235,714
250,181 \\
\hline 149 & 394, \(\times 27\) & 251251 & 614,368 & 153,914 & 249,991 \\
\hline \({ }_{15150}\) & 507,0212 & 263,673 & 770, 6988 & 213,2461 & 340,256t \\
\hline 1010 & 3:0,1,7 & 165,842 & 544, 009.2 & 179,921\% & 266,908 \\
\hline W3 & \(417,23,3\}\)
560,367 &  & 591,03, 0397 & 2013,1361 & 264,204 \\
\hline 185 & 4, 4,5759 & 177,984\% & 6.36,562 & 211,844 & 361,6961 \\
\hline 185 & 552,715 & 183,9884 & 766,703 & 280,381/ & 142,264 \\
\hline \% & 466,489, & 143,559 & 6199.988 & 223,281 & 347,611 \\
\hline 樃 & 465,292 & \(115321 \pm\) & 5836,724 & 218,992 & 357,166
350,204 \\
\hline \({ }_{159} 18\) & 381,0592 & 110,299 & 491, 8 87 & 158,676 & -472,979 \\
\hline 461 & \(496,14 \%\) & 184,7789 & 681, 933 & 231,9132 & 377,970 \\
\hline 169 & 319,173
\(656,19+8\) & 149,6535 & 668,828, & \(26,3,347\)
346712 & \({ }_{\text {390,313 }} \mathbf{4 9 4 , 9 1 0}\) \\
\hline 143
141 &  & 147, 993 & 654,416.4 & 276,480.4 & 407, 61 \\
\hline 1\%is & 478,781
470,59 & 161,868 & 613,6504 & 917,332 & 364,5075 \\
\hline 149 & 497, 414 , & 160,33\% & 621,763
658,1169 & 269,7,510 & 352,01
380,066 \\
\hline
\end{tabular}

On looking at this table, it is scen that the be still further overloaled. Great injury was ber made no progress under he new system consequently done to those fish curers who pos1 isb, when the bounty wais raised to \(4 s\). is is a sufficient pr of of the factitious and matural state of the business. Its extension, dee the circumstances in question, instend of lorting any proof of its being in a really mindoncogls condition, was distinetly the reverse. wiridals withoat capital, vut who obtained manficient to ensble them to aequire boats rus sait \&c. on the credit of the bounty, entered nost nambers into the trade. The market was commonly glatted with fish, and yet the optatic held ont by the bounty caused it to sessed capital; and even tho fishermen were injured by the system. 'Most of the boats employed in the fishery nevar touch the water but during 6 weeks, from the midille or cnd of July to the middle of September. They are owned and sailed, not by regular fishermen following that rocation only, but by tradesmen, small farmers, farm-servants, nnd other landsinen, who may hare sufficient skill to mnnage a boat at that season, but who do not follow the sea except for the 6 weeks of the herring fishery, when they go upon a kind of gambling speculation
of earning a twelvemonth's income by 6 weeks work.' (Quarterly Journal, No. 11, p. 653.)

It has been often said, in rindication of the bounty system, that by exteading the fishery it extended an important nursery for seamen; but the preceding statement shows that such has not been its effect. On the contrary, it has tended to depress the condition of the fenuine fisherman by bringing a host of interlopers into the tield; and it has also been prejudicial to the little farmers and tradesmen by withdrawing their attention from their peculiar busmess, that they may embark in what has hitherio been little less than a sort of lottery adventure.

These consequences and the increasing amount of the sum pnid for bounties at length induced the Goverument to adopt a different system. By an Act passed in 1825 , the bounty of 2 s .3 d , on exported herriugs was made to cease in 1826, and 1 s . was annually deducted from the bounty of 4 s . per barrel paid on gutted herrings, till it ceased in 1830. And the foregoing table shows conclusively that thoge who contended that the best way to promote the fishery wns to let it alone, were in the right; the quantity of herrings cured and the quantity exported having been both nearly doubled since the cessation of the bounties. The fishery is now for the first time placed on a secure foundation; the supply is proportioned to the real demand; while the genuine fishermen, and those curers who have capital of their own, are no longer injured by the competition of landsmen and others allured to the business by factitions encouragement and trading on capital furnished by Government.

The repeal of the salt laws, and of the duty on salt, which preceded the repeal of the bounty, was of signal service to the tishery. It is true that salt used in the fisheries wns exempted from the duty; but in order to prevent the revenue from being defrauded, so many regulations were enacted, aud the dificulties and penalties to which the fishermen were in consequence subjected were so very great, that some of them chose rather to pay the duty upon the salt they marle use of than to undertake compliance with the regulations.

It is to be regretted that when Government mepealed the bounty, it did not also nbolish the 'Fishery Board,' and the officers nud regulations it had appointed and enacted. So long ns the bounty existed, it was quite proper that those who claimed it should be subjected to such regulations as Government chose to enforce; but since it has been repealed, we see no reason why the fishery should not be made perfectly free, and cvery one allowed to prepare his herrings as he thinks best. It is said, indeed, that were there no inspection of the fish, frauds of all sorts would be practised; that the barrels would be ill made, and of a deficient size; that the fish would not be properly packed; that the bottom and middle of the barrels would be filled with bad ones, and a few good ones only placed at the top; that there would not be a sufficiency of pickle \&c. But it is obvious that the reasons alleged in vindication of the ufficial inspection kept up in the herring fishery might be alleged in vindicntion of a similar inspection in almost every other branch of industry. It is, in point of fact, atterly useless. It is an attempt, on the part of Government, to do that for their subjects which they can do better for themselves. Supposing the official inspection were put an end to, the merchants and others who buy herrings of the curers would themselves inspect the barrels; and while any attempt at fraud by the curers would thus be effectually obviated, they would be left at. berty
to prepare their herrings in any way that they plensed, without being compelled, ns at preseni, to follow only one system, or to prepnre fish in, the same way for the talles of the poor as fur those of the rich. So far, indced, is it from being true that the inspection system terds to put down trickery, that there is much reason to think that its effect is directly the reverse. The surveillance excreised by the officers is anythune but strict; and the official brand is otten affixent to harrels which, were it not for the undeserved confidence that is too frequently placed in it l , the unwary, would lic on the curer's hands. If is rather a security against the detection of fraud than against its existence.

The grand object of the herring fishery 'Boart, has been to enforee such a system of curing as would bring British herrings to a level with those of the Dutch. In this, however, they have completely failed; Dutch herrings genemily fetching double the price of British herrings in every market of Europe. Neither is this to be wondered at. The consumers of Dutch herrings are the inlıabitants of the Netherlands and of the German towns, whe use them rather as a luxur than as an article of food, and who do not grudge the price that is necessary to have them in the finest order. The consumers of British herings on the other hand, are the poor of lreland sand Scotland. Cheapness is the prime requisite in the estimation of such persons; and nothing can be more entirely abaurd than that a public Boand should endeavour to force the fish curers to adopt such a system in the preparation of herings as must infallibly raise thelr price beyond the means of those by whom they are beught. Why should not the taste of the consumera be consulted os nuch in this as in anything else? It would not be more ridiculous to attempt to hare all clesese made of the same richness and flavour as stikon than it is to attempt to bring up all herring to the standard of the Dutch.
We do, therefore, hope that an end may be pat to this system, and that our legislators and patriots will cease to torment themselres mit: sehemes for the improvement of the fisheie The very best thing they can do for them is to let them alone. It is not a husiness that require any sort of adventitious ensouragement. Ereny obstacle to the easy introduction of fish int London and other places should certaing! removed, lut rll direct inte-ference with the fishery is sure to be in the last degree pernicioss

The commissioners appointed in 1863 to engire into the deep-sea fisheries of Great Britain-Lem Hobart, and Messrs. Caird and Luxley-in th course of their exccedingly valuable and elabont Report, concur in the view given in the text al the inexpedieney of continuing the present brot ing system. Most English curers are decidelly ndverse to it; and though the foreign merchanatif divided in opinion, the more int.lligcat are agiry the practice. Aa the Report very coneluivery says, p. 78, 'The maintainers of the srssem that if the British Govemment will pot go inspecting and guaranteeing the herings, Königsberg and Stettin merchants will get m one else to do it for them. And why not? has the English Goverument to do with proteriar lierring merchants agsinst the chicanery of the correspondents in the interior, when it allors chants of every other description to takie own risks '?' About half the barrels cured In branded.

Numerous Acts have been passed with a rie to regulating the British white herring fisterg from 48 Gco. III. c. 110 oawards.

This fishery is regulated chiefly by the prorisinas of 23 \& 24 Vict. c. 92.
The close time of the Scotch fisheries is from Inoury 1 to August 31 between Arinamurchan the noth and the Mill of Galloway westads, atered by 28 \& 29 Vict. c. 22 to February ind Slay 3l, or between Ardnamurchan on the gant, and Cspe Wrath on the north, between Janurt and May 20 , under the penalties of forfeituro od fne not excceding 201. The commissioners are intristed with powers to manage and protect anderies and may prohibit trawl, heam, and drag nets. These orders were approved by the Treasury, wid roblished. Fishing boats, suils, buoys, and minimal floats must be marked and numbered; mes of ormers must be painted on boats in ameres 2 inches long. The Fishery Board, in weit Report of June 1, 1867, advocate the removal ditherohibitions against the uso of the seine, or bering trawl net,
Of the 40,801 barrels of herrings exported from the laited Kingdom in 1866, 176,731 went to Prusia, 58,250 to Hanover, 26,099 to Denmark, b,, 4 to Tuscany. The exportatio' of herrungs tothe llest ladies, which had of late years rapidly delined in consequence, no doubt, of the emanciputian of the slaves, has now wholly ceased.
The \(34+25\) Vict. \(c .72\) has the following sectina, riz: :-
Sech, Imposing pennlties for selling herrings or bering fry during the close time 51 , to 20l., with fofeiture of nets, boats, and other instruments.

Sec. 3. Imposing penalties on defacing marks or numbers on boats, sails, \&c., 21 , to \(10 l\).
Sec. 5. Permitting sprat fishing within a certain part of the Firth of Forth.
Sec, 6. Deelaring the import of \(23 \& 24\) Viet. e. 92 s. 13 to apply to all nets other than usual drift nets, having meshes of the legal size of one ineh from knot to knot.
Sec, 7. Empowering constables to exercise the functions created under this Act, when acting by anthority of the sheriff. Penalties on resistance, fine not exceeding \(50 l\)., or imprisonment not exceeding 60 days.
HIDES (Ger. halle ; Duteh, huiden; Fr. peaux ; Ital. cuoja; Span. pellejos, picles; Russ, knslii) signify generally the skins of beasts : but the term is more particularly applied to those of large cattle, such as bullocks, cows, horses \&c. Hides are raw or green-thnt is, in the state in which they are taken off the carcase, or dressed with salt, alum, and saltpetre, to prevent them from putrefying; or they aro cured or tanned. The hides of South America are in the highest repute, and inat quantities of them are annually imported. The customs duty formerly imposed on hides when imported was repenled by sir Robert Peel in 1845, and, as was to be expected, the imports have since been very largely inereased. The subjoined tablo ahows the sources whence hides are principally brought, and the supplics furnished by each:-

Accont of the Various Deseriptions of Hides Imported into the United Kingdom in 1866, specifiging the Cwnatries whence they were Imported, the Quantities brought from each, and their Values.


NB.-The importation of infected or disensed \(/\) considerably increased within the period referred Aks, sins, hoofs, horns \&c. may be prohibited to above.

Onder in Council.
Dry hides imported from the north-ea3t in 1866 we exported 671,077 hides, mostly mpe bear the es are the highest price, whilo the best wet imported 975,168 , valued at \(3,104,2461\).
moported from South America and staila in 1866 the average price of the weer per ent. was \(4 l .9 s\), of the latter \(2 l .3 s\). \({ }^{2}\) best dressed leather is that from France, caying ls. \(8 d\). , 6s. \(5 d\). , and \(1 s\). per 1b. under chof the leads of the foregoing table, Russia med hather was worth in the same year \(2 s\). id Ib,
For the eight years eading with 1865 the imts of hides and leather from the ' British West des ' hsve become un'mportant, while those A Australis and British India have greatly reased both in quantity and significance. There art fittle variation in the annual imports of raw firm year to year, though the quantity of er imported into the United Kingdom has

\section*{IIONEY}

IIONEY（Dutcin，honig，honing；Fr．micl ； Ger．honig；Ital．mele；Lat．mel；Russ．med； Span，miel）．A vegetuble juice collected by bees．
＇Its flavour varies aceording to the nature of the flowers from which it is collected．Thus，the loneys of Minorca，Narbonne，and England are known by their flavours；and the honey prepared in different parts even of the same country differs． It is separatel from the comb by dripping and by expression：the first method affords the purest sort ；the secont separat＇s a less pure honey；nud a still inferior kind is olttuined by heating the comb before it is pressed．When obtained from voung hives，which have not swarmed，it is denominated rirgin honcy．When recently sepa－ rated from the honey－comb，it is a viseid trans－ lueent liquid of a brownish－yellow colour，which gradually becomes partially crystalline and opaque． It has a peculiar heavy odonr and a very sweet taste．It is sometimes adulterated with flour， which is deteeted \(b_{j}^{*}\) mixing it with tepid water： the honey dissolves，while the flour remaius nearly unaltered．＇（＇Thomson＇s Dispensatory；British Pharmaeopaia，1807．）

In 1866 we imported \(13,521 \mathrm{cwt}\) ．of honey，and exported \(1,920 \mathrm{cw}\) t．

HONG－KONG．The British Colony of IIong－ Kong is situated on an island at the month of the Camton river［Canton ］，in lat． \(22^{\circ} 16^{\prime} 27^{\prime \prime} \mathrm{N}\) ．，and long． \(114^{\circ} 10^{\prime} 48^{\prime \prime}\) E．， 9 miles long by about 5 where broadest，the whole surface scarcely occupying 18 square niles．It was ceded by the Chinese to the liritish in 1841．This island was then distinguished from myriads of others on the same coast by its excellent harbour alone，and was looked upon chiefly as a naval and military station．Within a fuarter of a century，however，its growth has been so rapid that its population was on December 31，1866，according to the Registrar－General＇s Return， 115,000 ，exclusive of the military and saval forces．
The city of Victoria faces the anchorare，and the cession in 1860 by the Chinese of a part of the mainland on the opposite shore，called the Pen－ insula of Kowloong，places both sides of the harbour under British jurisdiction．
The prosperity of Hong－Kong is the result of its establishment as a free port at the gates of China，and the eonsequent concentration of mer－ chandise there，and the influx of a large popula－ tion，nine－tenths of which are natives．This vast multitude finds employment in connection with shipping，the European mercantile establishments， and petty trade．Neither agriculture nor manu－ factures are carried on in Hong－Kong，the surface of the island being almost exelusively moun－ tainous．Some fifteen years elapsed from the time of its cession before the colony beeame self－sup－ porting．For its alministration see Colonies，\＆c
Exclusive of taxes levied for police and muni－ cipal purposes，its resources are chiefly derived from crown lands and lieenses on various trades． The following is a synopsis of the revenue of IIong－Kong for 1865：－
Land revenue－
Lents，exclusive of land
Licenses
Taxs，pollce and ligliting rates
Postage
Flues and fees of courls
Fees of office
Sundry receipts
Total

The expenditure for the same period amounted to \(195,376 l\) ．The ordinary revenue of the colony for 1866 is stated by the Governor at 160,000 l （Deapatch of October 29，1867．）

The trade of Hong－Kong is exclusively one of

\section*{HONG－KONG}
transhipment，the merchandise of Eurepe being distributed from this convenient centre to the ports of China and Japan，for which also it form； tho head quarters for banking．In 1806 no few than 3，783 British and foreign vessels entered and cleared from the port，representing 2，0t5，04i tons：of these， 1,727 vessels were liritish，of 1，047，447 tons．No anconat of the native crafi frequenting the port was taken till 1866，when in the first．half of the year it was asertained that 26,856 native ressels，equal to \(6.18,825\) tons． arrived and cleared from IIong－Kong，Doubling these figures，an approximate estimate fo the whole year will be 53,712 native vessels of 1，297，650 tons．
In 1860 there belonged to the port of Vietoria it sailing vessels of 21,789 tons，besides 20 steaners of 6,208 tons．
The number of foreign vessels trading regulat from IIong－Kong is considerable，but the annus aggreante is swollen by the number of small ves sels under tho IIanseatie and other Coatinenta tlags，which make short coasting voyages．Thes monopolise in a great measure the carrying trad of pulse and bean cake from the northen to th southern ports of China，and the transport of cam． phor and other products of Formosa．The rapid development of stenm－traffic tends to intefies with the larger sailing vessels，though at cerrin scasons considerable employment is fouad for the latter in the transport of rice from Indian and Burmese ports to IIong－Kong．The eminting of Chinese to Califormia employs a respectable amount of tonnagr．＇Two great and competiu； steam－lines conncet IIong－Kong with Eurpe viz．，the Peninzular and Oricatal Company， 20 the Compagnie des Messareries Impiciales．Dill steamers connect IIong－Kong with Canton

No port charges of any description ate letio upon European vessels．A copy of the harken regulations is presented to the master of ere？ merehant vessel on her entering the port．
IIong－Kung possesses the undermeationed box accommodation，viz．：－
Hailt of graalle；
1 engta
inre．sth
Hre．sth
Depth of wate
luilt of grantle：
liengh
lirceadth
in
Hepeadth of water at surinu tides
neap tides

and others are in progress．Slips of the lage draught of water can enter the harbour mith p fect safety．

Banks．－Agencies of from 8 to 12 English Incian Banks are established here，and a brand the French Comptoir d＇Escompte，besides sha bank having a special Colonisl charter． all these，and especially the last，hare an esta sive circulation．Branches are establisbed bri majority at Shanghai an！other ports in chil and Japan．
Money．－Until of late，the foreign dollan the Chinese copper cash have been the sole reney of Hong－Kong ；but by Onder in Conan January 9，1863，the establishment of a mint authorised for the coinage of dollars and owf pieces representing \(\frac{1}{100}\) and \(\frac{1}{1000}\) dollar．
The coins of smaller denominatioas strox England have been current in Hong－Kong sin 1863，but the mint in the colony was not opee for the coinage of dollars till May \({ }^{1866 \text { ．}}\) present（1866）the Mexicaa dollar is almod sole circulating medium．
The method of conducting business at How

110 P （Gcr．I
hon；tal luppoli， mimel；Lat．han erennial rooted 1 rateties，It has Then supported 0 Lught of from tire of Britain Whea the hop 1 proving beer，or doced into（Ale raced iato this dig of Jienry 1 the statute Bo
 \({ }^{\text {mater}}\) in in ine extens 1603 Fit time extens Bedial 1049 ？ 3 ind pan improvemenent wish there is this s Mitros were the xidtr；But thant it manc city of Lonc mi，Sencrastle coon e，and hopes io ion ，tof hop，in Palliament beer sing mesurueen \(p\)
 bibese men who


Fon; is precisely similar to that described unler the head of Cas ron.
the head would nppear from the Statistical Abstraet that the valuo of the imports into the United Fing dom from llong-Kong has fallen from
teow thouing the Qunntities and Values of the Imports into the United Kingdome from HongKong in 1861-66.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Articles}} & \multicolumn{3}{|c|}{Quanulies} & \multicolumn{3}{|c|}{Computad leal Valae} \\
\hline & & 18 fl & 186.5 & 1866 & 1861 & 1865 & 1566 \\
\hline & & & 53,415 & 4, 015 & ¢11,074 & 2tame & \(\stackrel{\stackrel{1}{21,181}}{ }\) \\
\hline  &  & 755,1677 & 736,9999 & 97,975 & cin &  &  \\
\hline (eate & - cwts. & 309,112 & 110,195 & 19,564 \({ }^{497}\) & 2,570, 2140 & 6,834
\(5.2,0,035\) & 3,749
89,150 \\
\hline  & & & & & & & \\
\hline  & - Ibs. & 20,482 & 25,231
16,17 &  & 15,2111
16,1105 & 9,840
4,499 & 5,129
7,45 \\
\hline  & - cwts. & 1,014 & 341 & 95 & 6,249 & 1,97\% & 7!99 \\
\hline 2is mous of husks, and waste silk & - 16̈r & 10,533 & 6,6967 & 16,561 & 11,506 & 17,215
\(8,8,4\) & 53, 3 , 414 \\
\hline  & - c*tis & +,2ic & & 16 & , 6,511 & 8, \({ }^{\text {a }}\) & 19,566 \\
\hline Tis & : Blave & 1,316,651 & 923,577 & 1,033,679 & 94,537 & 79.091 & 85,5993 \\
\hline Ia Heberatives &  & - & 393 & 1,606 & 37.S11 &  & 6, 6,123 \\
\hline Total value & - . . & \(\cdots\) & \(\cdots\) & . & 2.541 .927 & 7:3,6:68 & 242,2;3 \\
\hline
\end{tabular}

Acount showing the Quantities and Values of the Exports from the United Kingdom to IIongKong in 1864-60.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Srdeles}} & \multicolumn{3}{|c|}{Quantities} & \multicolumn{3}{|c|}{Declared Iteal Value} \\
\hline & & 1861 & 1565 & 1866 & 1861 & 1865 & 1866 \\
\hline & & & & & 17,915 & 18.085 & - \\
\hline A.peel and haberila hery: &  & \(\because{ }_{\square 9}\) & \(\because 885\) & 1̈97 & 15,24 & 边 &  \\
\hline Breand dite and culm & barrels & 6 \(\begin{array}{r}5,979 \\ 66,2.36\end{array}\) & 8.8 .5 .3
14,738 & 11,977
\(3,3,156\) & 23,
3
3,573
3 & 31,590 & 35,316 \\
\hline Coils, conden, and culm & & 66, \(6,5.56\) & 14,338 & 3, 3,126 &  & 23,021
58,916 & 32,1060
30,971 \\
\hline  & Ons. & 1,793,56 & 8601,015 & 4,502, 5,50 & 219,901 & 81,652 & 405,514 \\
\hline (ettack, mixered by the yard. & vards & 22,615,663 & 37,243,350 & 46,4110,754 & 605,115 & 818,306 & 1,09.5,3.30 \\
\hline amene \(n\) value & v.lue & - & & , & 3722 & \(7 \times 13\) & 5,331 \\
\hline  & & \(\because\) & \(\because\) & \(\because\) & 3,911
13,129 & 33.28 & (5, M.3, \\
\hline Hirdrase wirution, unenumerated & cwnts. & -2,665 & \(\ddot{2}, 41\) & 1,516 & 12,2.59 & 12,48i & 111,650 \\
\hline Imon, Fowh and unwrought & tons & 4, 591 & b,021 & 5,4, 1 & 663,513 & 63,478 & 64,213 \\
\hline Lend sud blas in : & & 30-6, \({ }^{4,263}\) & -08, 9 & 1,552, \({ }^{2}\), 129 & 92,1661
45,231 & 24,421
36,569 & 53,118 \\
\hline Liven, mrard be the sard. & yards & 307,657 & 708,3i0 & 1,552,119 & 25,231 & 36,569 & 59,635 \\
\hline Hencut wh - & rwts. & 619 & 918 & 1,011 & 3.729 & 4,993 & 5,386 \\
\hline Tinptits. & value
yard, & 3,1"̈2,661 & 2,327,830 & 3,131,616 & 230,303 & 28, \(2 \times 3.38\) & 27.29 .96 \\
\hline Woucrs, mitera by the yard & value & & 2,.. & ,.. & 4,135 & 1,044 & 4,142 \\
\hline Alaberatices. - & & .. & .. & . & 131.197 & 103,509 & 141,302 \\
\hline Total value & & . & \(\because\) & . & 1,6115,567 & 1,518,698 & 2,387.017 \\
\hline
\end{tabular}

H11's (Ger. hopfen; Dutch, hoppe; Fr. houWon; lath. luppoli, Lruscandoli; Span. oblon; Russ. chmel; Lat. humulus lupulus). The hop is a perenial roted plant, of which there are several vaneties, It has an amual twining stem, which, when supported on poles or trees, will reach the beight of from 12 to 20 feet or more. It is a rasire of Britain, and most parts of Europe.
When the hop was first used for preserving and improving beer, or cultivated for that purpose, is rat hoown [Ale]; but its culture was introdaced into this country from Flanders in the riga of Henry VIII. Hops are first mentioned in the Statute Book in 1552, in an Act 5 \& 6 Edward YI. e.5; and it would appear from an Act wased in 1603 ( 1 Jas. I. c. 18) that hops were at tat time extensively cultivated in Eng!and. lialter Blithe, in his Inprover Improved, pubshed in 1649 ( 3 rd ed. 1653, p. 240), has a chapter pon improvement by plantations of hops, in bich there is this striking passage. He observes hat ' bofs were then grown to be a national com(oditr; but that it was not many years since the trous city of London petitioned the Parliament England against two nuisances; and these tre, Nercastle coals, in regard to their stench c., and hops, in regard they would spoyl the tre of drink, and endanger the people: and had e Pariament heen no wiser than they, we had een in a measure pined, and in a great measure arrel; which is just answerable to the principles laose men who cry down all devices, or indenoak improvement,'

After the hops have been picked and dried, the brightest and finest are put into pockets or hiv~ bagging, and the brown into coarse or heary bagging. The fornier are chiefly ased in the brewing of tine ales, and the latter by the porter brewers. A poeket of hops, if they be good in quality, well cured and tight trodden. will weigh about \(1 \frac{1}{2}\) cwt. ; and a bag of hops will, under the same conditions, weigh about \(2 \frac{1}{2}\) cwt. If the weight of either exceeds or falls much short of this medium, there is reason to suspect that the hops are of an inferior quality, or have been badly manufactured. The brighter the colour of hops, the greater is the estimation in which they are held. Farnham hops are reckoned best. The expense of forming hop plantations is very great, amounting in some instances to from \(70 l\). to \(100 l\). an acre; and the produce is very uncertain, the crop being frequently insufficient to defray the expenses of cultivation.
In 1861 the hop duty was reduced from \(2 d\). per 1b., and. 5 per cent., to \(1 \frac{1}{2} d\). In the year 1863 the duty was wholly repealed.

The following is a statement of the imports of forcign hops for the ten years ending with 1866:-
\begin{tabular}{|c|c|c|c|c|c|}
\hline Years & & cwts. & Years & & cwls. \\
\hline 1857 & - & - 18,711 & 1862 & - & - 133,991 \\
\hline 1858 & - & - 13,01001 & 1863 & - & - 147,281 \\
\hline 1859 & - & - \%,2\%0 & \(1 \times 64\) & - & - 98,656 \\
\hline 1864 & - & - 6, 918 & \(1{ }^{1465}\) & . & - 82,489 \\
\hline 1861 & - & 149,176 & 1866 & & 85,687 \\
\hline
\end{tabular}

The price varied considerably: for instance, they were sold at \(2 l .5 s\). per ewt. in \(18 \% 3\), and at 10l. 14s. 2d. in 1880. Generally they are worth
ubout 51 , 5s. The chicf supply of forelgn hops is from Belgium, Hamburg, and France.

A planter or grower knowingly putting hops of different qualities or values into tho same bag or package forfeits 20l.; and any person mixing with hops any drug, or other thing, to change or alter the colour or scent, slall forfeit \(5 l\). per cwt. on all the hops so changed or nitered. The malicious catting or destroying of hop plantations may bo pumished by trangportation beyond scas for life, or any term not less than 7 years, or by imprisonment and hard labour in a common gaol for nny term not excceding 7 years. (Loudon's E'ncy. of" Agriculture; Stevenson's Surrey; Burn's Justice ; \&c.)

The duty on hops of the growth of Grent Britain produced, in 1862, 215,806l. The land under hops in England umounted in 1867 to 64,273 neres, of which there were in Kent 40,762, in Sussex 9,989, in Hereford 5,335 , in I Iampsilire 2,992 , \&c.

In 1866 wo exported 22,864 cwt. British, and 13,224 cwt. of foreign hops, chiefly to tho United States and Australin.

HORN (Dutch, hoorn ; Fr. corne; Ger. horn; Lat. cornu). A substance too well known to require any description. Horns are of very cousiderabla importance in the arts, being applied to a great variety of uscful purposes. They are very extensively used in the manufacture of handles for knives, and in that of spoons, combs, lanterns, suuff-horns \&cc. When divided into thin plates, horns are tolerably transparent, and wero formerly used instead of glass in windows. Glue is sometimes made out of the refuse of horn. We annually import considerable quantities. In 1866 the imports of foreign horn amounted to 3,761 tons, and the exports to 1,050 tons.

HORSE (Ger. pferd; Dutch, paard; Dan, hest ; Swed. hast; Fr. cheval; Ital. cavallo; Span. caballo; Russ. loschad; Pol. kon; Lat. equus; (ir. inmos). A domestic quadruped of the highest utility, bcing by far the most valuable acquisition made by man among the lower animals.

There is a grent variety of horses in Britain ; the frequent introduction of foreign breels, and their judicious mixture, having greatly improved
An Account of the Number of IIorses in Great Britain Charged with Assessed Dutics in each the Years ended April 5, 1858 and 1866, and the Amount of Duty.
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[b]{4}{*}{Horses exceeding 13 hands, used for riding and drawing carriagea, chargeable with duty} & \multicolumn{2}{|r|}{1858} & \multicolumn{2}{|r|}{1866} \\
\hline & Nimber of liorsez & Amount of Duty & Number of llorses & Amoust of Duy \\
\hline & & \(\boldsymbol{L}\) e. d. & & ¢ b. 6 \\
\hline & 159,126 & 16\%,082 60 & 189.563 & 198,401 30 \\
\hline Ditto, used by farmers, clergy men, surgeons \&c. - - & 129,634 & 64,057 170 & & 74,115
116
10 \\
\hline Dito, eaceedling 13 hands, used in trade :
Ditto, not exceeding 13 hands - & 172,184
61,056 &  & 241,769
\(8.3,78\) & \begin{tabular}{rl}
116,499 & 4 \\
37750 \\
\hline 15 & 0
\end{tabular} \\
\hline Total . & 325,000 & 355,453 11 9 & 631,071 & 44.33180 \\
\hline
\end{tabular}

The duty on race horses was transferred from the assessed taxes to the excise by \(19 \& 20\) Vict. c. 82.

Fixemptions-Besides the above nccount of the horses charged with duty, an account is published of the numbers exempted from the duty. This account is not, however, to be relied on; inasmuch as very many of those whose horses are not linble to the cuties never think of making any returns. By not nttending to this circumstance, we inadvertently, in a former eiition of this work, under-rated the number of horses engaged in certain departments of industry.

Influence of Railroads on Morses.-The statements now made show the dependence that ought to have been placed on the estimates that were put forth by some of the promoters of railroads and steam carriages. These gentlemen
were pleased to tell us that by superseding employment of horses in public coaveyances, in the regular carrisge of goods, the fuli slopg of their projects would in the ead caable 1,000 horses to be dispensed with: and thst, 89 horse consumed as much food as 8 men, subsist for \(8,000,000\) human beings would he prorid To dwell upon the absurdity of such a staten would be worse than uscless; nor shouid wel thought of noticing it, but that it found its into a report of a committee of the Hous Commons. It is sufficient to observe that stage and mail coaches, and publie hasg vans \&c. that have been superseded by ald carriages aro not supposed to have disang more than from 130,000 to 140,000 hores; the notion that I horse consumes as muct 8 men, at least if we suppose the men th

苞 nutice. The dutie te respecti borses, and on wher be ercea those li tre emboates It also cout the exemptio prise all hors purposes; but dotr, to and shall have be meure medies Hajesty's serv whe the horse od surgeops se Brood mares, Ineeiting, sre ex The facility has led to the nith re-pect to bate connot b expres consent purchaser gains bees storta anle pos marbet. It bers las or m open place for the persons to take tol 10 in the foreso properts is the ho walked orent un maliech, or hept sta har ben mistered, ld. Sellers of hor be kown to the traitable person \(k\) as hoorladge of th tonk kept by the Whthoat these form maer of a borse sto legit sule \(z\) edeem it price tar time rithis tut iluns Jutii
 Ahere we importe dxive; ind espor \(41, x+1,2,45\) bior Keramian Cattle
 4 aula to obvist vaw of slaughtering wiencores, it was en (i) that all per
itughtiring borses, the cattle not killed thaia s license from monaing from the mi Whom the minister a The the management Nacose Persons sla Hibat license are guil uppetiad imprisoned, mentad are bound to affi
Cleare where their Wayditering Horses, pur

\section*{HORSE}
ses are the Acetost cavalry horses is ost, active of thase and our heary owerful, beautiful, reeds,
\(n\) Great Britain.-. Great Mritain fire althouch less so, ly supposel. Ar. \(x\), 2nd ed. p. 639) cerses in Eucland
 rposes int \(60 \mathrm{mpl}, \mathrm{f}\). is usual practice, 00,000 for Great c are inclined to le mark. In 1814 husbandry wes ous descriptions of which paill duty 3 account dil not h, and backner. le those used ; only ane bore duty, ns were al lar regiments of voluntcer caralry, ready referred io post-chaise, mail 3 at 100,\(000 ;\) and c, we are satisiax of such hores i shall be decided

1ay be fairly est sat Britain fro plored for ration They axay pr from jol to a \(13,060,0001\). 3 of the yout rged as 5000 : ridiag, and I

Dutics in euth \(y \cdot\) men, subsist ald be provid such a statem r shouid wel it found its it found is of the Houss bscrve that public wagg seded by sth bave discngt 100 horses; nes as mad the men

\section*{rasonably well fod, is too ridiculous to deserve the 20th ILUNDRED WEIGHT}

The duties at present (1868) imposed on lorses are respectively the excive of 31 17 on horses barees, and assessed taxes of \(113.17 s_{s}\) on race on other horsess The rules for 1 s and 10s. 6 d . letrien the horses liable to for discriminating and thase liable to the smaller due duty of 21s. are emboated in the Act 16 \& 17 y of \(10 s_{0}\), gal It wo eontains a lengthened staten. c. 90 . the exemptions from tho duty. The statenent of prese all horses kept bonâ fide for latter compurposes; but such horses may be riddesbandry atat, 10 and from any place to which cn, free of tall have been carried or brought beck ourden moure medical assistance. Cavalry baek, or to Histy's service are also Cxavalry horses in her win the horses kept br tixithpted from duty, ansurgens serving in militin regimentatyutants, brood mares, while kept for tho
Imeding, are exempted from all duty purpose of the facility with which horses duty.
thed to the enactment horses may be stolen masted to the enactment of several regulations bre cannot be conveyed away without of a apmes consent of the owner. llenco whout the purhaer gains no property in a heo a bonâ fide te stouen onless is propery in a horse that has ta mutheh It is directell in a fair or an merf air or market shall aptine kecper of ope place for the sale of horses, and a certain perses 10 take toll there, and kecp the one or more 10 in the forenoon till and keep the place from poveryithe horse stollen sunset. The owner's Ina legid fir unless it be openly rect by sale ruleded atept standing for one hour at least, led, han kearmustered, for which the buyer is to and 14. Silles of horses in fairy or buyer is to pay at hown to the toll-taiss or markets must nalame person known to the some other libkowielge of them, and enters the declares ank kept by the toll-taker for the samo in a Irthect these formalities the for the purpose. mone da bonse stolen malties the sale is void. The mak suly fredem it on may, notwithstanding its fire urs time willin oa payment or tender of the beth ibun's Justice of the Peace time of the

, Chitty's ell., fasisk, ; mind exported 1,646 horses, of the value In lowit in, ind exported 4,069 , valued at \(167,384 \mathrm{l}\) Meraplitan Cattle Morses were brought into the

, 13,724; and
valuof slaumbering howe facility afforded by suden boses it itering houses for the disposal of ii) that sll persoed in 1786 ( 26 Gco. III. ushlering borsee, peldingos keeping places for Wa atatle not killed tor butcherep, hogs, or whica alicense from the butcher's meat shall maxcing from the minister quarter sessions, first tho the minister and two suluturchwardens, Whas acerificate of their fitmess to to \(:\) al housethe management and carrying be entrusted thuet Picenseas alaugbtering horses of such What and impresisonilty of felony, and may be marb bound to ened, or transported. Persons Phere rhere their busir tho door or gate of leyble charmeters, the werss is carried on, aylcring Horteses, pursumut to an Act passed in tor

The prienr of his Majesty King Gear 705 nuthorised tocrs entitled to King George 1II.' apectored to choose anmually spectors, whose duty it in thy, or oftener, inand description dc. of every to tako an account may be brought to of every living horse \&c. that bo killed, and of every deaughtering houses to brought to be tlayed. Persous de that may be are to be asked an account Pors bringing cattle if it be not deemed satisfactory thenselves, and carried before a justice. This Aatisfactory they may he killing curriers, follunngers, Ant does not exkilling aged or distempered tanners, or persons pose of using or curing cattlo for the pur respective businesses; persons who shall knowingly, or any other any sound or uscful knowingly or wilfully kill such offence forfeit not horso de., shall for every less than 10l. This not moro than 20l, and not 8 Vict 87. This Act has been amiende, nad not 8 Vict. c. 87, 12 \& 13 Vict. c. 92 s. 7 , and 25 \& 78
Vict. c. 102. The.
merly a capital crime, punishd other cattle wns forstealing a horse, or wilfully killing death ; but now to steal the carcase or aly killing him with intew the tliscretion of to or skin, is to bo punishe cat any term not exceeding ly by penal servitude for 3 yes's, or by imprisong 14 years, nor less than ceediug 2 ycars \(24 \& 25\) Vor any term not ex French Trade in \({ }^{2}\) \& 25 Vict. c. 96 ss. 10 \& ex are not, spenking genersally, The horses of France flect, or powerful as those of nearly so handsome, however, the French have England. Latterly, efforts to improve the brecd been making great in this view, been making lar horses, and have, England and other making large importations from the 5 years endiner countries. At an avis irom imported ending with 1827, the exces erage of amounted into France above those of horses Sciences Gcograut 13,000 ab-year. (Bulletinorted Sciences Gćographiques, tom. xix. (Bulletin des mports from England have, in some p. 5.) The nmounted to nearly 2,000 horses. In late years, By 1,182.
hire are nltered thus:- licenses to let horses for

ut beyond these number
HORSE DEALERS. Perates are not altered it is to buy and sell horses. Persons whose business Every person carryin.
horse dealer is required tho on tho businss of a he shall enter an account to keep a book, in which kept by him for asle an the number of horses duties to which the and for usc, specifying the This book is to be open at all respectively liable. the inspection of then at all reasonable times to the ssme is to be officers, and a true copy of assessor or assessors of the quarterly to the party resides. Penalty for norish in which the (43 Geo. III. c. 161.) Horse non-compliance 501 . if they carry on their business inlers are assessed, 27L. 10s.; and if elsewhere 131 , 15 the metropolis, In the year ended Aere 13l. 15s.
the metropolis 59 horsc-dealers in there were in in Scotland 102, making a total, of England 968 , IUNDRED WEIGHT a tal of 1,129 . avoirdupois, generally written ewt. wht of 112 lbs

ICE. The sale of tee and snow preserved in the caverns of Vesuvius and on the more elnvated parts of Atma has long been a considerable branch of trade in Nnples, Cntanin, and the aljoining towns; but it was reserved for the Americaus to earry the trade in ice to an extent which could not previously have been anticipnted. The extreme heat of the summer in the Central nad Southern States ocensions a natural demand for ice, which the extreme cold of the winter in the New Lingland Stntes gives the means of supplying. The fresh water lakes noljuining Boston and other large towns being deeply frozen in winter, Inrge icehouses are filled with the ice taken trom them, which is retailed in summer at a low priee.
This practice hal not, however, been long established when it occurred to some ingenious speculators to attempt to realise a profit by shipping ice to the sotthern parts of the Union and the West Indies; nnd the speculation having steceeded, the trade was subsequently extended to the Spanish Main and South Anserica, and more recently to Europe, India, and China! The business has, in fact, become of the firstimportance; numerous companies and a very large nmount of tonnage being now engaged in the ice trale from Boston. And owing to the greater skill and economy with which the business is at present conducted, the ice which used to cost 6 cents per lb. in New Orleans and the Havannali, may now be had for 1 cent; and there has been a like fall in its price in India and other more distant places. An immense warehouse has been constructed at Calcutta for the reepption of the ica brought by the ships, whence it is supplied in the quantities required for the public accommodation. This singular fabric has triple walls, five distinct roofs, eacloses about threc-fourths of an acre, and is fitted to bold upwards of 30,000 tons of ice! Our readers do not require to be told that in some years London has been a considerable market for American ice. This, however, is only n casual occurrence, depending principally on the circumstance of an unusually hot summer having followed an unusually mild winter, which, on the one hand, oecasions a large demand for ice, while, on the other, it lessens or annihilates the home supply. And the same may be said gencrally in regard to the demand of other European countries. The ice shipped from America is principally obtained from Fresh Pond, Spy Pond, and Wenham Lake, in an elevated position, about 18 miles from Boston, to which it is conveyed by railway; but it is also obtained from various other ponds and lakes. It is kept stored up in large warehouses adjoining the lakes till it is required for abipment. The holds of the ships used for the conveyance of ico have a space between the planking of the ship and the iee boxed in and uanally filled with sawdust or some other substance regarded as a non-conductor of heat. Formerly the ice was packed with strnw and hay, in boxes of thin lumber made air-tight; but this mote of packing is now comparatively little used. The ice is beautifully transparent and free from nir-cells, and is usually cut into blocks nbout a foot thick. In 1854 no fewer than \(156,5.40\) tons were shipped from Boston, and about 20,000 tons
from New York; but in 186t; the total expmets from Iloston hal fallen to 121,751 tons, whitw 1865 they reached 131,275 tons. The hume cuno sumption of New York has been estimated nitum 260,000 to 270,000 tons! [Bostov.]
Owing to the milliness of our winters we beve sometlmes little or no front, and when it is mase severe, ice in this comntry rarely exceeds? of inches in thickness, and is usually, also, a mond deal stained with inupurities, In 18e6, 63,071 of ice were imported into the United Kingdom. which \(62,37.1\) eame from Norwny.
MPORTATION and EAPORTATION. T brinping of commoditics from and sending them to other countries. A very large portion of the revenue of Great Britnin being derived from toms duties, or from dutics on commoditios im ported from abroad, and drawbocks being give on a few articles exported (at present, 1868, a retined sugar and tobacco only), the business importation and exportation is subjected to rations regulations which must be carcfully ebserved bo those who wonk avoid incurring penaltics, an subjecting their property to confiscation The regulations referred to are embodied chiefly in the Customs Consolidation Act, \(16 \& 17\) Vict. c. 107 which came into operition on August \(20,180^{\circ}\) We subjoin an abstract of such portions of thisan subsequent atatutes ( \(18 \& 19\) Vict, c. \(96,23 \& 2\) Vict. c. 22, \(25 \& 26\) Vict. c. \(63,30 \& 31\) Vict. c. \(88^{\circ}\) as relate to importation, exportation \&c.

Customs Consolidation Act of 1833 , tia 16 \& 17 Vict. 0.107.
The first 8 clauses of the Act relate to the or pointment of Officers of Customs, and need not here referred to.
Clauses 9 to 14 relate to the appointmen Ports, Quays, Warehouses, Sufferance Whart Landing andl Boarding Stations.
Clauses 15 to 17 relate to the Licensing of Aycu for the transacting of business relating to Entry and Clearance of Ships, Gonds, and BC gage, and of Lightermen for the Carriage of Giow to and from importing and exporting ships.
Clauses 18 to 28 relste to the Collection, nagement, and Custody of Duties of Customs, a the Payment of Draubacks and Allowances.

As to Disputes and Controyeries tween the Importer of Goods ayd Officeas of Customs as to the Duty did on sucir Goods.
In case of Dispute, Importer to deposit the \(D\) demanded.-If any dispute shall anise as to proper rate of duty payable in respect of anyg imported into the United Kingdon, and wian sible for home consumption, ths importer of s signce, or his agent, shall deposit in the band the collector of the customs st the port of imp tation the amount of duty demanded by 5 collector; and such deposit shall be deemel taken to be the proper daty payable in respet such goods unless an action or suit shall brought or commenced by the importer of st goods within 3 months from the time of mith suclı deposit, in one of her Msjesty's carts of at Westminster, Dublin, or Edinburgh, ara
diresaid, th
resaid, th
byim cart
thitel Kin?
brousht with
that purpose. ayplied to t matale ns if anl receivet solus: and in od it shall cone of law depaited was tole upons suc parsble thereo rum so deposits or the while \(s\) require, whali fo peter, with inte cent. per annum rum so vaid or posited; and suc sach importer in qeect of the impo parstle thereon, expenses inciden vext heniaafter vided alrays that in those farour n eatitled to his cosi patry against the wit-such costs to ditce court in whi in the asual way giren exainst the the couts so taxed abla indrecorered manaer as damages tion or muit in such but if such rerilic whector as defend lared as aforesaid nuress of Customs the daties of custom
do complaint Merchaxis and of Ccsrosig, t] THEREOF, dxD repg belativa Cosblict of 0 crayed therein
bipute and \(E_{n}\) rnot London any Stenc or orines of My hete, shippers, teir yenes, and a ramene to the seiz Taxd, orto any ap Frublines relatang vill tor the ceiting mine giched disponte kp hase. (Sec.31.) Pationd in the Act
Puret on to temit or xatigation of the
wht collector, for the purposo of ancertalning thether any sad what amount of duty is due and moble upoa such goods; and, ujon paynent of ryme osit, and passing a proper entry for such mad by the importer, consignee, or agent, such whecter shall thereupon cruse the sald goods to hedelivered in virtne of guch entry. (Sce. 29.) Deposits to be carried to Consolidated Fiund.thee such deposit shall have been made as Where such despe ghall be paid by the said colat esain, the lieceiver-General of Customs, to be ator to the kecel the Consolidnted Fund of the fitel Kingdom; and in case no action shall be meth with the time hereinbefore llmited fir bosp purpose, such deposit shall be retained and waplid to the use of her Majesty, in tho same mineer as if the zame had been originally paiel mandreeivel as the duty due mod payable on such ads and in case such action shall be so brought, and it shall thereupon be determined by due crane of lav that the duty so demanded and devolited was not the proper duty due and paywile upon sueh goods, but that a less duty was mable thereon, then the difference between the an on deposited and the duty so found to be due a the while sum so deposited, as the caso may muire, shall forthwith be returned to such impeter, with interest thercon after the rate of 5 per cotber annum for the period during which the umion naid or returned shall have been so dowith: and such payment shall be accepted by seh mpater in satisfaction of all claims in repertutheimportation of such goods and the duty paratle thercon, and of all or any damages and ryensesincident thercto, except costs of suit, as pest beemafter provided; that is to say, prorided dirays that the party to such action or suit in mbose favour a verdict ahall be given shall be atilide to his costs of suit as between party and putr quanst the other party to such action or mit-such costs to be taxel by the proper officer dithe court in which such action shall be brought in the asual wsy; and if such verdict shall be giren quinst the plaintiff in such action or sult, theostiso taxed as aforecnid shall be recoverthe anderovered against the plaintiff in the same mancers damages and costs in an ordinary action or nuit in such court are recoverable by law but if such rerdict shall be given againat the adietere as defendant in such suit, the costs so treed as sforesaid shall be psid by the Commisineces of Customs out of any moneys arising from the doties of eustoms, (Sec. 30.)
di to Complaints and Dibputes between Merchasts and otilers and the Officers of Cestons, the punlic Investigation thereof, and Enquinies touching Matters relatino to the Customs, and the Cosolct of Officers on otilens conczased tueaens.
Dipptes and Enquiries in London.-If in the or of London any dispute arise between any sters or owners of ships, merchants, importers, ynilgnees, shippers, or exporters of goods, or beir agents, snd any officer of customs, with derence to the seizure or detention of any ship I grods, or to any apparently accidental omission, madertence, or non-compliance with the lavs or rguations relating to the customs, it shall be wrial for the Commissioners to dispose of or deraine snch dispute in such manner as they may kenjust, (Sec, 31.) N.B,-The licensed agents Poreer in the Act have ceased to exist.
Pover to remit or mitigate Penulties.-II upon chideration of the facts and circumstances out ruich snch dispute shall have arisen, the Com-
missloners of Customs shall be of opinlon that noy penalty or forfeiture has been licurred by any anch master, owner, merchant, importer, contsignee, shipper, exporter, or agent, the snid Commissloners may, in case they shall be of opinion that the penalty onght to be remitted, remit and forego the same accordingly, or in case they shand be of opinion that a mitigated penalty should be imposed and enforced, mitigate any such penaity or forfelture to such amount as they maty deem a sufficient satisfaction for the breach of law or regulation complained of. (Sec. 32.)
Aprea! to open Court.- In case any such master, owner, merehant, importer, shipler, +'x porter, or agent shall feel himself aggrieved by the determination of the Commissioners of Customs in any of the cases aforesnid, or have any ground of complaint agninst any officer of Cus toms in respect of anything done or omitted to be done by such ollicer in or ubout the execution of his cluty, the party so fr ling himself nurrieved shall, upon an applicatio. in writing to the Commissioners of Customs, which application shall state the substance of his complaint, or the reasons of his dissatisfaction with such determination, be entitled to have the facts and circumstances of such complaint or determination enquired into by one of the onid Commissioners, in the manner following. (Sec. 33.)

Commissioner to conduct public Finquiry,-Upon reccipt of such application as aforesaid the Commissioners of Customs shall depute one of such Commissioners to enquire into the subject matter of such application, for which purpose a suitable apartment shall be provided, to which the partics complaining and the partics complained againat, and their agents and witnesses, and all other persons interested or desirous of attending, shall have free access; and the Commissioner so deputed shall receive the statement of the complainant or his ngent or attorney, and hear any reasons which he or they may advance in support of his complaint, and the said Commissioner shall take or cause to be taken any evidence on onth which the said complainant may offer and adduce in aupport of his complaint, and write down or cause to be written down and report the aubstance of guch evidence in a narrative form, and his opinion thereon and on the arguments, if any, adduced on the hearing of the case, for the information of the said Commissioners; and in like manner the Commissioner so deputed as aforesaid shall take and write down or canse to be taken down and written, and report for the information of the said Commiasioners of Customs, any evidence which may be offered in support of anch determination of the Commissioners, or in case of a complaint agninst an officer such exculpatory evidence as the otlicer complained against may offer or adduce; and the course of proceeding with respect to the taking of such evidence and the conduct of such enquiry shall be in as close conformity as the nature of auch enquiry will admit with the practices adopted before justices on enquiries had before such justices. (Sec. 34.)

Commissioners to prosecute or decide.-The Commiasioners of Customs, upon the evidence so reported to them, shall either determine to prosecute, if they deem it a proper case for prosecution, or decide the case upon such evidence, and make their order thercon accordingly, which order shall be conmunicated by a Commissioner in open court either on the same day or a future day to be appointed at the hearing for that purpose; and every order of the Commissioners of Customs, made upon consideration of the facts, circumstances, and evidence ao reported by the Commis-
fioner by whom such enquiry slanll have been holden, shall, in case any peialty or miltigated penalty or forfeiture shall bo ndjudged by such order to be paid or enforcel, be of equal furce, validity, nud elfect as any conviction for penalties which my justice or juistices is or are now empowered by law to make; and upon the production of any such order of uny two or more of the Commissioners of Customs to any justice or justices of the peace, it shall be lawful for such justice or justices to enforco such order, in the same manner and by tho like autloority as suclt justice or justices is or was now empowerel to enloree orters under the Act 11 \& 12 Viet. c. 13 , umless the purty ngainst whom such order have heen male shall, within 1 week after tho same shall have been conamunicated as aforesnid, give notlce in writing to the Cummissioners of Customs or to their solicitor that he refuses to abide by such orler, in which ense the Commissioners of Customs may direct such proceedings thereon as they may see fit, or the party against whom such orler hat been mado shall have the same remely by action in any court having jurisdiction, including the 'Court of lequests of the City of Lonlon and the Liberties thereof,' as if no such heariuy or order had been made : provided always that if any sucit master, owner, importes, slipper, exporter, or ager \(t\) ( not wishing to resort to such appeal as het einbefure provided) be desirons of stating his ease personally to one of the Comuissioners of Customs, he slanll be at liberty to do so on attending at the Custom-house during the sitting of the board on ap, ilying for that purpose. (See. 35.)
Power to keep Order.- The Commissioners of Customs deputell to enquire as aforesaid slall have and excroise, while engaged in the conduct of such euquiry, and to as full an extent as the same is now exercised by any justice or justices in Sessions, all necessary powers and authority to enforce order and propriety of eonduct. (Sec. 36.)
Disputes and Einquiries at Outporta.- 1f at any of the outports any dispute shall nrise bet ween any master or owners of ships, merchants, importers, consignees, shippers, or exporters of fools, or their agent or agents, and any officer of Customs, with reference to the elass of eases hereinbefore enumerated as arising or oceurring in the port of London, the like enquiry slall be holden, the like course of proceeding adopted, the like mode of taking evidence pursued, tho like accommodation for the parties concerned provided, the like authorities for maintaining order given, and, ay nearly as may be, the like matters in eviry respect done, as herein provided for enquiry into nud eonduct of similar proceedings in the port of London, save and except that the duty prescribed to le performed by one of the Commissioners of Customs deputed for that purpose slall be performed at such outports by the collector or comptroller or other officer of Customs deputed for that purpose. (Sec. 37.)
Einquiries and Examinations may be conducted by Commissioners, Surveyors-General \&c.-In any of the foregoing cases, or whenever it shall be necessary for the Commissioners of Customs or their officers to institute any enquiry to essertain the truth or faets with respeet to any complaint or matter relating to any business under their management or control or incident thereto, or the conduct of officers or persons employed therein, such enquiries shall and may be made or conducted by the Commissioners for the time being or any one or more of them, or by any SurveyorGeneral, Inspector-General, Collector, or Comptroller, or other officer of the Customs, or by such nerson or persons as the Commissioners of Customs
shall direct numl nppoint for that purpose: ant when upun any such enyuiry pront on ontis shall be required by the persan so condurting the same, such person shall and may administer such vath to any person attending beforo him as aloressil? and if any person so examined na a was aloesp lafitite such person shall bo convicted of giving talse eridence on his examination on oath trefore the person conducting, such enfuiry; every such |rron so convictect shanll bo deemed puilty of periury
and slaall be liable to the and sliall be liable to tho prins and perathics thereof. (Ser. 3x.)
Pourer to summon W'itnesses,-Upon any such euquiry or examination it shall be lawfal for the Commissioners of Customs, or any ono or nurre of them, or for any such Surveyor-Ceneral, haverectorGeneral, Collectur, Comptroller, or utlier nilicer if the Customs, or person so nuthorisecl or lifireterl by the Commissiouers of Customs to conidnets sach ciiquiry or examination, to summon may prerion requircil as a witness to appear before the said Conmissioners, Inspector-General, Cullhetor, Comp troller, Surveyor-Genetal, or other othicer or pessia authorised to conduet such euquiry or examina tiun, as the cnse may be, to attenal on the leasing thereuf at the timo and place to be ppecified in suel suminons, to give evidence upon oath of the truth of any facts appertaining to suel enquiry, any other matter tonchiug or relatimg thereto nud every person so summanel, havint hiv pas sonable expenses for such attenlance, if tequite tenderal to him at the time of service of suld summons, who ehall neglect or refuse to spper necording to the exigency thereof. of who, lasimy so appeared, slall refuse to take the oath, or silh refusa to give evidence, or to answer aconding to the best of his knowlelge and belif ans question when thereunto requirell, shall tereer such default or olfence forieit the sum of ? (Sec. 39.)
Regulations for Conduct of Enquiris.-T Commissioners of Customs shall fron time totim make such rules and oricers tior the pruper coaitr of such enquirics ns aforesaid ns nave be expedier and as in their judgment shall bie necesestry proper; and such rules and orders shallibe olven on the conduct of such enquiries nntil annulled varied by the authority of the sail Commisisia ( Sec .40. )
As to the Impontation, on Promerma lentry, Examisation, Lavdng, axd lire housing of Goods.
Importation and Prohibition.--lt shall be lamt to import into the United Kingdom say ato \(^{\circ}\) which are not, by this or any lav in fore oft time of importation thereof, probibited to be imported, and to warehouse under the laris foree for the warelhousing of goods, exeept hereinafter provided, in warchouscs daly appo for the warehousing of goods without pagment duty on the first entry thercof, any goods to durties or customs the importation and \(m\) housing whereof are not prohibited by any lar foree at the time of such importation: pror always that the duties on the iollowing \({ }^{\text {pu}}\) and in such other goods as the Commissineer the 'I reasury may from time to time directs. be paill on the first importation thereof, and goods shall not be warehoused either for ho consumption or exportation; viz, corn, ga meal, and flour. (Sec. 41.) N.B.-The daty wood goods has been since repealed.
Time of Importation of Goods and Time Arrival of Ships defined.--If, upon we firt leg ing or repealing of any duts, or the first permity or prohibiting of any importation, or at any ol

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ben or ought mportation to be importe therbe import wre been then nither as the fis the name shall plare (Sec. Pmbibitions nomerated or whilitions ani phititited to 1 waghs into the avmerated of d whilited to be Whifet to ouch r Comisjoners o tar repotel as thall le impritted cept ia trangit, in a and restricions, a anr grodesumer as croods subject portation'shall be Crited hingiom ratritions contai teref, then ond \(i\) Aulbe forfetech, an rise cippoed of as If dixat (Sce,

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\section*{mpohtition}
sima of for any of the purposes of this or any Act mating to the customs, it sliall becume necessary thetermine the precise time at which an injortwit, such time shall be deemed to have had Wet, such ims shall be deemed to be the sime at which the ship importing such goods had netaly come within tho limits of the jort at which math slip shall in due course be reported and such mous be discharged; and if any question arise oprante or allowance any ship in respect of any tharge or allowance upon such ship, exeluslve of aran the time of such arrival shall be decmed to le the time at which the report of shech ship lins what ought to have been made. (Siec. 42.) mppriation Direct. -No goods slanll be deemed to be imperapoded from any particular place unless derbe ioported direct frum such place, and shall urcteen there laden on board the importing shalp, eitber as the first shipment of surh goods, or after the (Sec, 43.) been actually landed at such here (Sec. 43.)
Pmibitions and Restrictions. - If nny goods
namented or described in the axaibitions and restriction the following table of whilited to be impurted's shall be imported mundt into the United Kingdom of imported or mamented or described in such, or if any goods maibitited to be imported excent in trans 'goods whject to nuch regulations and restrictions as the Comissiunits of the Treasury may direct, and tur frotel ss goods in transit accordingly saluermpred into the United Kinglomgly; cepliatansit, in accordance with such regulation and retnctions, and so reported as aforesaicl, or if any toud enumerated or described in such table portation'shall be to certain restrictions on intwited hingiom controry to brought into the matrition giom contrary to the prohibitions or merex, then and in in such table in respect taill be loffeitel, and shnil be destro such goods rese dispoed of as tho Commissionged or otherary dirch (Sise. 44.) Commissioners of Castoms

Table or Phoumitions and Restrictions Inwalids.
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\section*{ND EXPORTATION}
represent any legal Britisl \(\boldsymbol{\text { öllo }}\) or purporting by any mark or appearance stamp, the manufacture of tho Uuited Kiugeloune to be of Goods prohibited to
the Restrictions on Importation, excent sulijert to
Infected cattle, sheep or herein contuincil.
lider, skins, horns, hoof, or other animals, nud rattle or other animale, win any other part of by order in council, prohibit her Malesty may, any contagious distenucer in order to preveit Silk, manufacturemper.
ures of Europe, unless into, being the mannfaeLiverpool, Hall, Southaupto pwrts of Lamben or ports appointed by the Con, leith, or Dublin, tons, or into the ports of Comminsioncers of Cusdirect from Calais or Houlourer or Folkestone ships of 50 tons burden Bonlogne, and unless \(i\) : Spirits (not being pen or upurarils,
unless in ships of 50 tons burdenedicinal spirits), casks or other vessels cans burden at least, and in each of such casks or other veontnining liquids, duly or content of 20 gallons at theing of the duly reported, or in cilass bottles the least, and packed in cases, each of whitles or stono bottle's less than 2 gallons of which shall contain unt part of the cargo of the importing being renlly reported. \(\quad\) of the importing ship, and duly
Tobacc
completo packars, and snuff, mnless in whole and Jos. nett of such tobacco, cigg not less than git \& 19 Vict. c. 96 s. 2.) \({ }^{2}\) Tobacco, snuff
any kind, or from nny coungry ciga, or cignret tos of unless in ships of not less than plape whatever, den, and imported into less than 120 tons buror may be approved of such ports only as are Customs. approved of by the Commissioners of

Arms \&c. may be pront
of arms, ammunition, prohibritel.-The importation goods may be prohibited furpowder, or any ot her it council. ( \(16 \& 17\) Vict proclumation or order
Printed Lists of 17 Vict. c. 1117 s .45.\()\)
at Custom Houses, -The Commoks to be exposed toms shall cause to be made, und to bre of Cusexposed at the several ports to be pobbicly Kiugdom and in her Majestyorts in the United printed lists of all books whers posessions abroad, right shall be subsisting whercin the consproprietor of such copug, autl ns to which the have given notice in writint, or his agent, shan missioners that such writint to the said' Comin such notice when such copht exists, stating (Sce. 46.) notice when such copyright expires.
Ship to come quickly to Place of unluding, and If ing-to at the Stations for Eoarding Officers, into the Channel Islands shall United Kingrdom or up to the proper place of mooring come as quickly the nature of the port will monring or mulading is at any other place will admit, without touchin, proper placo shall not ind proceeding to sach appointed by the not bring-to at the stations the boarding of ships by thers of Customs for toms, or if after arriss by the officers of the Cusshall remove from arrival at such place such shipto some other proper place of except directly Inding, and with the propee of mooring or uniofficer of the Customs, or if the of the proper ship on board of which, or if the master of nany neglect or refuse to provide otheer is stationed suflicient room mader the de every such oflicer the forecastle or steeracre deek in some part of the master of such vessel for his bed or hanmock, 201. (Sec. 47.)
of the Customs may board any ship arriving at

\section*{IMPORPATION AND EAPORTATION}
mik port in the United Kingdom or the Channe Infinds, and freely stay on bontrd nutil all the Gowde laden thercin shatt be duly delivered from tho name, and whall have free access to every part of the Ahlp, with power to finten down hateliways ur entrmues to the holit, and to mapk any foots beture landing, and to lock ap, seal, mark, or otherwise mecure any goods on boed such ship; and if any flace or uny box or chest be locked, and the heys to withlech, such olldeers, if they be of a dearee sumprior to that of tidewaiter, may open Huy such place, box, or chest in the best mit ner in their power; and if they be tldewniters, or only "f that degree, they shali send for their superior whier, who may open ur canse to be opened any such place, box, or clest in the best manuer in his power: mal if any roods be fonnd concented on fosird ant such ship, they shall bo furfeited; mud if the otheers shall place any lock, mark, or sen! upon any foods on board, and such lock, mark, or seal be wilfully opened, altered, or brol in bufore due delivery of such goods, or if any of such goods the sectetly conveyed away, or the hatehwass or entrances to the hold, after having been finstened down by the oflleer, be opened, the master of such ship shall forfeit the sum of \(100 l_{\text {; }}\); and if the proper oflicer of the Customs ehall place any loct:mark, or seal upon any stores on board any ship) or vestel urriving in the United Kingolom, and such lock, mark, or scal be wilfully opened, altered, or bruken, or if any such stores be secretly convered away, either while the ship romalus in the port at which she thall have so arrived or beforo she shall have arrivel at any other port in the United Kingdom to which she may then he about to proceed, the master of such ship shall forfeit the sum of 201. (Scc. 41.)

T'ime and Place of landing Goods Inwards,-No coods, except diamonds, builion, iobsters, and fresli fish of British taking and imported in British ships, which may be landed withont report or entry, shall be unshipped from any ship arriving from parts berond the seas, or be landed or put on shore, on Sundays or holidays, nor shall they be so unshipped, landed, or put on shore on any other days, except between the hours of \(80^{\circ}\) cleck in the

路 1 until Nuvemher 1, and between the hompow oclock lis the morning and \(4 o^{\circ}\) check in the after nown from November 1 until Marela 1 , or duphe such wher hours as may he appuinted ly the Com misnioners of Costoms; not shall aay fends b manhipped or lamded malesa in the presence: or wion the anthority of the propet othicer of the catem nor shall they be so lanted except at some bea quay, whari, or other place duty apminted fon the luniting of goods, nor shall miy such goods, nit having been unshlpped, or put into ally bont. craft to be Inuded, be tranalipped or remerel ine nuy other bout or craft previonsly to thela bing landed without the permiswion of the propler ufing of the Customs; and if any such gotaly bid unshipped, huded, traushipped, or semurol ontrary hereto, the mane shall be furteted; and if any foods slall be unshipped or remuvel form any importlag ship tor tho purpose of being hardd after due entry thereot; such goods shall forthwith removed to and landed at the whare quay, or other place at which the same an intended to be lansled; ansl if such gools are not so removed and landed, the same shall be forfelted, together with the barge, lighter, bast or vther vessel employed in removiog the same (Scc. 19.)

As to the Rytoht of the Cargo of Meb chant Simpe, and of Sitits in Comastus bingang Mehchanf:ge fhom l'abte blo yonb gite Seas.
Muster to report within Twenty-fiur Howrafle Arrital.-The master of every ship, whether is or in lallast, shall within tweaty-fuar hours at arrival from parts beyond the seas at any poris the United Kingdom, and befure balk be brivin make due report of such ship in the furm follonio or to the same effect, and containing the seerer particulars indicated or required thereby; and the cargo of such ship shall have been laves several places, shall state the names of those plar in column 1, in the order of time in which : same were laden opposite to the pertienlarioft gools so luden. (Sec. 50 .)

\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{calluo.} \\
\hline 1 & 2 & 3 & 4 & 5 & 6 & ; \\
\hline Name or Names of Places where laden in order of Timse & Marks & Nos. & \begin{tabular}{l}
Packages and Descriptions of Goods, Particulars of Goods stowerl loose, and Gienera! Denomination of Contents of each Packnge of Tobacco, \\
Clgars, or sinuff intended \\
to be imported at this Port
\end{tabular} & Name of Consignee & Pasthculars of Pa:lagres and Goods (If say) for any Other Port ln the Uniled Kingdom &  \\
\hline & & & & & & \\
\hline \multicolumn{7}{|c|}{Here siape the Particuiars occurding to the above Hioding'; or ifin Ballant, atate 'in Ballart only.'} \\
\hline \multicolumn{7}{|c|}{i} \\
\hline
\end{tabular}ctrertheless to
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Castgo of Jle ＇s is Commtsolu from Pabts br
ty－four Hours afle ship，whether lal aty－four hours attit seas at any pori is ore bulk be briken 1 the form follonim taining the serers red thereby；and have been ladea atnes of those pla time in which be perticulars oft

Cullr. or Contr.
on haviure，Mastic to firffit 1001．－If such goter shall wilfully fall to make such ruch aurding to the pirticulurs hire sel．forth，sos Aip as the fane are appliceable to nuch ship， arfon，and royage，or if the particulars or nuy athea evoluined in such report be false， mad mater shall forfeit the snim of 100 ？ M，51．
（iumnissioned Ships，isritish or Jioreigu，having Cowds in Bourd so．－The enptain，masier，purser ＂other person having the charge of any ship （asaing cormisslun from her Majesty，or from any wabin slate）having on bonrd any goods buan in parts beyoud the seas，shall on arrival at ay frt ta the United Kingdom，and before any ，partur sulch goods be taken out of such ship，or catimes，deliyer an account by any oflicer of the hand to the lest of his acount in writing under his hand tu tue besty of hils knowledge of tho quality amm puanty of every packago or pareel of such and of the names of the atil numbers thereon． consigese of the same，nad shall make and and raite a dedaration at the foot of such and sub delaring to the truth thereof，and shall account wastr to the cullector or cumptroller sueh ，uco－ uraconferming such goods as shall bo required atim，and on failure thereof suech eaptain，navter， Wh，and all person shanl furfeit the sum of marime all such ships shall be linblo to such cfices efthe custome ships are liable to，and the waddels such ships，and loring froun aul go on som ino the Queen＇s warehouse from thence on on band any such shiphose nny groods found neretheless to such reculationo inesaid，subjeet rupg of war belunging to her Majesty as and of yum time to time be directed in that respect vithe Commissioners of her Majesty＇s Treasury．
Sin 2.3 ．
Rautern to deliver Bills of Luading and answer （vumionnts，－The master of every ship arriving masing such report deliver toll at the timo of cappoller，if required，the to the collector or ap：hereof，for every，part of the of lading，or a kaxid，and shall answer part of the eargo latlen on the ship，cargo，crew，and suelh questions relating ato bim by such collector voyage as shall bo Lase of failure or refusal to comptroller；sad Unsor maswer truly，or to to produce any such ques－ huding or conp，or if any suld any such bill Wer shall be false，or if suy bill of lading or stuesered produceed by any naster，and the ling be theserd therein shall not have beand the goods uptad on board such ship，or if any bill bonấ fide tuterd or produced by any mostery bill of lading ta signed ly him，or any master shall not have tre ben reccived，or made by copy shall not obislaring the place where by him，previously tee hill of lading or cope the geods expressed terthe arival of any ship were shipped，or if
any ship within four leagues
brokent，or anty alternited King tom bulk shall he the eargoo of such antion made in the stowage of lucling of any purt of no as to facilitate the un－ be staved，destroyed，or thrown oy or or if any part mekage be oprened or thrown overtuard，or miny satisfuetion of the Cumess necounted for to the ercry：such case such rimater shars of Customs，he of liond．（Sec．53．）． Packuyes reportel
opened und reported＇Contents unknou－n＇may be package intended for exportation in the of nuy कhip shanl be reported by exportation in the samo known to him，the officers of ther as being un－ open and examine suffers of the．Customs muy bring the same to the Quch packnge on board，or purfose，andif there be（heen＇s warehouse for that goods which are prolibited to bo in packare any toods shall be forfeited，unless bo imported，sueh of Custons sharl permit them Commissioners （Sec，54．）
As to the：Evtry of Dutianles Goods to be handened fon home Conslimpton on tie SANDiNG themeof fhom the imponting

Entry for Honce Consumption，－The importer of any goods linble to duties of customs and in－ thered to be delivered for home use on the landing shall，before unstimporting ship，or his agent， entry of ：uch manhipment thereof，make perfect or comptroller goods by delivering to the collector following or to the sof entry thereof in the form severnl particulurs indicated in and containing the And tho particulars in inded in or required thereby with tho particulars given of try shall corresponid packages in the report of the same goods and certificate of origin or orther the ship，and in any such is required，by which thment，where any entry of such grools is which the importation or the importer，is entitled to authed，or upon which distinction thereof，or to any benefit by the the value of any goods is requise；and whenever the entry，the inpoorter is required to be stated in seribe a declaration of or his agent shall sul－ in the form set forth at the truth of such value （Sec， 55 ．）
Payment of Duties．－The importer or his agen entered by hiately upon the entry of any goeds down any duties which may bed for home use pay goods mentioned in such maill be payable upon the to the Receiver－General，and of eatry，if in London， ports to the collector or other at any of the out－ by the Commissioners or other person authorised same；and sueh bill of Customs to recive the colleetor or other such person，when signed by the to the landing waiter，and be his warraunsmitted landing and delivery of such wis warrant for the \({ }^{\text {By }} 25\) \＆ 26 Vict．c． \(63{ }^{2}\) s． 67 ，certsin．（Sec． 56. ） also conferred upon the ship－ownertain powers are

Port of tNime of Port of Importationes.





Dated chis
day of
(Signel)
Inyporter or \(x_{\mathrm{s}} \mathrm{mm}\).
I (name of impurter or agral). of (phace of alodel, do herely deelare that I am the importer, or agent duiy nuthorised ty the impunter,

(Vitnes my hand tie
day of
land goods in default of entry by owner of geods, subject to certain conditions.
Detention of Goods for Under Valke.-Tho nbolition of ad valorem r!atics renders obsolete sec. 57 of 16 \& 17 Vict. c. 107.
As to the Entry of Goons intended to he warehousfod without Payment of Duty on Finst Enthy themeof.
Entry for the Warehouse.-The importer of miny goods intended to bo wnrchoused withont jayment of duty on the first entry thercof, or his ngent, shall deliver to the collector or comptroller n ioll of entry of such goods in the sanie manner und form and containing the same particulars ns are befote required on the entry of goods to be delivered for home use on the landing thercof as far as the same shall be applicable, and the name and tescription of the warchouse in which such goods are intended to be warchoused, and the name of the person in whose name thcy are to be wareheused; and such bill of entry, when signed by the collector or comptroller, shall be transmitte! to the proper officer of customs, and be the warrant for the due warehousing of such goods. (Sec. 58.)

Goods entered for Warehouse may upon firther Entry be delivered for IIome Use or Exporta-ticn.-If after any goods shall have been duly entered and landed to be warehoused, thongh not act ally deposited in the warchouse, the importer shall further duly enter tho same, or any part thercof, for home use or for exportation, the same may be delivercl and taken for home use or exportation, as the case may be. (Sec. 59.)
As to the Entry of Goons free of Dutr.
Particulars of Entry. - The importer of any goods not subject to duties or customs, or his agent, shall deliver to the eollector or comptroller a bill of entry of such goods in the same manner and form and containing the same particulars as before required on the entry of datiable goods, so far as the same is applicable, which entry, so far as regards the goods, shnll be a transcript of the report, and shall therein describe euch goocis ao-
nithe of siant.


Hurnat fir Janding.- Surch entry being deHerel to tic collector or comptroller, and signed of lim, stail be the warrant for provisionally linviang nech goods to be examined by sucb imboter it te presence of the proper officers; and theimpores shall within 3 days, or such further time simarbe allowel by the Commissioners of Cutums aler the landing thercef, and before the une fall be delisered, maka full and perfect mang thereof by endorsing upon such bill of Whi sech particulars of such goods as are fin required on making perfect entry of did whether for payment of duty, or for yrbocring, or for delivery free of duty, as the \(u\) me: he; and to such indorsement he shall Es the date thereof, together with his signaFre adiplace of abode ; and such indorsement, the igned by the collector or comptroller, Will be bken as the perfect eutry for, such and (seec. ©2.)
Cuxd entered by Bill of Sight not to be derad mplan Duty is paid or deposited. - Where enty for the landing and examination of do be delivery on payment of duty shall be the br bill of sight, such goods shall not be Frad until perfect entry thereof have been chand the duties due thereon paid, unless the putterer lis agent shall have deposited with the co vilece of the customs a sum of money vinet in amount to cover the duties payable ras; andif the sum deposited on a bill of sight Ant be equal in umount to the dutins chle upcon all the goods contained in any * package landed or examined thereby, no * wall be dolivered until a perfect entry or ias is or are made, and the duties paid or wied for the whole of the goods contained in Puklage (See. 63.)
mad to be taken to Queen's Warelouse in deIf peffect Entry within Three Days \&c.--If wi ifect entry of any goods landed by 10 Eight as aforesaid be not made within dars, or such further time as may be al\(\Delta\) the Commissionerz of Customs, after maning thereof, such goods shall be taken eQuea's warehouse by the otlicers of the as; and if the importer shall not within oth atite such landing make perfect entry or wof such goods, and pay the duties thercon
or on such parts as can le entered for honre use. together with the charges of remorval and of wareluonse reat, such goods shall be sold for the payment of such dutios and charges (or for exportation if they be such as cannot be entered For home use, or slund not le worth the duties), and the overplus, if any, after payment of such duties and charges, or the charges if sold for exportation, shall be paid to the importer or proprictor thereof: provided always, that when entry be at any time made as and for a full and perfect entry tor any goods provisionally landel by bill of sight or deposited in the Queen's varehouse as nforesaid, if such entry shall not bn made in mamnir hercin required for the due landing of the goods, tho same shall be deemed to be goods landed without entry, and shall be forfeited. (Sec. 64.)
As to tile Entry of Goons ule-mporten into the United Kingdom as Foreggn or dy Brile of Stone.
Re-importation of British Gonds.-All British groods brought back into the United Kingdom, being of such a kind and description as, if foreign, would be liable to any duty of customs on importation, shall be deemed to be foreign, and liable to the same duties, rules, regulations, nnil restrictions as forcign goods of the like kind or deseription; but if the same shall be brought back within 5 years from the time of the exportaion thereof, and it shall be proved to the satisfaction of the Commissioners of Castoms that they are British goods returned, the same may be enterad by bill of store contaiuing such particulars and in such manner and form as tho said commissioners may direct : provided always, that all corn, grain, menl, and flour brought into tho United Kingdom shall be deented and taken to be forcign goods, and all goods brought into the United Kiugdom for which any drawback of excise or customs shall have been received on pxportation shall be deemed and treated ns foreign unless admitted to entry by special permission of the Commissioners of Customs, and on repayment of such drawback. And all foreign goods on re-importation into the United Kingdom, whether they sball have paid duty on their first importation or not, shall be liable to the same
duties, rules, regrations, and restrictions as if then imported for the first time. Provided also that if nuy liritish groods brought into the United Kingdom bear the brand or mark of any lbritish manufacturer, the same shall le ndimitted to entry as such without a bill of store, if the proprietor of sueh brand or mark, or his legal representative, shall crive his consent in writing to the delivery thereof. ( \(30 \& 31\) Viet. c. 82 s . f .)

As to Enthes of Goons in any of the romegong Cases.
The Commissioners of Customs may permit entries of goods in such form and manner, and on such conditions, as they may direct to meet the exigencics of any casc. (18 \& 19 Vict. c. \(96 \mathrm{s}. \mathrm{5)}\).

Bill of Entry to be in duplicate.-Upon the entry of any roods, the importer, his agent, or consignce of the ship, as the case may be, shall deliver 2 or more duplicates of the bill of entry thereof, as the ense may require, in which duplicates all sums and numbers may be expressed in figures; and the number of duplicates shall be such ns the collector or comptroller may recuire. ( \(16 \& 17\) Vict. c. 107 s. 6 t .)
Iuporter or Agent fuiling to comply with Regulations to forfcit 20l.-Every importer, agent, or other person entering any goods who shall wilfully fail to comply with the foregoing regulations, so far as they are respectively npplicable to the goods so entered by him, shall forteit and pay the sum of 20l. (Sec. 67.)

No Entry vauid unless Goods properly described therein.-No entry or warrant for the landjug of any goods shall be deemed valid unless the goods shall be properly described in sueh entry ly the denominations and with tho characters and circumstances according to which such goods are clarged with duty or may be imported. either to be usel in the United Kingdom, or to be warehoused for exportation only. (Sec. 68.)
Goods cenceuled in Packages or delivered without Entry forfeited.-If any package or pareel shall have been landed by or in pursuance of any entry, and any goods or other things shall be found in such packnge or parcel conccaled in any way or packed to deceive the officers, such package or parcel ond all the contents thercof shall be forfeited; and if any goods be taken or delivered out of any ship or out of any warchouse, not having been duly entered, the same shall be forfeited: providel always, that no entry shall bc required in respeet of the baggage of passengers, which may be examined, landed, and delivered under such regulations as the Commissioners of Customs may direct; but if any prohibited or uncustomed goods shall be found concealed therein either before or after landiag, the same shall be forfeited, together with the other contents of the package containing the same. (Scc. 69.)

Surpius Stores not excessive may be entered for privatc Use or Warehouse.-The proper officer may permit any surplus stores, not being merchandise, nor by him deemed exccssive, to be entered for private use under and sulject to the same duties, rules, and regulations as the like sort of goods. would be subject to on importation as merchandise, or permit the master, owner, purser, or other officer of any ship, or any passenger of such ship, to whom any surplus stores belong, to enter and warehouse such surplusstores for future use as ship's stores, although the same could not be legally imported by way of merchandise. (Sec. 70.)

Bintry of Goods by Agexts uithout Licase on by unauthorised Persons not permitted.- If at any acting any busineas relatg as ngents fur truns any slip or goods or baggage shalt be required to be licensed, any person not so lieensed, or not leeing the duly appointed elerk to any prom so licensed, shall act as such agent or elerh, ir is any person, whether so licensed it apprinted of not, shall make or cause to be made entry of any goods without being duly authoriser for that purpose by the proprietor or eonsignee of suld goods, every euch person shall for crery such offence forfeit the sum of 200 ; bat no suhb penalty slinll extend to any persci ace ne und the direction of the several dock companies, opto any person otherwise authorised by law to pa entries, nor to any merehant, iuporter, of consignee of ony goods, acting himself in reapet thereof, or any clerk or servant exclusivel comployed by hina or loy any such persons in copmethership. (Sec. 71.)

Agent to produec Authority if requird. Whenever any person shall make application to any officer of the customs to tramact any business on be:talf of any other persor, such officer may require of the person so applyingto produce a written authority from the peciso "lase beLalf sueh applicition shall be made, and in default of the production of such suthonin refuse to transact such business. (Sec. i2.)
Officers may take Samples.-The oficers customs may on the entry of any growls, of any time afterwards, take samples of such rad fur examination, or for asceitaining the duic payable on such goods, or for such other purpas as the Commissioners of Custonis may dee necessary, and such samples shall be dijpoed and accounted for in such manner as the Cord missioaers of Customs may direct. (Ser, ious.)

As to the Time within which Goo shall be entened and ianded aft the Ambival of tine importing Sile.
Goods not entered within 14 Days may beco veyed to Qucen's Warehouse.-I If the importer any goods shall not, within 11 days (exclusire Sundays and holidays) after the arrival of the sh importing the same, make perfect entry oteas by bill of sight of such goods, or if, having ma such entry, he shall not land sach goods wid such 14 days, or within such further penid the Commissioners of Customs shall direct, officers of the customs may wonvey such grods the Queen's warehouse: and whencver the co of any ship shall have been discharged wit such 14 days, with the exception only of aso quantity of goods, the officers of the chistoms forthwith convey such remaining goods to Queen's warehouse; and al.o at any time the arrival of such ship may convey ans s, packages or parcels of goods thereis 10 Queen's warelouse, there to remain for entry during the remainder of such 14 days; if the duties due upon any goods so convery the Queen's warehouse shal! not be paid mi 3 months afterwards, or within such furt period as the said Commissioners mey dis together with all charges of removal and house rent, such goods may be sold, and produce thereof applied, first to the parme freight and charges, next of duties, and overplus, if any, shall be paid to tha propriet the goods on his application for the same; such goods or any of them shall be of a pe able nature, the Commissioners of Customs forthwith direct sale thereof, and spply
proceds in 1
tor this parpo ime for cntry monated from pouls shall ha porided alway prive atter the the bills of lad on ant part th masignte of suc oo enter and la at any port on sho ser sip (Nic, it) If Couls remai It Duys such Sh -llitencerer any sy impoting shi ftat the arriral firther priod as tay allow, such shi oficer of customs. a puarding such rech furlhe: tinne, esccetiag os. per goods or any of the in case the oflicers : ( \(\mathrm{Xc}, \mathrm{B}_{0}\) )
ds te Gopos ino For Dunace on HM BE CLAIMED, Abothent of \(D u\) clam for any abatem soods impoted into allowed on accos dem shall be mad bereof, and in such commisioaets of Cus is shall be proved to misionets of Custom damage was sustained shipped in the impo kading theteof in the mods derlict, jetsqm ar wining into the Un ademiralty sold in it tiveres be subject of the like kind on oft of the Cinited aless it shall be sho Camissioners of Ca the gronth, produce constro or place by \(\mathbf{v}\) watiled to be a finesid juty or duty Whik to duty are e fate of such dama tord hy sicch goods anier, jesem, hotsa ullo astesesed by th mixperat thereto; bu \({ }^{4}\) these feprt Cuitstoms or brought is which 4 to the amount of 8
pon tho indifferent
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ance shall be ma
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roceds in like manner: provided always, thot his purpose, if the importing ship and goods liable to the performance of quarantine, the be Labe fortry and landing ot' such goods shall be whed from the time at which such ship and wall have been releascd from quarantine. onds shall have tar rorided awnys, that if \(t 8\) hours or any earler rinafter the report of any ship is specified in the bills of lading for the discharge of her cargo te bis thereof, nud the importer, owner, or any fur fools or his ncrent sliall nerrect cmignee of such goous or his nent shan ngh and land the same within such 48 hours anv pott or place approved by the Comsat any port Customs, the master or owner of with ship may immediately, on the expiration of sueh 48 hours, euter and land such goods. (Sec. it 1 )
If Gouds remain on bourd importing Ship beyond 11'Duys such Ship may be detainfd for Expenses. - Whenever any goods shall remain on board wr inportiag ship beyond the period of 14 days uf. pe arriesl of such ship, or beyond such forther period as the Commissioners of Customs marther pur, such shipshall be detained by the proper ofiee of customs untid sll cxpenses of watching rarding such roods beyond such 14 days, or on ph furue: time, if any allowed as aforesaid, not esceeting us. per dient, and of removing the fowld of any of them, to the Queen's warchouse, in ese the ofticers shall so remove them, be paid. (en. ive \(_{6}\) )
ds te fonder uthon whicir any Abadement for Dhige on tine Voysae oh ni Wheck ysi 樶CLAMED.
Alatanent of Duty on Damagcd Goods.-No dim for nay abatement of duty i.s respect of nuy mads impored into the United Kingdom shail be dloreil on account of damage unless such dim shall be made on the first examination berela and in such form and mumer as the Cumakiconers of Customs shall direct, nor unless it tuillbe proved to the satisfaction of the Comjisineses of Customs or their officers that such dumyerras sustained stter such goods had been sliphed is the importiug ship and before the mudingutereof in the United Kingdom : and all puds dedict, jetsam, Lottam, and wreck bronght at. wimis, into the United Kinglom, nad all droits dAdaialty sold in the United Kingdom, shall at limes be sulject to the same dutics as goods dide like kiad on importation iato the same or of the United Kingdom are sulvject to, mimitshall he shown to the sutisfaction of the Camisisioers of Customs that sucl goods are de grorth, produce, or manufacture of any caxtry or place by virtue whercof the same may We exiled to be admitted at less than the Lreige duty, or duty frec, or that the same, if mase to daty, are enititled to an abatement in Fatat of such damage; and the damage sustued by such goode, whether so imported or texilit, etessm, Hotsam, or wreck as aforesaid,㠉 be assessed by the officers of the customs, if avpetent thereto ; but if not, or if the Commisexars of Customs or the collector or comptrolier dite port into which the same shall be imported rampht as aforesaid shall entertain any doubt \(\$ 1\) othe amount of such damage, they may coll xea tro indifferent merchants to examine the rach ad certify to what extent in their judgmat the summ are lessened in value by such urpeg whereupon the efficera of the customs dy make an abstenient not exceeding \({ }^{3}\) of 4 duty onininally chargeable thereon; but no mance shall be made for damage on spirits, matmia, meal and flour, sugar, eocon, tea, coffee,
pepper, tobacco, currants, raisins, wine, and figs. ( Scc .7 C.\()\)
As to The Puoduction of Chentificates of Omign in liesirter of Goods chaiming any Bendefit thenehy on Imiroriation.
Goods from Possessions Abroad.-Nc goorls shall be entered as being of or from any l Sritisla possessions abroal (if any benefit attneh to sueh distinction) except the territories subject to the Government of the presidencies of lengal, Madras, and Bombay respectively, unless the nast er of the ship importing the same shall have delivered to the collector or comptroller a certiticate, under the hand of tho proper otlicer of the place where such goods were taken on board, of the due elearance of such ship from thence, containing an account of such goods. (See, 77.)

Treasury may require Certificates of I'roduc-tion.-'lho Conmissioners of tho 'lreasury nay by order under their hands declare that a certiticate of production shall be required upon the exportation of auy gocds from any British possession abroad or other place, or upon the importation of
 such regulations respecting such certificates and goods as they may think fit; and if any goods in respect of which such certitiontes are required be imported without suc'a certiftente, they shall be deemed to be foreign goods and liable to any duty attnching to them ss such; and such orders of the 'Ireasury shall be published in tho London and Dublin Grzettes 3 times at least within 3 months from the date thereof respectively. (Sec. 78.)

Certificate of Sugar from Limits of East India Company's Charter.-1Beforc any sugar slall be entered as being the produce of any British possession within the limits of the Last. India Company's charter, the master of the ship importing the same shall, so long as any benefit attach to such distiaction, deliver to the collector or comptroller a certificate under the hand and seal of the proper officer at the place where such sugar was taken on board, testifying that a declaration in writing, the contents of which he believed to be truc, had been made and sig . \(d\) before him by the shipper of such sugar, that the same was really and bonat fide the produce of the British possession. (Sec. 80.)

East India Nugar warehoused at the Cape of Good Hope.-If any sugar, the produce of any British possession within the limits of the list Indi: Company's charter, so long as any benetit attaches to such distinction, shall havo been imported into the Cape of Good Hope from the place of its production, accompanied by such a certificate of origin as would be sufficient for its admission into the United Kingdom at the rate of duty pnyable upon such sugar if imported direct from the place of its production, and shall have been warchoused at the Cape of Good Hope under the regulations there in force for the warehousing of goods, and shall have been exported from such warehouse, accompanied by a certificate from the proper officer of customs at the Cape of Good Hope, setting forth the particulars of the importation, and of the warehousing and of the exportation of the same, and also setting forth the suostance of the certificate of origin before mentioned, and if, on the arrival in the United Kingdom of the ship importing such sugar, the master of such chip shall deliver to the collector or comptroller at the port of importation such certificate from the officer of the customs at the Cape of Good Hope, such sugar shall be admitted at such port of importation in the United Kingdom at
the same rate of duty as would be payable if the yame had been imported direet from the place of its production. (Sce. 81.)

Goods of Guerasey, Jersey §c.-Any goods of the growth of the Channel lslands, and any goods manufactured in the said islands from materinls of their growth, or from materials not subject to duty in the United Kingdom, or from materials upon which the duty has been paid in the United Kingdon, and upon which nodrawback has subsequently been grnnted, may be imported into the United Kingdom from the said islands respectively : ithout payment of any duty, nad such goods shall not be deemed to be included in any charge of duties imposed by any Act on the importation of goods generally from parts beyond the sens: but auy goods shall be charged with any proportion of such dutics as shall fairly countervail any duties of excise payable ou the like goods the produce or manufacture of the part of the United Kingdom into which they shall be imported, or payable upon any of the materials from which such goods are manufactured; and all goods manufactured in any of the said islands from any other materials than the materials aforesaid shall be declared and taken to be foreign goods. (See. 82.)

Master to deliver Certificate of Produce.-Before any goods shall be entered as being the produce of the said islands (if any benefit attach to such distinction), the master of the ship importing the same shall deliver to the collector or comptroller of customs a certificate from the governor, licu-tenant-governor, or commander-in-chicf of the island from whence such goods were imported, that proof had been made in manner required by lnw that such goods were of the produce of such island, stating the quantity and quality of the goods, and the number and denomination of the jackages containing the same. (Sec. 83.)
As to the Unsimping, Landing, Examinatron, Vareifousing, and Custody of Goons.

Goods to be unshipped, carried, landed, weighed \&c. and deposited at the Expense of the Invorter. -The unshipping, carrying, and landing of all goods, and bringing them to the proper place for examination, and weighing, putting tliem into the scales, opening, unpacking, repacking, bulking, sorting, lotting, marking, and numbering, where such operations respeetively are necessary or permitted, and removing to and placing them in the proper place of deposit until duly delivered, shall be performed by or at the expense of the importer; and the importer or person entering any timber or wood to be charged with duty by measurement shall, at his expense, pile, sort, frame, or ctherwise place the snme in such manner as the Commissioners of Customs may deem necessary to enable the officers to measure and take the account thereof; and in all cases when the same is mensured in buik, the measurement shall be taken to the full extent of the pile, and no allowance slath be made by the officers on account of any interstices; but battens, boards, deals, and planks excceding 21 feet in length may be measured by the piece, end the account thereof taken separatcly. (Sec. 85.)

Goods removel or carried into the Warehouse without Authority forfeited.-If any goods shall be removed from any ship, quay, wharf, or other place previous to the examination thereof by the proper officer of customs, unless under the care or anthority of such officer, or if any gools entered to be warehousen., or to be re-warchoused, shall be earried into the warehouse unless with the authority or under the care of the proper
officer of customs, and in such manner, by such persons, within such time, and by such rials or ways as such officer shall direet, such goods shall
be forfeited. (Sec, 86 .) e.

Wurchouse.-Unons the take Acrount of Coonds fir Warthouse.-Upon the entry and landing of any goods to be warchoused, or within such perind as the Commissioners of Customs shall tipect with respeet to the same or any of them, the officer of customs shall take a particuiar account of such croods at the quay or wharf at which they shnill be so landed, or in the warehouse if they be goods of which the account is mitted to be tnken in the warchouse, and shall canse to be marked on each package of whidh such account sha.l be taken the contents thereenf and shall enter in a book prepared for that purpose, containing the name of the iapport shipp and of the person in whose name they are en tered, the marks, numbers, and zontenis of each such package, the description of the goods, and the warchouse or place in the warehouse in which the same shall be deposited; and when the same shall have been so deposited with the authority of such officer, he shall certify that the catry and warchousing of such goods are complete, and such goods shall from that time be considered gools warehoused; and if any such goods stall be delivered, withheld, ar removed from the power place of examimetion before the sume slatl hare bcen duly exnmizaed and certitied by such officer, such groods shall be deemed to be gools not duly entered or warchoused, and shall be forfited (Sec. 87.)
Goods to be entered and Duties paid occording to Landing Aceount.-The account of the poods so taken as aforesaid shall be the accoum upoa which the duties payable upou sueh goods thall be asecrtained when the same shall ultimately come to be delivered upon due entry for tant purpoce and the same shall be entered cod the full dation thercon be paid according to the quantity takeoit such account, without any abatencent fir anf de ficiency, except as hereinafter providel (fee 88), and the quantity of the goods shoud b specified on which duty is chargeable b: deliver
Warehoused Goods to lie deposited in origime Puckuges, or those of uhich Arcount is tuhn--1 goods warehoused shall be deposited in the pade ages in which the same shall ha e been import except as to such goods os ? permitted io skipped on the quay, or bulked, sorted, lotad packed, or repacked in the warchuase atter 4 landing thereof, in which case they shall be posited in the packages in which the same sh be when the account thereof is taken or proper officer; and if such goods are not so d posited, or if any alteration shall afterwards inade in the goods so deposited, or in the pachia thereof in the wnrehouse, or if the same shan! removed from the room in the warchousein wat the same are deposited, without the preseree sanction of the proper officers, except for delire under the proper warrant, order, or authonty that purpose, they shall be forfeited. (Sec 89.)

Commissioners to direct what Gods may bulked, sorted, packed \&c.-The Commissioners Customs may (a. act what goods may be skipy on the quay, or bulked, sorted, lotted, pac or repacked, and determine in respect of Tr goods the account may be taken in any warcha' approved by them for that parpose, and what time after the landing thereof, aud oa a conditions as they may deem necessary. 90.)
perly archousckeeper neglectiag to stow onods perly to forfeit 5 l.- If the occupier of any "a

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} racka, en and con'ect furfeit il'archousek pasited, to firf onse shall not towe which sh disered there web nempeet \(f o\) kty pickage the dutises due \(t\). Goonds not dull realed, or remole to be warehonsec torwance of suel thall be fraudule the warehouse, on or transferred fr berwise, for the coacstracnt, they Importer or P
clandestinely gain candestinely gain N - li the inpo reboused, or an clandestinely opea the presince of \(t\). aring is the erre to the chands, such fit erefy such off. (Sec. 9t.)
Luty or Goorls th Entry to be paid by hoous shaill le taken due catry of the same ons, the eccupier of with par the duties rery person so taking rent of duty, or who crace therein, and eve batror or embezzle a deemed guil hall, upon conciction ari inficterl in cases 0 xrseo shail be an of ot actits in the the ball be prosecuted to milime, or propriet will be parable for or the damage oceasi eabezzloment shall mimisioners of the Commissioners of C If Goods be dunnaged ma to Compensution. made by the Commi portet proprietor, or setorise by fire or 4.36.) Commisioners may re entered to be wareh. and from the wareho led by nnaroidable
ore or in thang, or
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Karrilge to may
tnuse ball neglect to stow the gooda warehoused therein so that casy access math fur every such

Harehussekeper negleeting to produce Gools depaited, to forfeit \(5 /\).-If the occupier of any warepasted, shall nut produce to any otlicer of customs mase haquest any goods leposited in such warevais requ holl not have been duly cleared and huse whels shall not hav ocepier shall for and taireded therefrom, such occupier shall for every wat aplect forfeit the sum of 3 . in respeet of eiter
Goodis not duly urarehoused, or frauclulently conwhed, or renured, forfeited.--lf any goods entered to be wareloused shall not be duly warehoused in urrance of such entry, or being duly warehoused hull be fradalenty concealed in or removal from the marehouse, ir abstracted from nav packare, et transferel from one package to another or ethervise, for the purpase of illegal removal or vonealment, they shall be forfeited. (Sce. 93.)
Importer or Proprietor of wavehoused Goods indatinely gaining Arcess thereto to forfeit W - if the importer or proprictor of any goods rasebused, or any person in his employ, shall dandstiady open the warehorse, or, except in the presinee of the proper officer of customs ating in the execution of his duty, gain access the poods, such importer or proprietor slial if every such offince forfeit the sum of \(100 l\). (Sec. 94. )
Duty vi Goorls tuhen out of Warehouse without Eatry to he paid by Warchousekeeper \&c.-II any modisan te taken out of any warehouse without due cutry of the same with the proper officer of custome, the mecupier of such wnrehouse shall forthwith pay the duties due upon such goods; and kerf person so taking out any goocls withont payment of dutr, or who shall and, nssist, or be comamed therein, and every person who shall wilfully fatrof of embezzle any goods duly warehouser hatilledeened guilty of a misdemeanor, and bill, apoa conviction, suffer the punishment by as iodititel in cases of m.selemeanur: but if anch berion shail be an offieer of customs or excise potacing in the due execution of his duty, and ball be prosented to conviction by the importer, Sonsigne, or proprictor of such goods, no duty bail be parable tor or in respect of such goods, ow the damare occasic.aned by such waste, spoil, tealberlment shall, with the sanction of the Comisioners of the Treasury, be repaill or made Nd to such importer, consignee, or proprictor by temmissioners of Custous, (Sec. 95.)
If Goods be damaged by Fire, Importer not enud to Compensution.- No compensation shall made by the Commissioners of C'ustoms to auy poutce, proprictor, or consignee of any goods by exa of aay damage occasioned thereto in the reanse by fire or other inevitable accident. en.96.)
Commissioners may remit Duties on warehoused wdst lust or destroyed.-lf any goods warchoused cetered to be warehoused, or entered to be demod from the warchouse, shall be lost or deored twy unavoidable aecident, either on shipin or in landing, or in receiving into the wares, or in the warehouse, the Commissioners of wms may remit or return the duties due Stoun. (Sicc. 97 .)
so the Removal of Wamehoused Goons.
Cond may be removed from one Port to another.
monls warchoused at any port in the kingdom may be remored by sea or by od carniage to any other port in which the
like kind of goods may be warehoused on importation, to he rewarehotised at such other port, mud again as often as may be required ai any other such port, to be there rewarehoused, or with the permission of the proper ollicer of customs trom any warehouse in any port to any other warehouse in the same port, under such regulations and with such security as the Commissioners of Customs may thirect on the delivery to the proper oflicer, by the person requiring such removal, of a request note, stating the particulars of the goods required to bo removed, the vame of the port, or of the warehouse, if in the samo port, to which the same are intended to be removed, and with such other information and in such mamer and form as the Commissioners of Customs or the proper oflicer may direct or require. (Sec. 98.)

Officers at Port of Removal to transmit Aecount of Goods to Officers at Port of Destinution.-On the delivery of any goods for removal, an account, containing the particulars thereof, shall be transmitted by the preper ollicers of the port of removal to the proper officers of the port or place of desti nation, and tho person requiring the remuval thereof shall enter into bond, with one sufficient surety, in a sum equal at least to the duty chargeable on such goods, for the dun arrival and rewarchousing thercof at the port or place of destination within auch time as the Commissioners of Customs may direct, such bond to le taken by the collector, comptroller, or other proper officer cither of the port or place of removal, or the port or place of destination, as shall best suit the residence or convenience of the parties interested in such removal; and if such bond shall have been given at the intended port or place of destination, a certiticate thereof, under the hand of the collector or comptroller, or other proper otficer of such port, shall at the time of the entering of such goods be produced to the collector, comptroller, or other proper officer of the port of reunoval; and such bond shall not be discharged unless stch goods shall have been produced to the proper oflicer, and duly rewarehoused at the port of destination, within the time alluwed for such remova, or shall have been otherwise accounted for to the satisfaction of the Commissioners of Customs, nor until the full duties due upon any deficiency of such goods not ao accounted for shall have been paid; but any remover may enter into general bond, with such sureties, in such amount, and under such conditions, as the Commissioners of Customs may approve, for the removal from time to time of any goods from one warehouse to another, and for the due arrival and re-warehousing of the sane at the place of destimation within such time or times as the said Commissioners may direct. (Sec. 99.)
Goods, on Arrival at Port of Destination, to be subject to same Regulations as Goods on first Importation.- Upon the arrival of auch goods at the port or place of destination, the same shall be entered and warchoused in the same mamer, and under and subject to the same laws, rules, and regulations, ao far as the same are or can be made applicable, as are required on the entry and warchousing of goods on the first importation thereof. (Sec. 100.)
On Arrival of Goods at Port of Destimution, they may be entered for Exportation or for Home Use, on Payment of Duties,-If upon the arrival of goods so removed as aforesaid at the port of destination the parties shall be desirous forthwith to export the same, or to pay duty thereon for home use, without actually lodging the same in the warehonse for which they have been entered and examined to be re-wareioused, the officers of customs

han is required bs (1 goods); and abso pirits Into :cputed ration only; and to h any wine, not ex. gallons of brandy to to fill up any cask her casks of the same ame warchouse; and om the lees, and mix -asing from the eask whole of the wine 5 nd; and also to take y be allowed by the with or without entry, ent of duty, except \({ }^{3}\) ecome paynble as on: uantity; and the taty um coods ns may li uch goods inmediately pai cupon be delivered d after such goons bane acked in proper or ap nmissioners of Custom e importer or poprictor mit any refuse, damagy ed by such separation of reyucst, any goods whic ty to be destroyed, and nble thereon. (sec. 100. . Duty-paid Pockages ona - No foreign packagen all be used in exent such the importation of \(\begin{aligned} \\ 5\end{aligned}\) full duties thereoa sha (Sec. 106.) nay be taken out, under co Conmmissioners of Cuson to be taken out of therras of duty, for such purpoce m may appear expetio , and under such regulation with such security by by ereof or the payment ut they may direct of mq
of Warenoused Go MPTION AND Exportim RY TItEREOF.
tion.-No warchoused gho clivered from the rareho try, and under the care of portation, or upoa due 6 is portation, duties payable then e full duties delivetet into ept goods delved as store ers to be shipped or comptro the collector or comp the 0 to the directions of the reg ome, and under suca 109 . ce fit to make. (Sec warehoused Goods for \(\frac{1}{2}\) w Entry, and pey docn of any goods to be cleared home use, the persua ente cliver a bilk of cotry, and like manner and form, \({ }^{n}\) ali culars as are before requir to be delivered for home us \(f\), as far as the same mary at the same time pay dies of castoms the full dant thas being less in amount aker count of the quantily \(r\) or other proper oup
anding thercof, except as anding thercot?
follaning mods; viz., tolncco, wine, spirits, figs, curnats raisins, and sugar, the duties wicreon, chea cleared from the warehouso for hoino use, whalbecharged upon the quantity of suca goods unemined br weight, measure, or streagth at the ance of delivery thereof, unless there is arie faco ground to suppose that any portion of munaable or lifference between the weight the deficiency or difference between the weiglit, wadure, or strengtli ascertained on lninding and andemanation of any such last-mentioned froods 2n that heen caused by illegnl or improper means, iu wish caie the proper oflicer of customs shall batownce only for loss as he may coninf firls to bave arisell from notural evaporation wid fairl to thave arisen from nitural evance (Sec, 110.)
Ialue of Gools to be extimated by Offiecrs at the yath Price-- IVhen any deficieney occurs in polishargeable to pay duty aceording to the value tereof, the value thereof shall be estimated as wall as conveniently may be by tho officers of cerms according to the market price of the like sh of grods. (Scc. 111.)
stef grods. (Scc.
Drefiencies in Goods entered for Exportation Deficiencies in Goods entered for Exportation
wit be charged with Duty unless fraululent.Wo thaty sball be charged in respect of any defieune in goods entered and clenred from the ruthonie for exportation unless the officers of estoms bare reasonable ground to suppose that
froch deficiency or any part thereof has arisen from illegral abstraction. (Sec. 112.)
As to the Exportation and Entry of Goodn, AND the Chearance of Silils fitom ritt: Untted Kisadom to Paits beyonil SEAs.
Warchousel Goods not to be exported in Ships of less than j0 Tons Burden, except to Guernsey or Jersey.-No person shall export any warelouscd foods, nor enter any suel goods for exportation trom the United Kingelom to parts leyond the seas, in any slifj of less burden than 50 tons, excent to the islands of Guernsey and Jersey in ships not being of less than 10 tons burden, regularly trading to thoso islands. (Sec. 117.)

Mrster to deliver Certificute of Clearance of last Voyuge, and to make Entry Ontuvards.-' 'he master of every ship in whieh any goods aro to bo exported from the United Kingrloin to parts beyond seas, or his agent, shall, betiore any goods bo taken on board, deliver to the collector or comptroller a certificate from the proner oflicer of the due clearance inwards or constwiso of such ship of her last voyage, and shall also deliver therewith an entry outwards of such ship, verified by his signature, in tho following form or to the shat effect, and containing the several particulars indicated or required thereby :-

ENTRY OUTWARDS.


wdif fed ship shall have commenced her lading | goods, British-wrought plate, goods subject to trme ohe: port, the master shall deliver to the arnher the clearance of such goods from such bep pot; sad if any gouds be taken on board pryip at any port before she shall have been ueal octmards st such port. (unless a stiffening
tur, rhea necessary, shall be issued by the meatifice to lsde any heuvy goods for exporin on board such ship), the master shall yat he suma of 1002 . (Scc. 118.)
Cond not to be shipped except on proper exays \(\downarrow\) Phes, nor until Entry and (learance.-No did halll be shipped, put off, or water-borne to lapped for exportstion, from any port or place the Caited Kingdom, except on days net being darsor holidays, nor from any place except eclegal quas, wharf, or other place duly aponled for sach purpose, nor without the prevor athority os the proper officer of customs, befor dve eatry outwards of such ship, and enity of sach goods, ner before such goods 4inare been duly clenrell for shipment ; and it Whe lawful for the searcher to open all packand fully to examine all goods shipped or wor shipment at any place in the United from. (Sec. 119.)
trifr Extry and Clearance of Goods for Exportation.
Entry Outcoards, Bond for due shipping and ins ihall be giren.-Before any warehoused
duties of customs, or entitled to any drawback of customs, on exportation, or exportable only under particular rules, regulations, or restrictions, shall be permitted to be exported, the exporter or his agent shalt deliver to the collector or comptroller a boad note or account of such goods, and give security by bond in double the amount of daty payable by law upon the importation of such g ©olls, with one sufficient surety, that such goods slall be duly shipped and exported, and shall be landel at the place for which they are entered outwards, or otherwise acccunted for to the satisfaction of the Commissioners of Customs ; and such bond note, when certified by the proper officer, shall be the export entry for such grods. (Sec. 120.)

Exporter to deliver Shipping Bill.一Before any such goods shall be shipped or water-borne to be shipped for exportation, the experter or his agent shall deliver to the searcher or other proper ollicer a Sitipping Bill of such goods in the form following or to that effect, and contalning the particulars indicated fherein or required thereby. (Sce. 121.)
Inlund Revenue Drawback.-No drawback of excise shall be allowell upon any goods cleared for exportation, unless the person intending to claim such drawback shall have given due notice to the officer of excise, ani shall have produced to the searcher, at the time of clearing such goods, a proper document under the hand of the officer of excise
(State on above dence thed tha Cloas to which the gouds to ba arported belong.)
\begin{tabular}{|c|c|c|c|}
\hline Shly's Name & Whether nritishor Forelun Alin' ; if forelgh, the Country & Master'c Namue & The Porl of Place of imentination \\
\hline \multicolumn{4}{|c|}{Ifere afthe the Particulors acrording fo the above Hendinga.} \\
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\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
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Total number of prackages
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I elaim drawback on \(\left\{\begin{array}{c}\text { Bliri otn } \\ \text { uf le } \\ \text { dron }\end{array}\right.\)
\end{tabular} & the guantity and dereription in mons of any gowid in rapect of Nowt ck is cturmed. \\
\hline Station of elearance. Dited & day of & & \begin{tabular}{l}
(Signed) \\
(Cousternigned]
\end{tabular} & Exporter ratral.
\(\qquad\) Searcher. \\
\hline
\end{tabular}
containing the description of such groods ; and if baceo on which the duty on importation shat such goods be found to correspond with the particulars of the goods contained in such document, and be duly slitipped and exported, the searcher shall, if required, certify such shipment upon such document, and shall transmit the same to the otlicer of excise. (Sec. 12\%)

Goods not entitled to Drawbach if of less Value than claimed.-No drawback shall be allowed upon the exportation of any goods entered for irawback or as stores which shipll be of less value than the amount of the drawback claimed; and all such goods so entered sliall be forfeited, and the person who caused such goods to be entered shall forfcit the sum of \(200 l_{\text {., }}\) or treble the amount of drawback clnimed in such case, at the election of the Commissioners of Customs. (Scc. 123.)

No Drawback on Tobacco not properly manufactured \&c.-No drawback shall be allowed on lave been paid, nor on any tobacco mixed dirt, rubbish, or other substance; and erery p son who shall enter or ship, or cnuse to entered or shipped, any tobnceo contrary bes to, shall, over and above all other penali which he may thereby incur, forfeit trebe t amount of tho drawback souglit to be obtive or 2001., at the election of the Commissioners Customs, and all such tobaceo shall be forfeito (Sec. 124.)

Shipping Bill for Free Goods \&sc, to be deiren to Scarcher.- Before any goods in rcspect of rhif no bond is required shall be shipled or whe borne to be shipped for exportation, the expor or his agent shail deliver to the searcher a st plog bill thereof, with such duplieates as mar required ly him, in the following form or to \(t\) muy tobneco not wholly mannfactured from to- cated in or required thereby:-

SIIPPING HILL FOR BAITISII MANUFACTURES OR FOREIGN GOODG FAEE OP DUTS.

and such shipping bill shall be the entry for the | terer, consignce, broker, agent, or othet perso goods contained therein ; providel, that at Liverpool, and (with the sanction of the Commissioners of Customs) at any other port where the docks, yuays, and wharfs are in like manner wholly or pirincipally under the control and management of one and the same corlorate body, the owner, char-
ing in the loading and clearance of the expn ship shall also prepare \& full and acenrate lis manifest of all such goods from the bills of wo and freight list thereof, and shall sign and lo with the collector of the customs, witbin 14 after such ship shall have cleared outrath
emmet tranes maaifest, dist. *reral shipp bills of lading list or manife transtript as al nome, broker, foritit the anm Shinping Bill ance for the \(G\) when billed up, anta it the cor be, in such msm quife and count the desraace for led if any of s gints of tobacen anmin to the 8 c tainig, the aumb ates and the t thewin, vilich, hall acompany hre and eflert as wing of this A Lent shall require \(d\) any other goot mandher aball, on i that purpose, certi porided alway? t? monied to le in uctined for the Zo tate, or ander the fate may be so (Sec 12. 5.5 Licened Lighterm mod ciamest fior drai Whl bearried or wat ey bibipto exportati mo duly licensell a meal Ighterman, e mary uber port at \(w\) bes lientree, or b dmply of such lig thonexito oce as su erim such ofence \(f\)

Martonas ér remo rnavelo or shipped made the care of the onsph manner, by cund ty such roads yexmit or direct, sil (in.
ria may be remitt madrayd in Rema d duly entered for deitremoral or ex vord by unarooidabl Cot lom the wareh econmissioners nf
ene theron. (Se
tomp Issoe or
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ringond passing \(D_{e}\)
papaing and paying Mrable unoud anying goo rporech a debentur wiry be prepared \(b\) benifying in the
ras fisch goods;
amet traneript of such lnst-mentloned llst or mavifect, distinguishing therein the names of the manereal hippers of such goorls, according to the bilis of lating; and on failure to prepare such lise manifest, and to sign and deliver such 2.4 or trusinpt as alores other person as aforesaid shall friet the sum of 201. (Sec. 125.)
Saipping Bill signed by Searcher to be the Clearsupt the Goods-'l'he shipping bill or bills rheo filled up, and signed by the exporter or his mant, of the consignec of the ship, as the case may he in wuch mamner as the proper officer may rehire countersigned by the sentcher, shall be th inance for all the groods enumerated therein ad if yny of such grods shall consist of ten rifte of blaceo, the exporter or his ngent sloall funith to the scarcher an nccount thereof, conthinin the number and description of the packass and the respective quantities contained anin, which, when certified by the searcher, sula acompany the shi \({ }_{c}\), nnd have the sanie foe midefiect as the cocket in use prior to the paing of this Act; and if tho exporter or his want hall require a similar certificate in respect dine other gools shipped for exportation, the karther shall, on its being presented to him for thas purpose, certily the same in like manner: provided alway, that if any such certitiente bo mequired to be in any particular form for groods wind for the Zollverein or any other foreign fate, or under the name of cocket, such certifate way be so prepared and denominated. Sec. 185.)
Licmud Lighterman to carry Goods.-If nny
adselemal fir drawbnck or from the warchouse pail be caried or water-borne to be put on board ay ship for exportation by any person not at the we duly licensel and anthorised to act as a Mued lighterman, either \(\ln\) the port of London wry other port at which lightermen are required be so licensed, or by any person not bcing in everploy of such lighterman at the time duly thoried to act as such, every such person shall eries such offence forfeit the sum of 20l. (Scc.

Frarhaned Goods shipped jor Exportation uithAutharity farfeitell.-Ir any goods taken from rarchose for removal or for exportation shall enored or shipped except with the authority der the care of the proper officer of customs in semb manner, by such persons, within auch and by such roads or ways as such officer Ipemit or direct, such goods shall be forfeited. +18.3)
Ution may be remitted un Warehoused Goods or derroyed in Removal or Shipment.-If any dail entered for delivery from the wareeforemorsl of exportation shall be lost or redly unavoidablo accident, either in the af from the warehouse or the shipping thereCommissioners of Customs may remit the *due thereon. (Sec, 129.)
maie Issue of Denentures for and ruest of Drawback on Goods exTib.
ringand passing Debenture.-For the purpose pouing and paying any drawback claimed crible upou any goods duly entered, shippeei, pooted, a debenture shall in due time after try be prepared by the collector or compcertifying in the first lastance the entry Th of such goods; and so soon as the same are been duly exported, and a notice conthe particulars of the goods shall have wireed by the expurter to the searcher, the
shipment and exportntion thereof shall be certified to the collector or comptruller upon such debent ture by the senteher, and the debenture shall thereupon be computed and passed with all convenient despatch. (Sec. 130.)
Declaration as to Exportation anl Right to Druwback. -The person entitled to any ilruwback on nuy gooms iluly exported, or his agent duly authorised by him for that purpose, shall make and subscribe a declarntion unon the delsenture that the goods nentioned therein have been actually exported, nid havo mot been relanded, and are not Intended to be relanded, in any part of the United Kinglom, and that such person at the timo of entry and shippine was and continued to be entitled to the drawback thereon; and the name of such person shall be stated in the debenture, which shall then bo delivered to such person or his agent; and the receipt of such person on the debenture, countersigned by the holder of such debenture, if the samo shall linve been transferred in the mean time, shall be the discharge for such drawback when prid. (Sec. 131.)

Payment within Two Years.-No debentura for any drawback nllowed upon the exportation of any goods shall be pald after the expiration of 2 years from the date of the shipment of such goods (Sec. 132.)

Warehouse or Debenture Goods not exported \$c. or relanded \&c., without Eintry, forfeited.-If any gools which have been cleared to bo exported fur any drawback shall not be duly exported to parts beyond the sens, or shall be unghipped or relanded in any part of the United Kingdom (such grods not being duly relanded or discharged as shortshipped under the care of the proper officers), or shall be carried to nny of the Chnnacl Islands (not having been duly enterel, cleared, and shipped to be exported or carried directly to such islnuds), the same shall be forfeited, together with any ship, boat, or craft which may have been used in so unshipping, relanding, landing, or carrying such goods from the ship in which the same were shipped for exportation ; the master of such ship, and any person by whom or by whose orders or means such goods shall hayic been so unshipped, relanded, landed, or carried, or who shall aid, assist, or be concerned therein, shall forfeit a sum equal to treble the value of such goods, or a penalty of 100l., at the election of the Commissioners of Cust. s. (Sec. 133.)
Druwbacks of Duties on Wine allowed for Officers in the Navy.-A drawback of the whole of the duties of customs shall be allowed for wine intended for the consumption of ofticers of her Majesty's nnvy on board such of her Majesty's ships in actual service as they shall servo in, not exceeding the quantities of wine in any one vear for the use of such officers hereinafter respectively mentioned, viz.

unless such wine be taken from the warehouse without payment of duty under such regulations as the Commissioners of Customs may direct: Provided always, that in cither case such wine be shipped at ports approved of by the said commissioners. (Sec. 134.)
Persons entering such Wine for Drawback to declare Name and Rank of Officer claiming ti.ie
same.-The person eutering such wine, and chamforg the drawback for the same, shall stato in the entry and declare on the debenture the name of tho officer for whose uso such whe is iotemidel, and of the ship in which ho serves; nut such wine shall be delivered into the charge of the ufficers of tho customs at the port of shipment, to be shipped under their eare; and the commanding ollicer for the time being of nuch shlp, having certified upon the debenture tho recept of such wine into his charge, nut the proper officer of the castoms wing certified to the shipment on the debencure, the same shall lie computed and passed, and be delivered to the person entitled to recelve the same. (Sec. 135.)

Officers leaving the Serviec scc., Wine permittcd to be transferred to witers.-It any such oflicer shall Ieave tho service, or le removed to another ship, the oflicers of the customs may permit the trunsfer of any such wine from one ofticer to another, as part of his proportion, whether on board the same ship or another, or the transhipment from one ship to another for the same otllecr, or the relanding and warchousing for futuro reshipment; aul the officers of enstoms at any port may receive back the duties for any such wine, and deliver tho same for homo usc; but if any of such whe bo not laden on board tho ship for which the same was intended, or be moladen from such ship vithout permission of the proper officers of customs, the same shall be forfuited. (Sec. 136.)

Pursers of Ships of War may Ship Tobacco for the Use of Crew free of Duty, on oiving Dיnd.The purser of any of. her Majesty's ships of war in actual service may enter and ship, at any port approved by the Commissioners of Customs, in the proportions hercinafter mentioncl, any tobaceo there warchoused in his name, or transferred into his name for tho use of the ship in which he shall serve, provided such purser shall deliver to the collector or comptroller of such port a certificate from the captain of such ship, stating the name of the purser, and tho number of men belonging to the ship, and also give bond, whth one suthicient surcty, in treblo the dutics payable on the tobacco, that no part thereof shall be relanded without leave of the officers of customs. (Sec. 137.)

I'urser removed from one Ship to another may tranship Tobacco, with Permission of Collector.It any purser be removed from one ship to another, the collector or comptroller of any port may permit the transhipment of the remains of any such tubacco for tho use of such other ship, apon duo entry of such tobacco by such purser, setting forth the time when and the port at which such tobacco was first shipped; and if nay such ship shall be paid off, the collector or comptroller of the port may permit the remains of any such tojacco to be landed, and to be entered by the purser of such ship, either for payment of dutics, or to be warchoused for the term of 6 months, for the supply of some other such ship, in like manner as any tobacco may be warehoused and supplied at any such port, or for payment of all duties within such 6 months; and all tobacco warehoused for the purpose of so supplying ships of war shall be subject to the provisions of any Act in force relating to the warehousing of tobacco generally, as far as the same are applicable, and are not expressly altered by any of the provisions herein particularly made. (Sec. 183.)
Limiting the Quantity of Tobacco.-No greater quantity of anch tobacco shall be allowed to any
shin of war than 2 lbs. by the hunar month firn each of the crew of such ship, hor shall any greater quantity le shipped at any une time than sulterime to serve the crew of such ship, for 6 monthe ater such rate of allowance; and the collector or eimpo troller of the port at or from which anf suen tobnceo shall be suppilied to any landed from any sheh ship to another, shall transmit a particolat
 in order that a genernl accomit may be kept of of the quantities supplied to and consumed on band euch of such ships uader the allowances bifire granted. (Sec, 139.)

As to the Shifing of Stones fun rie lise of Fomion-houxi, Vessels.
Vietualling Bill for Stores,-The mater if every ship of the burden of 50 tons or upards lleparting from any port in the Lnited Kinglon upon a voyage to parts beyond the seas, the duration of which out and home shall not be lees thas 40 clays, slinll, upon due appliention made by him and upon such torms and conditions as the cim missioners of Customs may direct, receire fum tho searcher na order for the shipment of wht stores as may be required and allowed by it eollector or comptroller for the use of such shing with reference to the number of the cres and rat seagers on board, and the probable duration it th voyage on which she is about to depart: and demands for such stores shall be made in sud form nad manner as such collector or cums troller slinll require, and shall be siga al by ti master or owner of the vessel ; and atter sux stores are duly shipped, the master or his ago shall mako out an account of the stores shipped, together with any other stotes ib alrendy on board, and the same, when precond to the searcher, signed by him, sud cunt signed by the collector or comptroller, shall the Victualing 1hle; and no atore sh be shipped for the use of any sidp, nor articles taken on board any ship be decmed be stores, cxcept such as shall be borne apons victualling bill. (Sec. 140.)

As to time Cleamance of Simps Octwaz
If Inuard Cargo reported for Exportation, \({ }^{(0)}\) of Report thereof to be delivered to the Seard -If thero be on board any ship agy goods, bed part of the inward cargo reported for espa tion in the same ship, the master shall, bo clearance outwards of such ship from any in the United Kingdom, deliver to the gear a copy of the report inwards of such \(\mathrm{g}^{x}\) certitied by the collector or comptroller; if such copy be found to correspond with goods so remaining on hoard, the scarchers sign the same, to be filed with the certify or cockets, if any, and victualling bill of the (Sec, 141.)

Before Clearance Master to delizer Conta Before any ship shall be cleared outtiands the United Kingdom with any goods shipp intended to be shipped on bosrd the same master shall deliver a content oi such ship ty searcher, in the forns or to the effect falloy and containing the several pruticulars thereil quired, as far as the same can be kaorn br and shall make and subscribe the declaviti the foot thereof, in the presence of the colled comptroller, and shsll answer such quetion shall be demanded of him concerning the the cargo, and the intended voyage, by sod lector or comptroller:-

\begin{tabular}{|c|c|c|}
\hline Harehowed tiocts & Drawback and resticteil (ivocls &  Fordgn Guals not for lir.awback \\
\hline Ifow, dith Narkequd Numbers of tackiogth. & If any, ofut, Descitytian of Packarea. & Uf any, sfate 'Sundry Packates contalning,' rither thast wit the Case mays be. \\
\hline \multicolumn{3}{|l|}{} \\
\hline catel & \begin{tabular}{l}
-. Examined \\
(Signed)
\end{tabular} & searcher. \\
\hline
\end{tabular}
orien mill other par iculars.
(tyignel)
Sipmind dexlared, thing \(\qquad\) day of \(\qquad\) Confore me
Sismed)
allector or Comptroller.
anlewnecianance the ecrtificates, if any, shall be direred to the searcher, who shall compare the shipring bills with the content and certificates, it arr, und file such certificates, cupy of report inwhisians, of cools reported for exportation in whe slip. ald the victualling bill, with a label rasked and sealed thereto, in the form or to the frete whloring:-

\section*{Number of Certificates (Number in Figures). \\ slup (Name of Ship).}
uat Carasere.)
dache (Name of Muater:
d (Giarasce.) \(\qquad\) Searcher.
Videct habed when filled up and signed by the tunbe und the collector, shall, as to the goorls mnied therein, be the clearance and authority trte departure of the slip. (Sec. 142.)
Gxad on board to correspond with Content.my gxdis liable to duty on importation, or ven tom the warehouse to be exported, or enFant to draxbeck on exportation, or exported detond, which are enumerated in the content ary hip, shall not be duly shipped before the ratiure of sueh ship, or slaill not be duly certiby the proper officer as short-shippedt, such Nd thall be forfeited; or if any such goods shall tukeaon board such ship, not being enumerated mad coutent, the master of such ship shall fory.the tum of 56 . in respect of every package of dgoods; and if any goods duly shipped on ers med ship shall be unshipped, or landed at tober place then that for which they shall Theea cleared, unless otherwise accounted for fle matisaction of the Commissioners of CusM He master of snch ship shall forfeit a sum Nit treble the ralue of the goods so landed. th3 Yict. . . 82 s. 12.)
bimd dipped contrary to Provisions forfeited. tuy goods shall be shipped, put off, or waterte to be shipped, without being duly cleared, vamise contrary to the provisions of this Act, sume shall be liable to forfeiture. ( \(16 \& 17\) 4. 1078 \& 144)

Ships leaving in Dallast.-1 lefore any ship shall depart in ballast from the United Kingdom for parts beyond the seas, not having any goods on board exeept stores from the warelionso borne upon the vietualling bill of such ship, nor any goods reported inwards for exportation in such slip, the collector or comptroller shall clear such ship in ballast by notifying such clearavee and the date thereof on the vietualling bill, and deliver the same to the master of such ship as the clearance thereof; amd the master of such shlp shall answer to the collector or comptroller such questions touching her departure and destination as slall be demanded of him; and ships having only passengers with their baggage on board, and ships Inden only with chalk or slate, shall be deened to be in ballast; and if any such ship, whether laden or in ballast, shall depart without being so cleared, if she lave any such stures on board, the master shall forfeit and pay the sum of 100l. (Sec. 146.)

\section*{As to the Roarding of Ships after Clearance Outwabis.}

Officers may board any Ship after Clearance.Any officers of customs may fo on board any ship after clearance outwards within the limits of any port in the United Kingdom, or within 4 leagues of the coast thereof, and may demand the ship's clearance; and if there be any goods on board in respect of which certificates are required, not contained in such certificates, or any stores not endorsed on the victualling bill, such goods or stores shall be forfeited; and if any goods contained in such certificates be not on board, the master shall forfeit the sum of 201 . 1 or every package or parcel of goods contained in such certificates. and not on board. (See. 146.)
If Officers put Seals upon Stores, and such Seals be broken, Master to forfeit 201., If any officer of customs slall place any lock, mark, or seal upon any goods taken from the warehouse without payment of duty as stores on board any
whip or yessel departing from any port in the Unitert Kinglom, nid such lock, mark, or seal be wilfully opened, altered, or liroken, or if any mech atores he secretly conveyed away, cither while such ship or vessel remains at her tlest port of cleynarture, or at any other port or place in the Unlted Kinglom, or on her passage from one such jort or place to another, befire the thal departure of such slip or vessel on her fureign voyage, the mavter slialı furfeit the sum of 201 . (See. 147.)

Ships not liringing-to at Stationn, Penalty :00. If nuys ship, degarthig from any port in tho United Kingilom slall not bring-to at such stations as slatil te appointell by the Commis sterers of Customes for the lauding of othicers from sach ships, ot for further examination previnus to such departure, the manster of aucia shijp shall furfeit the sum of 200 (sec. 1-18.)
Time of' Exportation and Departure defned.The time at which any gools shall be shippell on buard any export ship shall he deemed to be the time of exportation of such goods, and the time of the laxt elvarance of any ships shall be deemed to be the time of departuro of such slip. (Sec. 149.)
Goocks P'rohibieed by Proclamution.-The foliowing guouls mar, by proclamation or order in council, be prohibited either to le exported or carried coastwise: arms, ammunition, and gumpowler, military and naval stores, and any artieles which her Majeesty shall juclge capable in being converted into or made useful in increasing the quantity of military or naval stores, provisions, or any sort of vietual which may be used as fooll ly man; and if any gools so prohibited slall be exported from the United Kingiom or carried coantwise, or be water-borne to be so exported or carried, they shall be forfeitell. (Sec. 150.)
(Then follow the clanses in regard to the Constina Thade. Colonial Thade, nid snugalina.)
The following provisions are contained th the Customs Tariff Amendenent Act, 23 Vict. c. 22, as to importation and exportation:-
Sce. 16. There shall be elarged, irrespective of any duties of customs or other rates or charges payalile by law, upon the importat on of all goods into Great Britain nod Ircland, except cort, grain, nul thour, and timber aud wood goorls, and grools in transit exported under bond, and goods imported for exportation in the same slip, provided they be to reporied, the respective rates and charges following, that is to say:
 Goount In thulk hy welyht or messure or number, fis sach unit of 0 I nimals ie
And there shall be charged upon efery customi hinit ar lading on \({ }^{-0}\)
the exportation is any goods from Gifeat :Iruisn ant Irelanil 16
Sec. 18. It shall be lawful for the Lords of the Treasury, or the Commissioners of Customs, to tix or adjust the number or quantity of goods which slanll constitute the unit of entry chargeable with the rate of \(1 d\). , having regard to the value of the goods, and from time to time to alter and vary the same as they may sce fit, so that the said rate of 1d. shall exceed as little as may be in their judgment js. for every 1001. sterling upon the lowest ordinary value of the article to which such charge atraches.

By the 19th section the rates are to be paid by aillicsive stamps. The penalty on importing freo foosls without giving true particulars is by Sce. 20 tixed at 40 s. The bill of latiog, which is defined in Sec. 21, is io be decmed the entry outwards of free goods, but must not include more than one consignment. Neglect in fulfilling all the conditions specificd in this section involres a penalty of
51. and treble stamp lints. "Customa bills rif lading "must be delivered within \(2 t\) hous aftre the thal clearance, except under certain cincum. stances, of which norification must be given within 24 hours; but the apecificatlon of the gowis min. talned mint the deli vered six days after such nutice under a penalty of 40 s .
Exportert shipping without Custuma bili of lating are liable (sce. 25) to a pemalty of :lyt.
The inastey or owner of any khip in which gook ure shipped fur exportation inust doliver a manjest inly attested by declaration. l'enaliy \(2 y_{0}\)
Customs bills of luillig \&c. required to be usel as evidence in courts of law are liable to fers of inspectlon-1s. for each inspection, and 2s. ©d, fus cach 1,080 worila of a certitied copy.

No customs bill of ladiur shail
No customs bill of lading shall be ralid with. out a stamp of the value of 1 s , Gil., Hor any other bill of lailing be valid without the stame of od thereon, already imposed by law. D'enaly the,
The Cummissioners of Customs, acreeably to the powers given them to that effect liy the furegoio; statuto anil others, have appointed tho undes. mentioned [laces, within the several ports of the United Kingrom, at which vessels coming into of departing out of such ports shail bring-to, for the boarillng or landing of customs' oflicers.
The following clanse in the Act 16 \& \(1 ;\) Yict. c. 107 lus reference to this matter:-If any ahin coming luto the Uulted Klugdom or into the Channel Islands shall not come as quickly up to tho proper place of mooring or unlading as the nature of the port will allait, without touching at any other place, and in proceeding to such pro per place shall not bring-to at the stations ip pointell by the Commissioners of Customs for the boarding of ships by the ollicers of customs, or after arrival at such place auch ship shall remor from such place, except directly to sume obs proper place of mooring or unlading, athl with the knowledge of the proper ofticer of the custom, if the master of any ship on board of which anf officer is stationed neglect or refuse to porij every such officer sufficient room under the dey in some part. of the forcenstle or stecrage bo ho bed or hammock, the master of such vessel tha forfeit the sum of \(20 l\). (Scc. 47. )

Ports.
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Aberdor
Arundsa.

Chichealer
 Bignimante
Amlinth Aminrit
Connuty
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Blawics
 Himrors
spaldint Bridomivatse

Minehead.
nitapouc.
nniopoke
Maretorif \(^{\text {CAkDIf: }}\)
Cabozonk -

Pwilhely -
Barmouth

Chatrak
CoLchustan
Cowso (EAAT)

ENCLAND.


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\hline & \\
\hline \multirow[t]{2}{*}{Tuber mery} & Tlie hay in T Tintermory, iging and heing whit In feeldag loint to the manthenna. Portmore Point to the north-wet, hat thu ste of \\
\hline & \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{\begin{tabular}{l}
Ardria naly and Laxh. linchgilphusd thouds, st the east end of the \\
\(\alpha\) MpActd - I'rinnn cianst, lying anil heing whith Ardriahaig Point, on the weinth side of
\end{tabular}}} \\
\hline & \\
\hline \multicolumn{2}{|l|}{} \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Currutame : The}} \\
\hline & \\
\hline \multicolumn{2}{|l|}{} \\
\hline \multicolumn{2}{|l|}{} \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Duxvă \({ }^{\text {a }}\) -}} \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Hinamow - - The lial ef the Dank within the gort of}} \\
\hline & \\
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\hline \multicolumn{2}{|l|}{\multirow[t]{4}{*}{\begin{tabular}{l}
Gasuxuca: - Firmn Ciravel Point to the esatuant of the trewn of Direenmik in the county of lect. prowi to Kompok point, iwink the therin \\
 rock has.
\end{tabular}}} \\
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Rothracy - - Morhmay fiay, lying and belng wibin Royngy
 In the live of lume, tounty of hute, and
A rilinalish folnt on the west of the suld The hartrur.


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Kinkatiny:
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Mantic
\(\substack{\text { Leven } \\ \text { Lurko }}\)

The hariour.
Fitrance of the harbour.
Kírlaldy Bay.
: \({ }^{\prime}\) Iargo Bay.
- The Hay or Kirk will linald, extenting along The baach, in a north-eant diverition to Quarty It oling anal in in waterly direetion to directlon to the Fregal Quays.
 - In the harbour.

Arhroalh.
Pamrin:
Patannand
Nroanaway
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Wrix
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Caroline Roado, if mile
* The Tail of the Bank whann the port of The harbour.
- The haribour.
- Whetr Aay, when alireest or within the heud.
landicalled tine i)d Man of Wlek
- Ray or liarlour of Wigtown.
- TThele res
\}Thele serpective harbours.
1REL.AND.
Barpan

Conk (Cove)
Nineal
IT the bay; wichin \(\frac{1}{2}\) mile of St. I*ex jifir.
At the entrance of the harbour, nest the
Insthe hoove on the South wlex.
- Briton hroury, new the entrance of Neath At tiver. Point.
- Hervern the eotrance of the barbour and Wellh Quatr.
Weynounce floads. - Weynovith foads.
- To harbour.
- At the light houres sbout 3 miles below the
- At the light howion about 3 miles below the
- Bution at sotuon Whah.

Dawney Yetry, the entrance
- Yamouth Roads, hetween Nelson's Monumint and the haventic mount monu: the
liruhl, \(A\) shori shitance within the haven's mouth, at the S.E. anklo of the river.


In-Acoust of the Real or Declared Value of the various Articles of the Munufaeture and Prodre of the United Kingdum Exported to Foreign Countrics during each of the 5 Years ending with 1866, speeifying the Countries to which they were Exported, and the Value of thosc Annually Shipped for each; and showing also the Average Amount of Exports duriug the said \(\bar{j}\) Years to eaeh Country and to each of the 5 great Divisions of the Globe; and the suiderage Proportion Exported to each, supposing the whole Exports to be 1,000.

of it may be some of the s from England as stated abosh ire value of the \(y\) as been an extin material, and sh ovements the \(m\) da a reduction to ng rom the the leading Wharin alse taken place in the prime cost, that besides the grenter quantities of other articles, aequently also in the price, of must of the we have imported in the intervening period uppul articles of import, we obtain at this a mich larger quantity of the produce rcountries in exchange for the articles тएe mad than st sny foniuer period. The fall an particularly sensible in the great nrticles ooa and shece's wool. corn, sugnr, indigo, te. The imports of all sorts of foreign ndiee hare been increasing rapidly since the cost of the goods has fallen in an equal degree, wards of \(100,000,0001\). of gold and silver for curreney only. The truth is, therefore, that instend of the decline in the real value of some of our exports having been in any degree prejudicial, it has been in all respects distinctly and completely the reverse. It has insured for our roods

III.-An Account of the Value of the Imports into, and of the Exports from, the Cnited Kingloms during each of the undernentioned Years from 1798 to 1857, both inclusive, calculated ut the
Official Rates of Valuation, and distinguivhing the Amount of the Produce and Manufacture of the United Ningdom Exported from the Value of the Foreign and Colonial Merchandise Exported; exhibiting also the Real or Declared Value of the Produce and Manufuctures of the United Kixijdom annually Exported therefrom for the same Period and for \(186{ }^{\circ}\).
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Year} & \multirow[t]{2}{*}{Value of Importa Into the United Kingdom, at the Oiliciationates
of Valuation} & \multicolumn{3}{|l|}{Value of Espora from the United Kinglom, at the Officlal Raten
of Valuation} & \multirow[t]{2}{*}{i alue of lrodece an Hianutacrian of Cniter Kingeten Expored, cconime threnof} \\
\hline & & Produce and Manufactures of Unital Klngern & Foretion and Colonial Merchandise & Total Exports & \\
\hline & 27,8,57.889 & \[
19,672,503
\] & \({ }_{13,919,27.3}\) & 38, \({ }^{\frac{8}{6} 1,778}\) & \\
\hline 1798 & 27,8,57.889 &  &  &  &  \\
\hline cill &  &  & 7,613,140 &  & 䢒 \\
\hline 1810 &  & 41,712,002 &  &  &  \\
\hline \({ }^{1816}\) &  &  & (13,411,663 &  & \% \\
\hline \begin{tabular}{l}
1817 \\
\(18!8\) \\
\hline
\end{tabular} & - \(35,910,543,302\) & - & 10,86,4719 &  & (4), \\
\hline 1819 & \%9,681, 6.10 & 38,983,6999 &  &  & Si, 3 , \(4,2,241\) \\
\hline 1840 &  & 40,191,683 & 10,60, 1 & 40,740, 7719 &  \\
\hline 3, 384 &  & 44,212.338 & 9,247, 567 & S3,470,999 &  \\
\hline 1823
1841 & - \(37,764,789\) & 48,750467 & \(10,204,785\) & Sk, & 3, \\
\hline (1825 &  & \(47,50,690\)
\(40,96,736\) &  &  &  \\
\hline (1846 & 34,908, 73 &  &  &  &  \\
\hline - 38.24 & -45, 657 & come &  & ¢6\%,734,63\% & \({ }^{3}\) \\
\hline 1830 & 46,300,473 & 61,132734 & 8,54, 59 & 69,700, is & 3, 3 3, \\
\hline 1831 & 49,727, 848 &  & 10,743, 18.180 & 71,431,490 & 37,610, \({ }^{\text {a }}\) \\
\hline  &  & 699,987357 & 9,83, 753 & \% \(9,8.41,111\) & \({ }^{36,14,5649}\) \\
\hline 1878 & 49,36, 4 & 73,43,331 & 11, \({ }^{1}\) & 8. & 41, 41,191 \\
\hline 1835
18.76 & - \(49,029,334\) & - & - &  &  \\
\hline (18, &  &  & 13, \({ }^{13,753,497}\) & 8, 8 8,779,368 & 4t, \\
\hline \(\underset{1839}{ }\) & \({ }_{6} 6\) & 97, 3944,666 & 32,795,990 & - & Sill \\
\hline 1850 &  &  & - \(23,774,165\) & 1164,41, & S1, 106,130 \\
\hline 1841 &  & 100, 5 St, 380 & 13,596,442 & 115, 41 M, \({ }^{\text {a }}\) & 31,4,683 \\
\hline 1813 &  &  & 13, \({ }^{14,3969,477}\) & 131,482,947 &  \\
\hline 1814
1845 & 75,49,350 & 12, \({ }^{1}\) & 16,779718 & 150, 77. &  \\
\hline \({ }_{3846}\) & 75,93, \({ }^{\text {cose }}\) &  & 15,296,168 & T48,699, 13 \% & \%Mif \\
\hline \begin{tabular}{l}
1817 \\
1818 \\
\hline 188
\end{tabular} & 90,921,866 &  & - & (146,17\%, & Shasiz,i] \\
\hline 18989 & 105, 74.607 & (16, \({ }^{6} 5\) & 25,56, & 190, 1010909 & 63,95; \\
\hline (1s.50 &  &  &  & 197,309, \({ }^{\text {a }}\) & 11, \\
\hline (1831 &  & 196, 1966.6150 & - 273,39290099 & 219,345,699 & \%8,49\% \\
\hline 1483 &  &  & 很 &  & 9x, 9 \\
\hline 1894 & 117, 88, \({ }^{\text {a }}\) & \% \(2466980 \times 762\) &  & \%3, &  \\
\hline 1835
347 & -136,915,849 & \% \(238,30,30,633\) & 33, 31973,7818 & \% \(2810,949,397\) &  \\
\hline -1867 & & & & &  \\
\hline
\end{tabular}

IV,-Account of the Computed Real Values of the Principal Articles Impoited into the line Kingdom in each of the 3 Years ending with 1867.

\begin{tabular}{|c|c|}
\hline 1865 & \\
\hline 2 & \\
\hline 4,401,482 & \\
\hline 1,757,866 & \\
\hline 4,13,3,103 & \\
\hline 421,461 & \\
\hline \({ }^{4290,0 \times 3.5}\) & \\
\hline 359,016
324,317 & \\
\hline 5, \(4.45 \mathrm{c}, \mathrm{M} 4\) & 5 \\
\hline 5,5,31,539 & \\
\hline 2,463,249 & \\
\hline 473,733 & \\
\hline 240, 447 & \\
\hline 3,848,465 & \\
\hline -754,044 & \\
\hline 4,600,887 & \\
\hline \%,699,064 & \\
\hline 1,986,553 & 1 \\
\hline 9,775,61/ & \\
\hline 2,521,668 & \\
\hline 2,771,133 & 3 \\
\hline 8,431,396 & \\
\hline 791,249 & 1 \\
\hline 2,682,883 & 3 \\
\hline 4,16.3 & \\
\hline 40,721,115 & 30 \\
\hline 66,032,193 & 77 \\
\hline 455,668 & \\
\hline 375,345 & \\
\hline 431.997 & \\
\hline 2,013,9900 & \\
\hline 203,061
898,093 & \\
\hline 1919,407 & \\
\hline 320,160 & \\
\hline
\end{tabular}



\section*{ \\ }

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\hline 370 \\
\hline 80 \\
\hline \multirow[t]{2}{*}{620} \\
\hline \\
\hline 85 \\
\hline 219 \\
\hline \multirow[t]{2}{*}{\[
\frac{1}{1,59}
\]} \\
\hline \\
\hline 3,073 \\
\hline 3M4 \\
\hline \multirow[t]{2}{*}{670
998} \\
\hline \\
\hline 1,111 \\
\hline \({ }_{39}\) \\
\hline \multirow[t]{2}{*}{289} \\
\hline \\
\hline \[
\begin{aligned}
& 576 \\
& 163
\end{aligned}
\] \\
\hline \\
\hline \({ }_{1} 23\) \\
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\hline 6813, \\
\hline 985 \\
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Couputed Meal Values of Principal Imports into the United Kingdom \＆ 8 c．－continued．
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Aricie & 863 & 1866 & 186 & Ast & 186.5 & 1866 & 867 \\
\hline \multirow[t]{8}{*}{\begin{tabular}{l}
（mbithipt－ \\
SN，fur \\
5：Y Y mubrataret： \\
Wi Euthe，Hroad stofis Nubloms Wher manufac－ tures－ \\
toul of ith manufac． dEarope
\end{tabular}} & & & & & & \(\boldsymbol{L}\) & \\
\hline & 10，181 & 213 & 7，536，452 & d & 3，143，24 & 3，01\％，\({ }^{1}\) & 2，119，\({ }^{2,51}\) \\
\hline & 127，16．5 & 1，38，3．38 & 439，967 & & 10，013，462 & 11，208，815 & 10，06ip 415 \\
\hline & & & & & & & \\
\hline & \[
\begin{aligned}
& 4,99,70 \\
& y, 310,75
\end{aligned}
\] & \[
\begin{aligned}
& 6,226,954 \\
& y, 42,403
\end{aligned}
\] & & －or & 322，986 & 443，335 & 360，320 \\
\hline & 1，075，26 & 879，2．59 & 9．00，371 & Timber and wool： & & & \\
\hline & 8．335，417 & 0，512，618 & 8，984，473 & Jinitith J＇owes． & 99，647 & 3 & \＄91 \\
\hline & － & & & sions & 2，041，382 & 939，738 & 6．31，515 \\
\hline \multirow[t]{3}{*}{} & 63,396 & 47，00 & & Total of timber，not anwn or aplit & 1，911，0\％9 & 4，171，271 & 3，423，2．66 \\
\hline & & 275，5 & 165 & & & & \\
\hline & 242，813 & 320， & 503，510 & relum lountries． & 259，712 & 006，658 & 81 \\
\hline \[
1 \text { moned, tawed, }
\] & & \[
\begin{aligned}
& \text { P8,84 } \\
& 39,35
\end{aligned}
\] & \[
\begin{array}{r}
145,74 \\
50,01
\end{array}
\] & dona & 2，310， 219 & 9，220，863＊ & 969，78．3 \\
\hline Limb, andredud taved; & 3，812 & 3，294 & 9，00 & Total of timbery：sawn or
apile & 6， 359,93 & 6，287，323 & 004，666 \\
\hline Sad，the the hivir，voo drued & & & 174，993 & （1） & 649,275 & & \\
\hline Cant，andrever & 99，036 & 113, & 98， & Sisves & \[
\begin{aligned}
& 640,1 \mathrm{ion} \\
& 507,220
\end{aligned}
\] & \[
\begin{aligned}
& 931,818 \\
& 547,936
\end{aligned}
\] & \[
\begin{aligned}
& 6 \text { Noti, } 1.7 \% \\
& 4 \times 0,858
\end{aligned}
\] \\
\hline \multirow[t]{2}{*}{} & & 29 & 239 & Tin in blocka，lagota， bars，or slabs & & & \\
\hline & \({ }_{4}^{4} 3\). & 12 & －73，694 & Tobacco，manafact & & & \\
\hline （innmoa & & \(18, \times 4\)
31,7 & 13，69 & Unmar andiciured & & & 33，370 \\
\hline Sypmer & & & & Wine－ & 3，419； & & 1，841，912 \\
\hline \({ }^{\text {Peppor }}\) & & 691，415 & \(69 \%\) & ool，She & & & \\
\hline \multirow[t]{3}{*}{\begin{tabular}{l}
laber Poreiun and \\
 Sre，minined and candy
\end{tabular}} & 833 & 10 & 5， 6 & \[
\begin{aligned}
& \text { Mnciuaing } \\
& \text { !lama wool) }
\end{aligned}
\] & 14，030，4：30 & 17，450，871 & 16，178，031 \\
\hline & & 10 k & & Woollen rags，forn up
to be used as mool & & & \\
\hline & 1，472，691 & 1， 1224.92 & 1，517，066 & Woollen tasmufactures & & & 79 \\
\hline \multirow[t]{3}{*}{Av，foffion Dritish Peneions Paxpliountries 7ralingratinw，－} & & & & \(\mathrm{l}^{\text {notast，made }}\) dried & \(\begin{array}{r}1,764,758 \\ 43 \\ \hline 32,228\end{array}\) & 1，899，673 & \(2,299,917\)
434,716 \\
\hline & \[
\begin{aligned}
& 3,6,59,174 \\
& 5,563,450 \\
& \hline
\end{aligned}
\] & 4， 111,151 & 6，420，3i4 & All oiher ariciea & 25，874，460 & 29．735，311 & 25， 517,916 \\
\hline &  & 11，795，115 & 11，501，961 & Total & 271，072，283． & 493，290， 274 & 275，219，853 \\
\hline
\end{tabular}
T－－Amontof the Quantities of the Principal Articless of Foreign and Colonial Mcrchandise Imported into the United Kingdom in 1862－6．
\begin{tabular}{|c|c|c|c|c|}
\hline 1868 & 1863 & 1464 & 1863 & 1866 \\
\hline 161，113 & 176，334 & 176，327 & 13，779 & 101，073 \\
\hline 18，880 & 23,160
1,441 & 30,240
1,357 & 35，266 & 13，666 \\
\hline 1，978 & & & & 1，646 \\
\hline 07，887 & 150，898 & 231，333 & 283，271 & 237，753 \\
\hline 239，474 & 4．10，7\％8 & 496，243 & 914，170 & －90，880 \\
\hline 13，940 & 17，491 & 14.398 & E0，（8）4 & 18，230 \\
\hline 11，378 & 15， 119 & 16，400 & \({ }^{333724}\) & 31，900 \\
\hline 1，135，453 & 1，631，641 & 898，6317 & 661， 8.54 & 3ixiziz \\
\hline \＄10， 211 & 426，132 & 174，760 & 91，\({ }^{1+1}\) & 57，510 \\
\hline \％91，39，3 & 326，199 & 341，166 & 430，810 & 3410，103 \\
\hline 17，833 & \(2.3,589\) & 20.383 & 15，511 & 13，797 \\
\hline 2，441，971 & 2， 606,193 & 3，127，611 &  & 3，438，587 \\
\hline 1 199 761 & Y 781819 & 346,821 & 24，3，31 & 2．3， 948 \\
\hline 67,434 & 77，191 & 6s， 870 & 71，304 & \(8(1), 316\) \\
\hline 7，171 & 6924 & 8,019 & \({ }^{8,846}\) & 8，789 \\
\hline 36，04＂ & 30，021 & 19，667 & 20，687 & 28，4．30 \\
\hline 1，067，387 & 847,782 & 793，702 & 981，106 & 1，237，166 \\
\hline 2， 718,413 & 2，317，183 & 2，316，135 & 2，566，134 & 2，67M， 36.3 \\
\hline 1，037431 & －986，708 & 1，1154，517 & 1，043，717 & 1，165，0011 \\
\hline \(11,850, y 61\)
\(5,45.3\) & 15，544，1777 & 14，412，311 & 11，082，747 & \(13,083,619\)
7,466 \\
\hline 13， \(1(14)\) & 3，N4． & 48，49\％ & 41，603 & 63，0130 \\
\hline 39，703 & （6，5，549 & 71，077 & 71，392 & 74，176 \\
\hline 719.974 & 754．614 & \(680,5.19\) & 888,689 & 769，249 \\
\hline 703，909 & 736.485 & 834884 & 853，277 & 878.342 \\
\hline 45，363 & 131，1788 & 136，27\％ & 95，103 & 203，763 \\
\hline 15，341 & 13，230 & 80．\％7\％ & 18，703 & 18，234 \\
\hline 967， 463
\(161,5: 8\) & 314,201
160,645 & 313，982 & 231,356
14370 & \(2,54,334\)
171,015 \\
\hline 161，5：8 & 160，643 & 133，733 & 13，770 & 171，013 \\
\hline 9， \(\begin{array}{r}24,394 \\ 9,914,018\end{array}\) & 97， \(\begin{array}{r}\text { 97，699 }\end{array}\) & \％ \(\begin{array}{r}94,239\end{array}\) & 7， \(\begin{array}{r}96,910 \\ \hline 64,982\end{array}\) & \[
\begin{array}{r}
32,731 \\
10,30 \mathrm{P}, 29 \mathrm{~s}
\end{array}
\] \\
\hline 91， 111,883 & \(117,354,217\) & 105，477，302 & 137，907，431 & 127，011，510 \\
\hline \[
\begin{array}{r}
90,123 \\
117,438
\end{array}
\] & \[
\begin{aligned}
& 118,501 \\
& 104,099
\end{aligned}
\] & \[
\begin{array}{r}
118,740 \\
93,304
\end{array}
\] & \[
\begin{aligned}
& 123,678 \\
& 124,418
\end{aligned}
\] & \[
\begin{aligned}
& 151,920 \\
& 129,5 \div 7
\end{aligned}
\] \\
\hline 13，739 & 12，783 & 2．5，437 & 24，8．58 & 21，679 \\
\hline 4，993 & 4， 483 & 1312，214 & 6，6，1113 & 6，241 \\
\hline 1，265，949 & 1，437，\({ }^{3176}\) & 1，311，723 & 2，012，478 & 2，684，128 \\
\hline 11，033，303 & 24，364，171 & 43，196，714 & 20，964，984 & 2．3，136，349 \\
\hline ＜25，842，735 & 50，2．32，971 & 19，300，277 & 24，6：0，550 & 34，733，9．5 \\
\hline 7，207，112 & 3， 218,976 & 4，512，\({ }^{\text {a }}\) ， 176 & 3，904，474 & \＄，978，480 \\
\hline 17，9，35 & 14，814 & －7，176 & 11，2012 & 70，841 \\
\hline 4，678， 333 & 3，978，42\％ & 7，073，933 & 8，731，949 & 12，293，903 \\
\hline 1，246，748 & 873，359 & 3，941，754 & 8， \(86.3,880\) & 3，939，325 \\
\hline 377，606 & 1，6u6，655 & 3，117，764 & 2，130，328 & 3，213，764 \\
\hline 327．582 & 217，3：7 & 5．5，391 & 65，770 & 83，997 \\
\hline 4741，323 & Cu47，400 & ＜813，0）\({ }^{\text {a }}\) & 8126，40\％ & ＜1，070，519 \\
\hline －6，383 & 26，011 & 49，137 & 49，165 & 65，272 \\
\hline 1，936，010 & 2，229，411 & 2，791，732 & 3，033，411 & 3，657，321 \\
\hline 23．5，182 & 264，693 & 251，29．9 & ¢58，085 & 275，323 \\
\hline 7，174 & 7，351 & N，786 & 13，193 & 12，770 \\
\hline 23，112 & 24，560 & 42，433 & 37， \(\mathrm{Sl}_{11}\) & 12，506 \\
\hline 302，321 & 218，1199 & 420，784 & 485，460 & 306，714 \\
\hline 1，798，35］ & 1，4，48，964 & 1，884，947 & 1，991，132 & － 5178 \\
\hline 2，351，404 & 4308，294 & 2307，798 & 2499，197 & C293，306 \\
\hline 4，645 & 43，676 & 42，549 & 41，114 & 4 \(\mathbf{S}_{7} 710\) \\
\hline
\end{tabular}

Quantities of Foraign and Colonial Merchandise Imported into the United Kingdom－continuel，
\begin{tabular}{|c|c|c|c|c|c|}
\hline Articles & 1862 & 1863 & 1861 & 186.5 & \\
\hline Fruit s spples，raw－bush． & 1，156，583 & 1，261，207 & 802,681 & 315，737 & \\
\hline  & 873.589 & 929．112 & 764,192
\(\times 2.200\) & 937， 231 & 297， 28 \\
\hline  & 2\％9， 213 &  & 908，207 & 87，9\％ & \％3， \\
\hline oranges and lemons－－uts & 1，205，479 & 1，316， \(3 \times 5\) & 1，276， 2,43 & 1 ， 5 ffi，\({ }^{2,16}\) & （4xy， \\
\hline  & 274，750 & 421，796 & 372，01 & 1． \(36 \times 1\) ，thi & 1，11，95\％ \\
\hline  & 190，659 & 265，537 & 357， 305 & 223，915 &  \\
\hline calunet wrre－－value & ¢77，900 & C81，609 & C119，350 & c128，935 & ， \\
\hline  & & & & 128，323 & 603， 850 \\
\hline  & 6，309 & 8，865 & 7，998 & 15，961 & \\
\hline Glass of all kinds fexcept bottirs of green or common glass） & 202，620 & 250，269 & 327，133 & & 1－， 313 \\
\hline  & 216，3，58 & 3x， 3 ， 3 ， & 2ar，26ib & \％6，07f & 34，99\％ \\
\hline  & 111， \(1: 36\) & 233.538 & 131，354 & 237，393 & 4r．as \\
\hline －（ium ：animl and coyal \({ }_{\text {A }}\) & 11，654 & 14，1188 & 11，050 & 11,512 & 13，69\％ \\
\hline \(\begin{aligned} & \text { Aralio } \\ & \text { lacdice }\end{aligned} \quad: \quad: \quad: "\) & 57,230 & 70,903 & 19，312 & 46，03\％ & 1， 1,974 \\
\hline  & 9.131 & 11，191 & 12,156 & 11，673 &  \\
\hline  & 31，510 & 35，138 & \({ }^{40,071}\) & 46,362 &  \\
\hline \(\begin{gathered}\text { of other sorta } \\ \text { Gutta percha，raw }\end{gathered} \quad: \quad \stackrel{n}{ }\) & 51，113 & 48，846 & 74，510 & 57.10 & Tilt \\
\hline Gutta percha，raw \({ }^{\text {－}}\) & 15，284 & 21,635 & 3， 3,634 & 49，0\％7 &  \\
\hline lialr：cow，ox，bult，or elk ：ibs & \({ }_{4}^{50,3 \% 5}\) & 33，\({ }^{4} 1\) & 6，3，31 & 53， 37.3 &  \\
\hline  & \(4,017,870\)
17,478 & 3，131，705 & 4，7374300 17.713 & 5，412，615 &  \\
\hline horwehair \({ }_{\text {manufactures }}\) of hair and of \({ }^{-c w t s}\) & & & & 21，0is &  \\
\hline Hats of felt wool \(\quad\) worlue & ＜397，454 & C281，577 & £ 211,293 & £213，60G & \\
\hline  & 1345868 & 151，278 & 139，1033 & 119，7\％ &  \\
\hline Ilats and bonnets of straw－ & 981，009 & （ \(\begin{array}{r}63,198 \\ 1,024,462\end{array}\) &  & （1，1，814 & \％ix， \\
\hline Jute，raw（not diatingulahed＂ & 963，774 & 1，423，033 & 2，024，337 & 2，10x，944 & 1，0＋1， \\
\hline previlusily to the year（86．）ibs． & & 1，041，861 & 1，26，, 317 & 1，938，001 & \\
\hline 1lites，raw－cutb． & 913，193 & 1，142．x．\({ }^{\text {a }}\) & 9454，56 & 966， 163 & 2，9，461 \\
\hline tanael，lawed，currled，or dressed lis． & \({ }^{5}\) & 5，212， 141118 & 6，415，731 & 7，3519 & 8， \(8,566,519\) \\
\hline Hoplis
Horns & 133，791 & 14，2816 & \(9 \times, 658\)
3,251 & \(6{ }^{62}, 479\) & 85，6\％ \\
\hline Hordigo ：－：owts． & 69，359 & 85.493 & 76，214 & \(66^{3,505}\) & 3，iil \\
\hline Iron in hars，unwrought－tons & 49，662 & 46，6，3 & 33，918 & 31，161 & \％ 71.48 \\
\hline  & 5，050 & 10,171
4,016 & 14,385
7.519 & －6，\({ }^{6}\) & 3，64 \\
\hline Iron and stect，wrought or manu－ & & & 7，519 & 6，i7 & 4，［5］ \\
\hline factured ：\(\quad:\) ewis． & 67，9：3 & 106，046 & 202，331 & 329，853 & \\
\hline 7singlasa \(\quad: \quad: \quad:\) vailu & 1，991 & 2，320 & 2，748 & 2， \(2, n_{1}\) & 1．6．93 \\
\hline Jewellery Me－－－value & ＜73，586 & c71，1N1 & C97，039 & 28i，481 &  \\
\hline inee－－－＊＊ & c93，2s2 & \＆10．．is & ＜143，6：7 & ¢167，706 & \\
\hline Larct－－cwis． & 351，090 & 530，512 & 217，275 & 136， 2904 & 414849 \\
\hline \({ }^{\text {l }}\) ，pip and sheet \％－－tons & 2．3，693 & 28，601 & 30，516 & 31，903 & 30，96 \\
\hline boot，，bhoes，and boot fronts－pairs & 944，016 & 913，795 & 369，940 & 33，3，812 & \％ \\
\hline glovea．\({ }^{\text {a }}\)－\(\quad-\) & 6，876，721） & \(8,1493,5 \times 0\) & 10，099，y \({ }^{\text {dit }}\) & 9， 115,112 & 10．019， 20.90 \\
\hline  & fentis3 & ¢27，963 & E50，818 & 2116，113 & aficil \\
\hline Linen manufactures ：：Jobs &  & ¢1103，964
\(\mathbf{3 , 1 9 0 7}\) ， &  & 5153， 104 & 2lif） \\
\hline 7．1quorice jutce and paste & 1，023，921 & 3，17，659 & 2，00， 31,389 & 1， 47,486 & 1，76，59 \\
\hline Matider and madder root（including & & & & & \\
\hline munjeet）：\(\quad \square\) & 299，973 & 355，681 & 296，166 & 237，352 & N， \\
\hline  & 34,311
\(21,0,54\) & 37， 31 & 42，711 & 33，531 & 4， \\
\hline Meat，salted or fre，h，not otherwise tons & 21，0，4 & 31，301 & 51，299 & 46，4i8 & ， \\
\hline describel－－cwts． & 693 & 973 & 1，484 & 3，180 & \\
\hline Mother of peari shelia－＊il & 2．5，144 & 20，322 & 19，105 & 27，462 & yion \\
\hline Nusical insiruments ：\(\quad:\) value & ＜199，916 & 2209．158 & 8241，419 & f：413，813 & cila \\
\hline Nitre，cubic ani kemels，for expressing oil cwis． & 794，318 & 539，288 & 670，418 & 1，0211，3／3 & \(\mathrm{Sh}_{6} \mathrm{H}\) \\
\hline tiherefrom ？tons & 4，985 & 4，261 & 3，950 & 4，959 & u \\
\hline Oil ：animal ．．－cwis & 51，693 & 85，67， & 21,715 & 9，091 & 16040 \\
\hline castor & 17，347 & 45，750 & 18，5i5 & 20，163 & ija \\
\hline fumerl－lbs． & 469,242 & 380，461 & 103，959 & 400，416 & 31519 \\
\hline  & 170，48．3 & 340，181） & 375，218 & 19， & 15 N \\
\hline olve
palm & 21，\({ }^{2198}\) & \％90，821 & 18,705
\(66,5 \% 2\) & \％ix， & 200 \\
\hline petroleum \(\quad-\mathrm{tuns}\) & 22，159 & 35，317 & 21，0i7 & 11，016 & sh， \\
\hline seed，of all kinds，and hlubber & 11，201 & 12，698 & 11，7\％ & 12，811 & 1，4 \\
\hline （Including cod liver oil）－ & 18，383 & 14，26：3 & 14，701 & 13，147 & ， \\
\hline turpentine－－－cwis． & 66，532 & 91，713 & 101，359 & 112，129 & 114 \\
\hline Oil seed cake－－tons & 101，156 & 88，566 & 103，570 & 109，962 & 140 \\
\hline Onlons，raw in salt andi water（not distin－bush． & 353，335 & 381，913 & 629，67\％ & 649，35\％ & 695 \\
\hline in salt and water（not distin－ gulshed prevlously to the & & & & & \\
\hline year 1865）－pals． & & & & 11999 & \\
\hline Oplum－\(\quad\)－Ilsis & 241，381 & 254，314 & 2：50，010 & 411，5：1 & 194 \\
\hline Orichal and pasteboard，－ewt & 46，681 & 15，253 & 39，757 & 34；89 & \\
\hline Paper and pasteboard ： of all Finds，except paper hanglngs＂ & 149，351 & 192，684 & 2．12，507 & 2J2，an & \％ \\
\hline paper hangings－ & 1， 210 & 3，177 & 5，919 & 3，ix & \％ \\
\hline Pis．s－－value & 299，305 & ¢77，065 & 256，236 & 245，74 & 20 \\
\hline P＇itch and tar ：plteh \(\quad\) tar \(\quad\)－cwis． & 110534 & 11，975 & 53，457 & 48，92\％ & 明 \\
\hline Piatting ．\(\quad\) tar \(\quad: \quad\)－lasts & \(17,87.1\)
182,901 & \％ 21,046 & 14,096
\(199 \% 27\) & 14,381
239,650 & 315 \\
\hline Plumbago－\({ }^{\text {Prens }}\) & 4，079 & 4，791 & 6，218 & \(4,8,56\) & 1 \\
\hline Pork，salted and fresh－－cwis． & 22：，754 & 170，751 & 228，015 & 422，119 & 促 \\
\hline Potatses \({ }^{\text {Pren }}\) & 1，\(, 544,636\) & 1，249，360 & 712，404 &  & ，\({ }^{\text {a }}\) \\
\hline Pouitry and game（includiņ，rabbis）value & E85，774
110,850 & \({ }^{110410911}\) & ＜131，179 &  & \％ \\
\hline （tale tons， & 1，161，358 & 1，162，393 & 4，763，499 & 1，751，63 & 3，14 \\
\hline Rags and other materials for making & 1， & & & & \\
\hline praper－：\(\quad: \quad\) tons & 23，919 & 45，582 & 67,819 & 71，155 & 6 \\
\hline woollen tom up，to be used as wool＂̈n & 4，311
8,972 & 5，766
\(\mathbf{9}, 866\) & 5,909
10,037 & 3,163
9,361 & 时 \\
\hline Rhulart & 183，270 & 192，733 & 113 & 199，967 & 3 \\
\hline Kice，not In the husk－－cuts， & 3，919，189 & 3， 1100,292 & 3，187，630 & 1， \(4,5.5,816\) & 4．4． \\
\hline Rosin ：－－\(\quad\)－ & 3.99 .011 & 385，388 & 3，5，821 & 439，147 & d \\
\hline Safflower－－\(\quad\)－ & 178380 & 7，988 & 11，028 &  & 16.1 \\
\hline Sago－：\(\quad: \quad 0\) & 184，582 & 146，08． & 115，901 & 148，592 & 54 \\
\hline Salteltre
Seedt clover
a & 44,248
169,974 & 404，763 & 313,582
466,278 & 911，071 & \％ \\
\hline  & 1，088，472 & 1， 104,578 & 1，431，973 & 1，135，114 & 1，140 \\
\hline  & \(57{ }^{3561}\) & 63，824 & 73，597 & \({ }^{81}{ }^{81,092}\) & \％ \\
\hline \(\underset{\substack{\text { milleq } \\ \text { mustard }}}{\text { a }} \quad \leq \quad \leq \quad \#\) & 88,301
\(2.5,808\) & 69,495
34,193 & 30,138
19,011 & 33， 811 & 5 \\
\hline poply－－－qras． & 8，336 & 18，233 & 16，010 & 33，706 & \\
\hline
\end{tabular}

\footnotetext{

}

IMPORTS AND EXPORTS
Qnamities of Fureign and Colonial Merchandise Imported into the United Kingdon-continued.




IMDORTA ANJ BEDORTS

\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline 16 H & 1*6. 3 & jnf. & 1867 & Articien & IMS: & 14,n & \\
\hline Whasa, Wimuluw & \[
\text { fin, } 507
\] & \[
\frac{1}{11,14!}
\] & \[
{\underset{N 1,1,3 n}{n}}^{2}
\] & Metale 1 ltre, red and whilm & & 4 & \\
\hline  & \[
\begin{gathered}
511, \% 4 \\
11,2127
\end{gathered}
\] & SiA, \({ }^{\text {and }}\) & sip'114 & leail, aml litiaras & 146,179 & 7T1,01] & \\
\hline Halmerilashery and milli- & 7, & & & Ins, blimemught: & (1948810 &  &  \\
\hline \({ }^{114+7}\) & A, 1130,711 & 5, 396,77s & 4,134.17 & 7ine, wruydul and & 1, \(1 \times 10 \mathrm{Nas}\) & 1.84\%, 194 & \(2,0,1, k\), \\
\hline llanitaras nomi milers: & 4,3\%4, 14 &  & \(5.10 .10,774\) & "uwtownht & 41.85 & & \\
\hline Mata uf all will te & \(4 \mathrm{Ac} 3,51\) & Sna,dive & S19, \({ }^{\text {a }}\) & O14, cral & 1,517,1,41 & 1, \(19.6,6,61\) &  \\
\hline Humas &  &  &  &  & 4:5. 4.31 & - Sin,whill & 1) \\
\hline  & 413, 4 (1) & A.3, 1 il & tas, zim &  & & 5, & 201, \(0^{3}\) \\
\hline  & 1,464,105 &  & 990,791 & I'lisyen and aiurce: & 117, "11 &  & \\
\hline ITH Micr murs & 2411) yey & 1110,442 & \(4.34,341\) & I'late, plateil mare. & &  & \\
\hline Nallilery ninl harneme & 3:010, 3,11 &  & 441, 175 & Juwplli iy, amil watatito & & & \\
\hline \(1 . \operatorname{lnet} \mathrm{tr}^{\prime \prime}\) & \(4.633,581\) & 8,374,137 & \(8,403,1181\) &  & 114,3\% & (17, 3 y 9 & 116, 6,1 \\
\hline LImen mambinctures & 0,160,091 & 9r3ib, 44, & 7,17.3, 116 & 4 dsamiliwel - &  & & \\
\hline Mackinery \({ }^{\text {Strant }}\) & 11250.519 & & & Nall , ilimom & 77, 417 & 364, 6 & 8 mag \\
\hline  & 3, 4\% 4.1 cm & 4,gox, 1 &  & aiti, tirown \({ }^{\text {a }}\) & 178, 81818 & SkP\% & \%itin \\
\hline Trun amb ster) - & 13,1:1, 20 & 14, \({ }^{18,617}\) & 15,14 4,914 & Sill manatactioive & 1, \(1111,3 \times 1\) & \({ }^{2} 116\) & Pi, \\
\hline Meralat & & & & & Ixi,zis & & b, irame \\
\hline  & & & & Sipitic, Itilioh & Y11,101 & 1:31,17\% &  \\
\hline SAIM, & 4!3i,144 & Sinn, 014 & 741,939 & pixpme & 4 \(1 \mathrm{~h}, \mathrm{M}, 7\) & & \\
\hline  & & & & Riphat rellume - & 210.1078 & y!1, 1 , & \% 7 \% 1 , 711 \\
\hline Jlarin, rinla, mion & & & & Whrexta alicep alinil Iamina &  &  & \\
\hline maile Ar. & 1,431, 1501 & 1,1:4,7:38 & 1,814,870 & Winolion and werctel & 17 & \$15, 5 ,35 & (in) \\
\hline  & *16.6i41 & & & Windilen anic wo & 4, 189,311 & 4.19,169 & \\
\hline tII uther moris & 14, 19.108 & nivili & \[
331914
\] &  & 21,104, i.31 & 21,isti,417 & v0, 13, \({ }^{\text {a }}\), \\
\hline Itrma, "f all mirta & 2.14, 319 & 74.3,1 10 & \(216,6,63\) & Ohure artictes & 7.129,n.31 &  & \\
\hline \(\mathbf{1}^{\prime \prime} \mathrm{m}^{\circ}\), and shut : & : \(\mathrm{NH}, \mathrm{finc}^{1}\) & 6ift.:46 & 64.1817 & T. &  & 144,217.36 & \\
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\end{tabular}
 - Imemanta Impertroid from cuel.

then going on in other countries; so that while improvenent, and consequent extension of We send mone gools to the forcigner, wo get baek munufactures sinte 17:0. Whe enton man mone of his in return. lustent of being an evidence of decline, increased facilities of production and increased cheapmess are the inost charneteristie and least equivocal marks of commercial prosperity.

Ciuses of the Magnitude of British Commerce.The immediate er se of the rapid increase and vast maguitude of the commerce of Grat Britain is duubtless to be found in the extraorlinary
ture may be said to have grown up during intervening period. It must aleo be bor mind that the edlect of an impnvement it production of any article in considerabld dems not confined to that particular artide, but er itself to others. Those who produce it saxy tiv the old plan are undersold uales ber? the same or similar improvements; and tin proved article, by couniug into ompetiona
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\section*{MPDRTS AND EXPOR'TS}

Whes (or which it may be subatifathid, infuses now woul forth inll his powere, that ho may ciilher wrome his old or acepuires new mevantares, "other
 be datcondman inverifions aud diacouverles of Ilar grate difhwight, Cromplom, nall a few others.
 tain inentimes if we supmosed that their inflame was limited fo this nimelo departument. The imated a puserful stimulus to every hriusel eq instry, Thir sureses, nat that of What! n:m
 avatial in all great undortakinges. After man
 ottons whuse fineness pmondates the: wobl of the owsmer, and stemm-ringines had beron muele the egreve sealk, and to lift a ship like an bunules in te ititeroy thith sermed poswible-nil ari/uam nas ob, dal the nurearing ellorts of new upants to wealdh and distinction, mill the inti-

 by the invertiut of the mpimaing-frame nati the mentines
 whe phase sitce the chose of the American war
 prased trade and mamatittlures. J'hose wher mate on the alvantages which an increane of wity in preciving henv it operates to extem-

 moxr: mid en the other hand, it gives them a kedides sperionity in foreign markils, where pibial is same, and credic unt oljesect of irrimary paptance with the native decalores. To the munfacture an increase of capital is of equal immanceby giving him the maenas of comserncting tusinss on such a scale and of carrying on ow poper distribution of whatever has of the oce amerg dififerent individuals. Ther bas to be mameng difterent individuals. Theso effeets
me lean strikingly criaced in the coumereind stand of Gireat firiaing churing the commercial atar; and thas it is that capsital, origimally mamind by means of trade, pives it, in its fine imponshment, vigut thar, anod calarged growih. dae mpluroencment that has taken phace in the bean parly the clleet, hinuing of this century inporement of manufactures aud the cause, of dommerer, Had we hecures and the extenaremmolatinas as werl contenfed with the Hzenuity wouly lun our ancestors, exertion Lownotine have usurped since have been at an - Dlappiy, hewever, the dexires of of ina varbline cireumstances muder which of man is vary fifing them. fill, in lighty ext of the means of thome aif but illighly civilised countries, fing of the duman mind ithe. This endless wod wilh pretions acpuisitions, colity to reat oratant inctense of propulation, combined with onder new insentions and dion, renders the thone periont as at another discoverics as intontimued advancement of societ provides for Tin ofe age, becomes a necces What is a The fact of Quecen Elizaleeth a necery in the of sill stockings was reckoned having worn contemporary historians ; deserving of deart of this century, no geutleme, in the the soerer his circumstances, gentloman, how mithout them. The lower clauke go to Gy pressing upon the midelasses are conopon the ligher; so the mat invention is and
rncked, as woll to vary tha 733 as to ineromes tha amount moden of aployment rompretion momld ham in af of wenlith. 'That this

 enriall to "x'eqs, aud has ce to industry, may bus

 ficur exproter beyom thels bey exnmple, lis alames, crem when must thrir merans. Jhit the in Jinglanel, is, nfore all, comblined, ns it probathy is tively nurrow limits; while dined wilhin compriva-

 industry, wornlin, mind enjesulds to the seienere , moreyments of the whole We are \(n\)
of Inxations duringe the the think that the inernase fos improvement of manufacture contribmes to sion of trado. The gradually iner und the extenof the pmblise burdens atimulutul ansing prosesuro portion of the commanion to mat the indoserious afints to preserva their pilu to make correspmoling duced a mpirit of invention in society, anl prowhonld have in vain attem noded economy that wo loss powrefial means. Itapted to exaifo ly ans if proseive, it would not hav taxation bron very it was noo mo hifh not have had this ellecti ; but or despuir, thomgh it. was at the either dojecelion ciently henvy bi, reuler a the same timo matli"xartion und pramimory a coonidernbla inereaso of rom entrmathing on tha fursanty to prevent it wi, at all events, from diminishes of indivilumes, which thry weres, provionsly deepoung the rata at excifembut adordod by the devirambating. T'othe worlh, the fant of fallime the desira of rising in tho and powerfind atimuluas suparadded an ndlititiomad ducerl resule himulas ; mul the two togrether pro-
 has beren or probathly com of either. Ner evideme that the capital of the country propuced to show matcrially greater the eonintry would have been of liurepes breen manatained, huluterrumpuillity 793 to the present moment minterripted from We do nut utute bument
muate the ovila of war or of cumptances to extebut merely to show the or of oppressive taxation, in! industry when the real inlluence of taxation within reasonabla brammally augmented and krpt stances it has the name : Uniler atueh eircumthat an incrunse of his rimenthence over a nation able expenses lans over a privnte of his umavoid. But after every fair a privnte indivithal. for the indlucnce of the canance has been madeof others of a similar descrinis above netated, and dantly certuin that a liberion, still it is alsunment, allording full scope for kystem of governcullivation of every - ope for itio \(3 x\) pansion ani securing all the sdvantapes of sudily power, and adilress to their possessors of superior talent anit non of commercinl nud munuthe grand sine fuat Where oppression and manufacturing prosegerity. bitants, thourth sumil tyramy prevail, the inhlincivilisation and weald miserable, In respect of are invariably poor and fion, spain is perhaps superiur, elimat, and situahitte inferior, to a miserable contrast compared with the lates the former present when intolerance of her rulers, and the despotism and and tranquillity, have, and the want of good order germ of improvement in extinguished every the inhabitants to the the Peninsula, and sunk Moors. It remains to level of the Tiurks and lution now (Oetober 1868 ) in whether the rovoa prelude to happier times fi prugress may not be us hope it may. IIad a political systemery. Let
to that of Spain been established in lingland, we shoukd have been equally depressed. Our superiority in science, arts, and arms, though promoted by suissidiary means, is, at bottom, the result of frecelom and security-frecdom to engago in every employment, and to pursuc our own interest in our own way, coupled with an intimnte conviction, derived from the nature of our institutions and their opposition to everything like arlitrary power, that aequisitions, when made, may be securely enjoyed or disposed of. 'These form the grand sonrces of our wenlth and power. There have only been two countries-llolland and the United States--which have in these respects been placed under nearly the same circumstances as England; and, notwithstanding they inhabit a mornss defended only by artiticinl monnds from being deluged by the occan, the Dutch have long been, and still continue to be, the must prosperous and opulent people of the Continent; while the Americans, whose situation is moro favourable, are advancing in the carcer of improvement with a rapidity hitherto unknown. In Grent Britain we have been excmpted, for a lengthened period, from foreigu aggression and intestine commotion; the pernicious influence of the feudnl system has loag been at an end; the same equal burdens have been laid on all classes; we have enjo, ed the advantare of liberal institutions without any material alloy of popular licentiousucss or violence ; our interconrse with foreign nations, though subjected to various restraints, has been comparatively frec; full scope has been given to the competition of the home producers; the highest offices have been open to deserving individuals; and, on the whole, the natural order of things has been less disturbed amongst us by artiticial restraints than in most other countries. But without security, no degree of freedom would have been of materinl importance. Happily, however, every man has felt satisfied, not only of the temporary, but of the permnnent tranquility of the country, and of the stability of its institutions. The plans and combinations of capitalists have not been affected by misgivings as to what might take place in future. Moneyed fortunes have not been amassed in preference to others becnuse they might be more casily sent abrond in periods of contusion and disorder; but all individuals have unhesitatiagly engaged, whenever an opportunity offered, in undertakings of which a remote posterity was alone to reap the benefit. No one can look at the immense sums expended upon the permanent improvement of the land, on docks, warehouses, canals \&c., or reflect for a moment on the settlements of property in the funds, and the extent of our systen of life insurance, without being deeply impressed with the vast importance of that confidence which the public have placed in the security of property and the good faith of government. Had this contidence been imperfect, industryand invention would have been paralysed, and much of that capital which feeds and clothes the industrious classes would never have existed. The preservation of this security entire, both in fact and in opinion, is essential to the public welfare. If it be anywise impaired, the colossal fabric of our prosperity will crumble into dust ; and the commerce of London, Liverpool, and Glasgow, like that of Tyre, Carthage, and Palmyra, will at no very remote period be famous only in history. (From the Treatise on Cominerce, contributed by the author of this work to the Society for the Diffusion of Useful Knowledge.)

Supposed Danger to our Trade from Foreign Competitios.-A great many statements have been circulated of late years respecting the rapid pro-
gress on manufactures in foreign countries, an many e:cister anguries have at the same tiare been indulged in as to the decay of the mauafactire and trade of this country. Iut thouth branches of industry, and especially those pendent on foreign supply and demand, necessarily exposed to vicissitudes which i impossible to estimato à priori, or even to foe see, still wo think there are no good grounds which to anticipate that we are at all likel withln any reasonable period, to be outstripe by others in the career of industry:. We have it is true, something to fear from the spras of combinations nud agitation at bome: supposing domestic security and tranquillity be preserved, we have little or nothiag to \({ }^{\circ}\) from forcitg competition. Our expmits France, (ermany, und Italy have inerese rapidly within the last 20 years; and but restrictions, which, howover," are ten times \(m\) injurions to themselves than to those with wh they deal, our exports to Spain and other of the Continent would have been rastle creased. Jut it is impossible that these strictious shonld be maintained for any lengthened period. Their days are numbe and they cannot, be many. In the present a of Europe, and with the intimate interces that subsists amoug its different state, may safely affirm that monopoly, and its sary consequences, scareity and high prices; cato have a very lengthened existence.
We have occasionally seen
which some stress has bey seen statemens which some stress has been laid in regard to progress of the cotton and other manufactures the United States and elsewhere; and we lo no doubt that at some future period the Com will be a 'reat manufacturiag country, It every menns and every facility for erentaulys tinguishing itself in that carcer ; but a rexill this sort can only be slowly brought as population increases, and as the derating advantages now on the side ruder species of iadustry are diminisbed. supposing it to have arrived st the destined there are no grounds for supposing that the \({ }^{\circ}\) sequences will be injurious to us. On the trary, there is every reason to think, seing rapid increase of population and wealth in parts of the world, that there will be 'amplet and verge enough 'for the fullest displar of manufacturing cspacitics of every prople, in the mean time, and for a long while to cume, Americans will export few cotton goods er those coarse fabrics the value of which d consista of that of the raw material. an absurdity to suppose that a country like United States, where \(1 r^{1}\) our is compartio scarce, and profits and wages comparatirely should be able to come into anything like cessful competition with a country like Eng in the production of any description of ant requiring either a good deal of skill or of 1 in their manufacture.
Fstablishment of Free Trade.-In the editions of this work we showed that sh much had been done, much remained to te to carry out to its full extert the liberl enlightened system of commercial policy which we had entered. We also eadeanviry show that the necessary changes might bey in our corn laws and other restrictive renf withont seriously imperilling the intervy agriculture, or of any other great deparart industry. We confess, however, that redir anticipate that the triamph of philosphy sound sense over sophistry and selfishnes th.
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con laws; yotem of pr hand and \(p\) heser and thet ct all men 0 tinara down are leing a to arin the ase
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a 10 ) In order protected, it is a them before they

\section*{IMPRESSMENT}
ntrics, and ctime been mufactures thouph a - those cmand, which it ven to fuete it all likery e outstrippes - We har n the spras
home: lute ranquillity thing to fer - expmits are inetra ; buld but cn times m nd other part eech vastly in that these \(\pi\) that whese
I for my ren are numbere he present stas nate interoury rent stitis, \(\therefore\), and its nez righ prices, az
mat hani. But noves saclorum natcitur ordo. the vardity in Irciand in 1840-46, coupled with de disinterestedness, the patriotism, nund the wititr of sit lobert P'eel, niade an end of the onaty hass; and with them fell the whole arstum of protection in this country, A few man patches of tho fabric may be foumd the and par a lonerer or a slowter period ben and thene for a thal men of sonse saw that the intol hind been inand dowa without the smallest hope of its ret being amain resuscitated, and that free \({ }^{1}\) amand phiciples were everywhere destined anmerar hascendancy.
Wee thius only was wanted in 18.16 to hasten th danifill of the whole system-the experimatiand practical success of the new; and whens bea nfforded in the most ample manner. firwill be diflicult to exaggerate the ndvance hat has been ma.le in commerce nnd in most xase of idusitry, and the improvement in the oundion of scciety that lins taken place since that patint. A coinsiderable portion of this ndme is no doult due to the discovery of the (ilisinisa and Australian gold-tields. But that (wifnicinand whinh might have been turned to nequilr goond ncconot by France, Spain, or any dhe coriry. Ana if it lins been peculiarly sramsiensi to us and to the Americans, it is hame our Trasathantic rivals and ourselves rex in a situation to profit by it; because our fre and uatammelled energies wero rendy to be dimeded onards any chamnel, how remote soever, rhidhed vor the promise of an adequate reward. Themedintuence of the new state of things Tol ke prerful and important than its ecopomial induence. The extension of commerce rill do mure than anything else to diffuse the businge of civilisation, to bind together the miresal societe of nations by sharpening, and a the sme time gratifying, their mutual wants Wed deikes and to maintain undisturbed that mpullity so indispensable to its full develop-

patis
IIIPPESSIEST. The forcible taking away sumen frem their ordinary employment, and ouphling them to serve, against their will, in
be 1 dyantr's ships.
Reyiditins as to Impressment.-This practice rotespasly salactioned by any Act of Parliawat; but it is so indirectly by the numerous wotas that have been passed, granting exPhious from it. According to Lord Mansfield, is a porer founded upon immemorial usage, di andertood to make a part of the common . In suafaring men are liable to impressat unless specially protected by custom or tote Samen executing particular services Coremment not unfrequently get protections m the ddmiralty, Nesy Board \&c. Some are raped by local custom, and ferrymen are ar wher privileged from impressment. The intory cxemptions are numerous.
C.Etery ahip in the coal trade has the following was protected, viz. 2 able seamen (such as the mersail nominate) for every ship of 100 tons; 1 ioce every 50 tons for every ship of 100 tons aprards; and any officer who presumes to mess any of the above shall forfeit to the ter er orner of such vessel 101 . for every man mpresed ; and such officer shall be incapable olding any place, office, or employment in any er Mayesty's ships of war. ( \(6: 7 \mathrm{Wm} .1 \mathrm{II}\). 4. 19.) In order that these men shall be protected, it is necessary for the master to t them before they are impressed: this is to see by going before the mayor or other clief setrate of the place, who is to give the master
a certitleate, th which are contained the names of the particmar men whom he thus nominates; and this certiticate will be their protection.
2. No parish apprentice shall be compelled or permitted to enter futo the Royal Nayy till he inrives at the age of 18 years. ( \(2 \& 3\) Anne c. b, 8. 4.)
3. Persons voluntarily binding themselves apprentices to sea service shall not be impressed for 3 years from the date of their indentures; bint no persors above 18 years of age shall have any exemption or protection from her Majesty's service if they luwe been at sen before they becamo npprentles. ( 2 \& 3 Anne e. 6 s. 15 ; 4 Anne c. 19 s. 17 ; and 13 Geo. II. c. 17 s. 2.)
4. Persoms employed in the Fisheries.-The Act 50 Geo. Ill. r. 108 grants the following exemptlons from impressment, viz.:-
1. Musters of fishing ressels or boats, who, either themselves or their owners, have, or within 6 mouths before applying for a protection shall have had, 1 apprentice or more under 16 years of age, bound for 5 years, and employed in the business ol' fishing.
2. All such appresiices, not exceeding eight to every mnster or owner of any fishing vessel of 50 tons or opwards; not exceeding scven to every vessel or Loat of 35 tons and under 50 ; not exceeding six to every ressel of 30 tons and under 35 tons; and not exceeding four to every vessel or bont under 30 tons burden during the time of their apprenticeship, and till the age of 20 years; they continuing, for the time, in the business of fisling only.
3. One mariner, besides the master and apprentices, to every fishing vessel of 10 tons or upwards, employed on the sea-coast, during lis continunuce in such service.
4. Any landsman above the age of 18 , entering and employed on board such vessel, from 2 yenrs from his llest going to sen ; and to the end of the voyage then engaged in, if he so long continue in such scrvice.

An affidavit sworn before a justice of the pence, containing the tonnage of such fishing vessel or boat, the port or place to which she belongs, the name and description of the master, the age of every apprentice, the term for which he is bound, and the date of his indenture, and the name, nge, and description of every such mariner and landsman respectively, and the time of such landsman's tirst going to sea, is to be transmitted to the Admiralty, who, upon finding the facts correctly stated, grant a separate protection to every individual. In ease, however, 'of' an actual invasion of these hingdoms or imminent danger thereof,' such protected persons may be impressed; but except upon such an emergency, any officer or officers impressing such protected persons shall respectively forfeit \(20 l\). to the party impressed if not an apprentice, or to his master if he be an apprentice. (Secs. 2, 3, 4.)
5. General Exemptions.-All persons 55 years of age and upwards, and under 18 years. Every person being a forcigner, who shall serve in any mereliant ship, or other trading vessel, or privateer, belonging to a subject of the Crown of Great Britain; and all persons, of what age soever, who shall use the sea, shall be protected for 2 years, to be computed from the time of their first using it. (13 Geo. II, c. 17.)
6. Harponners, line managers, or bont steerers, engaged in the Southern whale fishery, are also protected. ( 26 Geo. III. c. 50.)
7. Mariners employed in the herring fishery are exempted while actually employed. (48 Geo. III. c. 110.)

\section*{1.NDIGO}

I'olicy of Impresament. - This practice, mo nubversive of every principle of justice, is vindieated on the alliged ground of its being absolutely necessary to the manning of the tleet : and if thils allegation were really well fuunded, it woull be quite sufficient for ith fustitheation. Jut it may be doubted whether such was ever really the case, and, nt all cenente, it is no longer so.
I. The difliculty formerly experienced in manning the fleet at the breaking out of a war resulted from the andden demand for a great number of snilors. Thia, however, has been more an artiticial ia:na a real dimentty, and was oecasioned by the peace establishment being arranged on too low a seale. Had it been kept up at from \(n\) third to \(n\) half of the force usually required during war, and mado to consist wholly, or almost wholly, of thorough-bred seamen, it wonld have been an easy matter, by takilig on bonfil the usmal complement of landsmen and marines, to have put the fleet on a war footligg without resorting to impressment, or injurling the merehant service by oflering high bounties to the men that entered the navy. It was not necessity, bint an ill-judged spirit of parsimons, and the adoption of an improper system, that made impressment necesisary in bygone times. But the secure nsylum nfforded to such of our seamen as choose to resort to the ships of the United States must now, were there nothing else to be considered, make an end of impressment in time to come.
II. Apart from these conslderations, the change which the insroduction of stenm has effected in navigation has mado the adoption of \(n\) new system nlike ensy nad indispensable. Thoroughbred seamen, or those expert alike in the lanilling of sails nud the mancuvring of ships, are no longer necessary to nnything like the same extent as formerly. Ships are now navigated from the engiac-room, and \(n\) small part only of the crews need to be expert scamen. What are now mainly required in ships of war are crews thoroughly trained to the nannagement of guns and the sword exercise; and these important qualitications may be attained in the highest perfection by those who enn neither go aloft, nor distingnish one rope from another. All that they require are sen-legs, or such a degree of familiarity with the sea that they may be able to keep their footing, and perform their peculiar duties on bonrd, without being annoyed by sickness or otherwise inconvenienced.
And bence the true plan is to keep tho sailing ships on tho peace establishment always fully manned with thorongh-hred seamen, and to train a large proportion, if not the whole, of tho army to the sea as well as to the land service. The marines are equally serviceable nt sea and on shore, and why not add largely to their numbers? In this view large bodies of troons might be kept in garrisons or:2 barracks in seaport towns, who, being embar, oct ocasionally in ships of war, instructed in the art of gunnery and the duty of marines, and accustomed to a seataring life, would not fail to become a most valunble and efficient description of force.

It may be worth while, perlinps, to mention ihnt a plan similar to that now referred to appears to havo been adopted by Augustus and his successors at the great naval stations of i'vrenna and Misenum. (Gibbon's Decline and Fa.' cap. iv.) And, however this precedent may app'y, there can be no doubt that the course suggested above may be followed with equal facility and advantage. Supposing we had \(n\) sca-going nilitia of 50,000 men-that is, 50,000
then having the uso of sea-legs and familiar with the ordinary parts of a seaman'm ahip, and with be able, by wlthdrawing a part, say we should be able, by wletidrawing a patt, say s half, of the thorough-bred seamen employed in saling ships, and distrlbuting them nonong those ing pelled by steam, to send to sea the inuat powefful tleets at the shortest notlice and with the lean diflleulty. The duty of a soldier should longer bo restricted to srrvice en land-bia rbould be \(n\) nort of anphibious auimal, and be made to exhibit his cournge nuld daringig on ma er olt shore as circuinstances may require. If we which, perhaps, can be done to strencthern means of defence, and to reader our coasto our agniast in vasion.

For further detaila and statementa in regard to this matter we beg to refer to the vary able paper of W. S. Lindsay, linq., formerly M.l', for sure derland, On the Manning of the Nary. (Payen printed by Command, Sess. 1859.) The sultien is discussed in it by one who is equilly at hi in all that respects ite theory and pirnctice.

I'he practice of impressment will probably ubandoued, should such ocensions hereafter arix as would justify it on such public ground a were heretofore alleged. Tho establishment indeed, of the Naval Reserve, is in cffect it surrender of the system.

INDBMNI'TY. Is where one person seeone nnother from responsibility agninst auy portion lar event : thus a policy of insurance is a contre of indemnity against any particular lioss. Whe one person also becomes bail for another, a b of indemnity is frequeutly exceuted; and whe a bond or bill of exchange has been lost op mif laid, the acceptor or obligee would not act ma dently in paying it without being secured by bond of indemnity.
INDIA-RUBLSER. [Cat:Tchotc.]
INDIGO (Fr. indigo; Ger. indigo; Sance nis Arab. neel; Malay taroom). The drag whit vields the beautiful blue dye known by thatur It is olutained by the maceration in water feert tropical plants ; but the indigo of commery almost entirely obtained from leguminous pla of the genus Indigofera; that cultivated ia in being the Indignferu \(t\) :ctoria, and that in dmad the Yudigofera anil. The Indian plant hasping leaves and a sleniler ligneous atem; and in successfilly cultivated, rises to the heightod and even 6 fect.
It appears pretty certain that the culure of indigo plant, and the preparation of the drug. been practised in India from a very remote en It has been questioned, indeed, whether to dicum mentioned by Pliny (Hist. Nat. ©h, y c. 6) was indigo, but, ss it would seem, rith any good reason. Pliny states that it was bong from India; that when diluted it prodaces admirable mixture of blue sud purplecolous diluendo misturam purpure carulcigue minh reddit') ; and he gives tests by which the gra drug might be discriminated with sufficinat cision. It is truo that Mliny is egregionsty taken as to the mode in which the dryg produced; but there are misny exampla modern as well as ancient times to prose the pussession of an article brought from a dis implics no accurate knowledge of its nstary the processes followed in its manufecture, mann (Hist. of Inventions, vol. is, art. 'las and Dr. Bancroft (Pernanent Colown, rol 241-252) have each investigated this subject great learning and sagacity, and arme i conclusion that the indicum of Pliny \({ }^{n}\)
minn
dre Pilitpine Is . Crunas, in C meat the great mitip pooduced in dy woonsiderable
syod was of 0 Yo had beea intr aunds, but this is species of ind? i; and the Span ma, rery sooa a Esal Politiqu hia p. 54, 2nd ed.) The first 20 year tig of Bengal, the dign Dow of such
bunch of British but trifing. I's seriod priacipa wh hotever, the messes pursued by thase follaned by intelisence, aad
teges. In their \(h\) Th of indigo beca
to the period of th tent emplory of th 1.ctw, except th wich could be (the culture a a manopoly.).
intion and not, no has been supposed, a drug preparal from the isutis or woad. At all eveuts, ther an be no question that indigo was imported thee (an be Europe, by way of Alexar 'ria, preinw movern the diseovery of the route to Incla by riouly of Good Hope. When first introduced the cape dery to mix a little of it with woad it was cusuman improve the colour of the latter: to heiphtea and the quantlty of indigo was incut ind woad was at last entirely superement it is worth while, heworcr, to remark winh ir did not make Its way into general wint iulligo encountering much opprosition. The ue without ecountion soveral poveruments proct of woad prevailed on acis In goveraments to parbibit the use of indigo! In Cermany an tapmaisis ellict was pubitinhed in 1654, prohibitlag lapknis of indigo, or 'devil's dye,' and directing ase we to be taken to prevent its clandestine mal care to be takea,' says the edict, 'the trade inporation 'because, says the edict, tha trade in mad is lessencel, dyed articles lijured, and wonec carriel out of the country !' 'The magismaso Nuremberg went further, and compelled be dret of that cily to take an oath once a year antiv ine indigo, which practice was conthued doma to a late period. In 1598 , upon an urgent mpreotacioa of the States of Languedoc, at the windition of the moad growers, the use of indigo rapmbibited in that province; and it was not inillizi that the dycrs of France wero Jeft nt juery to dre with such articles, and in such a mr, es they pleased. (Beckmann, vol. iv. p. (4.) Let pot those who may happen to throw thein ves oret this paragraph smile at the ignormeed their ncestors, Mutato nomine, de te fabula empur. How much opposition is made in most ountries at this mement to the introduction of woy important articles, for no better reasons ta rete alleged in the sixteenth century against x importation of indigo !
ladigo is produced in Bengal, and the other pricess sulject to the presidency of that name, ma the Poth to the 30th degree of north latitude ; He povince of Tinnevelly, under the Madras Tenment; in Java; in Luconia, the principal the Pililppine Islands; and in Guatemala, and C Carceas, in Central Armerica. Bengal is, Fre, tha great mart for indigo, and the maty produced in the other places is comparaday icoonsiderable.
eyrul was of opinion that the culture of \$o had beea introduced into America by the siand, but this is uadoultedly an crror. Sc1 pecies of indigofera belong to the New M; and the Spaniards used it as a substitute inh, yery soon after the conquest. (HumLuai Politique sur la Nouvelle Espagne,

or the first 20 years after the English became trs of Bengal, the culture and manufacture digo, now of such importance, were unknown brach of British industry, and the exports but trifing. The European markets were ispriod priacipally supplied from America. i88, howerer, the attention of the English a to be directed to this business; and though monsses pursued by them be nearly the same those followed by the natives, their greater intelligence, and capital give them immense tigee la their hands, the growth and prean of indigo became, and continued down To the period of the cotton famine, the most ant employment, st least in a commercial o vicw, except the cultivation and export दrhich could be freely carried, on in the 7 (the culture and preparation of opium 6 a monopoly). The indige made by the supplies the internal demand; but a
portion of that whall is ralsed by them, with all wht is rased by Eithopenns, is exported.
In the Delta of the (ianges, where the best and largest quanility of incligo is produced, the plant lasts only for a siugle senson, belng destroyed by the periadical inundation; but in the dry central and western provinces, one or two rattuon crops am obtained; and owing to this circumstance, the later nre cumblet to firnisla a large supply of reed to the former.
Juring the 9 years which preceded the opering of the trade with Jndla, in 1814, the ammal average prodnce of Indigo in lleugal for exportation was nearly \(\mathbf{\delta , 6 0 0 , 0 0 0} \mathrm{lbs}\); but after the ports were opened, the ind go produced for exportation increased more than a lalf, the exports during the 16 years ending with \(18: 9-30\) being above \(7,500,000\) lbs, a-year. The following atatement shows the rate of this increase, tuking the averugo produce of each 4 years :-
\begin{tabular}{|c|c|c|c|c|}
\hline Vear & lbs. & Year & & lbe \\
\hline \[
\begin{array}{ll}
1 \times 11 \\
1 \times 15 \\
\hline
\end{array}
\] & & \(1 \times 2\)
\(1 \times y .3\) & & \\
\hline 1616\} & 7,010,000 & 18x1\} & & 8,000,000 \\
\hline 1817 & & 1*x \({ }^{\text {a }}\) ) & & \\
\hline isif & & 1886 & & \\
\hline \(1 \times 196\) & 0,000,000 & ¢ \(\left.\begin{array}{c}187 \\ 1 \times 8 \\ \text { \% }\end{array}\right\}\) & & 0,000,000 \\
\hline 1880 & 0,10000 &  & & 0,00,00 \\
\hline
\end{tabular}

In the ycars 1862-3 and 1863-4, the exports of indigo from India, and the destination of the aupplies, were as follow:-
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[b]{4}{*}{\begin{tabular}{l}
Unlted Kingdont \\
Ametica
\end{tabular}} & \multicolumn{2}{|c|}{1862-3} & \multicolumn{2}{|c|}{1863-4} \\
\hline & Quantly & Value & Quanticy & Valus \\
\hline & lbs. & 4 & lbe. & 4 \\
\hline & 8, 9,37,13. & 1,627,088 & 6,939,978 & 1,318,818 \\
\hline Amertica mil & 134,061 & \(26,9+9\) & 169,034 & 3Y,202 \\
\hline Arabian mat
Perwian Gulf & 34,3,037 & 53.785 & 119,089 & 60.210 \\
\hline Franca - & 1,974,120 & 371,996 & 1,4,39,269 & 446, 191 \\
\hline Garimany & 45,680 & 13,504 & 4Y,40 & n,5y1 \\
\hline Nuez & 993, 2 2n9 & 31,7318 & 330,3.31 & 81,660 \\
\hline Other places & 9, 373 & 815 & 9,151 & \({ }^{(1)}\) \\
\hline Total & 11,56,480 & 2,146, 8 ;0 & 9,174,615 & 1,736,158 \\
\hline
\end{tabular}

The value of the exports in 180 C was \(1,861,5012\).
It descrves to be remarked, that aince the opening of the trade, Indian capitalists have betg'en themselves to the manufncture of indigo on the European method, and that at present a considerable part of the whole annual produce is prepared by them.
The culture of indige is very precarious, not only in so far as respects the growth of the plant from year to year, but also as regards the quantity and quality of the drug which the same amount of plant will afford even in the same scason. Thus the produce of \(1825-26\) was 41,000 cliests, while that of \(1826-27\) was but 25,000 chests; and in 1842 the produce was only 79,000 mannils, vile that of the following year was no less than 172,249 maunds! The price of indigo in India increased for a while in a far greater ratio than the quantity. In 1813-14 the real value of that exported from Calcutta was \(1,461,0001\).; but in 1827-28, although the quantity had increased but 20 per cent., the valuc rose to \(2,920,000 l\), or was about doubled. There was no corresponding rise in the price in Europe, but, on the contrary, a decline; and \(t\) : circumstance is to be accounted for by the restraints that wero then placed on the investment of capital in the production of colonial articles anited to the European market, the consequent difficulty of making remittances from India, and an unnatural flow of capital to the only great article of Indisn produce and export that was supposed capable of bearing its application.
The cousumption of indigo has not increased in this country during the 10 years ending with 1867.

This statlonary demand, not withatanding the fall in the price of the drug and the increas of popuintion, la principilly to bo ascribed to the decreasling use of blue eloth, in the dyeing of which it la principally mude use of. Its consumption In l'rance is about ns great na in Jlitnin, Hesides the exports to Grent Britain, France, Germany, and the United States, \(n\) good dend of Ilengal indign is exported to tho ports on the l'ersian Guif, whence It linds its wny to southern lhusia. It is singular that it is not used by the Chinese, with whon blue is a favourite colone. Wo subjoin
An Account of the Imports and Exports of Indigo into aud from the United Kingdom in each of the 7 Years ending with 1867.


Of \(71,995 \mathrm{cwt}\). indigo imported into Grent Britain in 1867. 53,961 cwt. were from India, 499 ditto from United States, 10,381 ditto from Central America, nal 1,338 from New Grannda. The duty to which it was form rrly subject was repenicd in 1845.

The indigo of Bengal is divided into two classes called, in commercial langunge, Dengal and Oude; the first being the produce of the southern provinces of Bengal nod Bahnr, and the last that of the northern provinces and of Benares. The first is, in point of quality, much superior to the other. "his arose at one time, in a considernble degree, from the practice which prevailed in the northern provinces of the Europenn planter purchasing the wet fecula frem the ryot or native manufacturer, and completiag the processes of curing and drying tho drug. This is nt present in a great mensure discontinued; and the Oude incligo has, in consequence, considerably improved in quality. Its inferiority is probably more the result of soid and climate than of any difference in the skill with which the manufacture is conducted. The production of indigo in Bengal and Oude is supposed to have amounted at an nvernge of the 10 years ending with 1851 to 121,900 maunds (of 82 lbs. each) a-year.

In addition to the indigo raised in Bengal, a considerable quantity is now raised in Madras; the value of the exports from the latter in the 5 years 1861-5 having amounted to an average of \(281,000 l\). a-year. The indigo of Madras is not so good as that of Bengal, and brings a much less price. Indigo is also exported from Java, the Philippine Islands, Central Amcrica, and other places. In 1854 the exports from Batavia amounted to \(1,077,848 \mathrm{lbs}\); in 1863 they were \(904,200 \mathrm{lbs}\). In 1864 the exports from Manilla were estimated at about \(308,864 \mathrm{lbs}\), According to Humboldt, \(1,800,000 \mathrm{lbs}\). indigo were exported from Guatemala in 1825; but if so, which is, perhaps, doubtful, its production must have fallen off greatly in the interval. In 1866 our imports of indigo from the whole of Central America, inc. Honduras, amounted to 6,040 cwts., or \(672,480 \mathrm{lbs}\). Indigo is produced in some of the West India islands, but in small quantities.
Good indigo is known by its lightness or small specitic gravity, indicating the absence of carthy impurities; by the mass not readily parting with its colouring matter when tested by drawing a streak with it over a white surface; but above
all, by the purity of the colour itself, The fim quality, estimnted by this last test, is eallied, in commerelal language, fiue blue; then fullows, fow purple, purple and violet, viohlet, strong copper, inm ordinary ropper. These dastinctions refer to the Bengal Indlago only, the Oule being distinguish merely limo fine and ordinary. The lnditis Madras, which is superior to that of Mamilh ahout equal to ordinnry Bengal indigo. The dign of Java is superior to these.
For further inforination as to indigo Colubrouke's IIusbundry of Menfal, pish Millurn's Orient. Com, ; Wilkinson's Ciomm of Dengal; Wllson's licevew of to.; cevidener (iillinn Mnelaluc, lishe, befuro liast Iediator mittee, 1830-31; Purl. Pıpers, de.

The fixed capital recpulfed in the manuf of indifo consists of a few vals of emmon on
sonry for steeping the plant, and preceipitating colourlag matter; a boiling and drying how and a divelling house for the planter. Thees a factory of ten pair of vats, capable of prowleci nt an avernge, \(12,500 \mathrm{ibs}\), of indigo, wasth the spot about \(2,500 l\)., will not cost above L, il sterling. The buildings and machinery neeess to produco nu equal valuo in sugar and ra woild probnbly cost nbout \(4,000 \mathrm{l}\). This in therefore, withont any reference to muri requlntions, afforls a rendy answer to the 4 which has been frequently put, why the br planters in India have seldom cagaged in mnnufacture of sugar.

INK (Dutch, ink, inkt; Fr. encre : Gen diar Ital. inchiostro; Lat. atramentun; Russ, wid nilo; Span, tinta; Swed. blak).
'Every liquor or \(r\) ' 'ment used for witiag printing is disting. I by the name of Common practice only black and Of biack ink the only black and 1. Indinn ink; 2. Prınters' ink; snd 3. Writing The Indian ink is used in China for writing a brush, and for painting upon the soft the paper of Chlnese manufacture. It is aserta as well from experiment as from information the cakes of this ink are made of lame and size or animal glac, with the addition of fumes or other substances not esseatial quality as an ink. The fine soot from the of a lamp of candle received by halding 1 over it, mixed with clean size from hhm parchment or glove-leather not dyed, will an ink equal to that imported. Good pai ink is a black paint, smooth, and usifons \({ }^{2}\) composition, of a firm black colour, and pacs n singulnr aptitude to adhere to paper thame impregnated with moisture.

Common ink for writing is made br adif infusion or decoction of the nut-gall ta suld iron, dissolved in water. A very fine blak pitate is thrown down, the speedy subsila which is prevented by the sdditios of \(t\) quantity of gum Arabic. Lampblack is by mon material to give the black colour, af \(\mathrm{m}^{2}\) ounces are sufficient for 16 ounces of the \(r\) Vermilion in a good red. They are ground ther on a stose with a muller, in the simes as oil prints. Among the smusing expin of the art of chemistry, the exhibition of thetic inks holds a distinguished place these the writing is invisible until some ! gives it opacity. These inks bare bey posed as the insiruments of seerec comerap but they are of iittle use in this respect, the properties change by a few dagis on the paper; most of them have more or a tinge when thoroughly dry; and a them resist the test of heating the paper
minis to (Chmin

INSOLVENCY
730

\section*{The firm} is callems in fullow fine cypper, and relet to tha distinguides he Indisin al of \(\mathrm{I}_{\mathrm{n}}\) ill igo. The in , indig=, gal, 1.1 on's Cummor 0. \(;\) evilence Ist Irdia \(\ddot{ }\) of commen nu orecipitating is 1 dying how nter. Thesel ble of prowucies ndlyg, woth eost above lim chinery necess sugat and m 000 l. This nee to munivi wer to the 4 \(t\), why the \(b \stackrel{D}{n}\) m engsged in
encre ; Get. dion tum; lluss, tes ). used for writins \(y\) the name of bly biack and ree prine pal hind ; and 3. Writing hina for writing ppon the soft the re. It is acerts rom information made of lampa or the addition of not essential ad by holding ? size from shan not dyed, will orted. Good pa th, and uniform k colour, and pos re to paper thur
begins to be scorched.' (Nicholson's Dietionary of (hemintry.)
of WíLL'. A sort of broad linen tape, prinelpally machetured au Mancheater and some other matelat in Lane ashire.
©SOLVENCI AND DANKIRUI'ICY. A montis, in a general sense, a person who is mable to pay bis collective debts.
I cerditor is a person who trusts another with \(\$\) cruitor and who thereupon puts hiuself in bispoperty, and is, as con' easted with the lebtor spostha wake in, wivel defencelegs. 'T'o wns wurtiv and comparativel detenceless. To suswind protect him, the law, in all civilised mandicer leads ita power to constrain the Getinto the fultliment of his contract.
The law takes cognisance of contracts in auch \(n\) vesta to consider all persons who have incurred Witations of any kind ns liable to the penalties vidh munjipal regulations visit on insolvency; whete that iusolvency be incapacity to pay, or arillingess to fultl contracts. What it strictly un rimarily does, is to take nwny tho control thin the dibtor would otherwise have over his 2wa property. It vests the debtor's property eibr in d public oflleer who is empowered to wizt it, and make compensation from it; or in wemial persons, who are entrusted with the duty Worlecting and distributing it; or in the creditasthemselres.
Bot it cumpels the creditor to prove his debt, hatly in the interest of the debior, who might themen beiome liuble to false, fraudulent, or amantedclums, partly in the interest of other Faditur, roo, if the Dankrupt's or debtor's estate tuesides to fully satisfy all claims, might be faried \& their quota by lictitious or extracrutitemnds.
fle strxity of the early Loman law of bankract ha alfeady been cornmented on.
Thie Fodilih general law was carly modified in tous of taders. In the roign of Edward 1. mala was allowed to pledge his land, in parfier foms, known as stutute merchant and mutale, and could be arrested if the pledge singsienat to discharga the debt.
The int statute of baukruptcy is that of 34 merillic. 4 , and the priaciple of this carly risuat of securing and dividing tho bankKilumat.
thes statute of II enry VIII. wns materially madry the Act of 15 Eiliz. c. 7 , which detincs P pexns who may be made bankrupts, and pmisisn of t this statute were further enlarged IJal.c. 15, and 21 Jas. I. c. 19.
thestatute of 10 Anne c. 15 , when an attempt made to distinguish betwcea the honest but manate bankrupt, and the dishonest and Went debor, and by 6 Geo. IV. c. 16, 1/ banikuptey wero defined, persons liable beave bankrupt were distinguished, and aunt admiaistering this part of mercantile ins remodelled.
mpto 1831 t the lord chancellor or lord keeper Chtijuisidiction: but then an Act was pavsed katring a chief judge, three other jucges, wnomsioners, and thirty official assignees. cuie jugge and his colleagucs formed a ro reriew, with a tinal appeal in a limited two the chancellor.
Consulidation Act of 1849 , repealing nearly all the existing statutes, abolished the jurismor the ebaceellor, sad vested it iu the Co Banktultey. This Act also provided a mof poluntary arraugements or composi-- eitber with or without the intervention of wirth
nreceding it in order of time, deflured with exact news who were the persons liable to baukruptcy, anul what were the precise acts which constituted bankruptcy.
there was a radical differenco between tho bnakruptey law and that of insolvents. The bunkroit, unless convieted of frnuel, was securel not only from arrest, but in the possession of property nequired after his bankruptey, while the masolent was never diselarged from his liability nutil every creditor had been diselarged in full, though ho was secured from arrest.
Legislation of 1861 . The \(\operatorname{Act}\) of 1801 introduecd several fundamental clanges into the law of bankruptey-changes which have, unfortuuntely but beyonal all dispute, no favoured dibbors ns to give the most powerfill stimulant to reeklessnevs in truding, frand, and dishonesty. Tho distinctim letween tralers and non-tralers is done awny, mul this perhaps is only reasomble ; but all debtors are now enabled to obtain a complete diselargo of debts and liabilities by giving up their property if they have nuy, and by going through the form of it if they havo none.
The following is a brief account of the more important provisions of the Aet, which is lengthy, containing 230 sections.
1. The jurisdiction of the Sourt of Bankruptey includes that of the Court for the Belief of Insolvent Debtors.
3-7. Extension of the jarisdiction of county courts in matters of bank ruptey.
19-27. Supersede the functions of the Insolvent Debtors' Court.
37-4. Fees noxistamps. Theso are simplified.
45-i7. General orders. Theseare to be framed by the lord chancellor with two of the commissioners, and mast be laid before Parliament.
69. Abolishes the distinction between traders and non-tralers.
70-75. Acts of bankruptey, and rules to be observel before aljudication.
\({ }^{76-8 J}\). Aets of bankruptcy by non-payment of judgment debtor summons.
86-107. P'etitions for adjudieation of bankruptey and proceedings thereon. The first clause gives power to a debtor to petition an adjudication of bankruptcy against himself, without any previons declaration of insolvency. The 89th determines the amount of creditorg' debts which shall justify a petition. The 97 th detines the character of debts for the purpobe of petition. The 98th and 99th describe tho proceedings of a petitioncr in formâ pauperis. The 100th decrees that gaolers shall make a return of prisoners for delt. The 101 st, that the registrar shall inspect prisoners with a view to making prisoners for debt bankrupts, by order of adjudication. The \(106 t h\) and 107 th deal with the cases of lunatic debtors.
108-115. Proccedings after adjudication. Tho officinl assignee is to take possession of the bankrupt's assets. Tho creditors shall meet, give proof of debts, resolve (110) if the major part in value agree, to take no further proceedings in bankruptey, and if on further notice a majority of three-fourths in value accede, shall be empowered to suspend the bankruptey and administer the estate int their own discretion.
116-139. Choice of creditors' assignee, by majority in value of creditors, with the powers and dutics of his office.
140-143. Procecdings at tho last examination.
144-156. Proof of debts.
157-172. Proceedings in the discharge of the bankrupt.

17:1. Ther nudit to be mande ne promeral orders alull direst, or in cane special provision be madi, in the mmuner provided.
174. 1'eriod at which dividends are to be doclared.
175. 'The peunlty of 20 per epint. per ammun
 the crestiturn' ansigne fier the 日pnes of one week.
17 iti-fic. Oither rules aflecting the puyment of dividendes.
180-18it. Form of diseharging the creditors' nssigner, and of emitiming powers or rights which have not bern exercised or have nut ocenred to the whlicial nasiguen.
 ment.-If threre-fourths of the erectiturs in mininher amd value resolve in a gencral meting that the estato of the insolvent whall be womul up mader \(n\) dead of arrangenent, composition \&e., the procecedings, on the fullthent of certain firmulities, may bo stopped. If the court is satisfled with the torms under which the deed is fioned, it may make a decharation of its complote exceutioi, man direct it to bo regintered, may namit the bankrnptey, nud may deelare the deed bindiug in all respects on such creditors ins havere refused ti) riter'ute the arrituyement. The court reserves to itself powers to enternin nuphimations as to the parties to the deed, to the bmakrupt's extate and allairs ; nud to sumbion nud exnmine the bankrujt.
221. Misdemennors under the Act: the limit of imprisolument to be threo years at most, umlers the offence be provided nguinat by any other Inw.
The misdemennors in question are:-
1. If the bankrupt shall fail, without due canse, to surrender.
2. If he neglect to deliver up his property.
3. If niter nitjodication, or within tio days bofore it, he remores, conccals, or embezales nuy
pirt of
wirds.
4. If in enso any berame proves to his knuw. ledge a tilse debt ouder his baukrultey, he these not diselose tho fact to tho assigured within month of its coming muler his knowlowhe.
b. If he wilfully mulf fruuduleutly makhes nim iome frum his mehectule.
f. If he concenls his Looks \(\mathbb{R}_{\mathrm{c}}\). with interit th defrnul.
7. If he mutilates or falvilies them.
*. If ho fraudulently maker nway wit assigus preperty, knowing that her is wable mect his nggregato engngements.
8. If ho ntempts to aceomit for any of have pe perty by ilctitions lowses or experenes in trale t0. If heing a trader, threes monthstefore nt dication ho shafl have obtained goods on crete with intent to defraul.
11. If being a trader, he shanl three montia beforo nuljudicntion puwn, pledke, or dispos: fueds obthinesd on credit mad umpaid for, in but a bona tide trananction.
The remanining clanses are compuratively 0 importmit.
The relicdule G annexed to the Act contime list of the Aets and parts of Aets which haselve repented by that of 18 (1)
This Act gives, it will be seen, great and creasing facilities to debtors in escaping foum comseynence of their having incurred obligatie which they camuot fullil.
Fow persous at the present time defeed? prisonment for simple delt, and an clemint dishonesty in the procectings of the deter would nlone seem to cull for this puithmy (For further remarks on this subject, sec bas nurtcr.)
But though the nbolition of iuplrisonment debt to all practical purposes, aud tle itentifin

A Tuble of the rarious Kinds of Adjudication m Bankruptry, of the Disharges, Gross Pode of Estates, Dividends, fr.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline & & 186 & & & & 1 mb : & & \\
\hline & \[
\begin{aligned}
& \text { Tonilon } \\
& \text { Minitiet }
\end{aligned}
\]
Court &  Courta & County & Total & \[
\begin{aligned}
& \text { 1monlon } \\
& \text { Diptrlet } \\
& \text { Cuurt }
\end{aligned}
\] & Counery
Dhatrict
On Courts & \({ }_{\text {cosen }}^{\substack{\text { Count } \\ \text { Cours }}}\) & Tow \\
\hline Number of adjudtratiome of hankriptey. & 2,511 & 1,337 & 3,376 & 7,294 & 3,053 & 1,698 & 3, 360 & \\
\hline On pelltor dit cra: & 185 & 331 & 56 & 595 & 998 & 339 & i & \\
\hline On petidon of a debi- & 1,609 & 1,101 & 2,650 & 3,460 & 8,062 & 1,103 & 2,912 & 3,000000000 \\
\hline By memintran al the & 289 & 1:8 & 437 & 904 & 385 & 180 & 3\% & 1,4040040 \\
\hline On pretsions in & 870 & 3 & 233 & 456 & 308 & 8 & 11 & \\
\hline On Juilmentent debror & 8 & 1 & & 9 & 6 & \% & & \\
\hline Number ur malimil & & & & & & 8 & & \\
\hline of the bantrupt ex- & 1,501 & 1,501 & 167 & 9,972 & 1,870 & 1,663 & 800 & , \\
\hline Number where thy dretu & & & & & & & & \\
\hline  & 12,314 & & & S, \(3,3,38\) & 4, 4,235 & 1,196 &  & , \\
\hline coly & \({ }_{1}\) & 1129 &  & - 30.16 & 2,15] & cis & , \({ }^{1919}\) & \\
\hline & \& s. d. & E e. d. & \& \&. d. & \& 4. d. & 2.4. & ¢ A. \(d\) & 4.1. & \\
\hline Total amount of \({ }^{\text {amas }}\) & & & & & & & & \\
\hline The reveral luantruptic & & & & & & & & \\
\hline Total ars ount reallised & 267,1358 & 376,6:3 83 & 93,733 32 & 6:7,386 07 & -64,695 1711 & 33,991 91 & 5,N0 60 & \\
\hline liy creditors ast \(k\) need & 1:8,528 0 - 3 & 161,163 176 & 7,610 10: & 350,302 64 & 215,877 17 J & 303,42 191 & 3,16 & \\
\hline Total amount reallsed by official assignees & 68,607 611 & 212,181 10 9 & 16,144 147 & 32,233 123 & 48,81818 & 292,781 38 & 0,569 J 0 & \\
\hline Number of enser in & & & & & & & & \\
\hline mhichat diridemd was & 32.3 & 6.50 & 628 & \$.586 & 336 & 6;5 & \(6 \div 0\) & \\
\hline In which there was & 2,588 & 84 & 1,833 & 5,324 & 2,301 & ;99 & 2,027 & 4 \\
\hline In which Mrinend & & & & & & & & \\
\hline mas under 2 de. cid & \(\begin{array}{r}170 \\ \hline 19\end{array}\) & 137 & & \begin{tabular}{l}
888 \\
381 \\
\hline 104
\end{tabular} & & 14 & \% & \\
\hline S. & 39 & \% 88 & \% \({ }^{95}\) & \(\xrightarrow{198}\) & 87 & \({ }_{4}\) & 83 & \\
\hline , & 13 & 16 & 19 & 30 & 17 & 30. & 136 & \\
\hline lis. & \% & 11 & \(4{ }_{4}^{9}\) & \% 81 & \(11^{3}\) & \(1{ }^{6}\) & 10 & \\
\hline
\end{tabular}


Cush and Stock Balances on October 11, in each Year.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline & \multicolumn{3}{|c|}{1861} & & 1865 & \\
\hline & Cash & \[
\begin{aligned}
& \text { Exchequer } \\
& \text { Hills }
\end{aligned}
\] & Stock & Cash & Exchequer
Liflu & Stock \\
\hline ITankrupley fund account fienteral account Chief regotrar's account & \[
\begin{array}{ccc}
\boldsymbol{\Sigma} & d \\
2 f, 1<6 \\
\hline
\end{array}
\] & \[
\begin{array}{ccc}
x & d & d . \\
39,000 & 0 & 0
\end{array}
\] &  &  & \[
\begin{array}{cccc}
\& & s . & d \\
12 \pi, 809 & 0 & 0
\end{array}
\] &  \\
\hline Chief registrar's account Unclainned dividend account & \begin{tabular}{rrrr}
20,774 & 6 & 4 \\
2,621 & 5 & 3 \\
\hline 2
\end{tabular} &  &  & 21, 21000 & 125,409 00 &  \\
\hline The yurpuses of the 26ith & 2,621 303 & 11030000 & & 1,858 16 11 & - &  \\
\hline Provisional astignees' indemnity fund account & 1,13040 & \begin{tabular}{|ccc}
10,300 & 0 & 0 \\
\(\ldots\) &
\end{tabular} & 710 & \[
7,263 \quad 1
\] & 101,900 00 & 15651 129 \\
\hline
\end{tabular}
become so apparent that we cannot doubt that jected by the ereditors, the court will not enter at an enrly period the law will undergo farther tain the first offer from the bankrupt unless aire revision.

Bankruptry in Scotland.-The legal process by which an insolvent is declared bankrupt in Scotland is called a sequestration, and is derived in its general outlines from the cessio bonorum of tho civil code. The debtor may nply, by means of this process, for liberation from prison, and for protection acrninst the arrest of his person. Llis liberation will depend upon his conduct, which, if marked by fraud, extravagance, or concealment of his propery, will disentitle hirn to relief. If his prayer is granted, his estate is handed over to a trustee, in order to be divided among his creditors. But this process does not free him from his liabilities. Further, the debtor may bring about a sequestration of his estates, nnd obtain liberation from prison, and protection from arrest, and ultimately a discharge of his debts. To sue out this sequestration he requires the concurrence of a creditor to the extent of 500. or of two whose united debts amount to 70l., or of three to the extent of \(100 l\). In the process of a sequestration there is no difficulty in oltaining personal protection until the first meeting of his creditors, unless some creditor makes out a primâ facie case of frand against him. If he has beea imprisoned, thera is rather more difficulty in obtaining liberation. In any case protection from arrest or liberation from prison are refused in case of fraud or gross negligence. The sequestration may be annulled, and its advantages withheld from the debtor, within forty days after it is avarded; threc months in case the debtor's creditors reside for the most part in England or Scotland, provided cause be shown.

The 'sequestration' of the Seotch lnw supplies three official powers: the trustee, who manages the estate, and is liable to the creditors in case of negligence or miseonduct, being also entitled to adequate remuneration for the discharge of his office; three commissioners, who form a council to the trustec, and are elected from the creditors, and are with the trustee subject to the creditors; and the court, which may be the Court of Session or the Sheriffs' Court, as may be chosen.
The process of a sequestration may be interrupted by a deed of arrangement, which can be entered into by a majority (four-fifths in value) of the creditors who have vouched their debts. In the space of two months a deed is prepared, which, if it be signed by the above-named fourfifths in number and value, will be confirmed as binding on all the creditors.
Again, when the process of sequestration has been carried further, a composition may be offerel. If nine-tenths of the creditors in number and value agree at the first meeting, it is proposed anew at a seeond meeting of creditors, when an equal number of those present must agree to the completion of it. If the offer of composition be made at the second meeting of creditors, four-fifths of the creditors may carry it. But in case any offer of composition be retenths of his creditors si:mify their writing. Should the court be satisfied, it mak an order of discharge, and frees the insolvent his debts. As the bankrupt gires a boad fot to satisfaction of the composition, he is reinvestel his estates.
If the debtor does not obtain his discharre menns of a composition, and the sequestration completed, he is entitled to petition the court for discharge. To effect this he must obtain a cert ficate as to his conduct from the trustee. Th certiticate must be followed by the consent of th creditors to his petition. If the whole concur, can immediately petition the court. If he dela for six months, he needs the assent of four-iff only. At the expiration of twelve months to thirds are sufficient, of cighteen montbs a k majority, at two years no conseat at all is requir The court has power to suspend, postponc, orref the discharge, or to annex any conditions to which may be deemed expedieat. Though English liankruptey Bills (3) at present (18 under consideration of Parliament may probal be abandoned, on account of the impending dir lution, it may be well to state that Lord Chance Cairns, their promoter, has in view the reri to some extent of the distinction betreen trader and non-trader, and the separation of business connected with baakruptcy from thas insolvency. On the other hand, the Comm Committce in their Report of March 21,18 favoured the assimilation of the English to Seoteh law of bankruptcy. [Bankarterc.] INSURANCE. A contract of indemnity which one party engages, for a stipulated suan insure another against a risk to which heis posed. 'The party who takes upon him the is called the Insurer, Assurer, or Undernn and the party protected by the insurance is a the Insured, or Assured; the sum paid is a the Premium; and the instrument containing contract is called the Policy.
I. Insurance (General Privcipls II. Insurance (Mamine).
III. Insumance (Fire).
IV. Insurance (Life).

\section*{I. Insurince (Generali Priselilzz 0}

It is the duty of Government to assist, br means in its power, the eflorts of indiridar protect their property. Losses do not a arise from aecidental circumstances, but 4 quently occasioned by the crimes and mike of individuals; and there are an means so efif for their prevention, whea they arise froy sourec, as the establishment of a vigiant of police, and of such an administration of as may be calculated to afford those rho jured a ready and cheap method of ob every practicable redress, and, as far as pr of insuring the punishment of culprits.
tom coatsining rory ittle ground mowaility of fire in miget be found tha font daring the rere kant during e it here asce If tear, 1 house mumption that xif probability dras y yerars tog set macioll purposes st eud degre of probal Peitese its being tur the eseasiss of of eve deberered for ar areat daxy also that th osd by obscring mach ind whividuals tivaof humanale life wh treer slender grou Sinforid hold ia th mould s harat hat sir tutis as asleard the laut
arding of lemes is ta: ont of it; but when comparatively little
spite of all that may be done by Government, and spite of all that vigilance on the part of individuals, oither must always bo exposed to a variety of mperiy fisem tire, shipwreck, and other uninallues from ire, shipwreck, and other unfresien dissisers ; and hoidable losses, when they eqpining may be renderell least injurious.
The loss of a ship, or the contlagration of a The low is a calnmity that would press heavily wo on the richest individual. But were it distributed among several individuals, encli would thated amortionally less; and provided the numlefo those among whom it was clistributed were cer considerable, it would hardly occasion any anible inconvenience to any one in particular. sinible the advantage of combining to lessen the
Hene bijon arising from the necidental destruction of metry: and it is the diffusion of the risk of loss bras wide surface, nnd its valuation, that forms the employment of these engaged in insurance.
Thuagh it be impossible to trace the circumsanes which occasion these events that are on tat account termed aceidental, they are, notvibstanding, found to obey certain laws. The nanbel of births, marriages, and deaths; the pportions of male to female, and of legitimate to liegitimate births; the ships cast away; the bones burnt; and a vast variety of other appreatr accidental events; are yet, when our esprenene embraces a sufficiently wide field, fond to be pearly equal in equal periods of time; and it is easy; from observations made avos them, to estimate the sum which an indirdual sbould pay, either to guarantee his propety from risk, or to secure a certain bum for his heirsat his dcath.
It mus, however, be carefully observed that no conidence can be placed in such estimates unless the are deduced from a very wide induction. Suppere, for example, it happens that during the preet jear one house is accidentally burnt, in thme costaining 1,000 houses; this would afford rer itite ground for presuming that the average prowility of fire in that town was I to 1,000 . For it might be found that not a single house had been font during the previous 10 years, or that 10 reethat during each of these years. But suppaics it were ascertained that, at an average of Soras, 1 house had been annually burnt, the raumption that 1 to 1,000 was the real ratio Whe probability of fire would be very much trenghened; and if it were found to obtain for 3030 years togetber, it might be held, for all paiial purposes at least, as indicating the prerutegree of probability.
Peides its being necessary, in order to obtain 4etrie measure of the probability of any event, hen the series of events, of which it is one, should abierred for a rather lengtheued period, it is axsiry also that the events should be numerous, d prety frequent occurrence. Suppose it were cand by observing the births and deaths of Mownow individuala taken indiscriminately from mong the whole population, that the mean dutien of homan life was 40 Jears; we should have try slender grounds for concluding that this tro moold bold in the case of the next 10,20 , or frividuals that sre bom. Such a number is muall ss hardly to admit of the operation of at is called the lavo of average. When a large manes of lives is takea, thoso that exceed the surm term are balanced by those that fall art of it; but when the number is amall, there corparatively little room for the principle of dereastion, and the result cannot, therefore, apeaded upon.
It is found, by the experience of all countrice
in which eensubes of the population have been taken with considerable necuracy, that the number of male children born is to that of female children in the proportion nearly of 22 to 21. lut unless the observations be male on a very large scale, this result will not be obtnined. If we look at particular families, they sometimes consist wholly of boys, and sometimes wholly of girls; and it is not possible that the boys can be to the pirls of a single family in the ratio of 22 to 21. But when, instend of contining our observations to particular families, or even parishes, we extend them so as to embrace a population of 500,000 , these discrepancies disappear, and wo find that there is invariably a small excess in the number of males born over the females.

The false inferences that have been drawn from the doctrine of chances have uniformly, almost, proceeded from generalising too rapidy, or from deducing a rate of probability from sueh a nuuber of instances as do not give a fair average. But when the instances on which we found our conclusions are sufficiently numerous, it is acen that the most anomalous events, such as suicides, deaths by necidents, the number of letters put into the post-office without any nddress 8cc., form pretty regular aeries, and consequently admit of being estimated à priori.

The business of insurance is founded upon the principles thus bricfly stated. Suppose it has been remarked that of forty ships, of the ordinary degree of seaworthincss, employed in a given trade, 1 is annually cast away, the probability of loss will plainly be equal to one-fortieth. And if an individual wish to insure a ship, or the cargo on board a ship, engaged in this trade, he ought to pay a premium equal to \(\frac{1}{40}\) of the sum he insures, exclusive of buch an additional sum as may be required to indemnify the insurer for his trouble, and to leave him a fair profit. If the premium exceed this sum, the insurer is overpaid; and if it fall below it, he is underpnid.

Insurances are effected sometimes by bocieties, and sometimes by individuals, the risk being in either case diffused amongst a number of persons. Companics formed for carrying on the business have gencrally a large subscribed capital, or such a number of proprictors as enables them to raise, without difficulty, whatever bums may at any time be required to make good losses. Sucieties of this sort do not limit their risks to small sums; that is, they do not often refuse to insure a large sum upon a ship, a house, a life \&c. The magnitude of their capitals affords them the means of ensily defraying a heavy loss; and their premiums being proportioned to their risks, their profit is, at an average, independent of such contingencies.

Individuals, it is plain, could not act in this way unless they were possessed of very large capitals; and besides, the taking of large risks would render the business so hazardous, that few would be disposed to engage in it. Instead, therefore, of insuring a large sum, as 20,0001 ., upon a single ship, a private underwriter or insurer may not, probably, in ordinary cases, take a greater risk than 2001 . or 500l. ; so that, thougl his engagements may, when added together, amount to 20,0001 ., they will be diffused over from 40 to 100 ahips; and supposing 1 or 2 ships to be lost, the loss would not impair his capital, and would only leasen his profits. Hence it is, that while one transaction only may be required in getting a ship insured by a company, 10 or 20 separate transactions may be required in getting the same thing done at Lloyd's, or by private individuals. When conducted in this cautious manner, the business of
insurance is as safe a line of speculation as any in which individuala can engage.

To establish a policy of insurance on a fair foundation, or in such a way that the premiums paid by the insured shall exactly balance the risks incurred by the insurers, and the various necessary expenses to which they are put, including, of course, their profit, it is necessary, as previously remarked, that the experience of the risks should be pretty extensive. It is not, however, at all necessary that either party should enquire into the circumstances that lead to those events that are most commonly made the subject of insurance. Such a rescarch would, indeed, be entirely fruitless; we are, and must necessarily continue to be, wholly ignorant of the causes of their occurrence.

It appenrs, from the accounts given by Mr. Scoresby, in his valuable work on the Arctic Regions, that of 086 ships which sailed from the various ports of Great Britain for the Northern whale fishery during the 4 years ending with 1817, 8 were lost (yol. ii. p. 131)-being at the rate of about 1 slip out of every 73 of those employed. Now, supposing this to be about the average loss, it follows that the premiam required to insure against it should be 11.7 s .4 d . per cent., exclusive, as already observed, of the expenses and profits of the insurer. Both the insurer and the insured wonld gain by entering into a transaction founded on this fair principle. When the operations of the insurer are extensive, and his risks spread over a considerable number of ships, his protit does not depend upon chance, but is as ateady, and may be as fairly calculated upon, as that of a manufacturer or a merchnnt; while, on the other hand, the individunls who have insured their property have exemptel it from any chance of loss, and placed it, as it were, in a atato of absolute security,

It is easy, from the brief statement row made, to perceive the immense advantage resulting to navigation and commerce from the practice of marine insurance. Without the aid that it affords, comparatively few individuals would be found disposed to expose their property to the risk of long and hazardons voyages; but by its means insecurity is changed for security, and the capital of the merchant, whose ahips are dispersed over every sea, and exposed to all the perils of the occan, is as secure as that of the agriculturist. He can combine his measures and arrange his plans as if they could no longer be affected by accident. The chances of shipwreck, or of loss by unforeseen occurrences, enter not into his calculations. He has purchased an exemption from the effects of such casualties, and applies himself to the prosecution of his business with that confidence and energy which nothing but a feeling of security can inspire. 'Les chances de la navigation entravaient le commerce. Le systeme des assurances a paru; il a consulté les saisons; il a porté ses regards aur la mer; il a interroge ce terrible elément; il en a jugé l'inconstance ; il en a pressenti les orages; il a épié la politique; il a reconnu les ports et les côtes des deux mondes; il a tout soumis à des calculs aavans, ì des theories approximatives ; et il a dit au commercant habile, au nnvigateur intrépide: Certes, il y a des desastres sur lesquels l'humanité ne peut que gémir; mais quant à votre fortune, allez, franchissez lea mers, déployez votre activité et votre industrie; jo me charge de vos risques. Alors, Messieurs, \(8^{\prime}\) il est permis de le dire, les quatre parties du monde se sont rapprochées.' (Code de Commerce, Exposé des Motifs, liv. ii.)

Besides insuring against the perils of the sea.
and losses arising from accidents caused ly the operation of natural causes, it is common to insuro ngainst enemies, pirates, thieres, and even tho fraud, or, as it is technically termed, barratry, of the master. The risk arising from these eourees of casunlty being extremely
various, it is not easy to estimate it with any considerable degree of accuracy; and nothing more than a rough average can, in most cases, be looked for. In time of war, the fluctuations in the rates of insurance are paiticularly grest ; 30 the intelligence that nn enemy's squadron, of ereen a single privateer, is cruising in the cow any gice the ships bound to or returning fantancous ns port usually follow, causes the protection of trade during war necessaril' tends, by lessening the chances of capture, lessen the premium on insurance. Still, howera the risk in such periods is, in most cases, ven considerable; and as it is liable to change rem
suddenly, great cantiout is required on the part the underwriters.
Provision may also be made, by means insurance, against loss by fire, and almost all 4 casualties to which property on land is subject,

But, notwithstanding what has now been stat it must be admitted that the advantages denin from the practice of insuring agsinst losses by and land are not altogether unmixed with e The security which it aftords tends to relax ti vigilant attention to the protection of prope which the fear of its loss is sure otherwise excite. This, however, is not its worst efir The secords of our courts, and the experieno all who are largely engaged in the businesy insurance, too clearly prova that ships have b repeatedly sunk, and houses burned, in orde defraud the ingurers. Despite the ternptatian inattention and fraud which is thus afor there can be no doubt that, on the whole, practice is, in a public as well as privatep of view, decidedly beneficial. The frauds are occasionally committed raise in some de the rate of insurance: still it is exaetif moderate; and it is most probsbla that precautions adopted by the insurance officas the prevention of fire, especislly in great to where it is most destru \({ }^{j}\) e, outweigh the chr of increased conflagration rising from the grt tendency to carelessness and crime.

The business of life insurance has been cu to a far greater extent in Great Britsin the any other country, and has been productived most beneficial effects. Llfe iasurances a various kinds. Individuals without any near connections, and possessing oaly i fortune, are sometimes desirons, or are somed from the necessity of their situation, obl annually to encroach on their capitals should tho life of such persons be extended b the ordinary term of existence, they migg totally unprovided for in old age; and to themselves against this contingency, they p an insurance company the whole or a \(p\) ? their capital, on condition of its guarabt them, as long as they live, a certain annuity portioned partly, of course, to the amount sum paid, and partly to their age when the the annuity.

But though sometimes serviceable to indir? it may be questioned whether insurances o 8ort are, in a public point of vien, really tageous. So far as their influence extiong obvious tendency is to weaken the prince nccumulation; to stimulate individuals to smme their capitals during their own life, m

INSURANCE
Winking or Curing about the interest of thelr
sumesesers. Were such a practice to becomer suesesers Were such a practice to become
paral, it would be productive of the most ex uasirely ninous consequencus. The most exwhich most men take in the welfare of thest shich most men take in the welfare of their amiliss and friends nffords, indece, a pretty mealent. Yet there can becoming injuriously wis ellish practice may be strengthened that wrenitious menns; such, for example, as the paing of Goverument loans in the shnpe of life manities, or in the still more objectionnble form dmatines. But when no extrinsic stimulus of tis ort is given to it, there do not seem to to wr very good grouuds for thinking that the sle of snauities by private individuals or maitions can materially weaken the principle daxumulation.
Luckily, however, the species of insurance now remed to is but inconsiderable compared with lur riich has accumulation for its object. All makional persons, or those living on salariea or rgas acch as lawyers, physicians, military and arl officers clerks in public or private offices is nhose incomes must, of course, terminate vin weir lives, sind a hest of others, who are ther wet posiessed at pleasure, must naturally dispose dinn of proriding, so far as they may be abe ththe womprable subsistence of their fay be able, te reff 0 their death. Take, for example in Cyicus s lanyer, without fortune, but make, \(a\) ctana 1,NoU. or 2,000l. a-year by his businges, on mype that he marries and bas a familness; firiduidalal attain to the average duration of munblibe may nccumulate such a fortune of Ilporide for the adequate support of his family duyderth. But who can presume to say that cim nil be the case ?-that he will not be one de miny exceptions to the general be one Noppose ibat he were hurried into anal rule? m his family would necessarily be destituly i, is against such calamitous contingritute. wimesrance is intended chiefly to provies wrinial possessed of an income to provitle. empath, aqrees to pay a certain sum annually unvance office; and this office binds itgelf Th Th his ismily, at his death, a sum cquive madeduction of the expenses of managead che profits of the insurers, to what these mentranald amow, accumulated at compound ad the common to supposing the insured Though he were to die the day of human ranc has been ere to die the day after the nypprovided for as it his family \(y\) would be This accumulations were hely they would yduration. In all were his life of the mamed die before attainiug to and in which ther gain is ebvious; but to an average ambich their lires are prolonged those whary term, they are not prolonged beyond 3 py for a security which they must then wre been without. During the otherwom the time when they effoct whole manduration of the time when they arrive at 4uinst the risk of dying life, they arre prolumilies sufficieatly provided for; leaviag rlich they pay after having for; and the teru is nothing more thaving passed this the eccurity they previously enjompensatho insure houses arevinoust fire enjoyed. Of wao only have occasion to, a very small If for loses actually sustained an in\({ }^{2}\) ar of a sceurity against loss in ; but the dent is a sufficicut motive to in the event
prudent individual to 745 case of life insurance is in lis property. The When established on a proper footinet different. slims which those pay whose looting, the cxtra estimated duration is but the lives exceed the vions security.
In order so to adjust the the value of the pre-
that the pnrty insuring may nerms of an insurance nor too little, it is necessary that the pny too much of his life failing in eachsary that the probnbility be determined with as anuch acquent yenr should
To ascertain this probability, vacy as possible. tions have been made in differe various observapriods, showing, out of a different countrics and born in a particular country or place, of persons complete each subsequent year place, how many in it, till the whole becext year and how many die observations, whel collected and aresult of such tabuinr form, are called being entitled, of course, to mores of Mortality; according to the number more or less confilence served; the perioll when, and species of lives obthe observations were made the care with which, these tables to be formed with sufficut, supposing, the expectation of life at any afficient nccuracy; (luration after such age, may age, or ita mean from them; and hence, malso be readily learned nuity, of an assurance on a lise the value of an anin the Table of Mortality for Cor any age. Thus, Mr. Milne, of the Sun Life Carlisle; framed by believed to represent the ave Office, and which is in England with very considerablaw of mortality of 10,000 persons burn together, accuracy, out their 56 th year; and it further, 4,000 completo number of such persons who appears that the year is 124 ; so that the who die in their 66th now 56 yeara of age will probability that a life year hence is \(\frac{124}{4,0, w^{\circ}}\). But reckoninge in the 10 th percent., it appears [ that the prescut value of 1002 and Anvuities] years hence is \(67.556 l\).; consequ be received 10 mipt be made to depend upequently, if its rethat a life now 56 ycars of ape probability the 66th year, its prescut value age will fail in by that contingeacy to \(124 \times 67.3651\) be reduced \(2 l .1 \mathrm{~s} .10 \frac{1}{d}\). The present value of 1002.0941 ., or upon the life of a party now 56 of 1001 . receivable nating in the 57 th or any sub 56 vears of age termilife, up to its extreme any subsequent year of his the Carlisle 'Table, is thmit (which, according to culated in this way, the sum of year), being calthe present value of \(100 l\), receivable whole will bo life may fail, that is, of receivable whenever the posing no additions were made to it upon it, supand expenses of the insurers. More compendious procers.
calculating tables of insurances are reaorted to for the above statement sufficiently all agea, but principle on which they alf a life insurance is seldoin depend. In practice, of a single sum when it is alwaya by the payment of an affed, but almost during its continuayment of an arnual premium at the commencement of the first being paid down method of calculating these insurance. (For the posi, Interest and a these annual premiums, see Mortality adopted by the insurers ffithe Table of the law of mortality the insurers fairly represent sured, it follows that prevailing among the innot eitain to the average a party insured does table, the insurers will age according to the realise less than their ordinather lose by him or on the other hand, the life ory protit; and when, prolonged beyond the tabular in insured party is of the insurers are proporionally inge, the profits if their business be so extenally increased. But

Inw of averace fully to apply, what they lose by premature denth will be balanced by the payments received from those whose lives are prolonged beyond the mean duration of life for the ages at which they were respectively insured; so that the profits of the society will be wholly independent of chance.

The relief from nnxicty nforded by life insurance very frequently contributes to prolong the life of the insured, nt the snme time that it materially augments tho confort and well-being of those dependent on him. It has niso an obvious tendency to strengthen habits of accumulation. An individual who has insured a sum on his life would forfeit all the advantages of the insurance were he not to continue regularly to make his annual payments. It is not, therefore, optional with him to save a sum from his ordinary expenditure adequate for this purpose-he is compelled, under a heavy penalty, to do so; and lanving thus been led to contract a hnbit of saving to a certain extent, it is most probable that the habit will acquire additional strength, and that he will either insure an additional sum or privately aceumulate.
The practice of marine insurance, no doubt from the extraordinary hazard to which property at sea is exposed, seems to have long preceded insurances against fire and upon lives. We are ignorant of the precise period when it began to be introduced, but it appears most frobnble that it dates from the end of the fourteentlo or the beginning of the fifteenth century. It has, however, been contended by Loccenius (De Jure Maritimo, lib. ii, c. 1), Puffendorff (Droit de la Nature et des Gens, lib. v. c. 9), and others, that the practice of marine insurnnce is of much higher antiquity, and that traces of it may be found in the history of the Punic wars. Livy mentions that during the second of thesc contests the contractors employed by the Re mans to transport ammunition and provisions to Spain stipulared that Government should indemnify them agninst such losses as might be occasioned by the enemy or by tempests in the course of the voynge. ('Impetratum fuit, ut que navibus imponerentur ad excreitum Hispauiensem deferenda, ab hostium tempestntisque vi, publico periculo essent.' Hist. lib. xxiii. c. 49.) Malynes (Lex Mercatoria, 3rd edition, p. 105), foundiag on a passage in Suctonius, ascribes the first introduction of insurnnce to the emperor Claudius, who, in a period of scarcity at Rome, to encourage the importation of corn, took upon himself all the loss or damage it might sustain in the voyage thither by storms and tempests. ('Negotiatoribus certa lucra proposuit, suscepto in se damno, si cui quid per tempestates accidisset, et naves mercatura causâ fabricantibus magne commoda constituit.' c. 18.) It is curious to observe that this stipulation gave occasion to the commission of acts of fraud similar to those so frequent in modern times. Shipwrecks were pretended to have happened that never took place; old, shattered vessels, freighted with articles of little value, were purposely sunk, and the crew saved in boats; large sams being then demanded as a recompense for the loss. Seme years after, the fraud was discovered, and some of the contractors were prosecuted and punished. (Lib. xxv. c. 3.) But none of these passages, nor a similar one in Cicero's letters (Ad Fam. lib. ii. c. 17), warrant the inferences that Loccenius, Malynes, and others have attempted to draw from them. Insurance is a contract between two parties; one of whom, on receiving a certain premium (pretium periculi), agrees to take upon himself the risk of any loss that may happen to the property of the other. In ancient no less than in modern times, every one
must have bean desirous to be exonerated fros the chance of loss irising from the exposure property to the perils of the sea. But though, the cases referred to, the carriers were exempte from this chance, they were not exempted by contract propter aversionein periculi, of by an in surance, but by their employers taking the ris upon themselves; and it is abundantly obvine that the ohject of the latter in doing this was no to profit, like nn insurer, by dealngg in risks, br to induce individuals the more reaiily to under take the performance of an urgent pablic duty.

But with the exception of the irstances in mentioned, nothing bcaring the remotest semblanco to an insurance is to be met with till comparatively recent period. If we might rely a passage in one of the Flemish chronicic quoted by the learned M. Pardessus (see his e cellent work, Collection des Loix Maritime., to i. p. 356), we should be warranted in concludia that insurances had been effected at Bruges enrly ns the end of the thirteenth centrry; the chronicler states that in \(131!\) the Farl Flanders consented, on a requisition from inhabitnnts, to establish a chamber of insurance Bruges. M. Pardessus is not, however, iaclir to think thet this statement should be recraded decisive. It is evident, from the manner in wh the subject is mentioned, that the chronicler not a contempornry; and no trace can be for either in the archives of Bruges, or in any suth tic publicntion, of anythiag like the circamstr nlluded to. The earliest extant Flemishlaws insurance is dinted in 1537, aad none of the maritime codes of the North so much as allude this interesting subject.

Beckmann seems to have thought that practice ca insurance originated in Italy in latter part of the fifteenth or the carly part of sixteenth century. (Hist, of Invent. vol i 'Insurance.') But the lesmed Spanish anting Don Antonio de Capmany, has given, in his valuable publication on the history and comm of Barcelona (Memorias Historicas sobrela lla \&c. de Barcelona, tomo ii. p. 883), an ordin relative to insurance, issued by the mapistrat that city in 1435, whereas the earliest tadis on the subject is nearly a century later, dated in 1523. It is, however, exceedingly likely, had insurance been as early practis Italy as in Catalonia, that the formershoold been so much behind the latter in subjectivg any fixed rulce; and it is still more unlikely the practice should have escaped, as is the all mention by any previous Italian writer. therefore agree catirely in Capmsay's op that, until some authentic evidence to the trary be produced, Barcelona should be reat as the birthplace of this mest nseful nnd bem application of the doctrine of chancea. ( p. 237.)

A knowledge of the principles and pruct insurance was carly brought into England. cording to Malynes (Lex Mercat. p. 100 ), first practised amoagst us by the Lombard were established in London from a very I epoch. It is probable it was iatroducedo about the beginuing of the sixteeath century it is mentioned in the statute 43 Eliz. a which its utility is very clearly set forth, had been an immemorial usage smung merg both English and foreign, when they mat great adventure, to procure insurance to be on the ships or goods adventured. From may reasonably be sapposed that insurang been in use in England for at least a centim vious. It appears from the same statute that
orimatly yose nith 'gare and Land Mayo the practio Chancellor dinsurauce the powes Bat this cou tat is sing dunvof itsp
melim Dise frime Dise. Fer quest
ame beffre tl ame befire tl the mildle 0
Led Yansfiel land lansfice ince, and in lir upon this: buthamed on \(n\) ralations of ; titles of publi ist beea sancti aprieace, II masquired by erchants, and anist; and 3y ach Ordinan jasted body 0 wantr bas ever pretaniresess al ond the rappect \(t\) dmowere, toms in of insurance in ef minuance
then apy other then wify other
breach of that nI Cicero has said, Alemeniz, slia nun yates et omini tem numalis conting axi magister c ingm lib, üi, de hannace agninst wa ongin than in解. The form anined on 8 m least hir nearly a minalle Society, if thatibea by chsr - Royal Exchan cepanjes begsa to the reign of \(\mathrm{G} \in\) cutry ras establis mates of lifo insu wind the basiness a rery ill anders no be sand to \(h\) s buangst us till whing the judicion Mastanding the ex the Cootinent. thiden by the Fre (tit, 6, art, 10); dit is doubtisned at mosistent with the inace, though it
is inance, But wo What of security 4lations, has been Whateress of life i Whaterer disadvan be productive, it fecilities it has
erated from exposure at though, ere exempte cempted by , or by an in king the rist lantly obrion g this was no \(t\) in risks, bu dily to umler public duty. instances no remotest met with till ve might rely ish clironicle sus (sec his e Maritimes, to d in coneludi ed at Bruges nth centnry; 1311 the farl risition from er of insurance however, ioclir uld be tecarded manner in wh the chtonidet race can be for 4, er in any auth ke the circams it Flemish law d none of the
thought ths ted in Italy the carly part of Invent. rol. i d Spanish antiquy as given, in ais istory and conve pricas sobrela Ma 383), an ording he earliest Italis century later, er, exceediagly early pracisa he former should er in subjectiog 11 more unlikely aped, os is the Italion writer. Capmsoy's op evidence to the - should be res It useful and be of chances.
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that insuraw
t least 3 century mestatute that
minally beea usual to refer all disputes that mex with respect to insurances to the declsion of apme with and discrect' merchants appointed by tho fid jlsyor. But abuses having grown out of hi prectice, the statute authorised the Loril wiancllor to appoint a commission for the trial cuncellor to cases; and in the reiga of Charles II dinamance cases; commissloners were enlorged. the porers of the commissioners were enlarged. Bat ihis court boon after fell into disuse; nnd, Bat is is singular, no trace can now bo discovered inrof its proceedings. (Marshall On Insurance, perinin Disc. p. 26.)
Far questions as to insurance seem to have oun befte the courts at Westminster till after ter midde of last century. The decisions of Lad Mansfield may, indeed, be said to have fred sad in a considerable degrec formed, the har opn this subject. His judgments were not Wucmed on narrow views, or on the municipal malations of England, but on those great prindides of public justice and convenience which adbea sanctioned and approved by universal aptence. Ilis deep and extensive information nu required by coasulting the most Intelligent werthants, and the works of distinguished iorcign jinsts; snd by carefully studying the famons frach Ordinance of 1681 , the most almirably dusted body of maritime law of which any conery has cver had to boast. Hence the compateniseness and excellence of his decisions, mad the repect they have justly commanded in ill wantries. (Emérigon's famous Traité des Aucoxem tome ii. p. 67.) In his hands the lar dinsurace became, in a far greater degree then ur other department of English law, a bramed of that national or public law of which Cireo has said, 'Non crit alia lex Romes, alin Itheris, slia nunc, alia posthac, sed et omnes rates et omai tempore una lex et sempiterna, et fumalis continebit, unusque erit communis pus magister et imperator omniam Deus.' (hym, lib. iii, de Republicâ.)
larance against fire and uponlives is of much hea agin than insurance ngainst the perils of the whe former, however, has been known mid anied on smongst us, to some extent at baty in aearly a century and a half. The Lamade society, for insurance upon lives, was yitulitibed by charter of Queen Aune in 1706 ; * Roral Exchange and London Assurance papaies began to make insurances upon lives The rign of George I.; and the Equitable wity Fas established in 1762. But tho ndmags of life insurance, and the principles on he thasiness should be conducted, were m rery ill uaderstood; and the practice can why be sad to have obtained any firm footp mongst us till the Equitable Society, by Pting the judicions suggestions of Dr. Price, gni its career of prosperity about 1775 . Notilsunding the exsmple of England, life inmaxe has made comparatively little progress be Cootinent. It was, indeed, expressly widen by the French Ordinance of 1681 (liv. tit. 6 , art. 10); by the regulations as to mane issaed st Amsterdam in 1612 (art. 24); Wit is doubthul whether the practice be not mastent with the 334th art. of the Code de marce, though it be now extensively carried it cance. But we are inclined to think that rant of security, more than any positive Whtions, bas been the principal cause of the a progress of life insursnce on the Continent. materer dissdvantages our large public debt \(T\) be productive, it is not to be doubted that Lucitites it has afforded for making inweats, and the punctuality with which the
nutionnl engagements have been fulfilled, havo been the principal causes of the extraorlinnry extent to which the business of life and even tiro insurance has been carricd in this country.

\section*{II. Insuminge (Marine).}

There are fow persons who nee not nequainted in some degre with ire and life insurances. The security vinich they afford to individuals and families is a luxury which noboly in tolerably comfortablo circumstnnces is willing to be without. IIence the grent increase, in our dnys, of companies professing to afforl this security; and hence the knowledge, on the part of the public gencrally, of the nature and principles of the engagements into which these companies enter. But marine insurance is a subject which is of more immediate interest only to merehants, slip-owners, and unierwriters; unless, indeed, we should refer to that small portion of the community who have occasion to transport themselves beyond seas with capitnl and effects for purposes of colonisation, or to fill some officinl situation. Hence the comparative indifference on the part of the public as to this sulject. The genernl principles, however, of all insurance are the snme and in treating of marine insurance, it will be necessary to notice little beyond such topics as are peculinr to that branch of the business.

Individual Insurers or Underwriters.-The first circumstance that cannot fail to strike the general enquirer into the practice of marine insurance in this country is that, while all tire and life insurances are mado at the risk of companies, a largo proportion of marine insurances is made at the risk of individuals; that risk, however, being split up so as to include in the guaroatceshipa large number of persons. [UNDERWhiting.]
Prohibition of Companies.-Till 1824, all firms and comnanies, with the exception of the two chartered companies, the Royal Exchange and Loudon, were prohibited by law from taking marine insurances. Towards the latter end of that year the prohibition was removed, and the business of marine insurance was placed on the same legal footing as other descriptions of business. While the restriction lasted, the two chartered companies did so little business that marine insurance might in fnct be said to be wholly in the hands of individuals. These companies were so much higher in their premiums, and so much more exclusive in the risks they were willing to undertake, than their individual competitors, that merchants and shipowners were obliged to resort to individual underwriters. And it was only when the repeal of this absurd restriction was proposed, that the companies showed, by defending it, that they set any value upon their privilege. The underwriters at Lloyd's joined them in this opposition; and pamphlets wero written, and speeches made, to demonstrate how much merchants and shipowners would suffer, were the law to allow them the free use of their discretion in insuring their property, and how much more conducive to their interests it was that they should deal with Lloyd's rather than companies.

Formation of Companies.-There are at present (1868) 20 marine insurance companies in London. These number among their proprictors or shareholders some of the most eminent merchants and ship-owners of the city of London, who bave united for the double purpose of providing security for their property, and ascertaining whether the insurance business might not be
made to vileld a fair return to the capital employed in it. Severnl similar companies have also lieen formed since 1824 in different parts of the kingdom.

Moule of conducting Businest.-We shall now givo au account of the existing arrangements for conducting the business of marine insurance, as well by individuals as the companies in Lonilon.

Lloyd's.-The individual underwriters meet in subscription-rooma at Lloyd's, and under the name of underwriters are included the joint-stuck companles. The joint affairs of the subscribers are managed by a committee chosen by the subscribers, the insurance companles being included in the list, as they in fact must depend upon the oflice entlrely for their information. Agents (who are commonly atyled Lloyil'a agents) are appointed in all the principal ports of the world, who forward regularly to Lloyl's accounts of the departures from and arrivals at their porta, as well as of loages and other casualties; and, in general, all such information as msy be supposed of importance towarils guiding the judgments of the underwriters. These accounts are regularly filed, and are accessible to all the aubseribers. The principnl arrivals and losses are, besldes, poated in two books, placed in two conspicuons parts of the room ; and also in another book, which is placed in an adjoining room, for the use of the public at large.

The rooms are open from 10 o'clock in the morning till 5 oclock in the afternoon, but the moat considerable part of the business is transacted between 1 and 4. A slip showing the particulars of the insurance required is in the first place submitted to the underwriter, and is initialed by him in accepting the risk, and when the policy is presented for subscription he compares it with the slip which he has already initialed. Though the initial to the alip is not legally binding, no underwriter would refuse to recognise his liability if the loss occurred between the initialing of the slip and the signing of the policy. The form of the policy is subjoined to thia article.

The premium is not always paid to the underwriter in ready money, but is passed to account. Nor does the underwriter debit the account of the person to whom he subscribes a policy with the whole amount of the premium, but with the premium less 5 per cent. Whenever losses occur which more than absorb the premiums on any one account, the underwriter is called upon to pay the balance. But should the underwriter's account be what is called good, that is, should the premiums exceed the claims, he aends round, during the spring and summer, to collect from lis various debtors either the balance of his last ycar's account, or money on account, according to hia judgment; but, upon what he reccives, he makes an allowance of 12 per cent. An underwriter, if prudent, therefore, before he consents to receive, will not only look to the goodness of his account, but to the probability of its continuing ao.

Insurance Brokers.- The larger part of the insurances at Lloyd's is effected by lirokers. Some merchanta, however, transact their own inaurance business. But the majority give their orders for insurance to others, who undertake it for them, and are responsible for its proper management. These latter persons are called inaurance brokers, and some of them manage the business of a number of principals. To them likewise are tranamitted the orders for insurance from the outports and manufacturing towns. They charge the whole promium to their principals, and their profit consiats in 5 per cent. upon the premium, 12 per cent. upon the money that they pay to the under-

Writers, and ber cent. that they deduct from the claims which they recover from the unden
writers. It is proper to remark that this th writers. It is proper to remark that this is the established or regular profit; but competition ha occasioned numerous devlations from it by th brokers, many of whom consent to diride the profit with the principals who employ the The insurance brokers are not unfrequentl| underwritera also; and as some lnsurances a congldered far more lucrative than others unilerwriters, and as the brokers have particut facilities, in some respects, of juilging of goodness of their own risks, so likewise have th an inducement to play into one another's hand and they do so accordingly. [Bnokens.]

Cluba,-Besides the individual underwit and companies above noticed, there are clubs associations formed by slip-owners, who atm each entering hia ships for a cericin amount, rlivide among themselvea one another's These clubs are institutions of long standin but, since the alteration of the law in 18 appear to be on the decline. As a rule, ev insure ships only. Thelr formation origina in a twofold reason: 1 , that the underwith charged premiuma more than commensur with the risk; and, 2, that they did not aft adequate protection. To avoid the first these two evila, instead of paying a fixel mium, they pay amung themselves the act losses of their several members as they oce and to avoid the second, they lay down ctut principles of settlement in accorlance with t views of indemnity. Each member of one these clubs gives his power of attomey to selected manager, and this manager issur policy for each ship, which policy is sutsen by him as attomey for all the members, the mium inserted in the policy being undersmy be nominal. Theae clubs are open to the lex objections that apply to individual undernil for the members are not collectively, but individually, liable to those of their number happen to sustain a loss : and the delay of of ment is such, that mere than \(\mathrm{J}: ~ m o n t h s\) : been known to elapse be'ore th.a payment loas has been obtained from all che members.
Rate of Premium.-Little need be said the circumstancea that influence the rat preminm demanded by the insurers. It mes self-evident that premiums will vary scoos to the seasons, the quality of the ressel, known character of the captain, the nature of commolity, and the atate of our political relef All theae, of course, are matters upon which individual must exercise his own digere partly from general experience and partly particular information ; exaggeration of risk, consequent exorbitancy of premium fot length of time, being out of the question. \({ }^{\text {m }}\) so many individual underwriters, in additi the companies, are in competition with another, and where the merchants hare meaus at band of effecting their insury abroad. The premium, which in a mall mnnity is generally arranged by consent of insurance offices and clubs on thespot, at 4 is fixed in the geveral market. In fact, Llow an open market for insurance. Wa hava alf taken notice of the intelligence of which \(L\) is the focus. In addition to this, there is 2 scription register book for hipping maina by the principal merchants, ahip-owners, underwriters. This book professes to giv account of the toanage, build, age, repairs quality of almest all the vessels that fer our ports; and, although exceedingly defe
in many inuress, ytair own
hery deduct from er from the unden ark that this la the but competition ha olls from it by the ent to divide th? who employ them not uiftequently ome insurances a ve than others kers have particule of jutging of th - likewise have the ne another's hand [BnoкеRs.] vidual undervitite , there are clubs owners, who agre acertain amount, te another's loses of long standin the law in 18 - As a rule, du ormation originat the underwit han commensurf they did not alf woid the first aying a fixed p mselves the ach bers as they oce ey lay down cert cordance with th member of one of attomey to manager issue policy is aubscril members, the being uaderstoo open to the lead idual underwith illectively, but a \(r\) their number the cielay of at an 18 months \(h\) 3 ti.e payment 11 che niembers. need be said a luence the rat asurers. It mas will vary accore of the ressel, in, the nature of ur political relat ers upon which is own discrey cee and partly geration of risk, premium for the question. ters, in alditio apetition with lerchants have \(g\) their insurs h in a mall 1 by congent of the spot, al Ll ll In fsct, Llory We bare ald ce of which La this, there in 2 uipping maints ship-otmers, ofesses to gir i, age, repairs, essels that free ceedingly dele

\section*{insurance}
 frudif onta observation the particulars of ing Wolthe ships they are called upon to insure.

Thuing from a breach of Nutions,- 111 losses

\section*{Comtract of Inguinance}

Bring thus given a perteral outline of the wow ond insured, and tho means usen the inWh both partics to come, as near used to enmidue etimate of the risk to be ins as possible, nurenow to explain the nature of the against, silbe beaniog of its moro important the contract aibe beaniog of its moro important clauses. liv innocessary to state that the object of those wise engaged in commerce, or in movin mide or merchandise from one part of the world prime all the expenge of a price that, after por marleave then a surplus in thert, the sale pa malleave then a surplus in the shape of pui. If there were no such contrivanco as mance, merchants would be obliged to calcudid punerty, and to regrulato occasional loss of wrevinglr; but it must be obvious transactions manimply; but it must be obvious that enterwas tader such circumstances, would be very mad rippled. Now, insurance, in as far as it mpuces neffection in guaranteeing the mermand yunst all loss except that of the market, abaitutes a fixed charge for uncertaln and connyat has, and enables him to confine contuationecdusively to price and quality and his durge of transport; in which latter, of course the paimen of insurance is included. m a patice, iasurance is by no means dent pontction, either to the by \(n o\) means a mone, puint all loss that mayerchant or shiptor we eren after insurance, anmaing to be taken into considerationdre do not know that we can do better Wexplaining the contract of insurance by Tw ar the losses and succinctly as possible, ar ad shipowner are not which the merwancelfected in this country protected by an 1. 4ta of our oun o country.
iey from the acts of ourninent,-All losses min embargo were laid on Government. whltr a particular quarter, and the merchant sondenned to his goods; or if his ghant mpoosly destroye destroyed in quarantino naty part of his loss wea by some of our the insyrer, The insurer in be made good and lable for the insurer in this country, wible for such acts of foreign powers, drof their own subjects directed against the th insured in this country, Thus, if French if the French Government, were confisHreno remedy againat his ingure owner Proches of the Revenre his insurer.
fom a breach of the revens,-All losses a cherred, that if the owner olaws. It act, expose \(\%\) goods of the of the ship, te merchasa! so goods of the mercliant to mover from his insurers, although he canIt may also be observed may claim fromnof the vessel, by observed, that if the mur of the ship nor the act, to which neither cthe abip sad cargo to merchant is a party, cuse are bound to to loss, the insurers soress being lisble for all good the loss ; the acts of the captain and are arising the owner of the captain and crew, suprgal acts of the captain and crew accessory. instructions and without the crew, contrary a are termed 'barratry' in the consent of the atri.] lermed 'barratry' in the policy.

Thus, if auy port is co of the law of natlons. to bo in a siate of blockeded by a forcign power acknowledged by our Gade, and such blockade is in detlance of ther Government; and if a ship the blockade, and notification, attempt to break insurer is not liablo to the in tho attempt; the happen, when a port is the loss. It will often protit is so great upon under blockade, that tho fiance of tho blockade as to temptroluced in debreak it, and to enable them to to apt adventurers to premium to insure them to afford a very hight policies for such an objainst the risk. Jut us in our courts of law, whect not acknowled as huderstood to be policies when eflected, they ard kind of policy is adopicies of honour. They aro protect foreign merclinuts by the underwriters to this country against British who prefer hasuring to 4. Consequences of Bitish capture.
sequent to any deviation frion.-All losses subpolicy. Thus, if a ion from the terms of the produce from the \({ }^{\text {a }}\) inerchaut, in a policy on rant the ship to sail on Indles to London, warthe slip sail after that before August, warinsurer is exonerated that day and be lost, the from London to Lision, Or, if a merchant insure Hayre and is afterwards lost the ship call at iable. It will be understood, the insurer is not owner of the ship is liable to the course, that the any breach of contract on bis to the merchant for tho insurer is liable for tho barratry as well as that a deviation on the part of the tended for the benefit of of the master, not into his instructions, being the owner, and contrary Should the owner of theing considered barratry. sccurately the voyage for whinglect to describe insured, the loss would be which he wishes to be own negligence.
There is
which it will here be proper to notice with barratry owner or part owner of the ship in we. A captain, wornot commit an act of barratryich he enils, Words, the insurers are not barratry. In other for an act of his which in such a case other barratrous. The equity of this doctrinerwise bo regards the interests of the doctrine, as far as cannot be called in ques the captain himself, understand why the merch; but it is difficult to on board such a captain's vessel who ships goods permitted to insure, among vessel should not be the captain's illegal acts. a clause has occasionally been ine heard that policies to protect merchants introduced into owners, and we do not suppose against captainlaw would refuse to enforcose that our courts of deed, we cannot discover anych a clause. Inparty, saving the captain any reason why every power of insuring against should not bave tho illegal acts of the against the consequences of among the life offices captain. We believe that from loss by suicide which protect themselves thero aro some which and the hands of justice, favour of those who marelye a distinction in lives of others as a collateral policies on the proprsety of such a distinction mecurity. The ody.
5. Unseaworthiness unsesworthiness. Unseaw losses arising from caused in various ways aworthiness may bo want of stores, want of as want of repair nautical ingtruments, of provisions, want navigate the veats, insufficiency of want of master. It might be supposedpetency of the that insurance affords a mosed, at first sight, security than it really does much less perfect pleas it is possible for the insurer on how many
liability; but when it is considered that the proof of unseaworthinesa is thrown upon the defendant, and that the leaning of the courts is almost nlways in favour of the insured, it will be easy to suppose that no respectable insurers would ever plead unseaworthiness unlesa they could make ont a case of more than ordinary strength and clenrness. The degree of uneasiness felt by merchants ami ship-owners at their liability to be involved in lass by cases of unsenworthiness may be guessed from the faet that although the Indemnity Assuranee Compnny at one tine precluded themselves from pleading unseaworthiness by a special clause in the policy, not only diil they obtain no ndditional premium in consequenee thereof, but they dld not even obtain a preference over other companies and individuals at the same premium. At lenst, this faet must cither be adnitted ns a proof of the absence of uneasiness on this head, or of that inveteracy of habit which seems to lead the great bulk of mankint always, if possibie, to coutinue undeviatingly in those courses to which they are necustomed, even where the benefits to be derived from a deviation are undeniable.
6. Protraction of the Voyage.-All loss arising from unusual protractidn of the voyape. Thus, if a ship meet with an accident in the llaltic. and the repairs detain the vessel till the close of the season, when the nassage home is rendered impracticable by the ice till the opening of the ensuing season, no payment is made to the merchant in mitigation of his loss fron: \({ }^{\text {anterest }}\) of money, loss of market (if the market fasi), or deterioration in the quality of his goods (unless arising from actual sea damage) ; nor to the shipowner, in mitigation of his loss from the extra wages and maintenance of his crew. In most foreign countries the ship-owner is remuncrated by the insurers for the wages and maintenance of his crew while his ship is detained in consequence of any loss for the making good of which they are liable.
7. I, iability for doing Damage to other Vessels. -All loss to which the ship-owner is liable when his vessel does damage to others. According to our laws, the owner of every ship not in charge of a pilot, that does damage, by negligence of the master and crew, to any description of craft or vessel, is liable to make good the same to the ertent of the value of his own ship and freight; for beyond this he is not liable. The common policy in use among the underwriters at Lloyd's does not protect the shipowner from this loss. But there is now a collision clause in many of the companies' policies. The clubs or associations, too, before mentioned almost universally take this risk. Indeed, this is one of the purposes which gave -ise to their formation. Even they, however, limit their liability to the amount of the policy; so that if a ship ins. a with them were to run down another, and to sink herself in the collision, the owner would only receive the value of his own vessel from the club, and still be liable to the owner of the other vessel. A custom has gained ground, both among the underwriters at Lloyd's and the Insurance Companics, to admit their liability by a clnuse in their policies for \(\frac{3}{4}\) of the loss which the owner of the vessel insured with them may sustain from damage done by his vessel to those of others. If such a case as the one just supposed should oceur, the insured would receive by virtue of this clause the value of his own vessel and \(\frac{3}{4}\) of the loss to be made good by him to the owner of the other vessel.
8. Average Clause.-The next deseription of loss of which we shnil treat, against which the
insured are not protected, la ileseribed in the following clause of the proiicy \(:\) 'Corn, fial, salt, seed, flour, and fruit are warranted free frum average, unless general, or the ship be stranded sugar, tobacco, hemp, flax, hides, and skiny aro warranted free from average under 5 pint at unless general, or the ship be atrandeli cear other goods, also the ahip and frelght, ane wat ranted free from nverage uuder 3 per ceut, war generai, or the ship be stranded.

The lauguage employed in
techalenl, requires explanation clause, bein intelligible to the general reader to render it namo applied to certain deacrip. Averus is which the merchant and ship-owner are liat There are two kinds of avernige, general particular

General Average comprehends all loss aris out of a voluntary sneritice of a part of cith vessel or cargo, made by the captain firt benefit of the whole. Thus, if a cesptain thre part of his cargo overbonrd, cut from an andeb and cable, or cut away his masts; the loss sustained, being voluntarily submitted to for t beneflt of the whole, is distributed over the ral of tho whole ahip and eargo, and is call 'general average.'
Particular Average comprehends all lass o sioned to ship, freight, and eargn, which is not so serious a nature as to debar them from reachif their port of destination, and whea the dam to the ship is not so extensive as to render unworthy of repnir. Losses whicre the goods saved, but in such a state as to be unfit to fers to their port of destination, and where aee es is rendered unfit to repair, are called 'pa' or salvage loss.' The leadiug distinction tween particular average and salvage less that, in the first, the property insured rens the property of the assured-the damage talned, or part thereof, as the case my and as will be heresfter explained, being ix good by the insurer; and in tho scoond property insured is abandoned to the ins and the value insured claimed from him retnining the property so abaadoach, of value.

Particular Average on Goods.-A fen a illustrative of the method of ststing a clim particuiar average will best explaia the mat of this description of loss, sad rill at the time show the reader what the prectial tinction is between particnlar average and ar loss.
The property insured we shall suppose \(n\). ton of hemp, the cos: of which at Petentur 30l., for which sum it is insured from Petern to London, and that the duty, freight, charges to which the merchnot is ssbio landing at London are 10l. We shall fer suppose that the hemp, on its arima damaged as not to be worth more than half it would have fetched had it beea sound insurer would then be called upon to mate to the insured 151 ., or 50 per cent, uppo be insured. But it does not follow thst this ment of 151 . would indemnify the merchas that it would not more thsa indemaif hif the loss sustained.

If the hemp upon arrival in thls country woold
have fetched the esound ssate
Less duty, freight, and charges:
But in tes damaked state fo orls worth -
Less duty, freikht, and chargra:
The merchant's los by the damsee es
Whereas he only receives from the insurea is, I a salvage loss he would also receire 15 .
descriter in the \(y:\) 'Curn, fish, salt, varranted free fromin e ship be stranded; Ildes, and skins are - under 5 per cent? - atrandelf a and all ad frelght, are war. er 3 per ceat., tunlase ef.'
n this clause, being tion to render it eader. Averay in ucriptiona of lose to dp-owner are latile verage, geueral and
cuds all loss arising of a part of cither the eaptain fin the 4, if a captain thr , cut from an ancho masts; the loes s submitted to for th buted over the ralu :argo, and is callo
rehends all loss oox carmo, which is aot ar them from reachit ad when the dama sive as to rendet ? S whiere the goods to be unfit to form , and where we sh \(r\), are called 'pant ading distinction and salrage loss perty losured rens ed-the damage as the case may xplained, being is d in the secood, doned to the ing laimed from him, o abaadoacd, of

Coods.-A fers 1 of stating a clam est explaia the pot and rill at the what the practial lar average and art
e shall supposetn which at Peterstur nsured from Peters he duty, frighty nerchant is sobijed 07. We shall ling on its arrivi th more than half id it been sound Illed upon to mate per cent. upor the \(t\) follow that this mnify the merchan mnify the mifs hir thas indemnify

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310

\section*{country woo}
corges:
e linsurer 1 .
ve 15.

Win womp would hate foteched in a sound steto
Lose duty, freeht, and chargea.
Sat in ua damaerd tetate to only warth : Tee duly, freskht, and oharges The enerchant's loss ty the dimanise in.
Fmotuly werlow from the ineurer 131. Upon the 210 wheplas he ecuice recesa 301 .
Ifthonp oould hara fetched in a sound state
Lew duy, frelghs, andel aharges -
But in la danamed wate to enly worth.

The merchart's lone by the damage is. \(-41 \frac{3}{6}\) Ind in woive from the ingurer 15i. Upon the principle of a Ity ilem he amuld roceiva
It will be observed that the merchant's loss by the danage of his groods varies with the state of the market. It may niso be observed, that in pereal the merchant will not receive from the beane the whole amount of tho loas thint he matains. Whenever his market is a profltablo me (and that it must usually bo so will be dinios to everybody)-whenever, indeed, his bun not sford hinn a complete protections policy Thesrgument in a favour of this protection.
Thesargument in favour of this mode of settling deved that the subject hns been discussould be tre pinineiple acknowjedged, in the courts of law a bat the insurer's linbility is to bo gulded by the umpunt ppoa which he has received a prem by remnideration; that he is not to be affected by thereur fall of markels; but that the grosed mard be comened goads are to be the market price the ate of damage upon the amount by which to be joupedt the insurer being liant insured is torell theutrata charges insurer being liable, besides, Orall the eitra charges arising out of the damage. umve is 23. upon 401 ., or 62 merchant'e cent, loss by mod 101. apon 101,. or 100 per cent. ; in the
 whit add darges were diminished in proportion whe diminished value of the goods, the loss in ititiso per cent. upon the gross price nett price, tuddety is concerned, Government, ano As far fideserdideces it in proportion to the diminutio the ralae of the goods; and if the freighinution wadi in as smilar manner if the freight were myb be indemaifed for his losa by the would the practice with regard to freigh insurer. why umits of no euch arrangeenght in this ing pidaidsoording to the auch arrangement; frelght fo mide the principle upon which claims for tiacar sverage are sdjusted, and its bearing Tderre, we stall illustrate it by a few moring, 4 Suppose two packages to be by a fow mored at x-1 cask of rice and a cask of surg at cost sing 10 cwt ; the cost of each at sugar-each pent \(10 \%\), the fright of each 10 s. per port of put of delivery, both or each 108 , per cwt. at hanirie at a market where no more than duty, prie is realised; assuming that more than the wity the sugage 50 per cent.- the rice by pascklity the sugar ber cent.- the rice by losso of weig
fiul be as followrs:trill be as fallows :-
arnd of rice, had It arriveel sound, would have
Les freight on 10 cwt . at lor. per cwat. \(=\begin{array}{cc}15 & 0 \\ 3 & 0\end{array}\)
bexind dimpred, ild only produce.
Leas frught on 10 cer
Les frught on 10 cot . at lild. per

\section*{2 \\ \({ }_{0}^{10} 2\) 100}

Kecthantr iom
od warar, ifs sound \(\quad-\frac{210}{27}\)
Lsa frighe ond, would have produced \(\&: \overline{x!} 10\) Les fright on 10 cwn , at have produced. per cwis lurred bring dam 1 prodiceng damated, did only welgh 5 cwt
Les freight on Lespright on 3 cmi , at \(10 n\), per 3 cwt .
Nechanis loss
a. \(\boldsymbol{\varepsilon}\).

15
\({ }_{3} 0\)
0
0 \(\begin{array}{llll}3 & 0 & 10 & \\ 7 & 10 & & 0\end{array}\) \begin{tabular}{ll}
\(x\) & 0 \\
5 & 0 \\
3 & 0 \\
\hline
\end{tabular} \(\begin{array}{r}50 \\ 30 \\ \hline\end{array}\) 100 \(\begin{array}{r}710 \\ 210 \\ \hline\end{array}\)

\section*{INSURANCE} from his inate the merchant is entitled to recover the smm insurci, 6., or 00 per cent., apon \(10 l^{2}\) him for his less on tho suthough ant indemnity to for his loss upon the rice ogar, is far from being so contrivo so to shaps his If the merchant would owner for freight as to reduce the with the alipportion to the depreclation in the frelght in prodamaged commodity, ho would tha value of the protected. The ship-owner wonlig bo eompletely tect himself by lusurance inight on his aide proof quality, as he now does from loss by reduction of quantity. But we have alress by reduction once adverted to the we have already more than established practices. The me breaking in upon yoar to year complaining of the thants go on from they aro subjected from this the losses to which While nosteps aro takent to impward contrivance, that the principle is eqnita improve it. To showv ehant and his insurer, wo subjuin between the merment, where the damare is oill one more statecent. 100 jer


The harrel being washed out prolusoew nothing.
The merchant, however, not heing Hable to pray frolght It will be obxerved that the Inaurer. - - \& 10
full aum upon which he recelves the cave the insurem paya sor. or the
When who
considerable value, carso, or parcels of goods of policy which protects the insured, the clause in the average under a certain insurer from particular tlally set aside. Thus, if percentage is often parof sugar, valued at 10,000 argo of 000 hogsheads extent of 4600 , the mercll., were damaged to the tecting clanse to remain in to supposing the pronothing from the ingurer, the fores, would recover to 5 per cent. The additional wos not amounting which it is the practice to moldition clause, by clanse, is as follows: Practice to modify the printed upon ear'1 10 hhds. sugarticular average, payable coffee, and 10 bags cotton, following and 50 bags upon each package of manufacturg nuinbers, and of indigo, bag of wool or silk the of goods, chest rately insured.' Such clauses mame as if sepaintroduced ad libitum by mutual may be, and are, and insured, the premium or col consent of insurer arranged accordiugly:
The protecting or consideration being
hand, by the ingurers, exceensingercd, on the other in some respects; and they, as occnsion ractory insist upon additional protection occnsion requires, hides, cocoa, and tin protection. Thus, saltpetre, ranted free from particular plare generally warbe stranded; and upon tobacerage, miless the ship the insurera to make thenaselves is is eustomary for such part of the particular averes liable only to per cent., throwing 5 percent. unge as exceeds 5
Particular Average on Freight - the merchant. far as it aftects 'freight,' ceight.- The melause, as comment. Particular average upon freight cular only arise, according to prevailiug freight can loss of weight; and whe prevailing practice, froin amounts to 3 per cent. or upwards lhss of weight is entitled to recovert, or upwards; his iusure ship-owner owner, upon the arrival of the shiper. The shipdestination, is entitled to hold the pouds port of rity until the freight is paid. If goods as secugoods should prove insolvent, and the of the
goods
ahould be entirely apoiled by sen damage during tho voyage, and the whip-owner thas lose his freight, he has no claim upon the insurer ; because, althoukh his collateral security is destroyed by a peril of the sen, his right to receive freight remains inimpaired, and it is against the loss or impairing of this right, that the insurer protects him.

Particular Averuge on Shipa,-I'articular average upon ships is a subject somewhat more beset with llficulties. There is scarcely a ship which makes a voyage of any length, that does not sustuin some damage. The clause in the policy warrnating the alif fren from particular average inder 3 per cent., unless stranded, protects the insurer from the constant recurrence of petty claims; but in addition to thip, it is the practice to class the damage that a ship sustnins in the prosecution of her voyage under two heads: ordinary damage, or wear and tear: and extraordinary damage, or particular avernge. The spiltting of snils, the breaking of anchors and cables, the upsetting of windinsses, are losses that come under the tirst head. The carrying awny of masts and bulwarks, damage to the enpper sheathing and hull from striking on rocks, come under the second.
When a ship suatains clamage, if she be on her first voyage, the whole expense of the repairs is made good by the inaurers; but if slie be not on her flrst voynge, it is the established custom that the insurer pays no more than \(\frac{1}{5}\) of the repairs, the owner of the vessel having, as it is thought, an equivalent for the \(\frac{1}{3}\) which falls upon him, in the substitution of new work for old. Where the nature of the damsge is auch as to require that the copper should be stripped off the slip's bottom, the insurer pays the difference between the price of the old and the new copper on the weight of the old copper stripped oft; the excess in weight of the new over the old copper is paid for by the ship-owner; and the labour of stripping and replacing the copper is paid for on the principle already mentioned. In any general rule of this kind it must be obvinus that the ship-owner will sometimes gain and sometimes lose by an accident. As soon as the ship-owner, or his captain, learns that his vessel has met with an accident, or as soon after as possible, he summons regular surveyors to examine his vessel and report itl defects, discriminating between those defents thas have arisen from perils of the sen, and those lrial wear and tear. The first only are made good by the insurer, together with all charges, such as surveyors' fees, dock dnes \&e., caused by the necessity of undergoing repair. It has been already observed that when a ship is obliged in the progress of her voyage to put into port for the purpose of repair, alchough the owner of the ship be subjected to great expense for the wages and maintenance of his crew during the detention, he can recover no part of this expense from the insurer ; the doctrine being, that the owner of the ship is bound to navigate his vessel, and that the insurer clocs not undertake to guarantee that the voyage chall be completed within any specitic time. Such is the doctrine, at least, in this country, and the practice is founded upon it; but in all other countries the doctrine and practice are the reverse. For in them allowance is made to the ship-owner for the wages and maintenance of the crew during the whole period that the ship is under repair. Where a vessel sustains damage and undergoes repair in the progress of her voyage, and is subseguently lost, the insurer is liable both for the particular average and a total loss. Or the owner of the ship mny; if he please, insure the nmount expended in repair; and then, in the event of
subsequent lows, the insurer is linble for the totat loss only; but in the event of sulwerpuent wity urrivnl, the average in augmeuted by the charg of insurance.
The operation of the elause warranting the shid free from nverage under 3 per cent., unless genefi, or the ship be stranded, may now be clearly seen If a alip be insured aud valued at 10,000 , an the repalrs of the vessel do not, after all the de ductions above referred to, amonat to 3 per cent there is no claim upon the insurer unlesa vessel shall have been stranded. [Avemige.]
Strunding,-The term strancled is not w closen, almitting of more than one construction and the clanse of which it forms a part is imper feetly conceived. And in settlensents of account when differences arise, the partles who disas them are more apt to strive for that interpretati of terms and clauses which is favourable to the literests than for that whlch is best adapted general purposes. It is commonly underst that mercly striking the ground sad coming is not a stranding; it being necessary, in order fall within that term, thint the ship should main on the ground or rock, as it may happe nund that efforts should be made to float he Striking on an auchor and leakiug dangerous is not a stranding. We shall only adduce ! illustrations, for the purpose of showing how adapted this clause is as a means to ea end, \(C\) and other such articles are warranted free particular average unless the ship be atrank bocause the insurers, considering these articlea be peculiarly susceptible of damage, will note sent to take that risk except oa pome exin ordinary occasion. A ship laden with comme a very stormy passage from the Baltic to lood and damages the whole of her cargo. \(V\) arrival off our coast she is stranded, but got? without straining or austaining any dins The insurer is held to he liable for the damage the corn, under the clause of the polieg. another occasion, after a very favourable pa to our coast, a ship strikes upon a choai, but not stranded, suataining, however, so machdaer that she arrives at London with 6 feet wster her hold, and her cargo almost wholly spil The insurer is held not to be liable under clause of the policy.
Cieneral Average.-The insurer is bonad make good all general a verage without exephic however trifling the smount. Geaeral sven is treated as though sltogether unconnecteds particular average; and damage to the goods amounting to 3 per cent. is not payable by insurer, although there may be also age average, and the general snd particular ant together may amount to more than 3 of \(\$\) cent. General average is a charge which mas paid by the merchant and ship-owner, erea if insured; although, when insured, he transfa it were, in virtue of his insurance, the ded from himself to his insurer. All the dem that can by possibility enter into general re may be classed under four heads:-1. Surf part of the ship and stores ; 2. Sacrifice of pe the cargo and freight; 3. Remuneration ofien required for gencral prescrvation; 4. Eppo raising money to replacs what has been sumit and to remuncrate services.
1. When any part of the ship is sacificued the general benefit, the owner is entited to ceive (deducting, of course, his share of congan tion) the amount of his outlay in the repacion such sacrifice; allowance being made, on the p ciple stated above, where old werks and maty are replaced with new. The deduction
-in liable for the tota rucuted hy the chate
ae warranting the shin or cent, unless genesal a new be clearly seen. alued at \(10,0001.4\) o not, after all the de amount to 3 per cent. lie insuret unless the uled. [Averige, strancled is not wel than one construction, orms a part is imper ettlements of account - parties who discus for that interpretation is fnvourable to thein ch in beat adapted fu commonly undentiond round and coming o necessary, ín order the ahip should on *, as it may happee e made to float I leakiug dangerous hall only adduce tw e of showing how cens to an end. Cor 3 warranted free cm the ahlp be otrande dering these articles damage, will not ar cept on some estr laden with com mak the Baltis to Londe of her cargo. Up stranded, bue got aining any dama able for the damage e of the poliey, ry favourable pus upon a choal, but vever, so muchdama 1 with 6 feet water dmost wholly spoilh be liabls under:
insurer is bound ge without excepoif nt. General avert her unconnected m aage to the grods not payable by ay be ass 1 g nore than 3 or 5 charge which must ap-owner, evea it sured, he trassers nsurance, the che r. All the eleme - into gesenl area cesds:-1. Sucrific 2. Sacrifice of par muneration of ofent vation; 4. Expent at has been sarifi
ship is saenifiad ner is entitled to jis share of coatra Iy in the replacio g made, on the pp works and mate The deluctioa

Inerere, dees not invarlably apply: For foly ia taken off the price of an iron calile that is slippel from for tho general benetle, banse iron cables are cnlenlated to last for a pat number of years: and no reduction is ever milecing the lown may amount the charge of men than the ralue lost, computing conslderably the pice where the alinp was originally whe at thas the cost of replacing an anchor aind fitted. sipped from in the Downs is frequently siouble te rlue of the anchor anil cable at London Bet whatever the chargo may be, such charg. hnes the basis of nettlement.
2. Scrifice of the cargo and freight takea place in petison, or where part of the eargo is flume madoard to lighten the vessel. Upon arrival in wath, wer such jettison, the owner of the good pertisoed ls entitled to receive (deducting his hap of contributlon) what the goomls would have moned nett to him, supposing them to have are mevise (lleducting his share of contribution) tefmight to which he would have contribution) wat the safe delivery of the goods.
d. Remanaeration of services nand other charges.
-
whe noms are frecier anchors and cables, very tho penture off to her with awariled to boatmen weat buand of their lires, aw ones at the ima is toned into port by another and disabled at fon foe sured the dotiee is awarded according to the utaiod Theship rendering then, and the loss tea with fish or fruit, that may bice may be miladbethedetention, that may be totally coua or thededplention, or may be in ballast. A fipapumd by the enemy may be recaptured fimanal-rar or armed merchant vessel: here, motures of the case. All these the cirmalal arerage; that is to these charges are tod orer ship, freight to say, must be distriin with a cargo is drivgt, and cargo. When a sturpting to get her off is gene, the expense deacmet be got off without general average. pene of discharging is general discharging, the peneo getting the shin oft aversge; but tho va then cut fatles exclup off after the cargo has eruchousing of the enre, an upon the ship. matho for its preservation, are other expenses If opon the cargo. The, are charges excluwane by the freight. When a ship relonding in distress, the pilotage inwards is puts into ant the pilotage outwards is a cluarcreneral Wright, This distribution of charge upon Winto a tolersbly well established practice. roa this priaeiple claims are eet practice; ra, and ot Lloyd's. Tbe money req.
sta is sometimes attainabl meet tho above \(x\) acident happen near home, and expense. cte rapectable, be advances the money andthom the various parties concern and bat bappen in a can be made up; or if the cof the ship is well koign port, where the bim rill sometimes be roceire captain's bill charges incurred. But received in payment at exist, the captain is where such facilities win freight, sand cargo as powered to pledge my prerail upon to supply the onecessary Fthe captain sedmitg termed a bottomry bond ats to the paymits the reecipt of tha money; With the distonment of a premium (whicil nss of the rovage, the respectabititination, and the gecessitics of the captain of the average.
farigna the ship, freight, and eargo as ise iss for the repayment of tho money argo as security stipulated premium. Should the alvaneed aull tho the bottomry premiuin demanded oftain Consider reant, or shonld ho deem lt prefurahim exorht. respects, lie may sell a portion prefurable in other purpose of raixing such portion of the eargo for the need of towards the prosecy ns ho may atnind in The expenas of rainingecution of his voynge. whether by comminsiong the repuisite funge. or by loss on the anie of by bottomry premium, those parties for whe of the cargo, is premium, quired. Thus, if a ship, havinus money is rerock, puts into port in distress, struek upon a unload to repnir; supposing thes, andi is obliged to apon the shif to amonat to particular nverago avernge, consisting of assistance int.; the getueral pense of unlonding, 2001 . ; particto port and exfreight, consinting of exp particular charges on pilotage outwards, 100 exponse of reloniling and on cargo, consisting of warehougarticular charges of packages, \(200 l_{\text {; }}\); and the expent and repnir money shonld be io and the expense of ralving be severally- increasod ber cent. : thene sums woulf bo rnised to bereasod by this additlon, and wonld \begin{tabular}{l} 
Tomur.] to 600., 2401., 1201., and 2101. [1bot- \\
\hline
\end{tabular} It atin
ion the general a to be enquired in what proporferent owners of the cargo is to be paid by the difand freight. Almost all gend the owner of ship uasted at the ship's all general avernges are nifvalues of the ship and of destinatlon, and the they would produce in cargo are taken nt whe arrival, and produce in their actunl state wat actually and the freight necording to whapon and crew; the general ave wages of tho what is in proportion to these average being distributed be altogether worthless, it cans. Should the cargo tribute; and should the it cannot be made to con the freight, then the freightes of the crew exceed tribute. In caso of jettight is not liable to conperty has been sacrificed for, the party whose proreceives indemnity on ther the genernl benefit valuo to which he is entitled being principle; the perty would have produced being what his prohave been sold on the arrival of supposing it to same value serving for arrival of the vessel-the of contribution. Somo few basis of his proportion general average is adjusted at oceur where the parture. Thus, if a ship, ont at the port of deBritish colonies, cut from ontward bound to the tho Downs, or incur other anchor and cable in our own const, the insuranceral average on effected in this country, it is the cung principally it on the spot, by which means cistom to adjust expenso are avoided. Onens both delay and values at the port of shipment occasions tho basis of contribution. A total aro taken as the to a general average, does not exonsubsequently surer from his prior liability; and althote the incustomary with the ship-owner although it is specifically to insure the mor, or his agent average, for the purpose of money expended in against any greater liability thecting the insurer is not absolutely obliped than 100 per cent., he average funds are raised by to do so. When the advancing them takes the ship bottomry, the party as security, and charges a ship, freight, and cargo risk of the ship's nonges a premium to cover the tion; and thus, on such an at her port of destinatotal loss relieves the in an occasion, a subsequent
rom all liability to
actjusted vary in customs by which averages are surer in this con different coantries; but the inalljusted accorintry is only liable for the averome however, whose \({ }_{3} \mathrm{C}\) arrive at a foreign port is
obliged to submit to the laws of that port. Ife may thus be a considerable loser ; paying general average according to one law, and receiving from his insurer according to another. And he never can be a gainer, because, before he is entitled to recover from his insurer, he must prove that he has paid to the owner of the ship. This is one of the many inconveniences to which mercantile men are exposed, which cannot be entirely removed without, what it may be hoped will gradually take place, an assimilation of the commercial laws of different countrics. A partial remedy for this gricvance has been found in the introduction of a clause into policies when the ship is bound to a forcign port, to this effect: general average to be paid according to the forcign statement.

Proof of Loss.-The policy of insurance is the instrument under which the merchant and shipowner cidim indemnitication for all losses that are not specially excepted. The proof that the loss has been sustained must also be exhibited; such as the title to the vessel and rargo, and the evidence of the captain and crew to establish the cincumstances out of which the claim arises. If A were to insure his ressel for the space of 12 months, and at the expiration of 6 months were to sell his ship to B: A's interest in the vessel having ceased, so also does his insurer's liability, unless the policy be sold with the ship; and \(1 \mathbf{B}\), if he wish to be protected, must make a new insurance, or purchase A's policy. Proof of ownership, therefore, is an essential preliminary to the recovery of a claim. In general practice no difficulty arises from this, because the fact of ownership is sufficiently notorious. The bill of lading is, in most cases, satisfactory proof that the cargo was on board, as well as of the amount of freight.

Valued and Open Policies.-If an insurance for \(2,000 l\). be effected upon 100 hhds. of sugar, valued at 20l. per hhd., the bill of lading, showing that the ressel had 100 hhds. on board, establishes the intercst at 2,000l., and the policy is termed a valued policy. But if an insurance for 2,0001. be effected on 100 hhds. of sugar, and nothing be expressed as to value, the bill of lading only establishes that 100 hhds. are on loard without establishing the amount of interest. The production of the invoice, showing the cost of the goods, is necessary to that end, the policy being termed an open one.
Return of Premium for Short Interest.-In a valued policy, when the whole of the property insured does not appear to have been shipped, the difference between the quantity insured and the quantity shioped is termed short interest. Thus, if \(2,000 l\). be insured upon 100 hhds. of sugar, valued at 20l. per lihd., and 80 lihds. only be shipped; as the insurer's liability does not extend beyond 1,6001 ., 80 he is obliged to return the premium upon 400l, to which no risk attaches. This return of premium is called a return for hort interest

For Over-Insurance. -In an open policy, where the value shipped is not equal to the value insured, the difference is termed over-insurance. If a merchant, A, make an insurance for 5,0001 . upon goods, without specifying any value, from Calcutta to London, the premium being 60s. and the stamp duty \(4 s\). per cent., the amount of interest that attaches to the policy is 80 fixed that he is neither to gain nor lose by the transaction in the event of the vessel's loss, supposing his insurance to be sufficient. To entitle him to recover a profit, the profit to be insured must be stipulated in the policy. The expense of insurance upon 1001. being 81.4s., it ia clear that
every 1002. insurance covers 961, 16s, ongin cost; that is to say, protects the merchant fit loss to that extent in case of the loss of the ree If, then, we assiume the invoice of the prop shipped to be 40,000 rupces, or, at the exchan of 28 . per rupee, 4,0001 ., the interest attaching the policy is ascertained as follows: If 961 , cost is insured by 1002 . insurance, what will it 4,000l. cost be insured by? Answer, 1,3 Under such circumstances, although a poliey exi for 5,0002 ., the insured is not able to prove intere for more than \(4,132 l\).; and consequently, the sured being entitled to recover no mere than th sum in case of loss, the insurer is called upon make a return of premium for over-insuran upon 8681 .
Although we lave treated separately of retur for short interest and over-insurance, we shm observe that these terms in practice are used discriminately; and indeed we cannot sar we perceive much advantage in making the tinction, or prescrving the distinctive appellatio

It sometimes happens that the property pected in a vessel is not all insared at one tim in one policy. But this makes no differene the principle of settlement according to our although, according to the laws of most countries, the policies take precedence of another according to their dates, the whole interest falling upon the policy or policies effected. The forcign law, in this inst appears to us the more equitable and reason of the two; and that our reason for thin so may be intelligible, and thus gain assen mect with refutation, we shall state a cas short interest upon a number of policies sog not unfrequently appears. A merchsoit, d , or his correspondent at Calcutta to ship fuh hi count a quantity of sugar, not excesding tons, at a price not exceeding 202 per ton due time he receives a letter from his crrom ent acknowledging the receipt of his onder expressing contident hopes of being ableto chase the quantity, or the greater part of the limits prescribed, and promising to adri ho proceeds. A, on receipt of this lettens January 1, makes a provisional insurana \(5,000 l\). upon sugar valued at \(20 L\) per too. linuing without further advices, gnd farin his correspondent's letter should have micul and that be might have property sfoat niss on February 1, March 1, and April 1 be similar insurances, thus covering the whole tons. He subsequeatly receives advice the correspoudent had not been able to parchese than half the quantity ordered, at bis limit he recovers from his insurers half the pre upon each policy. Now, it was not at probable that he might have received adries his correspondent, as he expected, mach: And if he had received sdrice in the mid February of the shipment of 500 tons, and the ship which contained them was totally the river Hooghly, the insarers upon if first policics would hsve been lisble for loss. And it appears to us a defectiry 4 ment by which a psity, whe is at 0 an exposed to a total loss, ahould at anod compelled to return half his premium. It that the merchant may, if he please insent policies a clause by which the polices s made to succeed one another; but we shor that the law, in insurance cases, as in the of the property of deceased persons, ough the best general disposition, leaving to indir the right of modification according to pa circumstances.
62. 16s. onigina merchant frum loss of the vesel ce of the goond at the exchang erest attaching lows: If 901. 14 ce, what will th Answer, 4.132 ugh a policy exis de to prove intero ssequently the i no more than thi ar is called upon for over-insuran
eparately of retur suruance, we shov rectice are used we cannot say a in making the tinctive appellatio at the property nsured at one time akes no differene according to onr laws of most c e precedence of dates, the whole policy or policies W, in this insta aitable and razom r reason for thin d thus gain assen shall state a css ber of policies, sug A merchana,, , sutta to ship tor his rr, not exceding cling 201. per ton ter from his cocraph es of being ableto e greater part of d promising, to adin pt of this letter, \(s\) at 201 , per too. advices, sod farin should have mise roperty sfloat unins , and April 1 be covering the whale receives adriee it en abls to parchise ordered, at his limi surers half the pre , it was not at have received dirine expected, mach adrice in the m. nt of 500 toss 120 a them was totalir insurers upor been lisble for us a defectire in ty, who is at ano , should at It his premium It if he please, 1 ich the policies other; bat we sho ce casen, as in the ased persoar, 1 oug ion, easing to im an according to \({ }^{5}\)

Rharn for Double Insurance.-Besides returns Or hort interest and over-insurance, there are trums for double insurance. They are, in fact, to stans litets and purposes, tho same thing. Double wace exists where the party, throngh forgetbose makes an insurance upon his property rico over; or where the shippers and consignecs d pods, when uncertain of one another's intenorseffect each an insurance upon them; or then the captain of a vessel in foreign parts, luing leat his alvices should not reach his kring lest an insurance upon it, and the owner when, fertwe time, acting with equal cnution, Hek one also. The obscrvations already made anerums for short interest, and upon the ditferareatreen our laws and those of other countries, whp with equal force here.
Wie hase now gone over all the principal topics aceced mith marine assurance. Those who prese this article with ordinary attention will, nhoe, gain a tolerably clear insight into the rapioles and practice of the busimess; but a printly familiar acquaintance with it can only amuired by those who are daily conversant rithitsdeaials,
Dny on Policies of Marine Insurance.-This nerlated by the Act 30 Vict. c. 23. 'The Act \(1 \times 8 \mathrm{p}\) provides that-
mathe pasing of this Act the stamp duties va prable for policies of sen insurance shall se ind deternine, and the several Aets and rec decs specified in the schedule marked (D.) othis de amexed are hereby repealed, save so far mapats ary policy made prior to the passing this tet, atd as respects any forfciture or radryinured in respect of any offence against yrearment so repealed.
In tis act the expression 'sea insurance' uas ary insurance (including re-insurance) wie upan any ship or vessel, or upon the maixer, tackle, or furmiture of any ship or vessel, quan any goods, merchandise, or property, of recaption whatever, on boord of any ship or exter upon the freight of or nny other interest lid mes be lawfully insured in or relating to shisor ressel; and the word 'policy' means insumeat whereby a contract or agrcement ur rea insurance is made or ente.ed into.
TuCcomissioners of Inland Revenueshall proplanh policies, printed on paper, in the form set din Shedule (E.) to this Act, and stamped to xe the duty paysble under this Act; and any way buy such blsak policies, stamped with loty which be may require, at the price of daty: provided always, that before any tramped blank policies shail be issucd, and n ay velium, parchment, or paper which Whiught to be stamped shall be delivered damped by any officer of inland revenue, he muk or write thercon the day, month, and of sech issue or delivery, and if he wilfully atto to do he shall forfeit the sum of 1002 . * sidid commissioners shnll keep an office minte City of London for the distribution of T plicies, stamped as aforesaid, to persons Ing on the business of insurance within the ur, and purchasing the same, subject to the - Horance made on purchase of stamps.
- Watact or qrreement for sea insurance than such insurance as is referted to in Sec. the Nerchant Shipping Act Amendment [1802) shall be valid unleas the same is exatm a policy ; and every policy shall specify rtiemer risk of adventare, the names of the iben or undeswriters, and the sam or sums Ma and in case any of the above mentioned whry thall be omitted in any policv, such
policy shall be null and void to all Intents and purposes.
No policy slall be made for any timo exceeding 12 months, and every policy which shall be made for any time exceeding 12 months shall be null and void to all intents and purposes.
No policy shall be pleaded or given in evidenco in any court, or admitted in any court to be good or available in law or in equity, unless duly stamped; and it shall not be lawful for tho said commissioners or any othicer of inland revenua to stamp any policy at any time nfter it is signed or underwritten by any person, on any protence whatever, except in the two cases following; that is to say,
1st. Any policy of mutual insurance having a stamp or stamps impressed thereon may, if required, be stamped with an additional stamp or stnmps, provided that at the time such ndditional stamp or stamps shall be required, the policy shall not have been signed or underwritten to an amount exceeding the sum or sums which the stamp or stamps previously impressed thereon will warrant.

2nd. Any policy made abroad, and chargeable with duty by virtue of Scction 15 of the Act of the 28th and 29th ycars of her Majesty's reign, cap. 96 , may be stnmped within the time specitied is that Act.

Nothing in this Act shall extend or be construed to extend to prohibit the making of ary alteration which may lawfully be made in the terms and conditions of any policy after the same shall have been underwritien; provided that such alteration be male before notice of the determination of the risk originally insured, and that it shall not prolong the time covered by the insurance thereby made beyond the period of 6 months in the case of a policy made for a less period than 6 months, or beyond the period allowed by this Aet in the case of a policy made for a greater period than 6 months, and that the articles insured shall remain the property of the same person or persons, and that no additionnl or further sum shall be insured by reason or means of such alteration.

Where any sea insurance is made for a voyage and also for time, or to extend to or cover any time beyond 24 hours after the ship shall have arrived at her destination and been there moored at anchor, the policy shall be chargeable with duty ns a policy for a voyage, and also with duty as a policy for time.

Where any carrier by sea or other person shall, in consideration of any sum of money paid or to be paid for additional freight or otherwise, agree to take upon himeelf any risk attending goods, merchandise, or property of any description whatever while on board any ship or vessel, or engage to indemnify the owner of any such goods, merchnndise, or property from any risk, loss, or damage, such agreement or engagement shall be deemed to be a contract for a sea insurance.
If any person shall become an assurer upon any sea insurnace, or shall subscribe or underwrite, or ctherwise sign or make, or enter into any contract agreement, or memorandum, for or of any sea insurance, or shall receive or contract for any premium or consideration for any sea insurance, or shall receive or charge, or take credit in account for any such premium or consideration as aforesaid, or any sum of money as or for any such premium or consideration as aforesaid, or shall wilfully or knowingly take upon himself any risk, or render himself liable to pay, or shall pay or ailow, or agree to pay or allow, in account or otherwise, any sum of money upon any lose, peril, or contingency relative to any sea in-
surance, unless such insurance slanll be written on vellum, parchment, or paper duly stamped, or if any person shall be concerned in any fraudulent contrivance or device, or shall be guilty of any wifful act, neglect, or omission, with intent to evade the duties payable on polieies under this Act, or whereby the duties may be evaded, every person so offending shall for every such offeuce forfeit the sum of 1001.
Every person who shall make or effect, or knowingly procure to be made or effected, any sen insurance, or shall give or pay, or reater himself liable to pay, any sum of money, premium, or consideration whatever iu the mature of a premium for or upon any sea insurance, or shall enter into any contract or agreement whatever for any sea insurance, unless the same insurance, contract and agreement for insurance, respectively, shall bo written on vellum, parchment, or paper, being first duly stamped, shnll for every such offence forfeit and pay the sum of 1001. ; nul every broker agent, or other person negotiating or trausacting any sen insurance contrary to the true intent and meaning of this Act, or writing any agreement for any sea insurance upon vellum, parchment, or paper not duly stamped, shall for every such offence forfeit the sum of 1000 .
If any person shall make or issue, or cause to be made or issued, any document purporting to be a copy of a policy, and there shanl not be in existence, at the time of such making or issue, a policy duly stamped whereof the said document shall be a copy, he shall for such offence forfeit the sum of tooi, in addition to any other penalty which he may have incurred under :his Act.
It shall not be lawfil for any brnker, agent, or other person negotinting or transacting or making any sea insurance to charge his employer nny sum of money for brokerage or agency, or for his pains or labour in negotiating, transacting, or making such insurance, or writing tho same, or for any moneys expended or paid by way of premium or consideration in the nature of a premium for such insuranee, unless the same shall bo written on vellum, parehment, or paper, duly stamped; and all and every sum and sums whatever paid by such employer on any such account to any broker, agent, or other person negotiating or transacting or making any insurance contrary to this Act shall be deemed to be paid without consideration, and shall remain the property of suche employer, his executors, administrators, or assigns.
This duty was reduced in 1833, and again in 18.14, 1865, and 1867, and is now (1868) less than half what it was formerly.
Schedule B, containing the Stamp Duties granteld by this Act.
For every policy of sea insurance for or upon any voyage-

In respect of every full zum of toot. and in respect of any fractional part of lool. thereby lusured
For every policy of sea insurance for time-
In respect of every full aum or 1 ool. nind in respect of any thereby insured
Where the Insurance shatl he made for any time not
Where the insurance shall be maide for any time exhere the insurance shall wo made for any time ex:

But if the separate and distinet interests of two ar more persons shall be insured by one poliey for a voyage or for time, then the duty of \(3 d\). or the duty of \(3 d\), or \(6 d\)., as the case may require, shall be charged thereon in respect of every full sum of \(100 l\). and every fractional part of \(100 l\). thereby iusured upon any separate or distinct interest.

These reductions must, of course, bo beneficial. But the tax is altogether wrong in prin-
ciple, and should be repealed altogether obvious tendency is to discourage the coasti trade, by imposing a duty on goods carrian sea, from which those carried by land and cand are exempted. But the influcace of the tana vessels engaged in the foreign or colonial tax still more oljectionable. It is immaterial to merchant sending a ship to sea, whether he ine her in London, Amsterdam, or Hamburg ins as policies exceuted in the last two in ; an either wholly exempted from latieso cities a such as are merely luty is are merely nominal, the effect of th asi of the business of mariae insarance, 1 i pould otherwise be transacted in London. It piain, therefore, that this duty operates to drit a valuable brauch of business from amoogst in and though it had no such effect, still it is so ciently clear that a tax on providence, or on i endeavour to grarantee the safety of properts sea, is not one that ought to exist in miny conty and least of all in so commercial a couatry England.
(This article on Marine Insurance has revised by a gentleman thorougbly canvery with the principles and detnils of the businana

\section*{Form of a Policy of Insurunce executed at Lle}
S. G. Be it known that own name, as for and ia the name names of all and every othes pe
Delivered or persons to whom the same doth,
the day make appertnin, in part and them and cvery of
ino. sured, lost or not lost, at and from upon any kind of goods and chandises, and also upoa the bodr, a apparel, ordnance, munition, arti boat ard other furniture, of and in rood ship or vessel called the whereof is master, under (iod for present voyage,
else shall go for master in the said or by whitsoever other name or the same ship, or the master therof shall be named or cailed, beginninf adventure upon the said goods and chandises from the loading thereof the said ship said ship, dc.
so continue and endure, duriagh there, upon the said ship \&c; wn ther, until the said ship, with orduance, tackle, apparel ds and and merchandises whatsoeter, sh arrived at
sbip \&c., until she hath mooredat twenty-four hours in good asfert upon the goods and merchasdive the same be there discharged and landed; and it shall be lamfol said ship de. in this voyage to and sail to and touch and stay ports or places whatsoever without prejudice to this inaurano said ship \&c., goods sul merth de., for so much as coacerns bes by agreement between the skeal assurers in this poliey, are and valued at veniures and perils wiich we the are contented to besr anddo takte in this voyage, they sre, of men-of-war, tire, enemies, pirates thieves, jettisons, letters of \(m\)

\section*{as reell in}
and in the every other the same dot? part or in all causeth
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aled altogether. sourage the coasting on goods carried 4 by land and canals luence of the tax or on or colonial trate is t is immaterial to en, whether he insum a, or liamburg; an e last two cities ar I luties, or subject t al, the effect \(0_{\text {? }}\) th ntinent a considerab arine insurnace, th ted in London. It laty operates to dri ess from amongst n effect, still it is suf providence, or on i e safety of property 3 exist in any county nmercial a country
: Insurance has b thoroughly conress ails of the busineas. mee executed at Lloy
as well in and in the name d every other per m the same doth r , in part or in all, nd cause ery of them, to be lost, at and from kind of goods and 30 upon the body, 12 e, munition, atril furniture, of and il el called the er, under God fo master in the sai r other name of a ; the master therest or called, beginnin? the said goods aod he loading thereof
endure, during hee eaid ship do \(;{ }^{2 n}\) said ship, with , apparel de, and les upont ars moored at in good sadet and discharged and shall be lawful in this rorage to 1 touch and stay whatsoever ice to this insurang goods and merth goods and mern between the ass policy, sre and touching erils which wether o bear snd do take e, they are, of th e, enemies, pirates mls , letters of m

\section*{INSURANCE}
nrests, restraints and detainments of all cundition, or quality soever, barratry the master and mariners, and of of the master and mariners, and of all other perils, losses, and misfortunes that have or shall come to tho hurt, detriment, or damage of the said goods and merhandises and ship de. or any part thereof; and in case of any loss or misfortune it shall be lawful to the assured, their factors, servants and assigns, to sne, labour, and travel for, in, and aiout the defence, safeguard, and recovery the said goods and merchandises aud uhip dc. or any part thereof, without pryiduce to this insurance; to tho charges whercof we, the assurors, will contribute each one according to the rate and quantity of his sum lerein assured. and it is ancreell by na, the insurers, that this writing or policy of assurance, slall be of as much force and effect as the urrest writing or poliey of assurance heretofore made in Lombarid Street, or in the Royal Exchange, or elsewhere in Loadon. And so wo the assurers are contentel, ard do hereby promise and bind ourselres, each one for his own part, our heirs, executors, and goods, lothe assured, their executors, administratus, and assigns, for the true permmance of the premises, conlessing the paid the consideration dine unto ulte this assuramee by the assured
at and after the rate of Ir Mutsess whereof, we tho assurers hire aubscribed vur names and sums asuned in.
Y.B.-Corn, fisht, salt, fruit, flour, and sules s.e warranted free from average,
meneral, or the ship be stranded unhes general, or the ship be stranded:
syyu, tobacco, hemp, flax hides wywn tobacco, hemp, flax, hides, and linns are warranted free from average
unde five unde five pounds per cent.; and all other podse also the shijp and freight, are war-
nuted free from average under three moned free from average under three pands per cent., unless general, or the
stip be stranded. stip be tranded."
Mof Puicy of the Royal Exchange Assurance Company.
3. the Corporation of the Royal-Exxchange Assurance.
Wame of God Amen.
as well in
ond in the name and names name ans for every other person or names of all and the same derson or persons to whom the same doth may or shall appertain in culseth Whathe assurance an thean to be assured lost or nond every of from

Induding risk of eraft to and from the
ship. ship. Fiure and the Free of capture and atcempt thereof.
apon any kind of goods and merehanand also upen the loaden or to be luaden ordnnnec munition artillery tackle apparel other furviture of and in the boat and or ressel called the and in the good ship
burthen
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whereot is master (under or thereabouts present voyage (inder (iod) for this for master or whosoever else shall go whatsoever other name said ship or by same ship or the name or naines tho same ship or the master thereof is or shall be named or called, begriming the chandises from and sald goods and mering the loading thereof on boaty followship
and upon the said ship de.
endure during and so shall continue and the said sling her abode there upon the aaid ship we. And further nutil tnekle apparel with all her ordnance thekle apparel de, and goods and merand whatsoev shall be arrived at

Upon the sald ship \&c. until she hath thers moored at anchor twenty-four hours in good safety, and upon the goods and merchandises nintil the same be thers discharged and snfely landed. se, in shall be lawful for the said ship to and this voyage to proceed and sail or places whatsoever stay at any ports to this assurance. The whout prejudice goods and merchondise said ship \&c. as coneerns the andises de. for so much made lietween the assureds (by agreement said Corporation the assureds and the shall be rated and valued polte) are and
sterling, without further
be given by the assureds for the same to
Touching the arlve
which the said Corporation and perils to bear and do take upon are intended rovare they the upon them in this war tire enemies of the seas men of jettisons enemies pirates rovers thieves mart surprisals of mart and counterrestraints and detaingents sea arrests princes and people of what of all kings dition or quality soever what nation conmaster and quality soever barratry of the losses and misfortunes that ather perils come to tho hurt detriment or or shall of the said goods and ment or damago ship se. or goods and merehandises and case of any loss or thereof: and in be lawful to the assureds the it shall servants and assigns to sue labourtors travel for in and about the dar and safegund and recoveryont the defence and merchandises and of the said goods part thereof) without prejudice (or any assurance to tho charges whee to this said Corporation will corges whereof the ing to theration will contribute accordherein assured. And it is of the sum the said Corporation that this agreed by policy of assurance shatl this writing or force and effect as the surl be of as much policy of assurance surest writing or Lomijard Street or in heretorore made in or elsewhere in in the Royal Exchange said Corporation are contented so the hereby promise are contented and do and their suceessors to bind themselves executors ardministrators ansureds their the true performance of and assigus for the true performance of the premises,
confessing themselves paid the consideration due unto them for thls assurance by
the rate of
at and after

\section*{per cent.}

In Witness whereof the said Corporation have caused their common sfal to be hercunto affixed and the sum or sums by then assured to be hereunder written at their office in the Royal Exchange of Lonilon this
day of
in the year of our Lord
one theusand eight hundred and sixtyeight.

The said Corporation are content with this assurance for
Free from all average on corn flour fish salt fruit and seed, unless general or the ship be stranded. Free from sverage on sugar rum hides skins hemp flax and tobacco under five per cent. and on all other goods, the ship and freight under three per cent., unless general or the ship be straaded.
By order of the Court of Directors.

\section*{III. Insurance (Fire).}

Insurance against fire is a contract of indemuity, by which the insurer, in consideration of a certain premium received by him, either in a gross sum or by periodical payments, undertakes to indemnify the insured against all loss or damage he may sustain on his houses or other luildings, stock, goods, and merchandise, by fire up to a certain amount during a specified period.
Insurances against fire nre almost invariably made by Joint-Stock Companics, many of which are established in London, but operate by agencies throughout the country, whilst some have their chief offices in a few of the principal towns in the empire. Of these, the greater number insure at their own risk and for their own profit; but there are others, partaking more of the character of mutual insurance offices, in some of which the assured by annual policies, and in others those by septennial policies, only participate in the profit of the concern. The number of such offics is gradually diminishing. How far the insured in such companies ns nembers become liable for the losses of the same, can only be decided by the provisions in the respective deeds of settlement.

The conditions on which the different offices insure are contained in their proposals, and are also printed on the back of every policy; and it is in most instances expressly conditioned that they undertake to pay the loss, not excecding the sum insured, 'according to the exact tenor of their printed proposals, or according to the comditions.'

Nothing can be recovered from the insurers, in the event of loss, unless the party insuring had an interest or property in the thing insured at the time when the insurance was effected, and when the loss happened. It often occurs that one office will not insure to the full amount required by an individual who lias a large property; and in such case the party, to cover nis whole intercst, is obliged to insure at different offices. But, in order to prevent the frauds that might be practised by insuring the full value in various oflices,
there are, in the proposais issued by all the com panies, articles. which declare that persons in suring must give notice of any other insuran made elsewhere upon the same houses or gond that the same may be specified and allored b indorsement on the policy, ia order that ea office may bear its rateable proportion of any lo that may lappen; and sometimes a clause added, providing that unless such notice given of each insurance to the office whe another insurance is made on the same effeet the insurance made without such notice will void.
Any trustee, mortgagee, reversioner, factor or agent, has sufficient interest in the good under his custody to effect a policy of in surance, provided the nature of such intere be distinctly specified at the time of executin such policy.
Most of the offices stipulate in their proposen against making good any loss occasioned 'invasion,' 'foreign enemy,' 'civil commotio \&c.; and under this condition the Sun \(F\) Office was exonerated from the loss occasion by the disgraceful proceedings of the mob 1780.

The risk commences in general from the tir the proposal is accepted by the office, unless th be some other time specified.
Policies of insurance may be effected for a period. If for a year (which is most customa or for a term of years by a siegle payme it is usual for the office, by way of indulgen to allow fifteen days sfter each year, or ter of years, for the payment of the premium the next period in succession; and prori the premium be paid within that time the sured is considered within the protection of office.
A policy of insurance is not in its nt: assignable, not can it be transferred witbout express consent of the office. Whea, boker any person dies, his interest remains in hisext tors or administrators respectively, who snce or become entitled to the property, provideds representatives respectively procure their nigh be indorsed on the policy.
(For further details, sec Marshsll on \(h\) ance, book iv.; Park On Insurance, c. 33 ; Law of Fire Insuränce, by C. J. Bunyon.)
The nature and mode of operation of fire ol may be described as follows:-
They insure against loss or damage be for Great Britain and lreland all descriptions buildings, including mills and wanufsctoie, goods, wares, and merchandise in the same; in harbour or in tlock; craft on navigable and canals, and the goods laden on the s waggons travelling the roads and raikurs their contents ; and farming stock of all des tions.
Insurances are generally divided into \(c 0\) hazardous, and doubly hazardous. The guishiug characteristics of these may be b described as follows:-
Common or 1st class, Buildiugs of bri stone, and covered with tiles, slates, or meta

Hazardous or 2nd class. Buildiugs pht or wholly constructed of timber, but covenad tiles, slates, or metal ; and lat class building which hazardous trades are carried on,
Doubly hazardous, or third class. Bull covered with thatch.
The ordianry rates when such buildings privnte occupation are:-

by all the eom. 1 rat persons in. rouses or g game and alloreded br order that each ortion of any lose mes a cluuse such votice ho oflice when
the same effecte ch aotice will b versioner, factor est in the grod a policy of in of such intera
in their propos sss occasioned. 'civil commotion ion the sun in
the loss occasiong ags of the moh
neral from the tio e office, unless the
be effected for is most customal - a single prymo way of indalgen : each year, of te of the premium ssion; and prori in that time the the
is not in its osh ransferred without ce. When, boree \(t\) remains in hises: ectively, tho such operty, provided s

Narshall On In Insurance, c. 23 ; C. J. Bunyon.) opera
or damage bs for 1 all descriptions and manusctore; ft on axivigable \(n\) laden on the \(s\) ds and railksys g stock of all deso
divided into cont ardous. The dis these may be bia Buildings of bria 3, slates, of Buildiugs pati ber, but covered 1st class buldain carricd on. tird class. Bulta

8uch building
per cent. pas minm
l-Dxties paid to Government by the following London Fire Inourance Offices for the 9 Years ending at Christmas 1867.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline 0ffes & 1859 & 1860 & 1861 & 1862 & 1863 & 1864 Duty on Stoct reduced to 1s. \(6 \mathrm{~d}_{2}\) per cent. & 1865 Part at 3s. and part at & 1866 juty at 1s. \(6 d\). & 1867 \\
\hline & \[
205,437
\] & \[
206, \frac{x_{2}^{2}}{2}
\] & \[
\underset{208,665}{\frac{\varepsilon}{6}}
\] & \[
209,612
\] & \[
205, \frac{\epsilon}{4} \%
\] & \({ }_{195,976}^{2}\) & \[
118, \underset{1}{\boldsymbol{e}}
\] & 108, \({ }_{\text {c }}\) & \[
112,{\underset{0}{2} 5}_{\boldsymbol{L}}
\] \\
\hline \[
\begin{aligned}
& \operatorname{san} \cdot \\
& \text { ibert (din) }
\end{aligned}
\] & - & & & & - \{ & \({ }^{2}{ }^{9} 9696\) & 1,381 &  & - \\
\hline Abet(ain) Naxt & 45,838 41,044 & 46,787
41,632 & 46,502
41,157 & 46,224
40,724 & 4 & \begin{tabular}{|c}
30,793 \\
38,092
\end{tabular} & 16,578
28.373 & 37.0 .55
41.776 & 39,558 \\
\hline diske - &  & 11,632
- & 41,137 & 40,724 & \(40,3.34\)
- & 38,092 & 28,373 & 21.776 & 82,567
- \\
\hline matd London (dis.) - & [ 5i\} & - & - & & \(\bigcirc\) & 3 qrs . & 3 gra. & & 1 qr . \\
\hline grish Mation (3an) & - & - & - & - & - & 990 & \(991\}\) & - \(\{\) & 247 \\
\hline nsimp Provident (dse) - & - & - & 5 & \(\overline{3} 3\) & 5 & - & - & \(\cdots\) & - \\
\hline carto England - & 4,540 & 4,886 & 5,058 & 3,332 & 5,339 & 8, 109 & 4,146 & 3,059 & 3,182 \\
\hline Cinad Coonti (da) - & - & - & - & & - & 602 & 314 & \(\left\{\begin{array}{l}3 \\ 3 \\ 3 \\ 3\end{array}\right.\) & - \\
\hline casacial Union & - & - \(\{\) & 1 \({ }^{1} 9757\) & 17,091 & 20,419 & 18,340 & 14,281 & 13,182 & 12,995 \\
\hline camy & 66,014 & 67,557 & 69,184 & 70,675 & 72,381 & 71,457 & 53,889 & 40,000 & 48,181 \\
\hline Manese (das). & - 571 & - & - & - & - & - & - & - & - \\
\hline Suprax & 571 & 704 & 742 & 796 & 854 & 924 & 777 & 651 & 683 \\
\hline mper (dish) - & 2,342 & 3 qrat & - & - & & & & & \\
\hline Leiebe (dar) & 2,3 & 1,796 \(\}\) & - & & & & 9,097 & \(\cdots\) & \\
\hline  & - & - & - & - & \} & 1, 1,668 & 2,097 & 3,252 & 3,147 \\
\hline Pancal (das) & - & - & - & & \(\overline{3} \mathbf{q r s . 7}\) & - 88 & & 3 qrai \({ }^{107}\) & - \\
\hline Firend in Xied (dis.) & - & - & - & \{ & \(3{ }^{32} 3\) & 88 & & 71 & - \\
\hline fent - & 15,649
39,555 & 17,018 & 17,893 & 18,064 & 19,084 & 18.290 & 13,95 & 11,519 & 12,114 \\
\hline  & 39,535 & 40,612 & 42,798 & 41,892 & 42,180 & 12, \({ }^{18} 979\) & - & - & \\
\hline Gurun \({ }^{\text {a }}\) & \(33,0.54\)
10,899 & 34,171
10,481 & 31,487
10,530 & 35,060 & 35,189
10.505 & \(\underset{\substack{31,041 \\ 9,648}}{ }\) & 25,163
6,862 & 19,174
4,979 & 20,477 \\
\hline Haces & - & - & - & &  & 715 & 801 & 681 \({ }^{-}\) & 1,037 \\
\hline & & - & - & & & 2 gra 3 & 1,108 & \{3 9rs. \(\}\) & \\
\hline Haxad (canolial (dha) & & & & & 61,472 & \({ }_{58,777} 36\) & 4, 4 ,598 & 4,840 & \\
\hline moxal & 3, 3,3718 & 37,999 & 62,735
38,265 & 59,028
10.410 & 61,472
\(42,1 \times 5\) & 53,777 & 4.,598 & 34,449
34,3117 & 34,594
\(\mathbf{2 6 , 5 6 9}\) \\
\hline Lavtiom & 6,554 & 7,147 & 3,002 & 8,453 & 9,360 & 10,160 & 8,2,34 & 6,593 & 7,31.5 \\
\hline Lame & 31,996 & 32,363 & 33,513 & 33,213 & 31,464
9,060 & 33.6 .34
10.983 & 25,312 & 20,096 & 20,839 \\
\hline Ladn ux Luxahire & & - & & 4,294 & \(\xrightarrow{9,060}\) & 10,983
148 & 9,230 & 11,398
1,418 & 11,187
1,699 \\
\hline Leabra ud suthrark - & - - & - & - & - & - & \({ }^{432}\) & 1,167 & 1,118 & 1,699 \\
\hline Yawie & - & \(-1\) & \begin{tabular}{l} 
1, \\
\(4,7 \mathrm{Fr}\) \\
\hline
\end{tabular} & - & - & - & - & - & - \\
\hline Waralik (tion (dis.) - & - - & - & - & - & \({ }^{2} \mathrm{grs}\). & \(2 \mathrm{grs}\).
808
808 & - & - & - \\
\hline Yaverads - - & - - & - & - & 2 qrs. &  & 42 & 45 & 64 & 100 \\
\hline Vath Brich and Itercanulue (London) & & & & 15.390 & 21,217 & 23,040 & 17,545 & 19,724 & 19,776 \\
\hline  & 134,348 & 138,561 & 137,547 & 136,251 & 138,0179 & 128,458 & 97,586 & 74,750 & 75,344 \\
\hline hantr & 32 & 23 & 45 & 68 \{ &  & 113 & 72 & 46 & 51 \\
\hline Her dia|. & -80,591 & & & 80,597 & 81,275 & \% \(\begin{array}{r}511 \\ 7744\end{array}\) & 467
\(\mathbf{5 7}, 520\) & & \\
\hline Mai Cuchanger & - \({ }^{80,12,997}\) & 12,268 & 818,518 & 12,562 & 81, & 12,379 & 37,300 & 12,781
6,747 & 6, 6 \\
\hline (5ic). & 1,797 & 5,475 & \[
\left.\begin{array}{l}
4 \quad \mathrm{grss}_{3} \\
2,912
\end{array}\right\}
\] & - & \({ }_{1}^{1, \mathrm{qr} .} \mathbf{}\) & - & - & - & - \\
\hline Tinalim & - - & - & - & - & - & - & \(\cdots\) & - & - \\
\hline Tancasan (dis) & - - & - & - \(\{\) & 2 qr & 3 q & 1 gr & & & \\
\hline Tin & - 29,610 & 30,693 & 31,638 & 31,808 & 31,877 & 29,857 & 20,828 & 15,982 & 16,718 \\
\hline Tiwn Kighlom Provident (dis.) & 1,158 & 1,373 & 1,524 & & - & - & - & & - \\
\hline Cunta & 15,334 & 15,564 & 16,076 &  & - & - & - & - & - \\
\hline Tieker Strice and Generat (dis.) & - - & - & & \({ }_{1}^{198}\) & \(3 \mathrm{qry}\). 91 & 140 & \(2 \mathrm{qrs}\). , & & \\
\hline Trems & & & & & & 2,310 & 3,13.5 & 3,09. & \\
\hline Trenimite & 32,437 & 33,0,53 & 31,809 & 33,062 & 32,503 & 31,290 & 21,361 & 17,415 & 1K,178 \\
\hline Taut & 901,283 & 925,364 & \$4,3,151 & 36\%,966 & 1979,805 & 1924,957 & 6 \(698,5 \times 8\) & 546,501 & 362,2.5] \\
\hline
\end{tabular}

Denature of the tenure of a building materinlly Mrs lie clasification thereof for rating. Theso mers are exclusive of the duty payable, under Frete. 30 , to Government of 1 s .6 d . per cent. the amount of the policy. There is also a uppdaty of 1 d. on each policy. There is also suap duty, as a contract stamp, of 1d. on row rexipt for money (however small the wint) or menorandmm issued when an inmance is effected. These stamp luties are borne Fthe fice. Agricultural proluce and stock on laman by \(3 \& 4 \mathrm{Wm}\). 1 V ., exempt fron duty. Ayriedtural prodnce, farming stock and imkanoss, and uteosils of husbandry, on any farm, arbe insured, without the nverage clause, ex2at tom duty, provided it be insured to a fair the The innurance office will not be subject nes an goods or atensils damaged or destroyed diku underpoing any process in which tho apvation of tire-heat is necessary, nor will the
seeds, or other property, ocensioned by its own natural heating, but the loss on any property in consequence (except that which, by its own nntural heating, has been the cause of the fire) will be made good, as well as losses from lightning, where the buildings or other effects insured have been actually set on fire thereby, and losses by explosion of gas on the premises insured.
Insurances may nlso be made by special agreement on the following risks, and ou others of a similar description, not inchuded in the 2nd and 3rd heads of insurances, viz. on mills of nll kinds, aul the stock and utensils in them; also ou buildings containing kilu, steam-engine, stove, or oven, used in the process of any manufacture, and the stock therein; sugar refiners, sen biscuit bakers, distillers, varnish makers, chemists' laboratories, theatres, coach painters, colour manufacturers, varnishers, musical instrument makers, retinors of saltpetre, spermnceti, wax, and oil, barge and boat builders, carpenters, cabinet makers, coach

II．－Duties paid to Government by the following Country Fire Insurance Offices fur the Years \(1860^{\circ}\) 1863，1864，1865，1866，and 1867．

makers，coopers，cork burners，floor－cloth painters，such risks cannot be given in any 6 ericed japanners，lampblack makers，letter－press printers，form machine makers，melters of tallow and of rongh fat，candle makers，cart－grease makers．oilmen， soap－boilers，rope and sail makers，ship chandlers， hemp and flax dressers，oil leather dressers， medals，curiosities，pictures，prints，drawings， statuary work，spinners of cotton，flax，lint，and wool，throughout all the operatious attending the manufacturing of these materials，from the raw state into thread for the weaver，and such other risks as，by reason of the nature of the trade，the narrowness of the situation，or other dangerons circumstances，may increase the bazard thereof： all which special hazards must be inserted in the policy to render the same valid and in force．
Ginnowder，and huildings in which it is made， cannot be insurcion any terms；neither do offices insure writings of any kind，books of accounts， ready money，bouds，bills or any other securities for mones：
Insurances may be made for more years than one by a single payment，and in such cases a discount i 3 allowed on the preminm and duty for every year except the first．

Rent may be insured by a special agreement for a term not exceeding 1 year，the amount being specitied in the policy．

Insurance of mills，factories，risks of special hazard sc．－In consequence of the very frequent chaures to which the rates for mills and factories of all kinds，mercantile risks \＆c．are necessarily sulject，arising out of the ever－varying character of the procespes，nature of goods de．on which the degree of hazard depends，details of the rates for

N．B．－Several companies likewise insure perty in foreign conatries，which is not subject the innual duty unless the same be simated it British colony，and the policy be eseevted Great Britain or Ireland．

A fire insurance policy consists of－
1．Preamble or inductive clause，reciting names of the parties to the contract，the parw of a certain sum as the consideration fu insurance of certain property afterwards desail for a certain period and for a specified su followed by the description of the propethy ranged under various heads or itcms mber is of various kinds．
2．The operative clause or obligation；bry the the company contracts，subject to the condifia unnexed to the pelicy，to pay or make gool？ or damage to the propery insured up to amonnt insured during the period for which contract is made，or may be subsequanty newed by payment by the assured．and ance by the company；of the amount of praid for such renewal．

Clauses are sometimes added defining ef in ing the liability of each shareholder or prppix The contract is then executed by the igmatit of 2 or more directors of the company．
3．The conditions printed at the foot con back of the policy embrace the following pionly
（1．）The voiding of the policy if there sho be any misrepresentation or omission in the seription of the property on which the citinsty the risk is based．


\(y^{2 x}\) s．sums mu
anand on

Indidryeed
virble sulybic
Wexfy to be
them isurue
verbull pyy herlote ord tine mben suc ant it is nt： Thatlat at hay Pibying other Mes er phates shy

ralde excepp
tineraepond

chthe protectio


for the Years 1862,
(i.) Modification of the linbility of the company wimn there are other insurances on the same pmerty.
4. As to assignments, transfer of interest in midies in case of rieath, removal of property to dave ther than that described de., to be notified in the company, whose consent (of which it reures the option to itself) Is to bo signified by adorement on the policy.
3, finds held in trust to be so stated.
6. Risks not corered speelfieally detailed, suel shamge by invasion, foreign euemy, riot, civil wambion, or any military or usurjed power. i. Antides not insured (ns pictures, china \&e.) man specially crumerated.
d. Yo liability for prints, paintings de., boyont i cutan amount on cach, unless specificaliy wril
9. lainsurable articles-books of accounts,
10. Gunpowder-limit as to quantity
11. Damage by lightning allowty
pens insured "is set on tire therely when the
menty insured iz set on tire therely ; but not
maxe by explosion.
12 So liability under a farming stock policy 1 lire took above a certain priee, unless speinaly insureel.
13. So liability for growing erops.
14. Xotice to be given if building near comletion a usdergoing repair.
15. Gondin case of fire not to be abandoned. 16, Arempe clause.
1i. Condition that in ease of goods, the marke I8, Deeminiona of period the criterion of value. 18, Definitios of period when insurance expires. 19. Statement of elaim-how to be made and parted \(b\) b proofs.
8\% Arditration clanse.
l. Clane for reinstating at option of company. ith mefence to 'No. 16, Averuge Clause; remeationed, it may be stated that frequently wrantile insurances, and sometimes for otlier 3 the policy covers property in a variety' of rumes is places in one undivided sum. The name wonditions made subject to the avernge or Int wonditions under Act 9 Geo. IV. c. 13. rate sums must be insured on ench seprarate arilo the following averants thereof, unless midions of Average.-
dend agreed that when. It is hereby deved to be subject to whenever a sum insured is red to be subject to the conditions of a average, duperty fire be covercl shall, at the breaking the ram insured thercon the grenter value sarball pay ormakeon, then the insuranee darball pay or make good sueh a proportion bear to the whole yalue the sum so insured time when such fre shall first said property But it is at the same time happen.
d that if any property ine declared and ge shall, at the breaking ineluded in such dbrsny other police which, whe any fire, be aye or not, shall spply to whether subject ro or places, or of the propert only of the verage extends, then throperty to which the sume excepts, then this policy shall not frame beyond the only as regards any exinsurance, which said excess is such more ler the protection of this polies is declared to rge as aforection of this poliey, and subject nd it is further
cosured shall elsim under and agreed that dangge to property embraced in policy for verage policy extending as well to terms all parties.

\section*{INSURANCE}
bulldings or places, or to other 70
included in thaces, or to other property not the breaking out of any tlre this insurance, and if at property In such other buildinge shall not be nuy such other property actually at risk places, or any by such policy, then, so for at risk to be proteetel ment of any clalm under nas regards the settleand linbility thereof shall bo this policy, the terms in nll respects with thoose of such to be concurrent The generality of insuruseh other police: Kingdom are not, however, sulbes ill the United ditions, although on ther, subjected to these conother places abroad the pro Continent and many form is applied to everv insurat conditlon in somo Amount of Property insurance
apainst fire lins been insured. Duty.-Insuranee about 13 century, and is metised in Englund for throughout the country. Introduced at country.
the different eountries on the later dates into America, it is only in recent Continent and in thero experienced any in recent years that it has líro insuranee was active development.
institution considered, though enrly period after its as we have shown in formough most erroneonaly; to be a legitimate former editions of this work umount of this oppressive for tnxation. The varied frequently, till in the and impolitie tax the duty was fixed at 3s. per 55 Geo. III. (1815) mained until the year 1864 , pent., at which it refor insurances on stock in traten it was reluced and in the following year trace, to 1 s .6 d . per cent., 1s. 6 d . per cent. on insurar the duty was fixed at perty, except farming stock, which ery class of proas 1833 been, and still reck, which hand so far back from duty. l3y the
year 1863, the lnat entire it appears that in the of 3s. per cent. was collected, the which the cluty ceived for insurances was as the gross amount re-
In Great Britaln
Ireland
Tolal duty
(iving a sum covered of abont
\(1,143,114,066\)

Whilst the amount ined of about \(1,143, \sqrt{14}, 666\)
Farming stock in Great Initain and Ireland was \(\quad 74, \div 8.8,109\)
Total sum Insured
For tleyear 1866
per cent. duty, the ambich was entirely at \(1 s, 6 d\).


Much property, however
insured, giving gleat scope still remains unpansion of this branel of ope for a further exEven if there be not commerce.
abolition of this tax as there should be, a total clapse beforc a consideng time can probnbly must be made in the amble further reduction principle of which the amount of a burden the ay all parties.
(almost exclusive of duty paid to Governmeut years is given in Tables land) during the last few

\section*{IV. Insurance (Life).}

That part of the business of life insurance which consists of granting annuities upon lives is treated have only to treat, in this place of the so that we of rums payable at the death of the insurance their noninees.

\section*{insurance}

Suppoes an individual of a given age wighes to insnre 100l. payable at his death, mium, or the series of aunual premic must pluinly to pay an oftice for snch ion of life of such iudidepend on the expectation interest or nett protit vidual, and on the rate make by inveating the which the
premiuma.
With respect to the first of these conditions, or the expcctation of life, it is usunl in estimating ita have recourse to tables ramedicular cities or disobserved to take place in Curlisle de. [interest tricts, as in Northampton, Curisle the actual decreand Ansulties.] But though the actin average ment and expectation of hife amir lives were acculpopulation at every year doubted whether it would rately determined, it is insurance office to proceed form a fair bnsis for an insurance seems to be that upon. The general opinion seems average; for insurance offices invariably profess to net on the principle of rejecting bad lives or of making them pay a proportional increase of premium ; and it may besides, it is aaid, be fairly presumed class, persons insuring their lives are or a saperi in those and are not, generally speacupations that are esmanual and laborious occhealth. But, on the teemed most injurious to healies whese lives are other hand, the friends of parties warties themselves, supposed to be had, and she uld be insured. It is are most anxious they sh uncommon practice for also far from being an wevil on persons whom certain individuals to previl on to be bad lives, to they happen to know, or believe to eg enment of the insure ; and then to get a legal assignment omen of policy in their favour, on their ging the fraud. At all straw' a bonus for their share in the that large numevents, there can be no questually offered for inbers of such lives are perpetuall conversant with surnace; and every individual conversant precauthe business knows that, in despite of and precantions, policies are very whose judgment every them. Mr. Milne, on wates distinctly that 'all reliance may be placed, states dhe offices in genethe eaution and selection which the offecs the lives ral can exercise is neces coodness of the bulk of insured up to the average godit, new ed., art. 'Anthe population.' (Ency. Brit, new among the difnuities.') Since the competition as it has been ferent offices became so very keen lives so bad that of late years, there are but few lives or another; they will not be taken by onc the of their expeand we doubt, were the results of would be found rience made publie, whether it for the opinion that there is much foundared lives.
as to the superiority of insured condition in valuing With respect to the rate at which the interest of an insurance, or the rated, it is impossible to armoney may be estimate, rive nt anything like accuations in life insurance an avernge, pertaps, , period of 30 years from the may extend over a time when they are enteretest changes may take lengthened term the greatest the rate of interest. place in the rate of profit and the rafice appears Mr . Finlaison, of the Nationnl Delit o triken as the to think that \(4 k\) per cent. matry, and that \(4 \frac{1}{4}\) is true average rate in this coned be nuprehended. \(n\) rate nt which no loss need. . Jut this is not (Parl. Paper No. (as Mr. Finkison seems to supa point on which (as pose) previous expengements for the future ; and upon in forming enga, the proper place for entering upon such were this the we think we could assign pretty golid discussions, we inding that no institution intended to last for the next half century would be war-
ranted in reckoning upon realising more thm 3 per cent. upon its investments. We should howi uppon this an the maximum, and of course could expect nothing but ruin to fall upon any institution fonnded upon the hypothesis of reallising 4\(\}\) per cent. of interest. At the same time we would nat be understood as laying any unduc atress upan this opinion, and are ready to admit that there mast opinion, and aro always be more ons
Security being the priacipal object to be aimed at by every insurance effico establisheil on sound prineiples, they would not act wisely if the didatot culculate their premiums considerally higher than may appear necessary to those who look only at what has takea place sinee the beginning of this century. Societics contracting prospective engayments that may extend for halia a century or mare ments exposed to innumerablio unforcseen matis. are excies; and they would he highly censuratle, and aitogether unworthy of the public coniderexe, were they so to conduct their afairs that they micht be liablo to serious embarrasisments fyem fluctuations in the rate of interest, or an inerase of sickness, or any other cause. The sucess tha hins hitherto nttended the Equitable, and sone the long-established offices, must not be takend any criterion of what may befall them and obee during the oext 100 years. Mr. Morgan, the \(\mathrm{L}_{2}\) able Actuary of the Equitable, in his accore of the rise and progress of that institution, pu lished in 1828, has satisfactorily shown tas peculiar prospecity has beca in a very great gree owing to circumstances which canuat posia occur again. The premium, for cxample, bhr by the Society, so late as 1771, for insung on the life of a person aged 13 as whereas it was then only 22.138 . 4d.; and was a corresponding difference in the preail for other ages. (p. 36.) But the excessine nitude of the premiums was nat he hily \(\mathrm{So}^{3}\) ordinary source of proit cajoged by in the earlicr part of its carcer. . the same unquestionable authority tbat insurances made during the first tuentyfrin of the Society's existence wele abandupnd insurers, in many cases, after he preminum them had been paid for a considarsitinam ears, without any valuable consideralion being for them by the Society! (p. 38.) So Mf source of profit was aione adequate to emar society ; but such things riti life insuram are become too familiar to frequent occurre sales of policies are of too ancthing conside allow any oftice this, we ask, can anyone wh this way. Now, wew, and couples them these facts into view, anasement which has frugal and cuutious managemenuitale Sois always distinguished the Equitable shel surprised at its success? and can any more absurd than to appeal to is cap casting the horoscope of whin the last tex aprung into existence But, independently of these conich to 30 are other circumstances sufficient of oftee the great success of some dican war a rea the close of the Amplace in the rate of diminution thas taken plas has neitior ben the public tranquility has intestine as by forcign invasion har niot been oace cholern excepied, , any epidemic disorder, , made at from 508 junds, during the war made a ford of 90 . now (1868) be realised at up presume to say that circumstances may more advantageous for the insuranilidnd \\ \section*{\section*{the}} \\ \section*{\section*{the}}
think rery h
proceeded to secarity, we insurance, the
beliere, admit
were at one \(t \mathrm{f}\)
the tendency
low. A great
the most renpe
lires; and the
the newapaper: mootted to in di oupht to make will what he is afice with wh statements, unle diriluals of ang enght not to go f the most deceptis along time havo which are, notwi sceure foundatic thip with a society begots doubtfol, Then else. But fenat aflsir. Th trally concluded I inaditity on the pa tia hasiness to m 8 be poductive of a bincined.
Lifemance co clases The first companies, tho und the death of the in be proftr made by irided among the I palso joint-stock enimeano memianatiat Etur juar math ilas vamadeby the bus maze cman theirared is not tl priciple on whicl dislosed. The R rapoil and Iondoa 4, wottish Unjon dc thind species of ad on the basis of If company there sfom the insured mares the whole pi ring the expense thble society, the an' Fund \&c. belor xacrantage to a pe maparison between craditions of the \(p\) which it bolds o
final viers, as if the rould be in all res ith, insamuch as th myany share of th babfful, borever, w] Te than balanced by establishments. E wacem, has not only
master of the lives of ar in this capseity, stilities int disorder, in sis very apt toget in be coadacted withot interested knowing
nore thanis per ould liok uping e could expect itutionfonded It per cent. of would not b tress upon this bat there must tan of certanty
jeet to be aimed lished on sound ly if they didno: ably higher than who look onily it eginning of this ospective entag century or mise nforeseen continighly censurable, publle contidence, affairs that they jarrassments from est, or an increas The success that table, and some st not be taken Il then mind other r. Morgan, the la de, in his acoon It institution, puis rily shown that? a a very great hich cannotpossil or example, ehary 1, for insuring 30 was \(4 l .1\) 13s. \(4 d . ;\) and \(t\) ce in the proaif it the excessiren net the only ex oyed by this Soc eer. We leam thority that hat first twenty-fri ele abandoned by or the premiums onsiderable numi onsideration bei (p. 38.) So co dequate to cung rely occur north life insurand frequent occurfer nything considet can anyone couples Equitable Sox and can anst al to its expert the socities th lin the last len se consideratio sufficient to 300 of the old office can war a a in the rate of as neither beet intestine e not been once nd the investmg ade at from 50 upwards of 90 . upwances may imstances maffi ae insuranculd

\section*{INSURANCE}
think rery highly of the prudence of those who proceded to insure on such an assumption security, we take leave again to repeat, is, in life insurance, the paramount consideration. It is, we beiere, sdmitted on all hands that the premiunis wee at one time too high; but we doubt whether the tendency st present be not to sink thell too bove A great relsxation has taken place, even in the most renpectable offices, as to the selection of lires; and the ndvertisements dnily nppearing in be newspapers, and the practices known to be monted to in differeut quarters to procure business, aught to make every prudent individual consider well what he is about before he decides upon ther wife with whlich he is to insure. Apon the tataments, unless where they emanat fractive diriduals of anquestionable character and rom inaught not to go for much. Life insurance is ience the most deceptlve of busincesses ; and offices one of theng time have all the appearance of prosper for which are, natwithstanding, established on a very, inture foundation. If a man insure a house or stip mith a society, or an individual, of whose credit egets doubtful, he will forthwith insure sume rhere else. But life insurance is quite a difinent afsis. The bargain is one that is not to he mull concluded for, perhaps, 50 years ; and any madity on the part of an establishment in extenare basiness to make good its engagenients woull bupdinctive of a degree of misery not easy to be ingined.
deses The first clanies are divided into three campuie, who undertnke to pas con joint-stock the death of the individuals pay fixed sums upon the death of the individuals insuring with them; beppots made by such companies being wholly anded among the proprietors. The second class rello joint-stock companies, with proprietary dies ; botiastend of undertaking, like the formery papertain specified sums upon the denth of ther, sored, they allow the lntter to participate, to a atin extent, slong with the proprictors, in the to nired the business, The modein which this theinured isnot the same the profite granted - rimiple on which the allotment and in some, devoend, The Rock, Sun, Royal is made is raxol and London and Glote, Ailionce, Exange, Sottish Union de. belong to this mixed Guar-- lhind species of company is that whicd elass. med on the basis of mutual insurance which is d company there is no proprietary body thisdrom the insured; the latter share among avires the whole profits of the concern, nfter itble Society, the of mnnagement. The min' Furd \&c., belong to this Union, Scottish ndrantage to a person ins class
tompared with another must plain any one comparison between the premiums plainly depend mondions of the policy and no demanded, try which it holds out. It mane all, the fial riers, as if the mutunl in appear, on a srould be in all respects the most eligitemsithinasmuch as they have most eligible to imy any share of the have no proprietors to mobthlu, however, whet me tban balanced by disadvant advantage be antablishmeats. Every one being a partner maem, has not only his own life ins partner uner of the lives of all the other memb but Fit into dissorder, should the affairs of the fifitites Therder, incur some very serious is reryspt to management, too, of such be codidcted without the hands of a junto, finterested knowinganything greater number witested knowing anythiug of the matter. matter.

There is also considerable diftion \(\quad 763\) such socleties, in distinguishinculty, in constituting rights of old and new minging clearly between the society to be prosperous, it is buts for supposing a thoge who have belonged it is but reasonable that lated a large fund shod to it while it has accumupartieipating in thi should oljeet to new accumupartieipating in this advantage. But the entrants society conducted in this way, But the affairs of a tiens in the rights of the may, or makiog distincseries of years, could hardly fail during a long Inst exceedingly complicatly fail of becoming at all improbable that the cated; mor is it, indced, at parties in some of the contlieting claims of the existence may ultimately have this sort now in in the courts of law, or ly have to be adjusted lature. Supposing the premiums demanded by the selves, which retain the whole profits to theminsured, we shouliy proportioned to the values are, on the whole, the molined to think that they The subscribed capitsl most advisable to insure in. Royal Exchan capital of such associations as th. Royal Exchange, Sun, Scottish Ussociations as the wealth of the partners (which Union \&c. and the in the case of the eliartich is all liable, except claims of the insured) aftered companies, to the security. Individuals dealing with unestionable exactly what they are about with them know precise premiums they will hat. They know the exact amount of the sums have to pay, and the assignees in the event of theit will be paid to their no responsibility of any their death. They incur some very unprccedeny kind whatever; for, unless should take place in the and unlooked-for change they may reckon with certainty on of the country, policy being fulfilled to the letter the terms of the
But, as already obe the letter.
in matters of this sort oned, everything depends, mium with the advantages to barison of the prewhere the premiums are bes to be realised. And carelessness or intentionally iued, either through the safety of the establisly, in order to provide for high, it nay be more expment, to be a little too with a mixed compore expedient, perhaps, to deal and fortunes of thay. The subscribed capital guarantee on which the publicy body afford a dealing with any respectable comp may depend in While by receiving a share of the profy of this sort; gain by the flourishing cond the profits, the insured and it is of less consequence to of the association premiums should be too high.
individual insuring with borne in mind, that an condition of his getting a proportiol company, on bccomes a partner of such compartion of the prefits, incurs responsibilities. In company; and being so, ciations ns the Allinnce, In denling with such assoand a few others, this responsibility Scottish Union, said to amount to anything ily can lardly be panies of this class in thg. But there are comvery tempting baits to tield, and holding out sured in which mavetind the unwary, those inthat this responsibility is by some future period,
- menns a light
inss, with a large subscribed cunita of this mixed -inserts in all its policied capital-the Guardinn viz.: 'That the policies the following condition, members shall, in responsibility of the individual spective shares, in cases, be limited to their a conditi shares.' It mny be doubted wh their reaffects the good in law ; but if it be, it materialls otberwise would justly ed by the company, which first class of offices justly claim a place in the very himself against as. As no one attempts to secure cannot happen, the existency which be is satisfied sort implies a doubt on the of a condition of this
burly of the perfect solidity of the establishment.
Such a doubt may be, and we believe really is, very ill-founded ; but the publie will, most likely, he inclined to think that the proprietors ought to know better than anyone eise.

The aliotment of proit to the insured made by the mixed companies is sometimes effected by a diminution of the premiums, and sometimes by increasing the sum in the policy; and individuals should, in dealing with such sucieties, select, other things being equai, the association with which to insure, necording as they wish to insure a large sum, or to get the premiuins reduced.

We subjoin, from Mr. Mabbage's work on Life Assurance, the following statement of the terms of the various mixed companies, as to the division of the profits with the insured. They are, for the most part, exceedingly vague. (This work of Mr. Ilabbage contnins a good denl of usefill information, intermixed, however, with not a few errors and misstatements. It was mostabiy revieved in the 90 th Number of the Edinburgh Review.) We also subjoin an account of the couditions, in respect of proits, under which new entrants are ndmitted into the Equitable.

Alliance.-At the periods of participation of the Company in the protits of its concerns, every policy for the whole term of life, whicli shall have paid 5 entire annual premiumsk, shali, if the nllowance be made in reduction of amnual premilum, be entitled to such reduction from the original charge as shal! then, and from time to time, be declared; but if the allowance be in addition to the nmount nssured, that addition shall also be continually declared from time to time.

Persons assuring their own lives lave the option of deciaring at the time of effecting the assurance, whether they will participate in the proli by an addition to their poliey; or by a reduc.an of premlum.

Atlus.-Persons assuring for the whole term of life for 100l, and upwards, in Great 13ritnin and Ireland respectively, will be entitled, at the end ot every 5 th year, to participate in the surplas premiums, to be then ascertained by actual valuation.

Crown.-Two-thirds of such profits as shall periodically be declared divisible will be apportioned amongst assurers for the whole term of life, and may be applied to the reduction of the future ammal premiums, or to the increase of the chm assured, as may be desired.

Economic.-At present \(\frac{3}{4}\) of the savings and protits divided amongst the assured entitled to participate therein, by additions to their policics, proportioned to their respective contributions, and in order to afford them the immediate benctit of such additions, interest thereon applied annually in reduction of their premiums.

Equitable. -That in case any prospective addition shall hereafter be ordered to be made to the claims upon policies of assurance in this Society, Euch order shall not take effect with respect to any policy granted after December 31, 1816 , until the assuranees existing in the Socicty prior in number and date to such policy, and if of the same date, prior in the number thereof, slall he reduced to \(\overline{5}, 000\); but as soon as such reduction shall have been ascertained in manner hercinafter mentioned, the said policy shall be within the effect and operation of the order for such addition, us to the payments made thereon subsequent to such ascertnined reduction; so that if such order should be made to take effeet generally from January 1, 1820, for the spaco of 10 years then next following, \(n\) policy efficted in the year 1817 shall not be within the aperation of such order until the assurances exist-
ing prior to the number and date of the peilicy, as atoresald, shall have been reduced to i, (1) phicy, but, such polley shall be within the operation theref from the time when the reduction shall have been ascertained, in manner hereinafter mentioned, as tu the pryments made thereon subsequent to sum ancertainel reduction. And the like as to other cases. And this by law shall be considered and part of every such order, and shali be virtually incorporated therein, althongh the same may not be thereby expressiy referred to.
Thnt in case nny retrospective addition shatit hereafter be ordered to be made to clains upea policies of assuranco in this Society, such order shall not take elfect whes respect to any puliey grantel after December 31, 1816, until the asury ances existing in the Soclety prior in number and date, and if of the same dinte, prior in the number thercof, shall be reduced to 5,000 ; but when th anid reduction shail have been ascertained manner hereinafter mentioned, such policy shas be witidn the effect and operation, anil enitited the benetlt of such order, with respect to cren payment made thereon snbsequent to such asee tained reduction; so that if such order shall mude to take effect generaily as to paymeatsmad before Jonunry 1, 1820 , a policy effected in th year 1817 shanll not be within the effect and opper tion thereof, unless the life assured shall esi nad tho pnyments continue to he made, until assurances exlsting in the Society priur to number and date of the policy, as aforesail, sh be reduced to 5,000 ; but as soon as such reductiy
shail have been ascertained, in manner after mentioned, such poticy shall lim within effect and operation of such order for the sere payments made thereon as aforesaid. Aad ike as to other cases. And this by-law shall considered as a part of erery such order, be virtually incorporated therein, although same may not bo thereby expressly refernd ta That an enquiry be made on April 1 in er yenrin order to ascertain the number of assump mande nud existing in this Society; and wha shall have been ascertained by such eaquiry the assurances existing priot to January i, were, en December 31 imnediately precediag enquiry, reduced below the aumber of 5 , \(\mathrm{ph}^{2}\), actuary do report the same to the court of dint who shali communicate sueh report to thequart general court, to be holden in the June fullow and that as many of such policies as had made subsequent to December 31,1816 , and or were existing in the Society on becember immediately prectling such eurquiry, le of according to the priority in their dates and bers, and if of the snme date, accordiog priority in their numbers, to those abore tioned, as shall be suflicient to complete number to 5,000 ; and that the persens buy the policies so added shall be considered th forward as entitled to such additions as an therenfter made in respect of all the pay made subseriuent to stich ascertained sedry and, under the same restrictions, to the privileges of attending at the general of and of being cligible to the office of directur That after the vacant numbers is the assur existing in the Suciety on Jan. 1, 1817 , shall been tilled up agreably to the foregoing the netuary, on April 1 in every succedios clo ascertnin the vacancies which have tase in the preceding year in the policies constit the 5,000 mentioned in the 5 th esolutidy rejort the same to the court of directog shall communicate such report to the qu general court in the month of June folle
and thetas
to the prive athe sale pumbers, a putaber to
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pariupate in 1 druction of 8 anntee of the ca masnalue; the ext \(T\) the ded of settl The share of the veran ur cithe polion ia ruction patale on such। dexamd ia writin kritater the divide Wifisch option be wht mill be added Bon-The bosines
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Whan of life, the enitit of the Con chat mate to the fowch ctear gains: lar Life,-At statc aning from the Prumulation bej mitille ascertai kistiogs as may munty of the ir the the propriet aturiag manner: proppietors' guar res rams, equival bealed to the p

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rans is added at stat members, in propos mefectivers, in propo
nod thet as many policies shall be alded, according moteprivity of their dates and numbers, and if Whe the ame date, aceording to the priority in their ares shail be suthlejent to complete the gamers to 5,000 ; and that the persons holdinie main hifies shall thenceforward be constdered as mited to such adititions ns shall be thereafter neite in mapect of all payments made subsequent whe blat of the precediag December, and, under the restrictions, to the same privileges of the ena reseral courts, and being eligible to wataing the genera,
the ofice of ditector. matrat to authorise an addition to the sum wered by any policy, unon wheh policy the sublet of parments required in that respect by sublet peet ly-laws of the Society shall not have xen made.
S.B-Those by-laws require that 6 anmual payc.at thenst shall have been made before any semina can take place; and when such wimats shall have been made, the party will cualifitel to be received, in his turn, into be sumber of persons entitled to additions as Lunsuil.

Gurdian-Persons assured for the whole term Whe will be entitied at the end of every 5 yeurs pariopate in the protits of the compriny, atter - davetun of such sum per nnumm, for the wantee of the capital, as the directors may think wavile the exteat of which is, however, limited Thise det of settlement.
Thetare of the protits to be so allowed to the nowed ers either be added to the ameunt of then mapaive polieies, or the value thereof be opudid ruction of the prominms hereafter to pantle en such policies, provided such eption f ckimd in writing withlis 3 calendar mouths exintat the dividend shalt have been deelared; atisuch potlen be not declared, such share of what mill beadded to the amoment of policies.
Enp.-The husiaess of this ollice has been transnavio the imperisl.
luyral--L'pon every policy effected for the vkmo of life, the assured will participate in amitu of the Company by laviug periutical Eira male to the sums insured to the nmount fdrech clear gaius and protits.
Lue Lifs-At stated periods, the surplus of the aving fom the premiums of assurance, and ramaniation beyond what may be thought wirn th answer the expected claims upon the crry wille ascertained; and as large a portion kuriag as may bo deened consistent with Munity of the institution will be divided sea the proprictors and the assured in Wuwing manner:-l will be transferred to proicors' guarantee fund; and reverur sums, equivalent to the remaining s, be udded to the policies of those who shall ben 3 years assured for the whole term
man Life Association.-The distinguishing gheofthis Society is , that the benctits resulttrmits transactions shanll be enjoyed by trbasdung bife, so as to render lite assurance rrlothe assured ase a due regard to security umil
ximal and Clerical.-Persons assured for the them of life will be entitled to share with the 4p poprietors the general profits of the busimpropertion to the amount of their respective
ridh Cnion.-The whole of the surplus
smis 2menkers, in proportion to the sums they rapectirely contributed.

Jlech,-That the sald bonus ahall be short of the netual surplis proflts at the time of making the same, by the sur: of \(\$, 000 \%\) at least.

I'lont the bonus ao declared shall be divided into 3 equal parts.
That one of the snid parts shall be atded to nud consolidated with the subseription capital stock. (This is the proprtetors' fund.)

That the remainhig so allotted to the policies in the manner described ln the deed.

That the sum to which any person assured by the Company may become entitled unier any such distribution shall be paid by the Company without interest, at the time when \(t\) 'e sum assured by the policy shall become paynble, and not before.

Union,-Those who assure witl this Company will participato with the proprietors in the protits of the estabiishment, which will be added every 7 years to the respective policies.

University,-As it is intended that the capital advanced shall be repaid to the shareholder with a bonus of 100 l . per cent., is of tho protits, when ascertnined by a valuation of all existing risks, will every 5 years be applied to form a fund for that purpose.

The remaining of the profits to be divided between the assured and the shareholder, in the proportion of 8 parts to the former and 1 to the latter.
The profit or bonus to the assured to be given either by a diminntion of the rate of premium, or by an increase of the amount of policy, at the option of the party.

Westminster.-- Bya regulation taking effect from May 9,1832 , this Society makes a positive addition of 10 per cent. every 10th year to all sumsinsured on single lives, for the whole term of life, by policies issued after that date; but it no longer grants any new policies.

In order to hinder the growth of gambling transactions upon lifo insurmee, it was judiciously enacted by stat. 14 Gco. III. c. 48 that-

No insurance shall be made by any person or persons, baties politic or corporate, on the life or lives of any person or persons, or any other event or events whatsoever, where the person or persons, for whose use or benefit, or on whose accomnt, such policy or polieies shall be made, shall have no interest, or by way of gaining or wagering; and that every insurance made contrary to the true intent and meaning of this Aet shall be null and void to all intents and purposes whatsoever. (Sec. 1.)

It shall not be lawful to make any policy of policies on the life or lives of any person or persons, or other event or events, without inserting in such policy or policies the name or names of the person or persons interested therein, or for what use, benefit, or on uhose account such policy is so made or underwrote. (Sec. 2.)

In all cases where the insured has an interest in such life or lives, event or crents, no greateg sum shall be recovered or received from the insurer or insurers than the amount or value of the interest of the insured in such life or lives, on other event or events. (Scc. 3.)

A creditor has an insurable interest in the life of his debtor; but it was decided, in a case which arose out of a policy on the life of the late Mr. Pitt, that if, after the death of a debtor whose life is insured by a creditor, and before any action is brought on the poliey, tho debt be paid, no action will lie.

All insurance offices either insert in their policies or refer in them to a declaration signed by the insured, setting furth his nge, or the ago of the party upon whom he is making an insurance;
whether he has or lins not had the small-pox, gout, te.; 'that he is not aflieted withany disorder that tends to the shortening of lifo; that this leclarntion is to be the basin of the contract between him and the soclety; and that, if there be any untrue averment in it, all the money pald to the soclety upon acconnt of the inurance shall be forfeitel to them. (Sce Form, poat.)
The conditlon as to the party not being afflicted with any disorder that tends to the shortening of life la vague, and has giveli rise to a good deal of discussion. Lhut it is now settled that this condition is sutheiently complied with If the insured be in a reasonably good state of health; and although he may be allicted with some discase, yet if it can be shown that this disense does not tend to shorten life, and was not, in faet, the eause of the party's death, the insurer will not be exonerated: "Such a warrnity,' said Lord Mansilehl, 'can never mean that a man bas not lis him the seeds of some disorder. Weare all horn with the seeds of mortality in us. The only (frestion is, whether the insured was in a recsanably gownl state of health, and such a life as ought to be insured on common terms.' (Marshall On Insurance, book iii.; l’ark On Insurance, c. 22.)
Polleies of lifo insurance must be on stamped paper, the duty being as follows: viz.-

When the sum insured shall not exceed 5001 . for every \(50 l\)., nind any fractional part of \(50 l\)., \(6 d\).
Exceeding 5001 . nnd not excecting 1,0001 ., for every 100l. and any fractional part of 100l., Is.
Excceding 1,000), for every 1,0001. and any fractional part of \(1,000 \mathrm{l}, \mathrm{l} 10 \mathrm{~s}\).
We subjoin a statement of the terms and conlitions on whieh the Sun Life Assurance Society transacts business, and a copy of one of its policies upon the life of n person gectl 30 , insuring his own ife for 1,000 l. The conditions of most of the other societies are similar, and may be learned by any one, on applying either at the head otlices in town or at their agents' in the country. The premiums demanded by the principal oftiecs nre exhibited in Table V.

Sun Life-An assurance for a term of years, or for the whole continuance of life, is a contract on the part of the office to continue the assurance during that term, on the payment of a certain annual preminm, but the assured mny drop it whenever the end is answered for which the assurance was made.
An assurunce for the whole duration of life may be effected either with or without participation in the profits of the society, and at an annusl, halfyearly, or quarterly preinium, at a promium payable during a limited number of years only, or at a single premium.

\section*{Conditions of Assurance.}

Persons etlecting assurances on the lives of others must have a pecuniary interest in the lives to the full amount assured.

Assurances effected by persons on the lives of others are not void in case of death by suicide, duelling, or the hands of justice.

In the event of the death by suicide, duelling, or the hands of justice, of persons to whom assurances have been granted on their own lives, the assurances, although void so far as respects such persons, remain in force eo far as any other person or persons shall then have a bona fide interest therein, acquired three months previously to such clecease by assignment, or legal or equitable lien, upon due proof of the value of such interest being made to the satisfaction of the managers, according to the claimant's debt or purchase-money, with interest, and premiums paid by him; and if any
person aswured upon hils own life, and who shail have been no for at leant flve years, die by his own hands, and not felo de se, the managers are liberty, if they think proper, to pay for the benen of his family any sum not exceeding what it society would have paid fur the purchase of interest la the policy, if it had been surrenden to the soclety the ilay previoua to his dereme proviled the interest in such assurance then bear the assured, or in miy trustee or truatees for bin or for hls wife or chililren.
Assmrances which have become void by a payment of the premium within tifteen days aft the time stipulated in the pollcy, may be reneme on production of antisfactory proof to the mama; of the health of the permon on whose life the ase ance was maile, and pryment of the premi within threo calendar months, together with atditional sum of 10 s. upon cery 1001 , asure by the policy.

Claims aro paill within three menths aftere tilleates (aceording to tho required forms) of ( death and burial of the deceased are approved the managers.

No assurance can take place until the first po ment is made.
A certifleate of birth or bnptisn should be duced, if possible, hefore the policy is issued

Namo of the life to be assured
Profession or occupatlon,
Present residence,
Place of birth,
Date of birth,
Age next birth-day;
Sum,
Term,
Name and addition of the usual medical atte ant of the life proposed,
Name and addition of two non-medied ferces.
Has your medical referee often attended professionally?
When did ho last sce you professionall for what complaint or discase?

Has he ever attended you for any ser illness?
What was the nature of it?
Inve you ever had any scrious illaess?
What was the nature of it?
By whom were you then attended?
Have you ever had rheumatic ferer, asthma, or any fit or fits?
Have you ever been atllicted with rupture
Have you ever exhibited any symptom of anmption or other disease of the lungs? Are your parents living?
If not, state the diseases of which they and their ages at the time of death?
How many brothers and aisters bare had?

Ilave you lost any ?-if so, state the nut the diseases of which they died; and theit at the time of death.
Have any of your near relations died of sumption of the lungs, or other pulmonare dis If \(80_{r}\) state the relationship, and the agesats they died.
Are you afflicted with any disoder tendis shorten life?

Are you afflicted with disease or disonder kind?

What is the atate of your health generally
Have you had the small-pox or been

\section*{nated?}

Has your life been declined by any other ance office, or accepted at an increased \(r\) premium?
any the Sun 1
Whan the Life of

\section*{wase life.}

Scs Life As
ypllicy ofassurar Riqn of - Squ ding san assursace Wuration thereof, Na to be subscribe
hadelarstion midelarstion sett at thate of health, 4e of the said \(A\). Lind basingng pai \(\checkmark\) Luendsurgncen the Soc d Lodion, the su dablings and e kantion for the ass timed for one year 47, 1843:
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ad who shall chy his owa agers are at or the beneter ny what the urchase of hirg n surrenden , his decese nee then be astees for bim
void by ana teen days atite may be mener to the mana, we life the asmir of the premina gether with in ary 1001, assur nonthes atter cea red forms) af 4 - are appraved mtil the firt p
sm should be : licy is issued.
i do berely certify that I am now in good the that Ido ordínarliy enjoy a good state of halich that I am sober and temprerate in my whits of life, and that I am not awaro of any nouts of hence, tending to sliorten my life or to invum anance on it mere than usually Rolet in
Ind I do hereby further certlify that I have had occasion for medical advice or assistduring the last
nut during I know no other medleal practitioner noompent to certify as to my health, habits, whemsititution as
wala hare referted.
barbue aame is the policy desired,
Signed
The of propusal,
tosad artieas to be sent to
Dechnotion to be mude and signed by or on behalf da pertoon who proposen to muke an assurance on bue Ife of another.
turftel na the other side hereof, being desirous Wharning with the Sun Life Assurance Society than (f \(\dot{d}\) on the life of
Wederibed on the other side, do hereby deelare
Gut I hare an interest in \(h\) life to the full warto the sail sum of \(£\); that to the Fa of mynowledge and bellef \(h\) ago does dased years ; that he is now in good with hat he does ordinarily enjoy a good ased tualth, that he is sober and temperate It Hits of life, that the whole of the statesatis abie other side hercof are true, and that famanure of any other circumstance tending atateal life, or to render an nssurnnee on it we hansually hazardous; and this declarntion to be the basis of the contract between me and \(k\) wid society ; and if any untrue averment is ruined in this declaration, or in the statements terotber side hereof, in setting forth h age, weof bealit, habits, profession, occupation, or be cumstances, then all moneys which shall mexerpaid to the socicty upon account of tho cune made in consequence thereof shall be yex

Dated the day of
18

Fig ly the Sua Life Assurance Society for Whon the Life of A. B., aged thirty, insuring awn lije.

Scy Life Assurance: Society.
lispoliey ofassurance witnesseth, that, whereas RLiqno of - Square, London, being desirous meing an assurance upon his own lifo for the pduation thereof, and having subscribed, or ad to be sabscribed, and delivered into this andeclaration setting forth his ordinary and vet tate of health, whercin it is declared that 45 of the said A. B. did not then exceed 30 and haring paid to the managers for the Lede dsurance Society, at their office in the \(\checkmark\) London, the sum of twenty-four pounds a billings and eight-pence sterling, as a Thation for the assurance of the sum undertimed for one year from the twentleth day of 4T, 1843:
Whow all men by these presents, that in the suid assured shall happen to die at any mithin the term of one year, as above set ? the stock and funds of this Society shall be
*imert age next bitithay.
suljeet and linble to pay and make gool to the exceutors, alministratory, or nasigns of the sald asaured, withir three months after the demine of the said assured shali have been cluly eartitled to the managers aforesaid, at their and otllee, the sum of one thousand pounds sterling, of lawful money of Grent liritalin, with sueh aldition or ailditions ns the managers for the aaid society may from time to tlme make thereto, under the powers vested In them by an Aet of l'arllament made and passed in the seventh year of King William IV. cap. 17.
It is hereby agreed that this polley may continue in force from year to year, until the expirntion of the term tirst nbove-mentioned, proviled that tho snid assured shall duly pay, or canse to be paid, to the managers, nt their sall olllee, on or beforo the nineteenth day of October next ensuing, the anm ul' twint \(y\)-four ponnds eleven shitlings and eight-pence sterling, and the liko aum annaally, on or before the day nforenaid; which annual payments shall bo neceptel, at every such period, as a full consileration for such ussurance.
And it is hereby further ngreed that the assurance by this policy slinll be extented during peace to tho risk of the above-named A. I3. Jing., dying upon the sen in passing between any ono part of Europe to any other purt of Europe.

I'rovided nevertheless, that shenld the said assured, within the term for which this poliey is granted, depart beyond the limits of Europo, die upon the seas (except as above stated), or engago in any military or naval service whatsoever, other than in the militin or in nny yeomanry or volunteer corps acting within the Unlted Kingdom of Great Britain ant Ireland; or should the assurnnee havo been obtained through any misrepresentation of the age, state of health, or description of the said assured; or shonld the said assured dio by duclling, suicide, or tho hands of justice; then this policy, and every thing appertaining thereto, shall cease, be yoid, and of nono effect, so far as respects the said assured; but in case the said assured die by suicide, duelling, or the hames of justice, this policy shall remuin in force so far as any other person or persons shall then have a bona fide interest tharein, nequired threo months previously to such deceaso by assignment, or by legal or equitable llen, upen due proof of the value of such interest being mado to the satisfaction of tho managers according to the claimant's delt or purchnse money, with interest, and premiums paid by him. And if the said assured shall have been so for at least five ycars, and shall dio by own hands, and not felo de se, the managers shall bo at liberty, if they shall think proper, to pay for the benetit of family any sum not exceeding what the Society would have paid for the purchase of interest in the policy if it had been surrendered to the Society the day previous to decease, provided such interest shall then be in the assured, or in any trustec or trustees for
In witness whereof, we, three of the managers for the said Society, have hercunto set our hands and scals, this day of 18
N.B. This Society 18 in no case bound by notice of any assignment of this policy, unless the same be delivered in writing at their office in Threadneedle Street, London.

Signed, sealed, and delivered, being first duly stamped, in the presence of
The following are the premiums demanded by the Sun Life Assurance Society for insurances on joint lives and surrivorships.
III.--Jont Lives (with Profits).- 1 Table of \({ }^{1}\) unual Premiums payable during the Joint Continuance of 2 Laves, fur assuring 100l, to be paid as soon as ether of the two shall drop.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \[
\begin{gathered}
\text { Age } \\
\text { nert } \\
\text { Mifh. } \\
\text { duy } \\
\hline
\end{gathered}
\] & \[
\begin{gathered}
\text { Age } \\
\text { nexit } \\
\\
\text { day }
\end{gathered}
\] & \(\underset{\text { iremunimm }}{\substack{\text { Annunt }}}\) & \[
\begin{gathered}
\text { Age } \\
\substack{\text { nert } \\
\text { Britl- } \\
\text { day- }}
\end{gathered}
\] & \[
\begin{gathered}
\boldsymbol{A}_{\mathrm{ge}} \begin{array}{c}
\text { next } \\
\text { natith } \\
\text { day }
\end{array} \\
\hline
\end{gathered}
\] & \(\underbrace{\substack{\text { nnual }}}_{\text {I'remual }}\) \\
\hline \multirow[t]{2}{*}{10} & \[
\begin{aligned}
& 10 \\
& 15 \\
& 10 \\
& 20
\end{aligned}
\] & \[
\begin{array}{lll}
2 & 6 & d \\
2 & d \\
2 & 7 & 5 \\
2 & 11 & 0
\end{array}
\] & 23 & \[
\begin{array}{r}
30 \\
85 \\
60 \\
\hline
\end{array}
\] & \[
\] \\
\hline & \[
\begin{aligned}
& 80 \\
& 30 \\
& 3.3 \\
& 40 \\
& 40 \\
& 40 \\
& \hline 50 \\
& \hline 60 \\
& 60
\end{aligned}
\] &  & 30 & 30
35
31
43
43
50
35
60 &  \\
\hline \multirow[t]{2}{*}{13} & 15
20
20
35
30
35
40
40 &  & 35 & \[
\begin{aligned}
& 33 \\
& 40 \\
& 45 \\
& 50 \\
& \hline 5 \\
& 60 \\
& \hline
\end{aligned}
\] & \begin{tabular}{ccc}
4 & 10 \\
4 & 18 \\
4 & 9 \\
5 & 7 & 6 \\
6 & 1 & 5 \\
7 & 6 & 5 \\
9 & 0 & 6 \\
\hline
\end{tabular} \\
\hline & \[
\begin{aligned}
& 4.5 \\
& 30 \\
& 50 \\
& 50 \\
& \hline
\end{aligned}
\] & \[
\begin{array}{lll}
4 & 11 & 0 \\
5 & 9 & 8 \\
6 & 14 & 11 \\
8 & 9 & 6
\end{array}
\] & 40 & 40
45
40
30 & \(\begin{array}{llll}5 & 5 & 8 \\ 5 & 3 & 10 \\ 6 & 7 \\ 7 & 7 \\ 7 & 9\end{array}\) \\
\hline \multirow[t]{3}{*}{20} & 20 & \(3{ }^{3} 11\) & & 6.9
60 & 95 \\
\hline & \[
\begin{aligned}
& 4.5 \\
& 3, \\
& 35 \\
& 30 \\
& 40 \\
& 45
\end{aligned}
\] &  & 45 & \[
\begin{aligned}
& 4.5 \\
& 30 \\
& 68 \\
& 60 \\
& \hline 60
\end{aligned}
\] & crcc \\
\hline & \[
\begin{aligned}
& 50 \\
& 50 \\
& 50 \\
& \hline
\end{aligned}
\] & \[
\begin{array}{lll}
5 & 11 & 7 \\
6 & 16 & 8 \\
8 & 11 & 1 . \\
\hline
\end{array}
\] & 50 & \[
\begin{aligned}
& 50 \\
& 59 \\
& \hline 60 \\
& \hline
\end{aligned}
\] & \[
\begin{array}{rrrr}
\hline 7 & 5 & 6 \\
8 & 7 & 1 \\
9 & 18 & 11 \\
\hline
\end{array}
\] \\
\hline \multirow[t]{2}{*}{725} & 23 & \(\begin{array}{ccc}3 & 9 & 6 \\ 3 & 14 & 10 \\ 1 & 10\end{array}\) & 35 & \[
\begin{aligned}
& 5.5 \\
& 60
\end{aligned}
\] & \({ }_{11}^{9} 18181{ }^{8}\) \\
\hline & 40
45 & \begin{tabular}{lll}
4 & 9 & 6 \\
4 & 19 \\
4 & \\
\hline
\end{tabular} & 60 & 60 & 12810 \\
\hline
\end{tabular}
IV.-Survivorships (without Profits).-A Table of Annual Premiums payable during the Joint Continuance of the 2 Lives, for assuring 100l, to be paid at the decease of 1 person \(A\), provided another \(B\) be then living.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \[
\left|\begin{array}{c}
A \text { be of } \\
A_{i} \text { ihe } \\
\text { jife } \\
\text { to le } \\
A \text { ssured }
\end{array}\right|
\] & Ape of
Bi the
Lafe
akainst
which
the As-
surance
is to he
made & Annunl & \[
\begin{gathered}
\text { Age nf } \\
\text { S. ihe } \\
\text { i.lfe } \\
\text { to lee } \\
\text { Assured }
\end{gathered}
\] & Age of
iti the
tife
egalant
which
the As.
surance
lis to be
mede & Annual 1 reminm \\
\hline 10 & \[
\begin{aligned}
& 10 \\
& 20 \\
& 30 \\
& 30 \\
& 80 \\
& 60 \\
& 70 \\
& 80 \\
& \hline 0
\end{aligned}
\] & \[
\begin{array}{lll}
x & 8 & d \\
1 & 1 & 5 \\
1 & 2 & 2 \\
1 & 0 & 7 \\
0 & 19 & 5 \\
0 & 18 & 0 \\
0 & 16 & 7 \\
0 & 15 & 3 \\
0 & 14 & 1 \\
\hline
\end{array}
\] & 10 & \[
\begin{aligned}
& 10 \\
& 40 \\
& 30 \\
& 40 \\
& 40 \\
& 60 \\
& 79 \\
& 80 \\
& \hline
\end{aligned}
\] &  \\
\hline 20 & \[
\begin{aligned}
& 10 \\
& 40 \\
& 30 \\
& 40 \\
& 40 \\
& 60 \\
& 70 \\
& 70 \\
& 80
\end{aligned}
\] & \begin{tabular}{ccc}
1 & 7 & 0 \\
1 & 7 & 6 \\
1 & 6 & 0 \\
1 & 4 & 0 \\
1 & 4 & 2 \\
1 & 0 & 5 \\
0 & 18 & 5 \\
0 & 17 & 9 \\
\hline
\end{tabular} & 50 & \[
\begin{aligned}
& 10 \\
& 80 \\
& 30 \\
& 40 \\
& 50 \\
& 60 \\
& 70 \\
& 80 \\
& \hline 80
\end{aligned}
\] &  \\
\hline 30 & \[
\begin{aligned}
& 10 \\
& 20 \\
& 30 \\
& 40 \\
& 30 \\
& 60 \\
& 70 \\
& 30
\end{aligned}
\] & \(\begin{array}{ccc}1 & 18 & 3 \\ 1 & 17 & 11 \\ 1 & 16 & 0 \\ 1 & 14 & 8 \\ 1 & 11 & 6 \\ 1 & 9 & 1 \\ 1 & 6 & 11 \\ 1 & 1 & 8\end{array}\) & 60 & \[
\begin{aligned}
& 10 \\
& 80 \\
& 40 \\
& 40 \\
& 40 \\
& 80 \\
& 60 \\
& 70 \\
& 80 \\
& \hline
\end{aligned}
\] &  \\
\hline
\end{tabular}

From the speeimens of premiums in the two preceding tables, the reader will easily judge of the proportinual premium for any combinat'in of two ages not inserted in them.
Equitable Assurance Society. - The following is the deelaration required to be mnde nnd signed in the office, by or on the belualf of a person who proposes to make an assurance on his or her own life:-
ceoming a being desirous of beeoming a member of the Society for Equitable Assurances on Lives nand Survivorslips, and intending to make assurance in the sum of
of my own life, and haviun nud for the continnan that clause of the deed of sett'ement of thitered Society which requires a deelaration in the sur the age, state of health, and other cireumstancee attending the person whose life shall be proponees to be nssured, do herelyy declare anild pret furth Thint my age does not exceed ; that I har had the small-pox;
and huve
lind the goint : and thant \(\mathrm{I}_{\text {am and }}\) ntllieted with any disorder which tends to th shortening of life; and I dio hereby ngree that between the snid Society nasd me, and that if a unt rue averment is ceniained in this decharation all moneys which shanll have heen paid to that Society upon account of the assurance matei conse
the
Lord
day of
The followin the Lauitable are the premiums demanded equivalent mmuity on the contingeney, of on

\(\qquad\)
An addition of 22 per cent., ccmpluted ypa premium, is charged upon military perims; an addition of eleven per cent, on offiers at pay, officers in the militia, fencibles, and the levies; also on persens not haviog had the so pox, or hnving had the gout.
Persons prefering the payment of a gus or single premium upon an assurance for ans

R-Premiums demanded by the principal Life Insuranee Societies for insuring 1001. at every differnt Age from 15 to 60, for the whole Term of Life.

Amicabe
\begin{tabular}{|c|c|c|}
\hline 180 & Alliance and Sua & A \\
\hline 15 &  & c
1
1
1 \\
\hline
\end{tabular}
Ind constitredy
ent of the said min wnting of
t circumstance nall be proposee and net furth

 nd that I am ans ch tends to the erebre agree lus
of ine contrad and that if sul this declaratiog
acen paid to tha assuronce made if assuronce mate in
forfeited. late in the year of eul lums demanded by ontingeney of on

Annist tening
 \(\substack{\text { from } \\ \text { Life } \\ \text { Lif } \\ \text { the }}\)

cent., ccmputed ypes a mintary persints; cent. oa whe sud the ot having lad the sue out. payment of a grose in ossurance fot ay

hundredth part of those for the whole period of life; and that the business of the office at present is almost wholly contined to the assurance of persons on their own lives-those on the lives of others, whether for terms or for continuance, being, in consequence of the commission money allowed to agents and nttorneys, engrossed by the new offices. (Account of the Equitable Society, p. 53.)

Form of a l'roposal to be presented to a Weckly Court of Directors.
Name and profession of the life to be assured. Place and date of birth.
Pince of residence.
Age. Sum
By whom made.
To give reference to two persons of good repute
(one, if pussible, of the medical profession) to ascertain the present and general state of health of the life to be assured.
If had the smali-pox.
If vaccinated.
If afflicted with the gout. If ever rupturea.
Parties who do not appear before the Court of
Directors are required to give a reference to three persons for an account of the present and general atate of their health.
The following is the clause which is referred to in the welaration:-
That every person desirous of making assurance with the Society shall sign or exceute a deelaration in writing (in the r"csence of one credible witness, who shall attest the same), setting forth the age, state of health, profession, occupation, and other circumstances attending the person or persons whose life or lives shall be proposed to be assured; which declaration shall be the basis of the contract betwees the said Socicty and the person desiring to make assurance with them; in which declaration if any artful, false, or iraudulent representation shall be used, and the same shall at any time there fter be discovered, from thenceforth the sums which shall have been paid to the Society on accomit of any assurance so frauduiently obtained shall be forfeited to the use of the Society; and all claims to bo made on that behalf shall cease, determine, and be void, to all intents and purposes whatsoever.

INTEREST AND ANNUITIES. Interest is the sum pail by the borrower of a sum of money, or of any sort of valuable produce, to the lender for its use.
The rate of interesc, anpposing the security for and facility of re-possessing the principal, or sum lent, to be equal, must obriously depend on what may be maile by the amployment of capital in industrious undertakings, or on the rate of profit. Where profits are high, as in the United States, interest is also high; and where they nre comparatively low, as in Holland and England, in-
terest is proportionnlly low. In fact, the rate interest is nothing more than the nett profit capital: whatever returns are cbtainet bs borrower, beyond the interest he has agreed pay, really accrue to him on account of trouble, or skill, or of advaatages of situatyo annection
But besides fluctuations in the rate of inta caused by the varying prorluctiveness of indur the rate of interest on each particalar lon mo of course, vary necording to the supposed solve of the borrowers, or the degree of risk suppone be incurred by the lender, of either not reore payment at all, or not recovering it at the sulated term. No person of sound mind \(n\) lent on the personal security of an individu doubtful character and solvency, and on mont over a valuable estate, at the eame rate of int Wherever ther is risk, it must be compen to the lender by \(n\) higher premium or interes
And yet, obvious as this principle may up all governments have interfered with the of ment of the terms of loans: some to pr .nterest altogether, and others to fix cerain which it should be deemed legal to chare illegal to excecd. The prejudice against interest seems to have principally origint a mistaken view of some eeractments of Mosaical law (see Michaelis On the Law Moses, vol. ii. pp. 327-363, Eag. ed.), statement of Aristotle to the cffect that, \(9!\) did not produce money, ag return conit be ably elained by the lender! But whatere have been the origin of this prejudice, furmerly universal in Christendom, and supported by law in all Moharimedan on The famous reformer Calvin was one of th who saw and exposed the absardity of notions (see an extrect from one of bis in Principles of Political Economy, by the of this work, 3rl cd. p. 520); and the caused bv the prohibition, and the s eonciction of its impolicy, booa after led
relaxntion. [n 1554 a statute was passed rising lenders to eharge 10 per cent. izto 1024 the legal rate was reduced to 8 per and in the reign of Queea Anne it mas reduced to 5 per ceat., at which it still cos It is enacted, by the statute ( 12 Anoo making this reduction, that 'all person shall receive, by means of any corrupl loan, exchange, elievizance, or interest Wares, merchandise, or other thing whal by any deceitful way or means, or by ans engine, or deceitful conveyance for the for or giving day of payment, for one whoie their money or other thing, abore the sulu for 1001. for a year, shall forfeit for erg offence the treble value of the moxess, things, so lent, bargained sco

It is aee notecin' the inexpedi merchences alimit the th limit the aumalilies: cout be acc volative ens rier is to in the be mark krowes are xrixes to evad aculirafs attel

It is needless to wasto the render's time by reint fato any lengthened arguments to show wentinspedienct and mischievous effect of such ta mespedien This has been done over and over ara It is plainly in no respect more desirable wianit the rate of interest than it would be winit he of insurance, or tha prices of Qumit :3 caroulities: and though it were desirable, it cimand be accomplished. The real effect of nll widsise ennetments having such an object in rys is to increase, not diminish, the rate of burat When the rate fixed by law is less ton the market or customary rate, lenders and tumes are obliged to resort to circuitous riw to cude the law; and ns theso devices madrass attended with more or less trouble and tathenerate of interest is proportionally enhanced Dina the war ended 1815 it was not uncommon wation to be paying 10 or 12 per cent. for a temwibh, had there been no usury laws, he might regot for 6 or 7 per cent. Neither was it by nows uncommon, when the rate tixed by in more than the market rate, for borrower theoligel to pay more than they really stipuWha It is singular that an ennetment which Gusdicted the most obvious principles, nand had knapeatedy: condemned by conmittees of the kidtrue should have been allowed to preserve pare: 'he Statute Book for so long a period; prikerth it was substantially repealed by the at 83 Yict. c. 37 , which exempts bills of hane oot having more than 12 months to maderinacts for loans of money above \(10 l\). priagenation.
Didurainof Simple and Compound Interest.fenalanis made, it is usual to stipulate that ineests upon it should be regularly paid at eold every year, half-year dec. A coan of entris ind to be at simple interest. It is of Fanne of such lonn that no part of the insunening upon it should be adiled to the prinWhformanew principul; and though payment wi.ws were not made when it becomes due behr rould not be entitled to charge interest onsh unpaid interest. Thus, suppose \(100 l\). arat simple interest at 5 per cent., payable by ped of each year; the lender would, at the dabed yeass, supposing him to bave received primss payments, be entitled to \(15 l\). or \(20 l\)., wame
weimes, however, money or capital is inods that the interest is not paill at the wisthen it hecomes due, but is progressively do the principal; so that at cevery term a pricital is formed, consisting of the original and and the successive accumulations of sat opon interest. Money invested in this isid to be placed at compound interest.
upeassotunreasonable that when a borrower wou my the interest he has contracted for, at wind when it is due, he should pay interest sedinterest. This, however, is net allowed dis of England; nor is it allowed to make on a compound interest. But this rule is moded by taking a new obligation for the Wal with the interest included, when the bexmes due. Investments at compound The also very frecpuent. Thus, if an inwal boy into the funds, and regularly buy ttok with the dividends, the eapital will at compound interest; and so in any rase.
alation of Interest.-Interest is estimated at ch per cent. per annum, or by dividing the oul into 100 equal parts, and specifying how \(d\) these parts are paid yenrly for its use. 5 per ceat., or 5 parts out of 100 , means
that \(5 l\). are paid for the use of \(100 l\). for a year, \(10 c^{\circ}\) for the use of 2001 , and 22.10 s , for the use of 501 for the same period, and so on.
Suppose, now, that it is required to find the interest of 2101 . 138. for \(3 \frac{1}{2}\) yenrs at 4 per cent. simple interest. In this case we must first divide the prineipal, \(210 l .13 s .\), in to 100 parts, 4 of which will be the interest for 1 year; and this being multiplied by \(3 \frac{1}{2}\) will give the interest for \(3 f\) ycars. But instend of tirst dividing by 100 , and then multiplying by 4 , the result wifl be the same, and the process moro expoditious, if we tirst multiply by 4 , and then divide by 100 . Thus-


It is almost superfluous to observo that the same result would have been obtained by multiplying the product of the prineipal and rate by the number of years, and then dividing by 100.
Hence, to tind the interest of any sum at any rate per cent. for a yenr, multiply the sum by the rate per cent., and divide tho product by 100 .

To find the interest of any sum for a number of years, multiply its interest for one year by the number of yenrs ; or, without calculating its interest for one year, multiply the principal by the rate per cent. and that prochet by the number of years, and divide the last product by 100 .

When the interest of any sum is required for a number of dnys, they must be treated as fractional parts of a year; that is, we must multiply the interest of a year by them, and divide by 365

Suppose that it is required to find the interest of \(210 t\). for 4 years 7 months and 25 days, at 43 per cent.
\[
\begin{aligned}
& \text { 1rincipal } \\
& \text { Rate per cent. } \\
& \frac{\underset{210}{810}}{\frac{4}{810}} \\
& 105
\end{aligned}
\]

Interest for 1 year \(£ 9^{\circ} 45 \times 1=£ 37\) 'S0 ditlo for 1 years
Interest for 4 years \(=37.5100\)

25 days \(=8\) of 6 monthas \(=-6472\)
\[
\int \overline{13.9 .517}=\{13 \quad 19 \mathrm{~s} .29 \mathrm{~d} .
\]

The interest, for 25 days is \(\frac{945 \times 25}{365}=6472\);
that is, it is equal to the interest for a year multiplied by the fraction \(\frac{25}{365}\). Division by 100 is pei formed oy euting off two figures to the right.
Mnnv attempts have been made to contrive more expeditious processes than the abovo for calculating interest. The following is the best:-
Suppose it were required to find the interest upoz \(172 l\). for 107 days at 5 per cent.
This forms what is called in arithmetical books a dlable rule of three question, and would be stated as follows :-

Hence, to find the interest of any sum for any number of days at any rato per cent, multiply the sum by the number of days, and the product by the rate, nnd divide by \(36,500(365 \times 100)\); the quotient is the interest required.
When the rate is 5 per cent., or \(\frac{1}{20}\) of the principal, all that is required is to divide the product of the sum multiplied by the days by \(7,300(365\), the days in a \(y\) ear, multiplied by 20 ).

Five per cent. interest being found by this 312
extraneey simple process，it is usual in practice to calculate 4 per cent．interest by deducting ； 3 per cent．by deducting \(\frac{2}{5}\) ；\({ }_{2}^{2}\) per cent by dividing by \(2 ; 2\) per cent．by taking the half of 4 ，and so on．
In calculating interest upon accounts current， it is requisite to state the number of days between caell receipt，or payment，and the dato（commonly December 31）to which the account current is mado up．Thus，172l．paid on September 15， bearing interest to December 31， 107 dnys．The amount of such interest inay，then，be calculated ns now explained，or by the aid of tables．The rater will lind in the article Bookk－mering
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline 5 & 穹䉞 & 号 & 走 & 5 & 5 & \％ & \％ & & & & & & 鸸 & & & & & & 苟 & & \\
\hline & 32 & 91 & 121 & 152 & 272 & 213 & 211 & 271 & 5 & 335 & 17 & 48 & 76 & 102 & 138 & 178 & 198 & 229 & & & \\
\hline & 33 61 & 92 & 122 & 153 & 183 & 214 & 215 & 275 & 3116 & 356 & 18 & 49 & 71 & 118 & 138 & 16 & 199 & 280 & & 491 & \\
\hline & 54.62 & 93 & 123 & 151 & 181 & 215 & 216 & 276 & 6307 & \(\sqrt{33}\) & 19 & 51 & ； 8 & 109 & 139 & 170 & 200 & 231 & & & \\
\hline & 356 & 94 & 121 & 15 & 180 & 216 & 21. & \(2 ; 7\) & 73118 & 338 & 20 & 31 & ：9 & 110 & 14 & 171 & 201 & 238 & & & \\
\hline & 36 & S & 12.5 & 1.56 & 186 & 217 & 218 & 278 & \％ & 339 & 21 & S2， & 80 & 111 & 131 & 172 & \(2{ }^{2012}\) & 233 & & & \\
\hline & 37 & 96 & 126 & 157 & 188 & 218 & 449 & 279 & 310 & N0 & 22 & 53 & 81 & 112 & 14 & 173 & 20.3 & 231 & & & \\
\hline & 386 & 97 & 127 & 1.58 & 148 & 219 & 250 & 281 & 311 & 341 & 23 & 54 & K2 & 113 & 143 & 174 & 2011 & 23 & & & \\
\hline & 3967 & 18 & 128 & 159 & 189 & 221 & 251 & 281 & 1 & 319 & 21 & 351 & 83 & 114 & 141 & 175 & 205 & 23 & & & \\
\hline 9 & 6 K & 99 & 129 & 160 & 190 & 221 & 252 & 242 & 21313 & 383 & 43 & 361 & 8 & 115 & 113 & 176 & & 237 & & & \\
\hline & 69 & 100 & 130 & 161 & 191 & 222 & 253 & 283 & 3311 & 314 & 26 & 371 & 8.5 & 116 & & 1177 & 917 & 1278 & & & \\
\hline 11 & 70 & 101 & 131 & 162 & 192 & 243 & 254 & 28. & 315 & 345 & 27 & 4 & 86 & 117 & 147 & 178 & 8 & 239 & & & \\
\hline 12 & 43 & 102 & 132 & 163 & 193 & 824 & \(2 \times 5\) & 28.5 & 1316 & 36 & 28 & 59 & 87 & 118 & 8 & 179 & & 10 & & & \\
\hline 13 & 72 & 103 & 133 & 164 & 191 & 225 & 6 & 286 & 317 & 347 & 29 & & & & 149 & 180 & 2 & 24 & & & \\
\hline 1.1 & 45.73 & 204 & 134 & 16.5 & 19.5 & \({ }^{226}\) & 237 & 287 & 318 & & & & & &  & 181 & & & & & \\
\hline & 16.74 & 10.5 & 175 & 166 & 1.96 & 227 & 258 & 288 & \(\times 13\) & & 1 & & & & & & & & & & \\
\hline & 177175 & 1061 & 136 & 1 & & 128 & 259 & 289 & 920 & & & & & & & & & & & & \\
\hline
\end{tabular}

By this table may be readily ascertained the number of elays from nny given day in the year to another．For instance，from January 1 to Augnst 14 （irst and last dnys included）there are 226 days．To find the number，look down the column heided January，to number 14，and then look alongt in a parallel line to the column headed August－you find 226，the number required．
To find the number of dnys between any other t wo given lnys，when they are both after January 1，the number opposite the first day must，of course，be deducted from that opposite to the second．Thus，to find the number of days be－ tween March 13 and August 19，deduct from 231， the number in the table opposite to 19 and under August，72，the number opposite to 13 and under March，and the remainder， 159 ，is the number required，Inst day included．

It leap years，one must be added to the number alter February 28.

For the mole of calculating discount，or of finding the present values of sums due at some future date，at simple interest，see Discount．

In counting－houses，interest tables are very frequently made use of．Such publications have， in consequence，become very numerous．Most of them have some peculiar recommendation，and are selected according to the object in view．

When interest，iustead of being simple，is com－ pound，the first year＇s or term＇s interest must be founl，and being added to the origiaal principal， mases the principal upon which interest is to be ca＇onlated for the second year or torm；and the pecond year＇s or term＇s interest being itlded to this last principal，makes that upon which interest is \(t:\) be cnlculnted for the third year or term；and so on for any number of ycars．

But when the number of years is mas able，this process becomes exccediagly cuat sume and tedious，and to facilitate it tables！ been constructed，which are subjoined to article．
The first of these tables（ \(\mathrm{N}_{\mathrm{o}}\) I． ）represent amount of 11 ．accumulatiag at compound int at \(2 \frac{1}{2}, 3,3 \frac{1}{2}, 4,4 \frac{1}{2}, 5\) ，and 6 per ceat，crety yar， 1 year to 70 years，in pounds and decimals pound．Now，suppose that we wish to koom much 5001 ．will amount to in 7 years at cent．In the column marked 4 per cent and posite to 7 years，we fiad \(1.315,932\). ，which that \(1 i\) ．will，if invested at 4 per ceat．comp interest，amount to \(1 \cdot 315,932 l\) ，in 7 years；and sequently， \(500 l\) ．will，in the ssme time，sod same rate，amount to \(500 \times 1 \cdot 315,932 l\) ．er 6 jif that is， \(657 / .19 \mathrm{~s} .4 \mathrm{~d}\).

For the same purpose of facilitating calco？ the present value of 11 ．due sny number of hence，not excceding 70，at \(2 \frac{1}{2}, 3,3,3,4,4,4\) 6 per cent．compound interest，is given is subjoined Table，No．II．Let it，for examp required to find the present worth of 5004 years hence，reckoning compound iateres at cent．Opposite to 7 years，sad under 4 per we find 75901,7811 ．，the presen worth due at the end of 7 ycars ；and multiplying sum by 5001．，the product，being 3799028 379l．199s．2d．，is the answer required．

\section*{Annuities．}

1．Annuities certain，－Wien a sum of mo to be paid yenrly for a certain number of \(r\) is called an annuity．The annuities usualh with are either for：；－is number of years，
 the most usur e mnde up，an ia houses Ard at that seaso lly sold off，an
culating inter eadily to find 1 any one mod 1．＇This may y means of
any other Dry
ang as one or more individuals ahall live，and un thence called contingent annuities．
Brthe amount of an annuity at any given time mesnt the sum to which it will then nmount， mosing it to bave been regularly improved mpposing it interest during tho intervening nind．
The present value of an annuity for any given ind the sum of the present values of nll the vanents of that annuity．
lis IHI，and IV．of the suljoined tables repre－ is ill．and and present value of an annuity 11．reckoning compound interest at \(2 \frac{1}{2}, \dot{3}\) ， 4，tit 5 ，and 6 ner cent．from 1 year to 70 ． dis welf as Kos．I，and II．，are taken from fide of Interest，Discount，and Annuities，by Tho farat，Gent．，4to．Landon，1726．＇They are ind to 8 decimal places，an＇l enjoy the highest Tater both here and on the Continent，for latr．bo boletences ariginal work is rheome very scarce．
The nies of these tables are numerous，and kr are esily applied．Suppose，for example，it mequired to tell the amonnt of an annuity of Vreat for 17 years at 4 per cent．compound ＝
Oppsite to 17 （Table III．）in the column of as and under 4 per cent．，is \(23.697 \tilde{0} 1,239\) ， the monnt of an annuity of \(1 l\) ．for the given it the given rate per cent．；nud this multi－
 e mont required．
Suppecenow，that it is required what sum one st par don to receive an annuity of \(50 \%\) ，to wine fol li years，compound interest at 4 per It？
Cpposite to 17 years（Table IV．）and under 4 （ent．is \(1: 16566,886\) ，the present value of an nair of ll for the given time and at the given ment．and this multiplied by 50 rives \(2 \times 3+3\), of \(6081,5 s, 8 d_{0}\) ，the present value re－

Beat is required to find the time which must ＊in order that a given sum improved at \(n\) kibatate of compound interest mny increase ras oher given sum，divide the latter sum by fime，and look for the quotient，or the be mearest to it，in Table No．I，under the atate per cent．，and the years opposite to it benoswer，－Thus，
Thas time sill \(523 l\) ．amount to \(1,087 l .5 s, 7 d\) ． peont，compound interest？
fide 108.27948 c ．by 523 ，and the quotient de 20.59 \＆c．，which，under 5 per cent．in el．sopposite to 15 years，the time required． thad been required to find the time in which （annuitr，improved at a certain rate of wondinterest，would have increased to some Nm，the question would have been answered riding，as sbov：，the given sum by the It and looking for the quotient（uet in So．1．，but）in Table No．III．，under the rhe per cent．，it would be found on a line be time required．－Thus
Tes l，000l，snd resolves to appropriate 101. on his inconic su its discharge：in what time se debt be extinguished，reckoning com－ Interest at 4 per cent．？
dedided by 10 gives 100 ，the number in do．1ll．unider 4 per cent．，and nearest to otieat is \(99 \cdot 8265\) \＆c．opposite to 41 years， gaired time．Had the rate of interest：been tah，the debt would have been discharged what less than 37 years．This example by Dr，Price（Annuities，Gth ed．vol．ii． a and on this principle the whole fabric of ing fund was constructed．

Of the abstract truth of the principle there cannot，indeed，be a doubt：but everything de－ pends on the increasing sums annually produced being immectiately invested on the same terms； nnd this，when the sum is large，and the period long，is altogether impracticable．
Let it next be refuired to find an annuity which，being inereased at a given rnte of compound interest during a given time，will amount to a specified sum ：in this case we livide tho specitied sum by the amount of \(1 /\) ．for the time and rate given，as found in Table III．，and the quotient is the nnswer．－－Thus，

What annuity will amount to \(1,087 \mathrm{l}\) ．5s． 7 d ．in 15 years at 5 per cent．compound interest？
Opposite to 15 years in Table III．，and under 5 per cent．，is \(21.5785 \& c\) ．，the amount of 11 ．for the given time and rate；and diviting 1087．2794 \＆c． by this sum，the quotient 50.387 \＆c．，or \(50 l .7 \mathrm{Ts} .9 \mathrm{~d}\) ．， is the annuity required．

Deferred Anuuities are those which do not commence till after a certain number of years； and reversionary annuities，such as depend upon the occurrence of some uncertnin event，as the death of un individunl \＆c．
The present value of a deferred annuity is found by deducting，from the value of an annuity for the whole period，the vnlue of an annuity to the term at which the reversionary annuity is to commence．－Thus，

What is the present value of an annuity of \(50 l\) ． to continue for 25 years，commencing at 7 rears from the present time，interest at 4 per cent．？

According to Table No．IV，the value of an annuity of 11 ．for 25 years at 4 per cent．is \(15 \cdot 62207,995\) ，and that of 11 ．for 7 years is \(6 \cdot 00205,467\) ，which being deducted from the other， leaves \(9 \cdot 62002,528\) ，which multiplied by 50 gives 481／．，the answer required．

Supposing the annuity，instead of being for 25 years，had been a perpetuity，it would have been worth \(1,250 l\) ．，from which deducting 3001 ． 2 s ．，the value of an annuity for 7 years at 4 per cent．，there remains \(949 l .18\) s．，the value of the reversion．

For a selection of problems that may be solved by tables of annuitics certain，see Smart＇s Tables， pp．92－100．
2．Life Annuities．－After what has been stated in the article on insurance（General Prin－ clples of），respecting tables of mortality，it will be easy to see how the value of a life annuity is calculnted．Supposing－to revert to the example given before［Insunance，Pinciples of］－that it were roquired to find the present value of \(1 l\) ．，the receipt of which is dependent on the contingency of a person，now 56 years of age，being alive 10 years hence，taking the Carlisle Table of Mortality，and interest at 4 per cent．：Now，according to that table，of 10,000 persons born together， 4,000 attain to 56 ，and 2,894 to 66 yenrs of age．The probability that a person，now 56 years，will be alive 10 years hence，is，consequently，\(\frac{2,894}{4,000}\) ；and
the present value of \(1 l\). ，to be received certain 10 years hence，being \(0.675564 l\) ．，it follows that if its receipt be made to depend on a life 50 years of age attaining to 66 ，its value will be reduced by that contingency to \(\frac{2,894 \times 0 \cdot 675564 l}{4,000}=0 \cdot 48877 l\) ．， or \(9 s .9 \frac{d}{d}\) ．If，then，we had to find the present value of an annuity of 12 ．secured on the life of a person now 56，we should calculate in this way the present value of each of thic 48 payments， which，according to the Carlisle table，he might receive，and their sum would，of course，be the present value of the annuity．

This statement is enough to show the prineiple on which all ealeulations of anmethod necurting to this also was, in fact, the mill Mr. Simpson and Which they were en a shorter and ensier process, deriving from the valne of an ammity at any age, that of an anmity at the next younger are. There is a considerable diserepancy in the wums at which different authors, and dillercnt insurnace oflices, estimate the present value of hite ammities payable to perzons of the same we mode of calnot arise from any difference an differences in the culating the annuities, butoved. 'These ean only tables of mortaity emped from nultiplied be neeurate when they are deduced during a long and carcura on a largo borly of persons; or when the arernge numbers of the whole population, and of the deaths at every afe, for a lengthened period have been determiued with the necessary eare. It is to be regretted that govermments, who alone have the means of aseeraining the rate of mortality hy observations made on a sufficiently large seale, have been singularly inattentive to their duty in this respect; and until a very few years since, when Mr. Finlaison was employed to calculate tables of the value of annuities from the ages of the nominces in public tuntines, and of individuals on whose lives Government had granted annuities, all that had heen done in this conntry to lay a solid foundation on which to construct the vast fabric of life insurance had been the work of a few private persons, who had, of conrse, but a limited number of observations to work upon.

The celebrated matheriatician Dr. Halley was the first who calculated a table of mortality, which be deduced from observutions made at Breslan, in Silesia. In 1724, M. de Moivre palb lished the first edition of his tract on Annuities on Lives. In order to fneilitate the calculation af their values, M. de Moivre assumed the annual deerements of life to be equal; that is, we supposed that out of 86 (the utmost limit of tive on his hypothesis) persons born together, one would die every year till the whole were extinet This assumption ngreed pretty well with the true values between 30 and 70 years of age, as given in Dr. llalley's table, but was very remote from the truth in the carlier and later periods. Mr. Thomas Simpson, in his work On Annuities and Reversions, originally published in 1742, gave a table of mortality dedneed from the london bills and tables founded upon it of the vnlues of annuities. But at the periol when this table was calculated, the mortality in Tondou was so much bigher than in the rest of the country, that the values of the annuities given in it were far too small for gencral use. In 1746, M. Deparcieux published, in his Essai sur les Probabilités de la Duree de la Vie Humaine-a work distinguished by its perspicuity and neatness-tables of mortality deduced from observations made on the mortuary registers of several religions houses, and on lists of the nominees in several tontines. In this work separate tables were first constructed for males and females, and the greater longevity of the latter rendered apparent. M. Deparcieux's tables were a very great acquisition to the science, and are decidedly superior to sone that are still extensively used. Dr. P'rice's famous work on Annuities, the first edition of which was published in 17;0, contributed powerfully to direet the public attention to enquiries of this sort, and was in this respect of very great utility. Of the more recent works, the best are those of Mr. Baily and Mr. Milne, which, indeed, are both excellent.
'lhe latter, besides all that was previously knowa o the history, theory, or practice of the seience, mins much new and valunble matter, and to ber to refer ch of our renders as widh to er fulty into the bigect.
The table on whi I Dr. l'rice laid the greates ess whs calculat. from the buriat surgion in the parish of All Saints, Northamptas trixing little more than half the pepulation town. There can be no doult, buweve?, from origmal defects in the construction trble as from the improvenent slat 1 ce taken place in the healthiness of the publies at the mortality representell in the Sor liampty解, and has long becn, ducidenty abme 15 crare rate of mortality in England. Ito. IV an, indleed, the late learned aetuar of guitnble Societs, contenced that time is nety se, and that the Society's experienuestioms Corthampton table is still remumaur at wate. But the facts Mr. Morgan disolumetia iew of the Rise and Progress of the wnate
 riance with this opinion; for he turn that the deaths of personw insured in tim iif ble Society, from 50 to 60 yeury of age dunum 2 years previously to 1828 , were bey; wher ccording to the Northampton table, they sla ave been 545! And Mr. Miline has endeara o show (urt. 'Annuities,' new ed. of Ency, D that the:diserepancy is really mach greater,
The maty other taile used tw any exted England fir the calculation of life anouive bat framed by Mc. Milne from observations \({ }^{\text {a }}\) by Dr. Heywham on the rate of mortaity at bisle. 1t. pives a decidedly lower mate of mate than the Northampton table, and there aref rounds for thmieing that the mortality wit epresents is not very different fiom the ate theroughout most parts of England; the cannot be supposed that a table founded narrow a basis should give a petfectly fairty the average mortality of the entire kingde

In life assurance, the first annual prenily always paid at the commencement of theasy and the others at the termination of each : long as the party assured survives. Lenee beginning of the assurance, the whole of th nual premiums payable for it esceed the of an equal annuity on the lilit by ons purchase; and, therefore, when she ralue zusurance in present money is f (imen, ity eqraivnlent annual premiom durag the whole present value must be dincided number of years' purchase an annuus or is worth, increased by 1 . Thus for an 4 of 100 l on a life 4 years of age, an lating by the Carlisle Table of Mortairy 4 per cent. interest, requires 53.446 , in money. Now, according to that table interest, an nnnuity on a life just 40 ? is worth 15.074 years' purchase, so that valent annual premium is \(\frac{53^{\circ} \cdot 4661}{15^{\circ} \cdot 074+1}=3\) 3l. 6s. 8d. The annual premium mas, be derived directly from the vanu of an on the life, withnit tirst calculating they sent value of the assurance. (Mr. Wilines on Annuities, or the art. 'Anuuities'is edition of the Eney. Briamnica.)
In order to exthibit the fondations tables of life annuities and insurnace founded in this and othec countries) given, in No. VIl. of the following table of mortality that has been observed to among 1,000 children bom togethet, of nuording to the cruter part of \(t\) br Dr. Ilatton in "Liés.tnuities.' einss in lis work froch, with the Inport of the Con \({ }_{\text {a }}\) Pritendy Soci curlise, represer 4ua doserred any pracd aearest to minase of 15 manties in I ionder to cale them persoa of to ary higher as suxte of persons cution by the fren wet and the Ho hase prefixe

\section*{the grea} rial puyber Nothatoptos , howere: conscruction a of tive put Le Nortiman Weilly aby atsime 26 riemuesther
 of the they or he the seed in th of ogend 1 table, hey si we has ende meh greater. of life anour on observations wer mete oi mo le, and there che mortality crent Eneland; th a table founder a perfeety fair re entire hims annual premil cement of the ase ination of each y survives. Ileoce ce, the whole of for it esseed the

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ney

\section*{se all a} os of age, an olit able of Mortair fures to that table and a life just 40 reas archase, 50 is \(\frac{63 \cdot 4461}{10.04 \pm+1}=\) premium may, 19 the vaiue of se 4, calculating the acc. 'Anuuities' is -itamica.) the foundations and insurame other coubtrit he following tad
born toretber, or
of each yent, till
hume extinct, in England, France, Sweden \&.c., table, Mr. Finlaison's table (No. V.) of the rate mordng to the most celebratel anthorities. The of mortality among 1,000 children born together, part of this table was originally publisheal accurding to the decrement of life observed to ruile part ou in his Mathematieal Dictionary, art. take place among the nominces in Government Wije dnauities.' Mr. laity inserted it with ndhi- tontines and life annulties in this conntry, dis'ures maxis work on Annuities; and it was pub- tinguishing males from females. The rate of wissin with the column for Curllsle added, in the Whant of the Committce of the IVouse of Commons uppindly Societies. The rate of mortality at Nide, represented in this table, is less than 4utoberred nnywhero else: the rates which apnach cearest to it are those deiluced from the Lerations already referred to, of M. Deparcieux, wit thes of M. Kersseboom on the nominees of samities in Ilolland.
In order to calculate from this table the chance thim a person of any given age has of attaining mer bicher age, we have only to divide the zeve of persons alive at suel higher age, given Thatrolumn of the table selected to decide the pation be the number of persons alive at the wiat and the fraction resulting is the chanee. Trimere prefixed, by way of supplement to this
ess than that riven in the Carlisle table; but the lives in the latter are the average of the popnlation, while those in the former are all picked. The nominees in tontiaes are uniformly chosen among the healthiest individuals, and none but thoso who consider their hives as good ever buy an annuity. Still, however, the table is very curious, and it sets the superiority of female life in a very striking point of vlew,
Tables VI. and VIII. give the expectation of life, according to the mortality observed at Northampton and Carlisle, the former by Dr. Price, and the latter ly Mr. Milne; and Table IX. is the Enclish Life Table, computed by Dr. Farr.
The next table, No. X., extracted from the Secund Report of the Committee of the IIouse of
1.-Fide showing the Amount of 11 . improved at Compound Interest, at 2 \(2,3,3 \frac{1}{2}, 4,4 \frac{1}{2}, 5\), and 6 per Cent., at the end of every Year, from 1 to 70.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline [ms & 12 per Cent. & 3 per Cent. & 31 per Cent. & 4 per Cont. & 14 per Cent. & 5 per Cent. & 6 per Cent. \\
\hline & 1.02,00,000 & \(1 \cdot 03000.000\) & 1003500000 & 1.01000,000 & \(104 \%\) ¢0,000 & \(1 \cdot 6000,010\) & 106010,000 \\
\hline &  & 1.1609010010 & \(1 \times 10712425090\) & \(1 \cdot 108160,0000\) & \(1 \cdot 69 z 14,4000\) & 1.10250,006 & \(1 \cdot 12.360,0097\) \\
\hline 5 & 10, 6649.084 &  &  & \({ }^{1} 112189 \times 6,460\) & 1-1.19ysi, 16.618 & 1.15764, & \({ }^{1}\) \\
\hline 1 & 1.11081,289 & 1-16927,007 & \(1 \cdot 1 \times 768,6831\) & \(1 \cdot 2\) ¢fif 5,490 &  & - 127528,156 & 1.3384858 \\
\hline & 1.1.3469,342 & \(1 \cdot 196 \%, 830\) & 1-2494. \({ }^{2}\) & 1*26.531,902 & 1-304ymull & 1.36109,561 & 1.41851,911 \\
\hline & \(1 \cdot 188680^{3} 5\) & 1-299x, \({ }^{\text {a }} 7\) & \(1 \times 7827,924\) & \(1 \cdot 31593,178\) & \(1 \cdot 3608 t i n g 3\) & 1.41710,012 & 1.50136.3, 1246 \\
\hline 1 & \(1 \times 81460,496\) &  & \({ }^{1}+364640,404\) & \(1.36 \times 56,9165\) & \(1 \cdot 12401061\) & 1-17745,54 &  \\
\hline & 1241886,497 & 1-3177,318 & \({ }_{1}^{1 \cdot 36249,735}\) & 1-430) & 1.486199
\(1.55296,912\) & \(1.61 .32,822\) & 168947,896
\(2.69084,770\) \\
\hline 16 & \(12 \mathrm{StaH} 8,454\) & \(1 \cdot 34341,6.38\) & \(1 \cdot 41059,876\) & 1-和)24,128 & 1-55296,512 & 1.64*89,163 & 2\%9084,770 \\
\hline & 1512016,666 & 138123,587 & 1-4,5996,972 & 1-5.9915,406 & 1.62285,303 & 1-71073,936 & 1-69899,9.96 \\
\hline II & 1.51484 .8888 & \(1 \cdot 42576,8189\) &  &  &  & \({ }_{1}^{1.895955963 .3}\) & -01719,617 \\
\hline 15 & \({ }_{1}^{137831,106}\) & \(1.46853,371\)
\(1+51458,972\) & \(1 \cdot 61 \times 69,458\) & \(1.73167,145\) & \(1 \cdot 8.5191,492\) &  & \({ }_{2} 2681940,396\) \\
\hline 14 & 1.41899817 & 1-55996,742 & 1.67534,483 & [-81996, 311 & 1 & \(2 \cdot 0789\) ¢ 818 & \({ }_{2} \mathbf{2} 396550,819\) \\
\hline is & 144450,562 & 2.69170,614 & 27.73 .345604 &  & 2022,37,015 & \% \(-1 \times 2487,159\) & 2.541335,168 \\
\hline 11 & 1-54161, M47 & \(1652 \times 1,763\) & 179467,555 & 1.91747, \(0^{40}\) & \(2 \cdot 11337.681\) & \%-49211,832 & \%.69277,479 \\
\hline 8 & 135965, 7178 &  &  & \%.loch & 2-307 \(\times 6,035\) & \% \({ }_{2}\) &  \\
\hline 2 & 163661,64 & \(1 \cdot 86611,145\) & 109世578, 586 & 4.4y112,314 & 2. 41171,402 & 2.65324,771 & 3.40713,547 \\
\hline 8 & \(1 \cdot 68958,185\) & 1-86029,4,57 & \(2.05915,147\) & 2.27976,80 & 2.5202 6,116 & 2.78.996,259 & 3-39936,360 \\
\hline & 174159,140 & 1-41610,311 & 2.13151,158 & 4-36991,23 &  & 4.92526, 72 & 3.64353,749 \\
\hline 1 & 176161,068 & 1-573.3x,6.3 & 2-24nil1,148 & \(2 \cdot 66171,96\) & 2.75416, 3.3 & 3.071:94,376 & 5*1971,966 \\
\hline & 1-90478, 593 & Y-0.4\%9,411 & 2-24.33z,849 & \%.56,3,30,17 & \% \(\times 7601,383\) & 3-42509,1194 & \(4.04 \times 953,164\) \\
\hline & 1-4,391,410 & 4049377,793 & 2.36,341,498 & 8. 683880,53 & 3-040,3,314 & 34566.35,494 & \(4 \cdot 29197.478\) \\
\hline \% & 1.90129,27\% & 4-1.56, 9,18 & \(2 \cdot 44395,856\) & 4.77446,979 & 5.140tio,901 & 3.535367,4ti9 & 4.514.35,296 \\
\hline & 1.917\%0,00\% & 242214x,901 & 2-3.3146,71 & \(2 \times 88.36,8.88\) & द2.2xeno. 955 & 373345, & 4.82431 .591 \\
\hline \% & 1-99649,50t & 2-2k799, 665 &  & 2-99471),332 & - 42463,939 & 3 92012,914 & 5.111188070 \\
\hline \% & 101640,739 & \(\pm \times 30656,551\) & 2-7147,798 & -11165.145 & 5-58413,619 & \(4 \cdot 11613,560\) & 5.418.3x,790 \\
\hline \$ & \$49756,75 & 4•185 26.247 & 2.80679,370 & 5'243.99,75 & W-4331,813 & 4-35194,2.38 & 3.74349,117 \\
\hline & 21.300, 677 & 2.50000,035 & \(2 \cdot 30503,148\) & 237513,311 & 3.91385, 745 & 1.57803,969 & 6 ¢08810, 64 \\
\hline & y 20373,691 & 4. 375118,276 & 5410670,739 &  & \(4 \cdot 18798.104\) & 4 -76991,117 & 6. \(6.53 .58,668\) \\
\hline & 4-73*85,086 & y.fi5y 3 3,524 & 3.11194,235 & 3.54x39,1 10 & 4-27405,118 & \(5 \cdot 101318,85\) & \(6 \cdot 84158,1688\) \\
\hline 4 & 2:31538,413 & 2.73190,530 & 3-22010 6,133 & \% 7 794,31,634 & 4.16636,154 & 5.2.53.34,797 & 7-25102,528 \\
\hline & 95350, 519 & 8. \(\times 1.346,443\) & 3.33,359,045 & 3.44668,889 & \(4 \cdot 6.6734,781\) & 3:51601,5:37 &  \\
\hline 3 & 443253, 53 & 4. 998427,833 & 3.4.5426,6611 & 4.111393,25.5 & 4,87737,816 & 6.79181,611 & - 11745,400 \\
\hline & 44935,970 & \(3.9 \times 5 \pi 46668\) & \(3 \cdot 37102543\) & 4.268088, 1946 & \(5 \cdot 64646,049\) & \(6.08140,691\) & \(8 \cdot\)-5.36iif) 912 \\
\hline & 1.53569,942 & 3676478,348 & 3691601,132 & \(4 \cdot 4.3 \times \times 1,3,7.5\) & 5.326.21,921 & 6.34547,729 & 9115125,2.35 \\
\hline & \%.61907,449 & 3.15702,698 & 3. \(\times 25.37,171\) & 4.61836,599 & 5-56589,909 & \(6.70173,115\) & \(9 \cdot 7133515149\) \\
\hline 0 & \%68306,384 & 3.26203,779 & 3.95923,979 & 4.80102,063 & 5.816,36,45 & 7.03498,871 & 10.28371,794 \\
\hline & 275419,013 & 3.35989,893 & 4.0976.3,781 & 4.9930f,14.5 & \(6.07816,094\) & \(7 \cdot 39198,815\) & 10.90286,101 \\
\hline & 4.64:199,54\% & 3.4616,9,489 & \(4 \cdot 21145,799\) & 5.19488, 391 & \(6.35161,518\) & 7-761: 58.755 & 11-55;113,267 \\
\hline & 4789154,008 & 3456151,677 & 4.38970,20: & 5.191919,557 & \(6.6 .3713,818\) & \(8 \cdot 149666,4.93\) & 12.451145,463 \\
\hline 4 & 2.9-392, 509 & \(3 \cdot 67145,247\) & 4.513.34,160 & 3.61651 , 408 & f6.93612,297 & \(8 \cdot 157150028\) & 129.9x54x,191 \\
\hline & 30.3590; 38 & 3.78139,584 & 4.74435,8,55 & 5-8111; 568 & \(7 \cdot 44 \times 24,8.13\) & \(8 \cdot 9 \times 500,779\) & 1.5.76461,0×3 \\
\hline & 3.1138 01046 & 3-89501,372 & 4.86694,10 & 6.07482,271 & 7.57441,961 & 9.43125,818 & 14*3904 \({ }^{\text {\% }} 748\) \\
\hline & 3.19169,713 & 4-01189,503 & 3.03728,4114 & 6.31781,562 & 7-91526,819 & 9-91597,119 & 1.5-46'91,678 \\
\hline & 3-27118,956 & 1.13225, 188 & \(5 \cdot 41338,898\) & 6.57052,824 & \(8 \cdot 471.45 \times 57\) & \(111 \cdot 40126,965\) & 16.30.347,173 \\
\hline & \% 33378,7640 & \(4 \cdot 23621,944\) & 5.39:06,439 & 6-6.333,937 & 8.61367,107 & 10.92133,313 & 17.37250,403 \\
\hline & 544710,372 & 4-38390,602 & 3.51192,686 & 7-10668,335 & 9.03263,627 & 10.46739,978 & 18.4\%013,427 \\
\hline & 3:52903,641 & 4.51542,320 & 3.78039,930 & & \(9 \cdot 13910,49 n\) & 12.04076,977 & 19.52.536,353 \\
\hline & 361111,23 & 4. 63048,390 & 3.98271,327 & 7-686:88.8\%1 & 9-86.386,163 & \(22.64280,826\) & \(20.696 \times \%\) \% 5 51 \\
\hline & 370159015 & 4-79041,447 & 6.19210,824 & 7-93103,226 & 11.31773,858 & 13'27494,968 & \(21 \cdot 93869,846\) \\
\hline & 3*99392,091 & 4-934!2,485 & 6.40x9,3,202 & 8:31381,135 & 10.77158,577 & 13.93869 .611 & 2.3.23.514,437 \\
\hline & 349877,303 & 5.08214,8.59 & \(6 \cdot 63714,111\) & \(8 \cdot\) ¢46.36,692 & \(11-25630,817\) & \(11 \cdot 6.35436,092\) & \(21 \cdot 65032,159\) \\
\hline & 395399,276 & 5-23461, 505 & 6.865 90,108 & \(8.94242,160\) & 11.76848 ,201 & 13:36741,446 &  \\
\hline & 40Sfa, 127 & 3.39165,141 &  & 9•35191,016 & 12-29216,903 & 16:13578,3118 & \(27.69710,131\) \\
\hline & f10978, 3 32 & 5 5 S5310,098 & 7-354:4 4.215 & \(9 \cdot 725418,688\) & \(12.81531,758\) & 16.914.57,42 & 29-35\%92,742 \\
\hline & 142947, & 5.78000, 301 & 7.61168,203 & 11)-11.318,036 & 13.42333,697 & 17.78970,083 & 81-12446,307 \\
\hline & 439978,973 & 3.89160,310 & \(7 \cdot 87809,000\) & 10.51962,711 & 14.02710,793 & 18.67918,389 & 34. 48169,085 \\
\hline & -50978,919 & \(6.068,35,120\) & \(8 \cdot 15348.109\) & 10.0401t,25t & \(11.65961,129\) & & \(31.96695,2 \times 3\) \\
\hline & \$.69454,990 & 6.25940,173 & \(8 \cdot 3.3924,143\) & 1-37648,901 & 15-31848, 011 & \[
\begin{aligned}
& 91.59380,216 \\
& 91.69-40
\end{aligned}
\] & 37-1/f196,911 \\
\hline & (-35409,43 & 643791,39 & 8.73154 .026 & 11.83113,017 & 16.00760,275 & \(21.62 .349,257\) & \(39.48886,761\) \\
\hline & \({ }^{1.8} 81851,164\) & 6.63105,120 & 9910199.05 & 12.31517,617 & 16.7971,187 & 92\%.704688,740 & 41.61619,967 \\
\hline &  & \(6.29 .998,473\) & 9.35670,1168 & 12. 2987.3549 & 1718010,239 & \%3-83990, 1556 & 41.11197 .185 \\
\hline & 5.10.40,741 & 7.03188 .2882 & 9.6.6418,320 & 13. \({ }^{1168,18.3}\) & -9.3173, 109 & 5-11.3184, 3.59 & 46.79366,99 \\
\hline & 3.32996, 389 & \(7 \cdot 21594.858\) & 10. 213313,168 & 13.8131011 & [9-115436, 03 & 26. \(28.319,036\) & 49.5in129, \({ }^{1}\) \\
\hline & 3-36071,598 & 7. 6 fin 30,651 & 11437396,129 & 14.3964.819 & [00918.34,511 & 47.59766.488 & 54.57736,7/5 \\
\hline & 5-83723119 & 768740,674 & 10.78) 10 2,94 & 1497170,995 & 40.81608,276 & \$8.97354,813 & 55.73240,460 \\
\hline & 5:83210,486 & 7.91784,191 & \(11.1128 \chi^{2} 545\) & 15.376191835 & \(21.74+13,538\) & \(30 \cdot 12641.553\) & 89.01598,018 \\
\hline
\end{tabular}

Commons on Friendly Societies，gives a compara－ tive view of the results of some of the most cele－ lirated tables of mortality，in relation to tho rate of mortality，the expectation of life，the value of an annuity de．The euincilence between the re－ silts dedieed from M．Deparcieux＇s table and that for Curlisle is very striking；and to render the information on these subjects laill before the reader as complete as the natire of this work will admit，we have given tables（Nos．XI．－XVII．）of the vilue of an annuity of 1 ．on a single life，at every age，and at \(3,4,5,6,7\) ，and 8 per cent．，accord－ ing to the Northumpton and Carlislo tables；we have also given tables of the value of an annuity of 11．on 2 equal lives，and 2 lives differing by 5 years， at \(3,4,5\) ，and 6 per cent．，according to the samo tables，It is but seldom，therefore，that our readers will require to resort to any other work for the means of solving the questions that usually ocenr in practice with regard to annuities：and there are not many works in which they will tind so good a collection of tables．We suljoin one or
two examples of the mode of using the tables of life annuitics．
suppose it were requiretl，what ought a person， aged 45，to give，to secure an annuity of find a－ yenr for life，interest at 4 per cent．，nccordin：to charinlo tablo？
In Table No．XII，under 4 per cent，and opposite 45 ，is \(14 \cdot 10.4\) ，the valuo of an annulty of 11. ，w，ich being multiplied by 50 ，gives \(\mathbf{7 0 5} 2\) ，or \(700,0,4\) the value required．Aecorling to the Nurtlangyth table，the annuity would only have been winn 4l．3s．
The value of an annuity on 2 lives of the same age，or on 2 lives differing by 3 years，may be
found in precisely the same wiy解
Somo questions in reversionary life annaities admit of ann equally casy solution．Thas，sappowe it is required to thad the present value of dis nhterest in an estate worth 100．，a－year，falling \(t\) him at the death of 13 ，agel 40 ．interest 4 per cent．accoriling to the Carlisle table？
The value of the perpeluity of \(100 \%\) a－par

70，reckoning Compound Intercst at \(2 \frac{1}{2}, 3,3 \frac{1}{2}, 4,4 \frac{1}{2}, 6\) ，and 6 per Cent．
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Years & 24 per Cent． & 3 per Cent． & 31．per Cenl． & 4 jer Cent． & 4）per Cent． & 5 per Cent． & 6 prcom ． \\
\hline 1 & 0．97566，976 & 0．97087，379 & －．96618， 3.57 & & & & \\
\hline \(\frac{2}{3}\) & \(.95141,410\)
\(.92850,911\) & －91459，591 & \(.433,51,1274\)
\(.00198,270\) & \[
\begin{array}{r}
94153,621 \\
-88499,6.36
\end{array}
\] & \begin{tabular}{l}
\(-41572,995\) \\
－ 7829 ，fif1
\end{tabular} &  & \(0 \cdot 1153163\) \\
\hline 4 & －90， 945,065 & －68448，705 & － 37114.285 & －85180， 119 &  &  & ＇hy／fi，\({ }^{\text {a }}\) ， \\
\hline 5 & －88．38．5．414 & －86，2tin，\({ }^{\text {a }}\) 8 & －84197，317 & －72194，711 & －8021：， 10.5 & －78354616 & 794．90，\({ }^{\text {a }}\) \\
\hline 7 & － 868249.687 & －83748，4y6 &  &  & －76in9， 571 & －7614，419 & ？ 77745 \\
\hline 7 & －84126，523 & －81309，131 & －78．99，0936 & －75991，81 & －73488， 816 & －7110，\({ }^{\text {c }} 133\) &  \\
\hline 8 &  & －76641， 673 & －7337， & －73069，\({ }^{-7250} 6\) & －70315，513 & －676x3，436 & \({ }^{6} 6741,2 \%\) \\
\hline 10 & －78119，810 & \(\cdots{ }^{-1} 1109,391\) & －0891， \(\mathrm{P} \times 1\) & －67566，417 & －6139\％， 6 \％ & －61391，3L5 &  \\
\hline 11 & －76214，178 & －72242，126 & －68194，571 & －613：8，093 & －61619，874 & －58467，923 & \\
\hline 12 & －74355，3149 & － 11137,488 & －66178， 3 ，30 & －6．2134，713 & －38966，37\％ & 53，64，3i42 & －1926，8，4．83 \\
\hline 13 & －72547，034 & －68035，131 & －6，39110，415 & －6，1037， 119 & － 56147,161 & ＊，3038，135 & \\
\hline 14 & －70772，740 & － 61.111 .781 & －61778，179 & \(\bigcirc 37174108\) & －33397，\({ }^{\text {anc } 6}\) & －60106， 39 & －Irionver \\
\hline 15 & －69036，556 & －61186，193 & － 5966990108 & － 533940 & － 41672,046 & －4810，711 & ＇1176\％\({ }^{\text {a }}\) \\
\hline 17 & －67362， 6 & －G0501， 615 & － 5 57\％ 20.389 & －3133： 32.3 & －4\％317，6，39 & －4，43611，132 & －59731．584 \\
\hline 18 & －61116，591 & －58739，461 & －53836，114 & － 493626812 & －13480，0，37 & － 315558.1165 &  \\
\hline 19 & －64532，782 & －570x， 613 & －52015，559 & －17461，212 & －43，30， 179 & －39573，396 & 3＊ali \\
\hline 20 & －61027，096 & － 3 3，367，356 & －50256，585 & －15638，695 & － 11464,286 & －37688，948 & S11sobit \\
\hline 21 & －39538，629 & －53753，929 & －48557，090 & －4，5483，360 & －39678，743 & －35896，2．75 & ＇29315，48 \\
\hline 27 & －381086，467 & － 52189.85 & －16015，163 & & ． 369700.089 & － \(311 \mathrm{k4,987}\) & 5－5is， \\
\hline 23 & －36669，744 & －511669，185 & －4，33290003 & －40574．1，33 & －36335， 111 & －34557，131 & 265ificis \\
\hline 21 & －53248，9，35 & －49193，371 & －43795，713 & －39014，147 & －347711，317 & －31416，791 & － \(16 \%\) \％，＜s \\
\hline 25 & － 3 3939，039 & －47740，536 & － 4231.4689 & －37511，68： & －33273，000 & －29930，477 & 21999， 63 \\
\hline 26 & －59643，17\％ & －16369，173 & －1088，3， 667 & －361668， 92.3 & －31810，288 & －28121，073 & －2941／0 \\
\hline 27 & －513．39，973 &  & －3930］\({ }^{2}\) ，241 & －3168， 6.65 & \({ }^{-308199857}\) &  &  \\
\hline 23 & －50087， 78 & －43708， 673 & －38165．431 & －33．317，747 & －29157，1169 & － 453509,364 & j9：0itit \\
\hline \％．3 & －198667， 12.5 & －18431，63\％ & －36．41．81； & －32065， 111 & －27901．542 & － 111291,632 & H14， 6 \\
\hline & －17671，269 & －41198，676 & －33647，8．14 & －30831，567 & －26704，001 & －2313isid & tinivil \\
\hline 31 & －46511，48） & －39908，714 & －34123，035 & －29646，026 & －2．5s \(50,2.11\) & －22035，977 & 1613：415 \\
\hline 32 & 4 \(4.5777,155\) & －38433，707 & －33268，971 & －28：00，791 & 2．1489，491 & ＂20）6， 617 & 1393浐 \\
\hline 33 & －44270，298 & －37702，64\％ & 32131，271 & －27405，117 & －43197，1\％1 & －19987， 25 & 1401） \\
\hline 31 & －43190， 534 & －36601，190 & －31017，605 & ＊ 26.3555 & －24349，\({ }^{(8)}\) & －190．3，48， & －15；4！，\({ }^{\text {a }}\) \\
\hline 311 & －42157，117 & －3．5．334，311 & －299．17，686 & 2：341，517 & － 21122,414 & －114149，020 & T30．tip \\
\hline 36 & － 110109372 & －3．1．103．21．3 & ＇28 983,5774 & ＂4，3i6， 87 & －203tie，\({ }^{\text {c }} 17\) & －17463， 11 & －1mitiat \\
\hline 37 & －40206，705 & 3．3498，291 & \(\cdots 28(4) 3,161\) & 22，3423，683 & －19619，981 & －10443，563 & ［13itic \\
\hline 38 & －35128，192 & －32020，615 & －27056，194 & － 24.5288 .543 & －18773，019 & －15，660， 3.36 &  \\
\hline 40 & －37443，662 & －3065，\({ }^{2}\) & －254i5，26 & \(\cdots 20824,901\) & －1792，8：0 & － 14417,978 & － \\
\hline 41 & －36331，695 & －29762，800 & －24403，137 & －2002\％．792 & －16152，507 & 13329，160 & 29：1，\％） \\
\hline 42 & －35448，183 & －48595，9242 & 23377，910 & －1925，493 & ＇15714，1226 & －12883，962 & 4， 5 \％ \\
\hline 43 & －34583，886 & －28031，293 & ＂24780，\({ }^{2} 90\) & －18516，820 & －1．5066，05 & －18480，44） & （4）162）\({ }^{\text {a }}\) \\
\hline 44 & －3，3740，376 & －27837，178 & 220110，231 & 17814.4 .35 & －1417，2\％6 & －11686，133 & verul \\
\hline 45 & －32317，140 & －264．3，\({ }^{\text {，46\％}}\) & －21465，92！ & －17119，811 & －13796，437 & －11420，631 &  \\
\hline 46 & －32114，576 & －2．567．3，6．52 & －213546，787 & －16161，386 & －13412，3\％2 & －10399．663 & －6630，\({ }^{\text {a }}\) \\
\hline 47 & －313．31，291 & －21923，877 & －19851，96．8 & －15848，256 & －12633，816 & －10094，yci & Whatasis \\
\hline 48 & －315667，116 & － \(4.1199 . n 80\) & －19t80，64．3 & －15219，4\％ & －\({ }^{\text {a }}\)（1sy， 71 & 299614，211 & （6）9yy \({ }^{\text {a }}\) \\
\hline 49 & －49821，576 & －4319，\({ }^{2} 129\) &  & －146331，118 & －11569，158 & － 9 9is6， 5191 & W5itw \\
\hline 5 & －29094，221 & －22810，712 & －17903，33\％ & 14071，262 & －11070，963 & 113720，373 & 6 \(612 \times \mathrm{N}\) \\
\hline 51 & －28384，806 & －22146，313 & －17999，843 & －13330，059 & －10594，225 & －08303，117 &  \\
\hline 32 & 427692，998 & －21501， 280 & －16714，826 & －18019，674 & －10138，014 & －07909，635 & Hundid \\
\hline 53 & －27016，976 &  & －16119， 5 ， 9 & －12093，300 & －09701，419 & － 3 332，906 & viluy， \\
\hline 34 & －26357，92\％ & －20867，019 & －13603，467 & \(\cdots 2024,173\) & \(09243,68.5\) & 4）717，478 & \％03， 4 \\
\hline 55 & －25715， 0152 & －19676，717 & － 15175,814 & －11565，551 & \({ }_{-0 \times 483,907}\) & －068，34，610 & \\
\hline 56
57 & －45087， 2.85 & － 19103,109 & \begin{tabular}{l}
-115666004 \\
\(-14173,435\) \\
\hline
\end{tabular} & －11120，742 &  & －06307，476 & atarin \\
\hline 53 & －2，3878，984 & －18006，94． & －13597，560 & －10481，733 & 07744，938 & －03902，491 & 03461.16 \\
\hline 39 & －4．3296，56内 & －17482，508 & －13137，701 & －09886，282 & 417119,701 & －SSizl，zio & vixisi \\
\hline 6 & －22748，359 & －16973， 309 & －12693，431 & －09506，010 & －07148，501 & －03533， 518 & 2300， \\
\hline 61 & －22171，009 & －16478，941 & －12261，184 & －09140，423 & －06821，915 & －05098， 62\(]\) & 0ista 48 \\
\hline 62 & －21633，179 & －15998，972 & － \(11849,4.53\) & －08748，806 & －0risisi， 18 &  & \\
\hline 63 & －2110．3，311 & －15532，98z & －11448，747 & － 481510,835 & －16647，132 & 91664，600 & Westis \(0^{0}\) \\
\hline 64 & －20540，771 & －1503412，56．5 & －11061，591 & －0812．， 803 & －0．998，\({ }^{\text {cid }}\) & －0404， 881 & Nitutimis \\
\hline 6.5 & － \(200888,5.57\) & －14641，325 & －10687，528 & －17）81．3．072 &  & －08194，618 & － \\
\hline 66
67 & －19598，543
\(-19120,578\) & \(\begin{array}{r}-1414,879 \\ -13800,853 \\ \hline\end{array}\) & － 1039611.4 & －07512，76 & －\({ }^{(1) 474,253}\) &  & 5nolibit \\
\hline 68 & －18654，223 & －13348，887 & －09139，534 & －06i945，9\％0 & －15014，937 & －03623，95 & 019｜n， \\
\hline 69 & －18199，242 & －131418，6\％ & －09313，563 & －06678，818 & －01797，069 & 004500978 & Misty \\
\hline 711 & －17\％ 56,384 & 146494076 &  & －16121，941） & －01591，497 & ［03226，617 & H163L2： \\
\hline
\end{tabular}
itterest 4 per cent．，is 2,5001 ；and the value of an an annuity of 11 ，on 2 joint lives of 25 and 30 ， anmily of tool．on a persin aged 40，interest at \(4 \quad 14 \cdot 339\) ，the difference， \(2 \cdot 513 \times 50=125 \cdot 650\) ，or minct is \(1,5071.8 \mathrm{~s}\) ，which deducted from 2,5001 ．125\％．13 s ，the sum required． ures 921.12 ， 2 s，the present value required．
and
 aity of sill，for his wife，aged 20，provitied she recourse may bo hadd to the dircetions in Mr． murise him：what ought he to pay for it，interest Milne＇s Treatise on Annuities，and other works of it peceat．according to the Carlisle table ？that deseription．To attempt explaining them The ralue of an annuity of 11 ．on a life aged 30 here wonld peal us into details quite inconsistent lis \(\delta^{2}: 2\) ，from which subtracting tho value of with the objects of this work．

III－Tuble shoring the Amount of an Annuity of 11．per Annum，impurued at Compoum，In－ terst，at 2h，3，32，1，42，5，and 6 per Cent．，at the end of each Yeur，from 1 to 70.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline & 14．prcm & 3 per Cent． & \(3{ }^{3}\) per & 4 per Cent． & per & 3 per Cent． & \％er Cent \\
\hline \multirow[t]{41}{*}{11} & \(\checkmark\) maname & & \％ & 1 Promon & \(1+(0) 000,0 \cap 0\)
\(9 \cdot 01501,4 \mathrm{~K}\) & & \％omminin \\
\hline & & & & & & （10） & \\
\hline & \％1s & （194， & \％\({ }^{\text {a }}\) &  & 649，166 &  & 296 \\
\hline & 3，\({ }_{\text {3，is }}\) & coter &  & \({ }_{\text {cosem }}\) &  &  &  \\
\hline & 1，5900 & \％． & 边 &  &  &  & 9，9946，991 \\
\hline & & ＂11638\％，931 & 1173139，316 & 12．00610，12 & 12\％28420，337 & & \\
\hline & \％10， &  & \begin{tabular}{l}
\(13 \cdot 14199,192\) \\
14 folshi， \(1 / 2\)
\end{tabular} & \(13.46,3,141\) &  &  &  \\
\hline & （1atition & \％\({ }^{\text {an，}}\) &  &  & \({ }^{17}\) & － 1.71298 .985 &  \\
\hline & \％ & 185．5994， &  &  &  &  &  \\
\hline & ， &  &  &  & \({ }_{\text {\％}}^{4}\) & cose &  \\
\hline &  &  &  &  & \({ }^{49}\) & （ &  \\
\hline & \％10n， & 28 & 30.2 & 31 & 337．78313， 8 \％ & \({ }^{38}\) & 59，99272，658 \\
\hline & & & 31 & & & \％ & \\
\hline & （ty\％\({ }^{\text {a }}\) & \({ }_{\text {s }}^{6}\) & 3．9 & 390：6 & \({ }^{14} 4.68909,6314\) &  & 30：812，57，35 \\
\hline & & Stise &  &  &  &  &  \\
\hline & & 42．9309\％ &  & \({ }^{\text {¢ }}\) & － & ， & － \\
\hline & UMelitic & 4735311，31 & 31－62867，788 & 36 ¢6443，776 & 61．07706，966 & 66，43884，750 & 790036618，622 \\
\hline & Hav： & Se．0n67， & 85： & S． 59.388 & 61．75438，799 & 7076．7978，9888 &  \\
\hline & ， &  &  &  &  &  &  \\
\hline & \％ew & 30， & \({ }^{666654}\) & \({ }^{37} 7\) & 隹．4966， &  &  \\
\hline & &  & 73．15746，930 &  &  &  &  \\
\hline & &  & & & & \({ }^{10}\) & \\
\hline & （17xisissi & 汸－4123， &  & \({ }_{95}\) & 107 & 120 & \({ }_{654} 66196,532\) \\
\hline & \％ata & 296 &  & －99：R26 & 1128 & \({ }_{1}^{127} 8\) & \({ }^{168907698,366}\) \\
\hline & & & \({ }^{966}\) & 110．0143 & 12\％．26t &  & \\
\hline & （14\％13， &  & \({ }^{1} 101.2383,7651\) &  &  &  & \％ \\
\hline & （66：3） &  & 1113.3808072 &  & \({ }^{\text {a }}\) &  &  \\
\hline & &  & 120．3898．659 & \({ }^{3}\) &  &  & 边 \\
\hline & W，silicio & 112：79686，\(\div\) \％ 9 & 13699791，016 & 132．667us， 368 & 178．503302，686 & 209：37799；\({ }^{\text {a }}\) \％ & 240，33530， 5158 \\
\hline & & 117．1007， & 136：3 & 139．77376 & 187\％ \(18.366,135\) & 220］：8359，548 &  \\
\hline & \[
x_{1}
\] &  &  & 176 &  & 边 & （enter \\
\hline & & 13697titic &  &  & \％ 27.917979598985 &  & 3，91．700，6， 3 \\
\hline & & \％ &  & \％ & 边 & come &  \\
\hline & & 157333 & & & & 53， &  \\
\hline & & \({ }_{165} 120543\) 3， & 196631688，288 & 237－99068，524 & 269－19793， 317 & 333 38373,7 7\％ 3 & \(533 \cdot 12818,048\) \\
\hline & & 1185 & & & 30： & 970：6 & 366．1158， 174 \\
\hline & & 181 & & & & & \\
\hline & &  & \({ }^{\text {che }}\) & \％ &  & \({ }_{4}^{4} 56\) &  \\
\hline & &  & \({ }^{248}\) & 307．7671， &  &  & cien \\
\hline & & 2154835 & \({ }_{86}\) &  &  & \({ }^{3}\) & \({ }_{8}^{899668279,2,29}\) \\
\hline & 2ilim & \({ }^{\text {aten }}\) &  &  & \({ }_{4610}\) & 588\％ \(58 \times 5 \times 1,566\) & 966：43216，964 \\
\hline
\end{tabular}

Todle showing the Present Value of an Annuity of 11．per Annunt，to continue for any ien Number of Years，from 1 to 70 ，reckoning Compound Interest at \(2 \frac{2}{2}, 3,3 \frac{1}{2}, 4,4 \frac{1}{2}, 5\) ， add 6 per Cent．
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline 13 per Ceant． & 3 pet Cent． & 31 leer Cent． & 4 per Cent． & \(1 \frac{1}{2}\) per Cent． & 5 per Cent． & 6 per Cent． \\
\hline 0.97361 .976 & 0.97087 ， 379 & \(0 \cdot 96618,337\) & \(0.48153,866\) & \(0 \cdot 93693,780\) & 0．95238，093 & \(0 \cdot 94339,623\) \\
\hline 1.96474 .415 & 1．91346，969 & 1－89969，427 & 1＋88669，467 & 1－87266， 775 & 1－83911，04，\({ }^{\text {a }}\) & 1－33．399，267 \\
\hline \(\frac{5 \times 3692,366}{3}\) & q．82461， 13.5 & 8． 80163.698 & 2．77304， 103 & 2．79496， 4.35 & \＄．7234， 5.03 & 2．67301，195 \\
\hline 1615k2， 89 & 3．78970，719 & 3＇67307，921 &  & \({ }_{4} \mathbf{3} \cdot 38997,674\) &  & \(3 \cdot 4650,361\)
\(4 \cdot 21436,38\) \\
\hline \(5 \cdot 59814,356\) & 3．41719，14 & 3．5火冈 55,102 & \(5 \cdot \mathrm{~L} 213 \mathrm{x}\) ，686 & \(5 \cdot 15787,218\) & 3．07569， \(\mathbf{3} 107\) & 4．91734，\({ }^{\text {a }}\)（\％ \\
\hline  & 6．27028，293 & \(6 \cdot 11154,348\) & \(6 \cdot 10205,467\) & 5－89270，091 & \(5 \cdot 786773,340\) & \(3 \cdot 58238,144\) \\
\hline \％17013，717 & & 6．87395，535 & \(6 \cdot 73274,4 \times 8\) & \(6.59588,607\) & 6．463y 276 & 6．80979，381 \\
\hline － & \％ 78610,992 & \％ \(6.611968,6.51\) & 7．43533，161 & 7．24679，019 & 7－10388，167 & 6．81169， 9.377 \\
\hline － 3 24\％， 393 & \(6 \cdot 33020\), 故 1 & 8•31660，534 & 8－11089，588 & 7－924\％1，816 & 7．72173，493 & 7－36008，705 \\
\hline
\end{tabular}

INTELEST AND ANNUITIES


Mili-Tuble o 16100 Y Ivilharitics

Iil-Tuble of Mortality; showing the Number of Persons alice at the end of crery Iear from Ito 100 Years of Age, out of 1,000 born together, in the different Places, and uccording to the atharitits underimputioned.



\section*{IMAGE EVALUATION} TEST TARGET (MT-3)


Photographic Sciences Corporation

VIII.-Table shou'ing the Frpectation of Life at every Age, according to the Observations mads at Carlisle.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Age & Expect. & Age & Expect. & Age & Expect. & Age & Expect. & Age & Expect. & Age & Eipuet. \\
\hline 1 & \(35 \cdot 74\)
4.68 & 18
19 & 4.887
42.17 & 36
37 & 80.32
29.6i & 33
51 & 18.97
15.28 & & 9.19
8.65

8 & 87 & 3.1 \\
\hline \(\frac{1}{2}\) & 44.68
48.55 & 19
20 & 12.17
11.16 & 37
38
38 & +29.64 & 5 & \({ }_{17}^{1758}\) & 71
72 & 8. 16 & 898 & \% \(\% 9\) \\
\hline 3 & 49.82 & 21 & 4iP75 & 39 & 29.48 & 56 & 16.89 & 73 & 7.72 & 911 & 3.29 \\
\hline 1 & .100.76 & 42 & \(40 \cdot 08\)
39.31 & 40 & 27.61 & 57
58 & 16.21 & 74 & \(7 \cdot 53\) & 91 & 3.14 \\
\hline 3 & S1.2\% & \begin{tabular}{l}
2.3 \\
2.4 \\
\hline
\end{tabular} & \(39+31\)
\(38 \cdot 59\) & 41 & 26.97 & 58
59 & 1192 & 76 & \%-01 & 92 & 3.37 \\
\hline 7 & 50.80 & 25 & \(37 \cdot 46\) & 4.3 & 25.71 & 60 & 11.31 & 77 & 6.49 & 9.9 & 3.18 \\
\hline 8 & \(50 \cdot 24\) & 26 & \(37 \cdot 14\) & 41 & \(2 \cdot 09\) & 61 & 13.82 & 78 & f. 14 & 9, & 30\% \\
\hline 9 & 49:37 & 27 & & 4.5 & 21.46 & 6 & 13.31 & 79 & 580 & 96 & 316 \\
\hline 11 & 48.82
48.01 & +889 & \(35 \cdot 69\)
\(35 \cdot 00\) & 46 & 23.82
23.17 & 63 & \(12 \cdot 81\)
12.30 & 88 & \(3 \cdot 51\)
\(5 \cdot 21\) & 97 & \(3 \times 2\) \\
\hline 12 & \(47 \cdot 27\) & 51) & 31:34 & 48 & 22.51 & 65 & 11.79 & 82 & \(5 \cdot 21\)
4.43 & 988 & 3.07 \\
\hline 13 & 46.51 & 31 & 3.3.68 & 49 & 2181 & 66 & 11.27 & 8.3 & \(4 \cdot 6.3\) & 100 & 2.94 \\
\hline 14 & 45.75 & 32 & \(33 \cdot 0.1\) & . 50 & 21.11 & 67 & 10.75 & 84 & \(4 \cdot 39\) & 101 &  \\
\hline 15 & 4.900 & 33
3 & 34.36
31.68 & 318 & 20.39
19.68 & 68
69 & 16.23
9.70 & 84
86 & 4.12 & 102 & 1.30 \\
\hline 17. & 4.4827 & 35 & 31.68 & 32 & 19.68 & & & & \(3 \cdot 0\) & 103 & 03 \\
\hline
\end{tabular}
IX.-English Life Table, denoting the Expectation of Life at erery Age, compiled by Dr. Farr from the Returns of Deaths, and published by and for the Government, 1864.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Age or past life. tane} & \multicolumn{2}{|l|}{Mean after lifetime} & \multirow[t]{2}{*}{Age or past lifesime} & \multicolumn{2}{|l|}{Mean after lifetlme} & \multirow[t]{2}{*}{Agear past life. time} & \multicolumn{2}{|l|}{Mean after lifetime} & \multirow[t]{2}{*}{Age or past life. time} & \multicolumn{2}{|l|}{Mean after lifetime} \\
\hline & Malez & Females & & Males & Females & & Males & Finules & & \(313{ }^{\prime}\) er & Femala \\
\hline & years & gearg
41.5 & 26 & yeary
3.5
3 & years
\(36: 39\) & 52 & years & years
1942 & &  & Jeats \\
\hline 1 & 46.65 & 17.31 & 25 & 34.77 & \%.7.75 & 53 & \(17.67^{\circ}\) & 18.75 & 79 &  & 3. \\
\hline 2 & 48.83 & 49.40 & 28 & 34.10 & 35.10 & 51 & 17.06 & 18.08 & 80 & \(4 \cdot 9.3\) & 3.88
3.66 \\
\hline 3 & \(49 \cdot 61\) & 50.213 & 8 & 33.1.3 & 34.46 & 55 & 11.15 & 17.43 & \({ }^{41}\) & \(4 \cdot 66\) & 4.98 \\
\hline 4 & \(49 \cdot 81\)
49.71 & 30.43
50.33 & 31 & (32*6 & 33.81
33.17 & 56
37 & 15.46
15.26 & 16.79 & 8 & 4.41 & 41 \\
\hline 6 & 49.39 & \(30 \cdot 09\) & 32 & 31.42 & \(32 \cdot 53\) & 58 & 11.68 & 115 & \({ }_{81}\) & \begin{tabular}{l}
\(4 \cdot 17\) \\
3.95 \\
\hline
\end{tabular} & 4.43 \\
\hline 7 & 48.92 & \(49 \cdot 53\) & 3.3 & 30+74 & 31.88 & 59 & 14-16 & 14.94 & 8.5 & \(3 \cdot 7\) & 3 \\
\hline 8 & 48:37 & \(4{ }^{4.98}\) & 31 & 310.07 & 31.23 & \(6{ }^{60}\) & 13.53 & 14.34 & 86 & 3.33 & - \\
\hline 9 & 47.71 & & 3.5
36 & - & \(30 \cdot 39\)
29.91 & 61 & 12.96 & 13.75
13.17 & K7 & \(3 \cdot 34\) & 3.55 \\
\hline 11 & 47.05
46.31 & \(47 \cdot 67\)
46.35 & 36
37 & 25.73
88.06 & 29.91
\(29 \cdot 29\) & 62 & 12.41
\(1] .87\) & 13.17
12.60 & H8 & \(3 \cdot 16\) & 3:3 \\
\hline 112 & \(46 \cdot 31\)
4
4 & \(46 \cdot 3.5\)
46.20 & 37 & 28.06
27.39 & \(29 \cdot 29\)
28.54 & 63 & \({ }_{11}^{11.87}\) & \(12 \cdot 60\)
18.150 & 89
90 & \(3 \times 10\) & 318 \\
\hline 13 & 44.76 & 45.11 & 39 & 26.72 & 27 & 6.5 & 10.48 & 11.51 & 91 & \(2 \times 4\)
\(2 \cdot 69\) & \\
\hline 11 & \(4.5 \cdot 97\) & 44.66 & 4) & \(26.10{ }^{\circ}\) & 27734 & 66 & 10.34 & 10.98 & 92 & 4.4.5 & 285 \\
\hline 15 & \(43 \cdot 18\) & 4.3.90 & 11 & 2.5.39 & \({ }^{36} 6.69\) & 6. & 9.83 & 10.47 & 93 & \(2 \cdot 41\) & \%.ss \\
\hline 16 & \(42 \cdot 40\) & \(43 \cdot 14\) & 42 & 21.73 & \({ }^{26.03}\) & 68 & \(9 \cdot 36\) & 9.97
9.4 & 94 & \(2 \cdot 9\) & \\
\hline 17 & 41.65 & 42:11 & 43 & 9.4.07 & 25.38 & & \%-90 & \(9 \cdot 48\) & 1,5 & \(2 \cdot 17\) & 家 \\
\hline 18 & 40.90 & 41.67
40.97 & 45 & 23.41
4.206 & 24.72
44.06 & 711 & \({ }_{8}^{8.45}\) &  & 96 & \(2 \cdot 06\) & \\
\hline 19
20 & \(40 \cdot 17\)
\(39 \cdot 48\) & \(40 \cdot 97\)
\(40 \cdot 29\) & 45 & 2276 & \(24 \cdot 06\)
\(23 \cdot 40\) & 71 & \begin{tabular}{l}
\(8 \cdot 0.3\) \\
\(7 \cdot 64\) \\
\hline 6.2
\end{tabular} & \(8 \cdot 57\)
8.15 & \({ }_{98}^{97}\) & 1.95 & 4.40\% \\
\hline 21 & \(38 \cdot 80\) & 59.63 & 47 & 21.46 & 22.74 & 53 & \(7 \cdot 42\) & 7.71 & 99 & \({ }_{1}^{1} \cdot 6\) &  \\
\hline 28 & 38.13
37.46 & 38.98
38.75 & 48 & 210.82 & 24.08 & 74 & \(6 \cdot 85\) & 7.31 & 100 & 1.66 & \(1 \% 6\) \\
\hline 2.3
21 & 37.46
36.6 & \(38 \cdot 7.3\)
37.68 & 49
50 & 20177 & 21.42 & & & & & & 1.10 \\
\hline 21, & 36.79
36.12 & \(37 \cdot 68\)
\(37 \cdot 01\) & 50 & 19:34 & 20.75
20.09 & \(\underset{76}{76}\) & \(6 \cdot 15\)
6.82 & \(\underset{6}{6.561}\) & & & \\
\hline
\end{tabular}
X.—Talle giving a Comparative View of the Results of the undermentioned Tublcs of Mortalty, 's rclation to the following I'articulars.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline &  Table, founded on the Register of Births and Hurlala at Northampton & nr the First Swedish Tables as published by Dr. I'rice: for both: seaes & \begin{tabular}{l}
By \\
Mir. The. parcieus's Table, founded on the Mortality in the Ftench T'ontines, prior to 1745
\end{tabular} & Mr. Misine's Table, founded on the Nortaity obser ved at Cat lisle & \(\xrightarrow[\text { Mr. (iriffith }]{\text { ny }}\) 1) avies's Table, founded on the Experience of the Equitable Llfe Insuronce Othice &  & \begin{tabular}{l}
Finlaison' \\
ndel on ihe \\
Af the fierer \\
Acrondit \\
to his Sena
Inrestas. \\
tion, is mem \\
tuned ot \\
indenct
\end{tabular} \\
\hline & & & & & & Mean of both Sexet & \begin{tabular}{l}
Yens \\
both xie
\end{tabular} \\
\hline Of 100,000 persons eged 25 there would be alive at the age of 65 & 34,295 & 43,137 & 51,033 & 51,335 & 49,330 & 33,470 & 33, 4 , \\
\hline Of 1001,001 pirsens anged 65, here would be alive at the age of 80 & 28.733 & 25,704 & 29,837 & 314677 & 37,267 & is, 6.5 & 3;33 \\
\hline Exjectation of life at the age of 2.5 gears & 3810.85
110.8 & 34.58
10.10 & 37.17
11.25 & 337.86 & 37.45 & 3R 35 &  \\
\hline  & & & & & 12.33 & 12\%81 & 1854 \\
\hline Interest being et 4 per cent. - \({ }^{\text {a }}\) & ¢15.438 & ¢16.839 & 217.120 & £17.645 & 217.491 & ¢17-334 & cifo \\
\hline Volue of an annulty on a life aged 65, interest being at 4 per cent. & 87761 & c7-328 & 28.039 & ¢8.307 & 28.635 & c8.396 & \\
\hline Volue of a deferred annuicy commencing at 65 , to a life now eged 25 , interest at 4 per cent. & c0.55424 & c0.65882 & ¢0.854:12 & 20.89823 & 20-98723 & 20:99078 & murs \\
\hline
\end{tabular}

Note.-In all the Tables nbove mentioned, it is mortality. But as it is agreed on all handst to be observed that the mortality is deduced from the duration of life among femalcs exceeds the an equal, or nearly equal, number of each sex; males, it follows that the results of Mr. Darif with the single exception of Mr. Davies's Table, Table fall matcrially short of what they wo founded on the experience of the Equitable, in have been, if the facts on which he has reasn which office, from the practical objects of life in- had comprehended an equal number of each composed the vast majority of lives subjectell to at 4t per cent., the rate allowed by Goremme

SII-Tuble shwing the Value of an Annuity on a Single Life, according to the N.rthampton Table -of Mortality.


Mill-Table showing the Value of an Annuity on the Joint Continuence of Two Lives of Equal
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \(4{ }_{4}\) & pea \({ }^{3}\) cent. & Cent. & per \({ }^{5}\) cent. & Af & & \({ }_{\text {per }}{ }^{3}\) Cenl 1. & \({ }^{4}\) er Cent. & \[
\mathrm{per} \mathrm{C} \mathrm{ent} \text {. }
\] & Ages & per \({ }^{3}\) & Cent. & pee Cent. \\
\hline |m! & 90 & \({ }_{8}^{8}\) & \% \begin{tabular}{c}
\(7.2 \times 7\) \\
4.193 \\
\hline
\end{tabular} & & & 12.1079 & 10.902 & \({ }_{0} 9.919\) & 65 and 65 & 5 & 3.201 & \(4 \cdot 960\) \\
\hline \(\stackrel{1}{4}\) & \({ }_{9}^{84}\) & \(\xrightarrow{11 \cdot 107}\) &  & & & 11.902 & 10.759 & \begin{tabular}{l}
9.801 \\
6.680 \\
\hline 9.
\end{tabular} & & 3.231
4.989 & 4.9982
4.760 & 4.739
4.535 \\
\hline , & 13.181 & 13.78.3 & 11.1541 & \({ }^{36}\) & \({ }_{5} 36\) & 11.5.39 & 10.46\% &  & 68.68 & \(4 \cdot 77\) & 4.357 & 4.548 \\
\hline 3 & \({ }_{16}^{136.098}\) & -3.391 & 21.994 & & 37 & - \(11 \cdot 3.31\) & 10.307 & \begin{tabular}{l} 
9.4.27 \\
\(9 \cdot 49\) \\
\hline
\end{tabular} & \(\begin{array}{ll}69 & 69 \\ 70 & 70\end{array}\) & 4.504 & 4.319 & 4.40 \\
\hline & 16333 & \(1 \times 24\) & 12.596 & 39 & 39 & 10.964 & 8.986 & 9.158 & 71 & 4.020 & 3.862 & \(\underset{3}{3 \cdot 939}\) \\
\hline & \({ }^{1635130}\) & 14399 & 12.731 & \({ }^{10}\) & 40 & 10.764 & 8.840 & 9.016 & 7\% 72 & 3.781 & \({ }^{3} 6.639\) & 3 \\
\hline 110 & \({ }^{166.359}\) & \({ }_{4}^{4} 4.296\) & (2.764 & \({ }_{12}^{41}\) & 48 & 10.369 & 9.64i & -8.876 & \(\begin{array}{ll}73 & 73 \\ 74\end{array}\) & - & 3.421 & \begin{tabular}{l}
3.304 \\
3.105 \\
\hline
\end{tabular} \\
\hline & 166142 & 14.153 & 12.546 & 4.3 & 43 & 10.175 & 9.346 & 8.599 & \begin{tabular}{l}
73 \\
76 \\
\hline 75
\end{tabular} & 3.114 & 3.015 & \(2 \cdot 917\) \\
\hline 1 & \({ }^{13} 1597\) & \({ }_{13}^{13.969}\) & \({ }_{12 \times 48}^{14}\) & 4 & 4 & 9.76 & 8 & 8.457
8.312 & \begin{tabular}{ll}
76 & 76 \\
77 \\
\hline 77
\end{tabular} &  & ¢ 28.835 &  \\
\hline I & 134 & \({ }^{13} 1301\) & 14.118 & 46 & 46 & 9.371 & 8:813 & - 8.162 & 7878 & 2. 350 & \(2 \cdot 470\) & 2.110 \\
\hline & 14.979 & 13.212 & 11.793 & 48 & 48 & 998929 & \({ }_{8}^{8.453}\) & 8.849 & 880 & \(2 \cdot 336\)
\(2 \cdot 122\) & 2. \(2 \cdot 1771\) & \% \(4 \cdot 217\) \\
\hline & 14.336 & 13 & 11.6.30 & \({ }_{50}\) & 49 & 8.930 & 8.466 & 7.686 & 81881 & 1.917 & 1.869 & 1.827 \\
\hline & 14316 & 12.679 & 11.351 & 51 & 31 & 8.507 & \(\stackrel{8}{7} 9000\) & \({ }_{7}^{7.368}\) & \(\begin{array}{ll}83 & 82 \\ 83\end{array}\) & (1.719 & 1.681 & 1.642 \\
\hline A &  & 14:33) & 11.232
11.131 & 32
53
63 & \({ }_{53}^{52}\) & \(8 \cdot 314\)
8.1098 & 7.793 & \(\underset{\substack{7.213 \\ 7.056}}{ }\) & 84 & 1.416 & 1.3137 & 1.357 \\
\hline \% \({ }_{\square}^{4}\) & 13 \% & 12493 & 11.042 & 54 & 5 & \(7 \cdot 891\) & \(7 \cdot 364\) & \({ }^{6 \times 897}\) & \({ }^{65}\) & 1.218 & 1.195 & \begin{tabular}{l}
1.236 \\
1.171 \\
\hline
\end{tabular} \\
\hline &  & 12:062 & - & S65 & \({ }_{56}^{55}\) & \(7{ }^{7}\) & 7.179
6.993 &  & \(\begin{array}{lll}85 & 85 \\ 88 & 88 \\ 88\end{array}\) & 1.1414 & 1.124 & 1-098 \\
\hline \({ }_{8}^{8}\) & \({ }^{13} 5\) & 1.94 & 10.64 & 56
58 & 87 & \({ }_{7} 7436\) & \({ }^{6.80}\) & \({ }_{6}^{6.404}\) &  & (1.103 & 1.0.00 & 1063160 \\
\hline & 13.07 & \({ }_{1}^{1.659}\) & - 10.667 & -588 & 58
59 & 7.041
6.966 & 6.6.4, & 6.254
6.062 & 90 91 & 0.938
0.769 & 0.942 & 0.9419 \\
\hline & \% & 11.59 & 12467 & 60 & 60 & \({ }^{6} 6.6961\) & 6.286 & \({ }^{5} 8888\) & \(92 \quad 92\) & \(0 \cdot 591\) & - 0 & \({ }_{0}^{0.548}\) \\
\hline & 1rex & 11.45 & & 61
68 & 61 & 6.386 &  & S.7. & 83
83
83 & \({ }_{0}^{0.369}\) & \(0 \cdot 365\) & \(0 \cdot 361\) \\
\hline & 10, & 11119 & 10.146 & 㐌 64 & 63 & \({ }_{5}^{5.938}\) & \({ }_{5} 5 \cdot 696\) & 5:347 & 9595 & \({ }_{0} 0.460\) & O-2650 & 0.199
0.059 \\
\hline & Hzant & 1042 & 1 1rus 1 & 64 & 61 & \(5 \cdot 769\) & \(5 \cdot 417\) & 8.158 & \(98 \quad 96\) & \(0 \cdot 000\) & \(0 \cdot 60\) & 0.000 \\
\hline
\end{tabular}
XIV.-Table showing the Value of an Annuity on the Joint Continuance of Tuo Lives of Herval

XV.-Table showing the Value of an Anauity on the Joint Continuance of Two Litec, whe
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Ages & \[
\left\lvert\, \begin{gathered}
3 \\
\text { per Cent. }
\end{gathered}\right.
\] & per Cent & \[
\text { per } \stackrel{5}{\text { Cent. }}
\] & Ages & \[
\left|{ }^{3}{ }^{3}\right|
\] & per Cent. & \[
\left\lvert\, \begin{gathered}
5 \\
\text { per Cent. }
\end{gathered}\right.
\] & Ages & \[
\text { per }{ }^{3} \text { Cent. }
\] & er Cez & \(1{ }^{3}\) \\
\hline 1 and 6 & 12.346 & 10.7.31 & 9.179 & 32 and 37 & 11.775 & 10.659 & 9.716 & 62 and 67 & \(5 \cdot 503\) & 3\%85 & \\
\hline 4 & 1.1561
15360 & 12.581 & 11.109 & 33
34
38 & 11.591 & 10.508 & \(9 \cdot 591\) & 63 688 & 5 & 3017 & +548 \\
\hline \(3{ }^{3}\) & 15 & 13.319
13.75 & \(11 \cdot 755\)
\(1 \% 165\) & \(\begin{array}{ll}34 & 39 \\ 3.5 & 40\end{array}\) & (11.401 & 10.354
10.196 & 9.163
9.381 & \(\begin{array}{ll}64 & 69 \\ 65\end{array}\) & \(5 \cdot 14.4\) & 4.98 & (4,4) \\
\hline 510 & 15.974 & \(13 \cdot 433\) & 12.315 & 36 il & \(11 \cdot 121\) & 10037 & 9.198 & 667 & 4.310 & 4.3i4 & 19 \\
\hline 611 & 16.110 & 14.06\% & \(12 \cdot 47\) & 3748 & 111888 & 9.877 & 9476 & 67 72 & 4 4 & 1.131 & He \\
\hline 712 & 16.137 & \(14 \cdot 111\) & \(12 \cdot 498\) & 3884 & \(10 \cdot 6.31\) & \(9 \cdot 716\) & 8.927 & \(68 \quad 73\) & \(4 \cdot 059\) & 39.10 & \%rit \\
\hline 8 & 16.039 & 14-689 & 3 & \(\begin{array}{ll}39 & 41 \\ 40 & 45\end{array}\) & \(10 \cdot 337\)
\(10 \cdot 23\) & 9.530
9.381 & 8.787
8.613 & 69 & \(3 \times 1 \times 5\) & 3.6,3 & 5 \\
\hline \(\begin{array}{ll}9 & 14 \\ 10 & 15\end{array}\) & \(15 \cdot 957\)
15.762 & \(13 \cdot 9.42\)
13.841 & 12.421
12302 & \(\begin{array}{ll}40 & 45 \\ 41 & 46\end{array}\) & (10.235 & \(9 \cdot 381\)
\(9 \cdot 410\) & W.64,
8.497 & \(\begin{array}{ll}70 & 75 \\ 71 & 76\end{array}\) & \begin{tabular}{l}
3.659 \\
3.546 \\
\hline
\end{tabular} & \(3+14\)
3
3 & उ\% \\
\hline 1116 & 15-3.38 & 13.66t & 12.138 & 4247 & 94*24 & \(9 \cdot 137\) & \(8 \cdot 350\) & 72 & 3.175 & 3.0\%0 & \\
\hline 1217 & 15.308 & 13.484 & \(12.80{ }^{10}\) & 4348 & \(9 \cdot 6 ; 3\) & \(8.86{ }^{2}\) & 8-200 & 738 & 8.9.3 & 4*69 & 7v) \\
\hline 1318 & \(15+186\) & \begin{tabular}{l}
\(13 \cdot 30.3\) \\
13.130 \\
\hline
\end{tabular} & 11.86 & 448 & 9.414 & 8.683
8.503 & \(8 \cdot 616\) & 74 79 & 2.743 & 4.699 & 50 \\
\hline \(\begin{array}{ll}11 & 19 \\ 15 & 20\end{array}\) & \(14 \cdot 870\)
\(1 / 660\) & 13.130
129 & 11.723
11.585 & \(\begin{array}{ll}43 & 311 \\ 46 & 51\end{array}\) & 9.204
8.997 & 8.503 & 7.73: & \(\begin{array}{ll}73 \\ 76 & 80 \\ 76\end{array}\) & \% \(2 \cdot 386\) & y.419 & 485 \\
\hline 1621 & 11.437 & 12-739 & 11.452 & 47 52 & 8.790 & 8.147 & \% 54.2 & 77 & 2.131 & \({ }^{2}\) & 2. 3 \\
\hline 1722 & 18.26s & \(12 \cdot 646\) & 11.327 & 48 83 & 88579 & 7.965 & \(7 \cdot 421\) & 7 ll & \(1 \cdot 917\) & [19]9 & - \\
\hline 3843 & 14.188 & \(3 y \cdot 560\)
14.361 & \(11 \cdot 209\) & 495 & 8.366 & \(7 \cdot 780\) & 7-262 & 7981 & \(1 \cdot 792\) & \(1 \cdot 75\) & 131 \\
\hline 19 24 & 13.948 & \(12 \cdot 361\) & \(11 \cdot 096\)
\(10.9 \times 9\) & 50 515 & 8.1 .51
7.910 & 7.493 & \(7 \cdot 1098\) & 80 85 & -615 & 1 16us & 35 \\
\hline \%0 45 & \(13 \cdot 741\) & 12-229 & 10.989
10.890 & \(\begin{array}{ll}31 \\ 54 & 513 \\ 50\end{array}\) & 7.910
7.730 & 7.409 & 6.936 & 818 & \(1 \cdot 611\) &  & 1.14 \\
\hline \(\begin{array}{ll}21 & 26 \\ 22 & 27\end{array}\) & \begin{tabular}{l}
13.581 \\
13.43 \\
\hline
\end{tabular} & 12.105
11.987
1 & 10.890
10.796 & \(\begin{array}{ll}52 \\ 53 & 57 \\ 58\end{array}\) & 7.730
7.518 & \({ }^{7} 725\) & 6.758
6.609 & \(\begin{array}{ll}48 \\ 83 & 87 \\ 83\end{array}\) & 1.385
\(1.2 \times 1\) & 1336 & 124 \\
\hline 438 & 13.280 & 11.866 & 10.699 & 5469 & \(7 \cdot 301\) & 6*851) & \(6 \cdot 142\) & 848 & 1.187 & 1.14 & , \\
\hline 24.49 & \(13 \cdot 124\) & 11.743 & \(10 \% 60\) & 3560 & 7.018 & \(6 \cdot 659\) & 6.272 & 8590 & \(1 \cdot 071\) & 10.03 & uis \\
\hline \(25 \quad 30\) & 12.966 & 11.618 & 10.3199 & \(36 \quad 61\) & 6-870 & 6.465 & 6-1010 & 86 & 6.971 & 0-4, 9 & cow \\
\hline 2631 & 12.805 & 11.489 & 10-396 & 5786 & 6631 & 6.270 & 3.925 & 8792 & \(0 \cdot 755\) & 0\%35 & vis! \\
\hline 27 32 & 12.611 & 11.359
1154 & \(10 \cdot 289\) & \({ }_{58}^{58} 63\) & 6.447 & 6.076 & S.741 & 68
49 & \(0 \cdot 551\) & 0.3. 4 & \(0 \times 1\) \\
\hline 2383 & 12.172 & 11.423 & 10.187
10.069 & 39
60 & \(\stackrel{6}{6 \cdot 201}\) & 3.467
5.658 & 3.361
5.372 & \({ }_{99} 94\) & 0.317 & 0.353 & 0.4\% \\
\hline [ 4983 &  & 11.188
10.948 & 10.069
9.951 & \(61 \quad 66\) & \({ }_{3} 9737\) & 5.653
5.447 & S.180 & \(\begin{array}{ll}90 & 95 \\ 91 & 96\end{array}\) & 0.179
0.600 & V.17 & 0.13 \\
\hline \(\begin{array}{ll}31 & 36\end{array}\) & 11.953 & 10805 & 9.837 & & & & & & 0, & 0.01 & \\
\hline
\end{tabular}

XVI,-Table showing the Value of an Annuity on the Joint Continuance of 1 wo Lives uken Difference of Age is Five Years, according to the Carlisle T'able of Murtality.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Ages & per Cent. & per \(\sim^{\text {r }}\) nt. & per Cent. & \multicolumn{2}{|r|}{Ages} & \[
\left\lvert\, \begin{gathered}
3 \\
\text { per Cent. }
\end{gathered}\right.
\] & per Cent. & \[
\stackrel{5}{5}
\] & \multicolumn{2}{|r|}{Ages} & \multicolumn{3}{|l|}{} \\
\hline 1 and. 6 & 16.488 & 1.1-269 & 12.331 & 34 & 39 & 14.290 & 12.735 & 11-308 & 67 & 72 & 4.580 & \(1+56\) & \(1 \%\) \\
\hline \(2{ }^{2}\) & 18.487 & 15.341 & 13.253 & 35 & 40 & 14.048 & \(12 \cdot 5 \times 1\) & 11.354 & 68 & 73 & \(4 \cdot 497\) & 4123 & 4 \\
\hline 3 & \(19 \cdot 100\) & 16.414 & \(1+.019\) & 38 & 41 & 13.812 & 12.391 & 11.214 & 8 & 78 & 4.0 .35 & 4, 3 ; 4 & \% \\
\hline 4.9 & \(19: 584\) & \(10^{\circ} 614\) & 14.102 & 37 & 42 & 13.579 & 12.209 & 11.1835 & 70 & 73 & STM0d & 3 361 & \% \\
\hline 510 & 19.87. & \(16 \cdot 913\) & 14.619 & 38 & 4.3 & \(13.3+6\) & 12.024 & 10.917 & 71 & 75 & 3-468 & 3.494 & 3 \\
\hline 6 11 & 19.935 & [6.989 & 14.731 & 39 & 44 & 13-107 & 11.8 .3 & \(10 \cdot 7 / 3\) & 78 & 77 & 3.353 & 3 c [it & \% \\
\hline \(7 \quad 12\) & \(19+383\) & 16.975 & \(1+736\) & 40 & 43 & 14.868 & \(11 \cdot 6+1\) & 30.308 & 73 & \% & \(3 \cdot 159\) & 3017 & 80\% \\
\hline 81.3 & 14.77 1 & 16.900 & 1.4 .489 & 41 & 46 & 12.6.30 & 11.454 & 10.444 & 71 & 79 & 2.y3z & 9:3 & 8if \\
\hline 9 90 & 19.606
19.410 & 16.785
16.613 & 14.6616
\(1+500\) & 42 & 47 & 12.389
\(12 \cdot 1=3\) & 11.266
11.03 & \(10 \cdot 287\)
\(10 \cdot 121\) & 75
76 & 811 & \% \({ }^{2} \cdot 6199\) & \% 27314 & W \\
\hline 1116 & 19208 & 16.495 & 14.389 & 41 & 49 & 11.868 & 10*30 & 9-437 & 77 & 42 & 24,41 & 4:4, 4 & \%3 \\
\hline \(12 \quad 17\) & 19.014 & 16.354 & \(14 \cdot 2 \mathrm{ck}\) & 45 & 30 & 11.580 & 10-691 & 9-737 & \% & 83 & 2.314 & 2riss & 4 \\
\hline 13 18 & 18.820 & 16.213 & 11.178 & 46 & 51 & 11-271 & 10-3.32 & \(9 \cdot 619\) & 79 & 81 & 2.155 & 8049 & \% \\
\hline \(14 \quad 19\) & \(18 \cdot 628\) & \(16^{\circ} 0688\) & 15469 & 47 & 52 & 10.956 & 10.463 & \(9 \times 24\) & 80 & 6.9 & 1 & 1-943 & 918 \\
\hline 1520 & \(18 \cdot 423\) & 13.922 & 13.959 & \(4{ }^{4}\) & 53 & 11.688 & \(9 \cdot 787\) & 2.054 & 81 & 86 & 1.834 & \(1 \cdot 97\) & \% \\
\hline 16 21 & 18.236 & \(15 \cdot 781\) & \(13 \cdot 753\) & 49 & 34 & \(10 \cdot 2 \mathrm{Hi}\) & 9.132 & \(\stackrel{.799}{ }\) & \({ }^{4} \mathrm{y}\) & 87 & 1.714 & & 䢕 \\
\hline 17 24 & \(18 \cdot 1336\) & 156639 & \(13 \cdot 7.6\) & 30
51 & 35
56 & 9.924
9.550 & 9.181 & 8.324
8.242 & \({ }_{81} 8\) & 88
89 & 1.6116
1.496 & \({ }_{1}^{1369}\) & , \\
\hline 18 & \(17 \cdot 338\) & \(15 \cdot 493\) & \begin{tabular}{l}
\(13 \% 636\) \\
13.541 \\
\hline
\end{tabular} & 51
32 & 36 & \({ }_{\substack{\text { 9. } \\ 9 \cdot 172}}\) & 8.8 .515
8521 & 8.242
7.9511 & \%
6 & \({ }_{96} 9\) & 1-433 & 1:30] & (2i) \\
\hline \(\begin{array}{ll}19 & 14 \\ 20 & 45\end{array}\) & \(17 \cdot 633\)
17.421 & 15.311
\(15 \cdot 182\) & 13.5811
10.398 & 32
3.3 & \begin{tabular}{|c}
37 \\
58
\end{tabular} & 9.172
8.797 & 8521
8.194
8.4 & \(7 \cdot 4511\)
\(7 \cdot 657\) & 85
86 & 90
91 & \({ }_{1}^{1245}\) & 1 & \(2{ }^{\text {a }}\) \\
\hline 21.86 & \(17 \cdot 204\) & 15.019 & 13.278 & 54 & 59 & \(8 \cdot 4.39\) & \(7 \cdot \mathrm{N76}\) & 7.375 & 87 & 92 & \(1-2+3\) & 129 & \% \\
\hline 22.87 & 169.7 & 14.816 & \(1.3 \cdot 137\) & 55 & 60 & 8.199 & 7.574 & \(7 \cdot 1145\) & 88 & 9.1 & 1.438 & 1"13 & \% 1. \\
\hline 2388 & 16.747 & 14.670 & 13010 & 56 & 61 & 7.788 & 77239 & 6.850 & 89 & 91 & \(1 \cdot 266\) & 1.191 & \\
\hline \(25 \quad 29\) & \(16 \cdot 591\) & 1. \(1+500\) & \(12 \times 67\) & 37 & 62 & 7.481 & 7.125 & \({ }^{6 \cdot 61 \%}\) & \({ }_{91}^{90}\) & 93 & \({ }_{1}^{124} 4\) & 1.1ns & \\
\hline \(25 \quad 30\) & 16.311 & 14.339 & 12.742 & 58 & 63 & 7.175 & & \(6 \cdot 76\)
\(6 \cdot 1 \times 7\) & \({ }_{92}^{91}\) & 96 & - \(1 \cdot 2 \times 10\) & 1:\%13 & \\
\hline 26 & \(16.09_{4}\) & 14.178
14.1008 & \(12+615\)
124.84 & 39
60 & 61 & 6.875
8.589 & \(6 \cdot 482\)
6.44 .5 & \(6.1<7\)
\(5 \cdot \mathrm{Ky}^{\prime}\) & 98
93 & 97
98 & 1264 & 1-25 & \(1{ }^{13}\) \\
\hline \(\begin{array}{ll}27 & 32 \\ 28 & 33\end{array}\) & 15.875 & 14.008
1.34 .80 & 12.488 & 60
61 & 66 & 6.323 & 6.28 .5
3.966 & \(5 \cdot 678\) & 44 & 99 & 1-234 & 14: & 194 \\
\hline 29 \% & 15.444 & 13.657 & \(12 \times 216\) & 62 & 67 & 6 & 5.743 & 5.158 & 8.5 & 110 & 14172 & 1964 & \\
\hline 30 & \(15 \cdot 409\)
14.489 & 13.491
13.341 & 12\%178 & \({ }_{6}^{63}\) & 68
69 & 5.779 & \begin{tabular}{l}
5.393 \\
\(5 \times 24\) \\
\hline 20,
\end{tabular} & 3.23.31 & \({ }_{96}^{96}\) & 168 &  & 0.568 & 4 \\
\hline 31 & 14.939 & \(\xrightarrow{13.341} 1\) & 11.94
11.806 & 64
64 & \({ }_{70}\) & & \[
\begin{aligned}
& 5: 240 \\
& 4.1 .56
\end{aligned}
\] & & \({ }_{98}^{97}\) & 1102 & 0354 & 0\%\% & \\
\hline \begin{tabular}{ll}
32 & 37 \\
33 & 38 \\
\hline
\end{tabular} & \begin{tabular}{l}
14.764 \\
14.531 \\
\hline
\end{tabular} & 13.146
12.964 & 11.806
11.661 & 63
616 & \(7{ }_{71}^{70}\) & +193 & \[
\begin{array}{r}
4.1 .36 \\
4.667 \\
\hline
\end{array}
\] & \[
\begin{aligned}
& 4737 \\
& 4.464 \\
& \hline
\end{aligned}
\] & 95 & \(1{ }^{1} 1\) & & & \\
\hline
\end{tabular}

\footnotetext{

}

The Northampton Table (No. VI.), by underating the duration of life, was a very ndvautamas guide for the insurance offices to ko by in geus guides; but to whatever extent it might be beneficial to them in this respect, it became equalls injurious when they adopted it as \(n\) guide analling nnnuities. And yet, singular as it may hermo of the insurnnce offices cranted on nutise on the some terras that they insured lives; anitise on the somat, if they gained by the latter andaction, they must obviously lose by the thene. Gorcrument also continued for a lengthenod petiod to sell anmities according to the Gorlampton Tables, and without making any ditiaction between male and female lives! \(\bar{\Lambda}\) clance at the Tables of M. Deparcicux ought to fre atistied them that they were proceeding on ruter false principles. But, in despite even of the admenitions of some of the most skilfal mathematicians, this system was perseverel in is many vears. We understand that the loss tence arising to the public may be moderately ctortei at \(2000,000 l\), stenling. Nor will this mast a lage sum to those who recollect that manaing interest to be 4 per cent., there is a differmere of no less than 91 l. 1 s , in the value of an araity of 501 . for life, to a person aged \(4 \overline{5}\), betren ihe Sorthamptun and Carlisle Tables.
ISTOICE. An account of goods or merchandise youbraechants to their correspoudents at home ot broded, in which the peculiar marks of caeh pacage, with other particulars, are set forth. Bnow-keeping.]
IONLS ISLANDS. The name given to the ishaid oi Corfu, Paxo, Santa Maura, Ithaca, Cephatois Zante, Cerigo, and their dependent idtes. Hith the exception of Cerigo, which lies appsite to the sowh-castern extremity of the Hoces, the rest lie pretty contigueus, along the reitem crasts of Epirus and Greece; the most workely point of Corfu being in lat. \(39^{\circ} 48^{\prime} 15^{\prime \prime}\) X. and the most southerly point of Zante (Cape Jien, on which there is a light-house) being in ha \(30^{\circ} 38^{\prime} 35^{\prime \prime} \mathrm{N}\). Kapsali, the port of Cerigo, is fint \(30^{\circ} 7^{\prime \prime} 30^{\prime \prime}\) N., long, \(23^{\circ} \mathrm{E}\).
Thearea and population of the different islands mattestimated as follows:-
\begin{tabular}{|c|c|c|}
\hline Sland & Area in Syuare Miles & Population In 1863 \\
\hline Orh & 227 & 73,5.53 \\
\hline cemicha - & 311 & 71,667 \\
\hline \({ }^{2 \times 17}\) & 161 & 39,732 \\
\hline rayum & 136 & 211,40\% \\
\hline lave & 44 & 11,0644 \\
\hline \(\mathrm{Crmog}_{\text {Prem }}\) & 116 & 11,740 \\
\hline Pivo & 26 & 4,986 \\
\hline Totas & - 1,041 & \(237,32{ }^{\circ}\) \\
\hline
\end{tabular}

Soil and Climate.-These are very various. 7ate is the most fruitful. It consists principally. dan extensive plain, oceupied by plantations of surants, and having an air of luxuriant fertility ad nchness. Its elinate is comparatively equal od fine, but it is very subject to earthquakes. hría and Cephslonia are more rugged and less miftul than Zsntn; and the former from its inaity to the snowy mountains of Epirus, and te latter from the Black Mountain in its intebor, are exposed in winter to great nud sudden muations of temperature; the frost sometimes amaing to a great extent the oranges and vines Chese islands and thuse of Santa Maura. The cter is, in the hot season, exceedingly unhealthy a consequence of the vapours arising from the wocky and stenile: it is seas to the N.E. Cerigo Focky and sterile; it is subject to continued res, and the currents seldom permit its waters rmain unruffled.

IONLAN ISIANDS
History, Government §r.-These islands hnve undergone many vicissitules. Corfu, the ancient Corcyra, was famous in antiquity for its maval power, and for the contest between it and its mother state Corinth, which cventually terminated in the l'eloponnesian war. Ithaca, tho kingdom of the mythical Dlysses; Cephalonia, sometimes called Dulichium, from the name of one of its cities; Zante, or Zacynthins; Snnta Maura, known to the ancients by the nimes of Lencas or Leucadia, celelirated for its promontory surmounted by a temple of Apollo, whence Sappho, it is said, precipitated herself into the ocean; and Cerigo, or Cyilhera, sacred to Aphroditê, have all acquired on immortality of renown. But, on comparing their present with their former state, we may well exclaim-

Heu quantum hiec Niobe Niobe distabat ab illa!
After innumerable revolutions, they fell, early in the fifteenth century, under the dominion of Venice. Since the downfall of that republic they have had several protectors, or rather masters, being successively under the donimion of the Russians, the French, and the linglish. By the 'Treaty of Paris, in 1815, they were firmed into a surt of semi-independent state, with an internul Government of their own, under the protection of Great Brituin; n Lard Iligh Commissioner, appointed by the linglish Government, having charge of the foreign relations, and of the internal, naritime, and sanitary police. The British cummander-inchief had the custody of the fortresses, and the disposal of the forces. It was stipulated in the Treaty of Paris that the inlands may be called upon for the pay and subsistence of 3,000 men, as well as for the repair of their fortresses occupied by the British troops. The executive Government was vested in a president nominated by the Commissioner, and a senate of 5 memiers ( 1 for ench of the larger islands of Corfu, Cephalonia, Zante, and Sinta Maura, and 1 representing collectively the smaller ones of Ithica, Cerigo, and Paxo, by each of which he was elected in rotation). The senators were elected at the commencement of every quinquennial Parliament (subject to a negative ;rom the Conmmissioner) trom a legislative chamber of 40 members, themselves eleeted by the constituencies of the different islands, for 5 years. The senate and legislative assembly, together with the Commissioner, were thus the supreme nuthority: they were, when united, tcrmed the Parliament, and as such, passed, amended, and repenled laws, in the mode prescribed by the constitution of 1817. Besides the General Government, there was in each island a local administration, composed of a regent, named by the seL.ate, and from 2 to 5 municipal officers clected by their fellow-citizens. On June 1, 1864, these islands were voluntarily ceded to the kingdom of Greece by the British Government.

The State of Society in these islands is far from being good, and was formerly the most depraved imaginable. The people, when they were placed under the rgis of England, were at once lazy, ignorant, superstitious, cowardly, and bloodthirsty. Their vices may, we believe, be in great degree nscribed to the Goverament and religion established amongst them. The latter consiated of little more than \(n\) series of fasts nod pucrile observanzes; while the former was both weak and corrupt. The Venetians appointed to situntions of power and emolument helongea mostly to noble and decayed fumilies, and look ed upon their offices merely as means by which they might repair their shattered fertunes. Hence the grossest corruption pervaded every department. There was no crime
for which impunity mirht not be purchasel. Justice, in fact, was openly bought and sold; and suits were decided, not according to the principles of law or equity, but by the irresistible influence of fuction or of gold. In consequence, the islands becmene a prey to all the vices that aflict and legrade a corrupt and semi-burbarous socicty. Sandys, one of the liest English travellers who ever visited the Levant, having touched at Zante in 1610 , expresses himself with respect to the inhabitants as follows: 'In habite they initate the 1talians, but transeend them in their revenges, and inlinitely less civil. They will threnten to kil a merchant that will not buy their commodities; and make more conscience to breake a fast than commit a murther. He is wenry of his life that hath a difference with any of them, and will walke abroad after dayliglit. But cowardice is joined with their crueltie, who dare doe nothing but sodainly upon advantage; and are ever privately armed. They nre encouraged to villanies by thie remisznesse of their lnws. The labourers do go inio the fields with awords and pritizans, as if in an enemie's countrey; bringing home their oils and wines in hogskins, the inside turned out.' (P. 7, ed. 1637.)

If the Zantiotes did net detericrate during the next two centuries, which, indeed, was hardly possible, they certainly did not improve. Dr. Holland, by whom they were visited in 1812, tells us that lie heard, ' on aure authority, that the number of assassinations in Zante has been more than 1 for each day of the year, though the population was only 40,000!' (Travels in the Ionian Isles, \&c., 4to. ed. p. 23.)

Matters were, if not quite ao bad, very little better in the other islands. In Cephalonia, the inhabitants were divided into factions, entertaining the most implacable animositics, and waging a war of extermination against each other. A little vigour on the part of their rulers would have served to suppress their murderous contests. But this was not an object they wished to attain; on the contrary, their seltish and crooked policy made them seek to strengthen their own power by fomenting the dissensions that prevailed amongst their subjects. (Bellin, Description du Golfe de \(V\) enise, p. 165.) Considering the atate of society at home, we need not wonder that the Cephalonians, who were distinguished among the islanders for aetivity and enterprise, were much addicted to emigration. The Venetians attempted to cheek its prevalence; but as they neglected the only means by which it could be preventedthe establishment of security and good order at home-their efforts were wholly unsuccessful.

The islanders did not, however, satisfy themselves with attempting to stab and prey upon each other. They were much addicted to piracy, particularly the inhabitants of Santa Maura and Cerigo; and it has been alleged that the Venctian Government participated in the profits of this public robbery, which, at all events, they took little pains to suppress.

A long series of years will be required to erndicate vices so deeply rooted, and to effect that thorough change in the habits and morals of the people that is so indispensable. The power and influence of the British Government had, however, a very decided effect. Piracy was suppressed; and assassination, though still bursting forth, especially in periods of political excitement, with renewed violence, was, speaking generally, a good deal less prevalent. A spirit of industry, sincerity, and fair dealing began to manifest itself. The present generation of nobles possess a degree of information, and a knowledge of the true interests
of their country, which, though not all the himht be wished for, wns, at least, unknown to their fathers. But there is, notwithstandinf, a vat deal of intrifne nud faction, which was kept alive and fostered by the contentions in their niock Parliament. It is not easy to exaggerate the difliculties with which the auccessive lritish mo vernors, from Sir 'lhomas Maitland down to Henry Storks, had to contend. They were opporion by every means that feudal rancour, corrup and psetde-patriotisin could throw in their way, Not that we menn to say they nlwars acted discrectly, or that the public expenditure was at udicious and economical as it might have been, But they, at all events, acted openly nnd in a straightforward manner; and with an earnes desire to maintain the public tranquillity, and promote the prosperity of the commonvealth And now that the responsibility has fallen on the Greeks themselves, it may perhaps be hoped by the more sanguine that the influence of our es nmple, of our unbiassed execution of the ian, an of the education so generally diffusel, mar in the end lielp to accomplish the regeacration these islanders.
Manufactures \&cc.-These islands possess fer manufactures properly ao termed. The wives the villani, or peasants, spin and weave a cars kind of woollen cloth, sufficient in grat part \(\{\) the use of their families. A little sonp is modes Corfu and Zante. The latter manafactures considernble quantity of silk gros-de-Naples and handkerchiefs; the art of dyeing is, howeres, to little atudied, and the establishments are on to small a scale. The peasantry, in general, lazy, vain, delighting in display, and very supe stitions. Those of Zante and Cephalonis a more industrious than the Corfiotes; in the firs particularly, their superior condition is pobab to be ascribed, in part at least, to the nodles siding more on their estates in the conntr, al contributiug, by their example, to stimulate dustry. In Corfu, the taste for the citr \(1 i\) which prevailed in the time of the Yenetian \(C\) vernment, still operates to a great degree. Corfiote proprietor resides but little in his rill his land is neglected, while he continues in practice of his torefathers, who preferred wathi opportunities at the sent of a corrupt Govemme to improving their fortunes by the more lem mate menns of honourable exertion and steno to their patrimony. In this respect, homeral material change for the better has taken ol during the laat 20 years.
Imports of Grain \&.c.-Great part of theleso held under short tenures, on the mitayer yyd the tenant paying half the produce to the lis lord. Owing to the nature of the eoil, and superior attention given to the culture of olid and currants, the staple products of the isas most part of the grain and cattle required their consumption is imported. The hard in of Odessa is preferred, and large sums are anpur seat to the Black Sea in payment. The Pa ment, in March 1833, repenled the duties on introiluction of corn; and the graia nacoopl Corfu, which had been established in farom Government, in order to provide against thepy bility of a general or partial scareity, was then suffered to expire. These two acurces of ta while they existed, did not probably produad than \(20,000 \mathrm{l}\), annually.

Cattle.-They are aimilarly depeodent Greece and 'Turkey fer aupplies of butchers'm a small number only of sheep and goats by bred in the islands. Oxen, whether for culture or the slaughter-house, are prixcig
h not all that himet unknown to then thistanding, a rast hich was kept alive tions in their nock to exagrerate the ccessive British go aitland down to s." They were oppoied rancour, corruptioa throw in their way, they alvays neted expenditure was as it might have been. ed openly and in : ad with an earnest a tranquillity, and ts the commonsealth. lity has fallea on the jerbaps be hoped by intluence of our ex. ution of the iaw, and Jy diffused, may io the regeneration of
islands possess fe rmed. the wires and weare a coars ient in great part 1, little soap is made tter manufactures \(k\) gros-de-Naples an reing is, howeret, to slishments are on th ntry; in geactal, a splay, and very supes and Cephaloxia a Corfiotes ; in the firs condition is probab east, to the nobles : \(s\) in the country, 4 nole, to stimulate ste for the city lii te of the Venctian \(G\) a great degtee. 1 but little in his rill e he continues in y vho preferred watchis a corrupt Govemme es by the mate leg exertion and atteni dis respect, horerely ctter has taken ph
reat part of the la on the metayer syd e produce to the lis re of the coil, and 0 the culture of oif roducts of the isia roducts cattlo required nd cattlo required irted. The hand mi large sums are ana payment, The Pu aled the duties on the grain monapar tablished in faroul ovide sgainst the p 1 scarcity, was thea two scufces of the t probably prodace ilarly dependent plies of butchers' sheep and goats b en, whethet for house, are prineip
bropht from Turkey. The beeves enten by our tape were \(6 w^{\prime \prime}\) is or 2 montlas walking down itum the Danmbe, and the provinees that skirt
it to the shores of lipirns, where they it to the shores of Epirns, where they remained in pature until fit for the table.
Erports--The staple exports from these islunds int is produced iu great abuuinnee valonin. The Pase, and in a less quantity in in Corfus and Yyua, and Cephalonis. Corfu in Zante, Santa upearance of a continuous olive wood fact, the equence, parlly; of the extraordinary encourare mit formerly given to the culture of encourageto the Venetians. Although there of the plant ren wear, the preat croph there is a harvest the the generally reposiue is properly biennial wist. (In France and Piedmon year after its inativity is of 2 and 3 years.) During 5 or wnth, from October till April During 5 or 6 pricularly io Corfu, presents an animated amice, persons of all ages being busily apwored in picking up the fruit 'T bnsily emthae may be about \(1 / .11 s\). per barrel. Under the Menetian system, the oil eonld oniy be ourrie wInete. It is charged with an ad valoremried of 18 per cent., parable on the export (luty quaty might be much improved by a littl The cat in the manufacture, the trees being generally wier tinn in any other country. In 1863 thy produce of oil was 80.385 barrels. In 1863 the Curantc originally introduced
froma in Zante and Ceplialonin the Morea, a rine of small size and delicate The plant cultiration of which requires mate nature, the or setem years clapse after a plantation eare. Six made befere it yields a crop. In the berins been




 o Report for December 18 great mischijef. In tright, British consul at Cephan, Sir Charles ravious this species of crop mus, shows low Iratis are gathered tof erop must be. The le leing carefully picked ards September, and bonstonc floor carefy picked, are thrown singly The the floor, exposed to the sun in the oren loger, if the weather be not fayourablaight Tr sharer or thunder-storm favourable. A sumetimes at senson) not only interrupts it smetimes causes fermentation. The fruit, wouly tit to be given to animals. The fruit is pe these risks, it is deposited in mane should it Wh'uraglie,' until a purelinaser casts magazines rglitate,' or warehouse keeper, delivers to the noin a paper acknowledging the recs to the goantity delivered, which passes receipt for - linder hand to hand till the timently in Conder the old Venetian the time of extrof traffic in this produce wovernment, the
 al nobles assembled in ehosen out of the thace, the walated what should be the of the those who wished to phould be the price; tity the of describing to the Governme under collenetios desired. This system wont the colegetto.' The export dutien was enlled ginal duty of 9 per cent. ad valorem consisted of otfixed duty of about 4 ad valorem; a clazio \(d_{\text {rath }}\) per a novissimo, or most per cwt. ; and a, per cwt. This latter was reent duty, of ern ports bringing salt fish se. from the ): it ras (chiefly Entryish, Danes, from the it it tras afterwards relaxed in fanes, and vessels from Odessa, and abandor of Salt ma

\section*{itus}
altogether as vexatious and i80 provedit re received in anddition end eactive. The each of his 2 Venetian cosncillor 2 per cent., and that the fruit, the orizinal orst iner cent.; so about \(9 s\). per cyt, stodiginal cost of which; way than 18s. or 19 s ., Even turder exporter in little less the fruit, which some winder British protections much as 30 s, or 32 s years before hait fetched n, 1832 to \(8 . s\). per cewt., was hurd., but had deelined in fisso of 4s. 4d., and a duty of with the dazio vilorem, being equidivalent toty of 6 per cent. nd to an ad valorem daty of negether, at that price, the mean time the import durly 60 per cent.! In raised, in 1829, to the enort duties in England were per cwt., whieh, at the samme luw amount of 44 s , 4 c . valorem duty of 500 per cent price, made an adi werr rapidly visible : a dentine The consequenees cult re of tho phate, as well as in the place in tho of the proprietors, whose staple exe circumst nnce. of existence were whose staple export and means prices fell, and the diutres annihilated. As the necessitous grower was obsivecaune greater, the at high intere.t from fobliged to borrow money the Jews, who were foreign nerchnats, or frovil the price at which they wountly, able to dictate A legislative enactment would take his produce. with the difficulties which it ascale commensurate was, alter much deliberation thad to grapple with by the Ionian Legislature in 183 ured and adopted the duties upon currants in 1834. It commuted 193 per cent. (since reduced to ad valorem tax of the same as that laid upen 18 per cent.), being increased, in a smanll dipon oil. The same Act kaid on the importation of the duties previously and upon foreign wition of calfec, tea, and susur, which, being elieflys, silks, and gloves-articles were more appropriately subjed by the afluent, of duty, to supply in subjected to an incrense revenne consequent in part the defalcation of rant duty. The good effects of thion of the curhave been universally admitted this ennetment currants imported into the Udmited. The duty on reduced by Sir Robert Peel, inited Kingdom was to 15 s . 9 d . per ewt. ( 15 s , +5 , 1844 , from 22 s , lid was lowered to its present rater cent.), and it The same rate of duty is levied of 7 s . in 1860 . equalising the duties advocated in the last entition of this currants, as The currant crop ef 1803 of this work. and was derived almost entirely from \(33,63,708 \mathrm{lbs}\), and Zante ; and the crop of 1866 from Cephnlonia 7,854 tons, and exceeded the 1866 in the former was 700 tons.
Salt may be obtained in considerable quantitics the latter islande, and Santa Maura, for exportation: Act of Parliament, which pred it until the late ment should let the which provided that Governthose bidders who shalt-pans in all the islands to to supply it at the lowest rer, by sealed tenders, paying at the same time rate to the consumer, Government. No export the highest price to it. In 1863, 84,560 export duty is eharged upon These statements shov were manufactured. levied upon the exportation of theavy dutics are of the islands-an objection of the staple products which, if it is to be objectionable system, and one by the peculiar circumstances all, can only be so are placed. There is no lend under which they property in the Ionion no land tax or impost on many other rude cin islands, such as exists in desirable to introduce such a and, supposing it were state of property in them, the fax, the complicated which it is held, and th, the feudal tenures under respect to it, oppose all but variety of anages with its imposition on fair and invincible obstacles to the same time, too, a large amoul prineiples. At

3 E amount of revenue is
required to meet the expenses of the general and least doulle that paid in Grecec. (Consulur \(h_{i}\) pmet local Goveruments, to maintain an efficient polies, of December 18, 1867.) and to prevent smoggling and piracy. However, we cannot help thiuking that some very material retrenchments might be mide from the expendituro; and it is to this source, more, perhnps, than to any other, that the inhabitants must look for any real or effectunl relief from their burdeus.
Under tho lritish protectorato the duties on exports from the Ionian syands were regulated by Acts glated June 8, 1835, Aprit 26, 1837, and May 29, 18.17

OIJ and currants ef ef paid is per cent, ad valorem Cephatenta Wine company \(\mathrm{Soap}_{\mathrm{Som}}^{\mathrm{Valon}}\)
Valonia
All otlicr articles

en 180., the last year for whieh account hive beent given, the export duties levied na dive wil
gave 23,7081 , on currants 80,5331 , on islun itil. No other itenn is foumili in the island wises the same yeur, the revenue was lis "xppurts, in penditure 162.233,
Tonuuge.-In the 3 years 1861-3, the tonngee entered and cleared from the islands was-enterel,
 \(574,323,555,667\), respectively. More than to per cent. of these ampunts were cettered and clearesl at Corfu. By far the largest purtion a this tonnage was of \(\mathbf{A}\) merican, i.e. United stat origin.
Trade with Eugland.-This is but of limit
Now (1867) the heavy duty of \(19 \frac{1}{2}\) per cent. nd extent, as will be seen by the suljoined tables,

Account of the Quantities of the I'rincipal Articles Imported from the Ionian Islands into the lniti Kingdom in 1861-67.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{Articles} & 1861 & 1862 & 1863 & 18f, 1 & 186.5 & \(1 \times 46\) & \\
\hline Corn, muize & cwts. & 12,991 & 3,857 & 5,973 & & & & \\
\hline Fruat, currants & - tins & 136,993 & 169,102 & 131501 & 151,2.3. 11 & 230,909
16 & 195,298 & \\
\hline Oh, olivr - & - tuns & 695 & 2,951 & 77.5 & 630 & 1,150 & 110 & \\
\hline Salunia Anticles - & - \({ }^{\text {tant }}\) & \(\begin{array}{r}80 \\ 4.281 \\ \hline\end{array}\) & 6,026 & 3, \(\begin{array}{r}104 \\ \hline 8.5\end{array}\) & 7.122 & 9, \(\overline{8} 27\) & (185 & \\
\hline Tnent value & - \(\boldsymbol{e}\) & 813,157 & 3.39, 4 ', 1 & 192.979 & 180, 259 & 276,176 & 205,6; \({ }^{\text {a }}\) & \\
\hline
\end{tabular}

Account of the Quantities and Values of the Principal Articles Exported to the Ionian 1slands fr the United Kingdom in 1863-66.


Ports.-The principal ports in the Ioninn republic are Corfu and Zante, in the islands of the samo names, and Argostoli in Cephalonia. The city and port of Corfu lie on the east side of the island, on the canal or channel between it and the opposite continent, which is here about 5 miles wide. The citadel, which projecta into the sea, is furinished with a lighthouse, 240 feet high ; the latter being in lnt. \(39^{\circ} 37^{\prime}\) N., long. \(10^{\circ} 56^{\prime} \mathrm{E}\).' The town is but indifferently built. Population about 18,000 , exclusive of the military. The fortifications were, during the British protectorate, very strong, both towards the sea and the land, but here as elsewhere in the islands they were destroyed before we gave up possession. The canal has deep water throughout: its navigation, which is a little difficult, has been much facilitated by the erection of a lighthouse on the rock of Tignoso in the northern entrance, where the channel is less than a milo in width; and by the mooring of a floating light off Point Leschimo, in the southern entrance. Ships anchor between the small island of Vido and the city, in from 12 to 17 fathoms water.
The port, or rather gulf, of Argostoli, in Cephalonia, lies on the south-west side of the
islnuel. Cnpe Aji, forming its south-westen trenity, is in lat. \(30^{\circ} 8^{\prime} 40^{\prime \prime} \mathrm{Y}\), long. \(2000^{2 y^{\prime \prime}}\) Cape San Nicolo, forming the other extremit about 43 miles from Cape Aji; and betweol within about \(1 \frac{1}{4}\) mile of the latter is the islet of Guardini, on which is a lighthowe this island the gulf stretches N. IV, 7 to 8 miles inland. The towa of drgedic on the west side of a haven on the east siled gulf formed by Point Statura. The situat low and rather unhealtly, Population sboul Its appearance and police, particulaty the were much improved duriag its ocraptio the English. There is decp water and gw chorage ground in most parts of the gult best entrance is between Cape San Siol Guardini, keeping rather more than a mile eastward of the latter, on acconnt of a ne extenda N.E. and S.W. frum it nearls the tance.

The port and city of Zante are situated eastern side of the island, ia lat. \(30^{2}+47^{\prime}\) 't \(20^{\circ} 54^{\prime} 42^{\prime \prime}\) E. The city, the lazgest Ionian Islands, exteads nloag the shore for 12 mile, but it is nowhere abore 3 PN yz brendth, except whece it ascends the hilloa

\section*{IONLAN ISLANDS}
(Consulur dipure
lieh accounts have levied on clive nil 3h., on iskand wine the exports. In \(143,13 \div / .0\) the ex

61-3, the tounage ands was-enterel, - clearad, \(\sin ^{\circ}, \mathrm{A}\) - More than th were cutered ans largest purtion o i.c. United States

3 is but of timit subjoined tables. ndls into the l'nito


Ionian Islands
eclared Real Yidur 1861
jts south-weet N., long. \(21023^{\prime}\) he other extremil jii ; aud betwees he latter, is the is a lighthouse. tehes \(N_{1}+W_{n}\) town of Argosto 1 on the east side tura. The situali Population about partieularly the ing its occopstiy ep watet and \(\overline{5 x}\) arts if the Xic nore than a mile acconat of a pe om it nearly ante are situated , in lat. \(30^{\circ} 47^{7}\) ty, the largest ong the shore for ere sbove 300 ? seceds the billo
the ciadel Is erected. Tho style of butiliding is pasi ererywhere great netior of the city disomin degree of magnificence. Po nult. cven a Witel at about 20,000 . It has Population estimasiderable utility, ot tho has a molo or jetty Widthouse is crected, and extremity of which anite the thouth-west. The a wins andior opposite the town at capacious, Lwey rarib' distance, in from is from 500 to rivinu themselves of the protection of fathous, mathe widd is from the protection of the molo

Hixis was estimated at 102 from all countrics trevports at \(930,556 /\) But a cousiden that of atheinports was not destineid a cousiderable part dibe islands, but sent thither the consumption arroieet entrepôt, being intenuled for (hecontizuons pron inces of Greees he sttply The amount of exports depends mate and Turkey. ctrmance whether tho ycar matelially on the We is, or is not, a crop of olizes ane in which swides of the eurrant crups.
Namy.-Accounts are kent in stavarish dollars and oboli, too lish moncy, \(=1\) Li \(=\) ts. \(4 d:\) : \(a\) doulloon \(=100\) oboli being Candisi
Hishat,-English weirhts kurwes mado lise of though with asures are with Italian deext , bat he following are most gencrally
Imp
Wepud peso grosso, or great weight of 12 oz Therans troy: \(9: 481 \mathrm{lls},=100 \mathrm{lbs}\). avoirdupois. Thapual peso sottile, or small weight, used for Powermals and drusg, is \(\frac{1}{3}\) lighter than the Revomis.s. \({ }^{2}\). peso sottilc corresponding to 8 C.4Names.

Inede wed in the southern islands, weighs alate grains troy, or \(\frac{7}{\mathrm{~T}} \frac{7}{1 \mathrm{lbs} . \text { avoirdupois }}\) 4 Lerat cantar, or quintal, should contain 44 Tremig
lyamplaiaj ( (1,000 lbs.), for currants in Zante, Werent. lighter tban for other articles. A- Alatinches English \(P_{i=1}=\mathrm{J}\) Tenetiag ish.
in ina icet.
\(\begin{aligned} \text { Ansi, or doths dc. } & =27^{3} \\ =25 \frac{5}{8} & \text { inches English. } \\ & \end{aligned}\)
mis measured by the misura or "1 atacile, 100 square pass being \(1 \frac{1}{8}\) mogCeabout \(\frac{3}{10}\) of aa acre English. 1 misura, apyds are measured by the wila computed day's by the zappada; 3 *riod is measured sy work) being 1 misura \$horeser, only 2 fect the square passo, quality of the wood
teis measured by
cheru of capacaity:-
he-corfu and Capity:-
Whinchester hashels. Moggio of 8 misure, pusuai: Bacile sheis.
best quality wheat. Fa Mura: Cade ort.
=ain hashels Eagd, of 8 crivelli, \(4=3 \mathrm{mog}\). ;
k: 5 Bacile \(=1\) mo
*o: Chilb, the mogrio.
Stel Engish. measure of Coustantinople,
lusel barrel=18 Paxi: 32 quartucci=1 jar,
Alois and lithaca: 18 Enlish wine gallons.
calis and litbaca: 2 quartucci \(=1\) boccal
Thinegaliona; 6 secehio \(=1\) barrcl \(=18\) te: 13 , vuartu

Maura: 22 art \(=17\) English wine gallons.
Maura: 22 quartucci \(=1\) wine gallons,
barrel \(=18\) English wine gallons.

\section*{JRON}

Cerigo: 2 agosten \(=1\) Loccia; 30 boceic \(=1{ }^{787}\) Oil 18 glish wine gallous.
Oil.-Corfiu and 6 miltri \(=1\) jar; 4 jars =1 barrel \(=18\) inci=1 1 miltro; Gallons. 1 Cephalonia: 9 pagliazzi \(=1\) barrel \(=18\) Engliah ine gallons.
17 Eante: 9 lire, or 3 jars of 46 gin. each=1 barre \(=175\) Euglish wino gallons, gin. each \(=1\) barrel Samin Maura 7 ationt
 Salt.-Centinajo, about \(4,140.3\) ". grosso.
tian pess
In compiling this articl 4 Euglisu cubic fect besinles tho works referred to we have consulted, Jisturique, Pittoresque infuse but valunble work. Wy Snint Sauseur-a in tho last volumo work. The account of Zainte particularly good. We the iii. 11. 101-278), is Voyage en (irece of Scro have nlso looked into the the Archives du Commerce 3 tomes, Paris, 1801 beforc the मinance Commerce; the lapers lidid C. Scluright's Report for cortant part of toport for 1866." But the noss , Sir portant part of the information we nost inable to lay before the reader was derived have been noseript notes obligingly communicated by mato thace, who (whelu Lord Kingr) wns by Earl
o the British Government in these was secretary HPECACUANILA (Fr. ipescoislands,
anerikanische brechwirr. ipecacumha; Ger Port. cipo de camarus ; incel; Ital. ipecuacanna cuana, raiz de oro). ipe pacuauha; Span. ipeca(Cephaëlis ipecacuanha) root of a percunial plant other parts of Sonth A Mrowing in Brazil and colour, usually denominated white It is, from its coloured, and pale-brown. wite, grey, or ashvaricty is foumd in the shons litle of the first bales frometics arc brought to the grey and bales from Rio Janeiro. brout to this country in wrinkled, variously bent and contore in sliort, which break with a resinous fracturerted picees, is about the thickness of fracture. The grey knots and deep circnlar tissures, that quill, full of down to a whitc, woody, vascular nearly reach through the heart of eq, vascular cord that runs part is compact, brittle, and picce; the external brown is smaller, more wrinkleoks smooth: the brown colour on the outsidg winkled, of a blacklsh the white is woody, and has and whitish within: entire root is inodorous ; but no wrinkles. The faint nauscous odour, and but the powder has a acrid taste. In choosing ansomewhat bitter and roots, which arc compact and bra, the larger esinous fracture, having a and break with a what semi-transpareut, a a whitish-grey, someof the cortical part, wippearance in the outside medullary fibre, are to with a pale straw-coloured virtues of the drug bhipfeferred. The medical virtues of the drug chiefly reside in the onter bark. When pounded, ipecacuanha forms onter mildest and safest emetic in the what forms the medica. Though probably employed iele materia from time immemorial, it was nloyed in America Europe till the time of Lonis XIV induced into Grenier, a French merchant Louis XIV., when one it from Spain, with merchant, brought 150 lbs of the Hôtel Dicu. Helvetius trials were made at use in dyseutery, for which first made known its ticently rewnerded him which Louis XIV. munisterling. (Thomson's Dispensatoryr of \(1,000 \mathrm{~L}\) Chemistry; British Pharmacensatory; Thomson's 51,819 Ibs., valucd at 22,937 ,
1866, and \(24,855 \mathrm{lbs}\). exported., were imported in
IRON (Danl. jern) Exported.
Ger. eisen; Ital. ferro; Lat. ferrumer Fr. fer; zclazo ; Port. ferro ; Russ, schelersum, mars; Pol. 3 ER 2 elese ; Span. hierro;
 deed ; Pers. ahuin). The most abumdant and most useful of all the metals. It is of blaish white colour; and, when polished, has a great doal oi brillinucy. It has a styptic taste, and emits a smell when rubbed. lis hardness exceeds that of most other motals; and it may be rendered harder than most bodtes by hring conserted into steel. Its speritic gravity varies from \(7 \cdot 6\) to \(7 \cdot 8\). It is attracted liy tho magnet or loadstone, and is itself the sulstance which constitutes tho loadstone. But when iron is perfectly pure, it retums the mannetic virtue for a very short time. It is malleable in every temperatioc, and its malleability increases in proportion as the temperature ungments; bit it cannot he hammered out nearly as thin as goll or silver, or even as copper. Its ductility is, howerer, moro perfect; for it may be drawn out into wire as tine at least ast a hummen hair. Its tenacity is such, that an iron wire 0.078 of an inch in diameter is capable of supporting 549.25 lts. avoirdupois without breaking.

Ihstorical Notice.-Iron, thongh the most common, is the most diflicult of all the metats to obtain ill n state fit for use; and the discovery of the metbod of working it seems to have been posterior to the use of gold, silver, and copper. We are wholly ignorant of the steps by which men were led to practise the processes required to fuse it and render it malleable. It is certain, however, thant it was prepared in aneient Eaypt, and some other countries, ut a very remote epoch; but it was very little used in Girence till nfter the Trujan war. (See the ndminale work of M. (ioguct on tho Origin of Latw, Arts \&c., vol. i. j. 140.)

Species of Iron.-There are many varietics of iron which artists distinguish by particular names; but all of them may be reduced under one or other of the 3 following classes: cast or pig iron, zorought or soft iron, nud steel.
1. Cast or pig iron is tho name given to this metal when tirst extrated from its ores. The ores from which iron is nsually obtained are composed of oxide of iron and clav. The ohject of the mannfacturer is to reduce the oxide to the metallic state, and to scparate all the clay with which it is combined. I'his is effected by a peculiar process; and the iron, being exposed to a strong heat in furnaees, and melted, runs out into moulds prepared for its reeeption, and obtains the name of cast or pig iron.

The cast iron thas obtained is distinguished by manufacturers into different varieties, from its colour and other qualities. Of these the following are the most remarkable:-
a. White cast iron, which is extremely hard and brittle, and appears to be composerl of a congeries of small crystals. It can neither be filed, bored, nor bent, and is very apt to break when suddenly heated or cooled.
b. Grey or mottled cast iron, so called from the inequality of its colour. Its texture is granulated. It is much softer and less brittle than the last variety; and may be cut, bored, and turned on the Jathe. Cansons are made of it.
c. Black east iron is the most unequal in its texture, the most fusible, and least cohesive, of the three.
2. Wrought or suft iron is prepared from cast iron by a process termed a relinement or innery. The wrought iron manufactured in Sweden is reckoned the finest in the world.
3. Steel consists of pieces of wrought iron hardened by a peeuliar process. The Swedish iron imported into this country is mostly used in
the monnfacture of stecl. [Strima..] (Thomsoni,
Chemistry.) Chemistry.)
Uses of lron.-To emmmerate the various nise of iron would refuire a leusthened dissert itmaty No one who retlect.s for a moment on the sultia. cao doubt that its diseovery mol emphymatit in
the shape of tools nod engines bave byan the shape of tools and engines bave been of the
utmost importance to man, and utmost importanee to man, and have done man perbaps, than anything else, to aceilerate ndvance in the eareer of improvement. I. bas the following strikiug olservations on thit sulbect: 'Of what consequence the divorery one natural boly, and its propertics, may hi to human lift, the whole great continent of imeris is a convineing instance: whose imparater useful arts, and want of the greatest part if the convoniences of life, in as comntry that alonamed with n'! sorts of natural plenty, I think marle
uttributed to their ionorance of whe attributed to their ignorance of what way tio found in a very ordinary despicable stume-1 menn the mineral of iron. Aud whatever think of our parts or improvements in this gart of the world, where knowledse and plentry sem vie with each other, yet, to anyone that wi serionsly retlect upon it, I suppose it will aypar past doult, that, were the use of iron list amme us, we should in a few ages be unastidnoly rednced to the wants and ignorance of the ancien savare Amerienns, whose nat ural codownent ar provisions came no way short of those of the nuet flourishing and polite mations; so that he who fit made use of that one contemptible mineral may truly styled the father of arts and author of plenty (Eissay on the Understanding, book is. c. 12.) Man'ffacture of Iron in Great Britain,-1I are ignorant of the period when iron began 6 l made in England, but there is authentic eridens to show that iron works were established buth Romans in the Forest of Dean, in Gloucesterbing and in other parts of the kiugdom. (lennasi Wales, ed. 1810, vol. i. p. S9.) They were is established, ut an enrly period, in Kent an Sussex; these counties being well suppleid, od only with iron ore, but (which was at the tiwe etill grenter importanec) with timber, the ofly species of fuel that was then used in the furones It is to this latter circumstance that the st increase in the production of iron in Englan during a lengthened period, is to be ascate Complaints were very enrly mate of the desto tion of timber by the iron works; and in reign of Elizabeth, when an uansual demand timber for the navy, and for merchant veeo also, took place, the decrense of timber exitad great deal of attention. At length, in 1581, Act was passed prohibiting the manufacturea iron from using any but small wood, and fry establishing any new works anywhere within miles of the city of London, and 14 miles of river Thames, and in several parts of Sus specified in the Act. Soon after this, Entry Lord Dudley, invented a process for smeltignt ore witlı pit-coal instead of timber; and it diflicult to point out many inventions that by been so advantareous. The pateat which lordship obtained in \(\mathbf{1 6 1 9}\) was exmmpted fang -agration of the Act of 1623 (21 Jas. L.c. tting aside monupolies; but though, in consequences, it has proved of immenge rater the country, the works of the inventor " destroyed by an ignorant rabble, and he wsir nigh ruined by his effurts to introduce perfect his process. (Report of Committe, House of Commons on Patents, p. 168 del) invention seems, in consequence, to have leead many years almost forgotten. The compluint the destruction of timber continued; so mudh made of the detry works; and in unusual demani for merchant vers c of timber exim t length, in 1281 , the manulaeturetr mall wood, and anywhere sinin and 14 miles of cral parts of Sc cral parts this. Edru acces for smelting occss for smeethro of timber; and inventions the The patent phich as ex mpted inus 623 (21 Jas. ; but though is of immenge ra \(f\) the inventot wis abble, and he wa rts to introdace port of Conmittel enta, p. 168 dc.) uence, to have bee con. Tinued; so much
that in \(163 \%\), the exportation of iron without linnse was prohibited, nind fresh restrictions wero lud on the felling of timber. Ihat the evil could Lud a at oc abal pun of last century, complaints of the destruction dimber by the iron works becnme more preva knit than ever, and their total suppression began te entemplated as a lesser evil than the Whideruse of the stock of timber. At thisperiod more than 3 of the iron made use of nus iaported, and the condition of the manusaute was most uuprosperons. But the growing suitg and hith prize of timber, conpled witl tinemasing ilemard for iron, ut last succeeded blang the attention of some iuscuious ' of ans ingenons remas to Lord Dudley's process; and, about (if) iton was made at Colebrook Dale, and one etfoo oller places, by means of pit-coal, of about a mool a quality as that made with timber. Fom this period the business steadily increased: * firt howerer, its progress was comparatively Lor, abi the furnaces of Kent and Sussex were wo whully relinquished for more than 30 years then ra began to be largely produced by means dit-cal. The great demand ior iron occasioned br the late war, and the obstacles which it threw bithe way of supplics from abroud, gave the first enrondionty stimulus to the manufacture, which ba som become of vast importance and great rabe la lite the quantity of pig iron made in Endand and Wales amounted to nbout 17,000 tons praduced by 59 furnaces. Since this epoch the iecrase is believed to have been nearly as Whans; riz: In 1750, 22,000 tons; in 1788, \((8,1, y)\) tes, producel by 85 furnaces; in 1796, 12:000 tens, produced by 121 furnaces; in 1806 ,
 (6) bbuat 100,000 tons vere produced but there mo acount of the number of furnaces.
The author attributes this chiefly to the rewora of the trade to the coal country.
The ion trale is now one of the greatest mances of industry carried on in the nurthern ywina of the United Kingdom. It is chictly xached to the western counties, the grent ridaity of the smelting furnaces and malleable rodebing in Lanark aad Ayr. Glasgow is its potralmart.
Xitribstanding its present magnitude, the reting and manufacture of iron in Scotland are fref eecent origin. So late as 1830 there were dritblas funaces in Scotland, the produce of Wh scarely reached 40,000 tons. In 1867 ere were i12 in blast, producing \(1,031,000\) dool ig iron, which, at the average price for (reas (which was unusually low), represents a tor of \(3,051,337 \mathrm{l}\).
Tith the exception of a smnll work at Wilson Wh, which was unsuccessfully attempted there tmewhat remote pcriod, almost nothing was us in Scotland in the manufacture of malleable till 1839, and even so late as 1842 the produce rot exceed 35,000 tons. During tho year 4 horever, the production of malleable iron bed 122,400 tons; and taking the average of all sorts, including plates for shipbuilding, rebeea 101. per ton, the gross amount of the doee would be \(1,224,1001\). The number of emplored in this brancte was about 4,000 , the tate of wages paid about 18 s . In 1858 wha a falling off in the production.
thincrease in the interval has been, if possible, greater than that exhibited above. And in of this we have merely to direct the reader's tion to the following, compiled from returns thed by Mr. Hunt, Keeper of Mining Recerds, -thest authority on such subjects.

Number of Iron Furnaces and Make of l'ig Iron in Creat Bri min in 1867.
\begin{tabular}{|c|c|c|c|c|}
\hline Countics & \[
\left|\begin{array}{c}
\text { No. or } \\
\text { lymn } \\
\text { Worts } \\
\text { Activa }
\end{array}\right|
\] & No. of Furnares 1hatrict & No. of Furnaces In hidat & Tons or Jind Jun Rroduced \\
\hline \begin{tabular}{l}
Einaland \\
Northomberland
\end{tabular} & 1 & 19 & 3 & \\
\hline Norhamberiana & 11 & 11 & \(3{ }^{3}\) & 477.0315 \\
\hline North liding & 14 & 67 & 505 & 6, 40,802 \\
\hline Ware lidiugs & 12 & \(3{ }^{6}\) & 25 &  \\
\hline lerby \({ }^{\text {bilro - }}\) & 11 & 43 & 30 & 1600.048 \\
\hline Cumbashire & 3 & \% 18 & 1983 & 31.808 \\
\hline Cumberland : & 11 & 188189 & \({ }_{42}^{43-5}\) & 10.0, \({ }^{10,39}\) \\
\hline North Minifirdshire & 6 & 3.15 & 2.1 & 214, \(12 \times 2\) \\
\hline Kouth Stailiardshiure & 4) & 177 & 915 & 315,0,3x \\
\hline Nurthamptonslitre & 4 & 9 & 3 &  \\
\hline dincoinslite \({ }^{\text {dio }}\) & 3 & 6 & 5 & -5,579 \\
\hline Wioucusterthire & 3 & 11 & & \\
\hline Whithire
Somrretahire & 1 & 4 & \(3\}\) & -1,186 \\
\hline Total & 138 & 550 & 35135 & 2, 510, 116 \\
\hline Watia & & & & \\
\hline North Wales:lhenlughishiro & 3 & 9 & 5 & 32,44 \\
\hline South Woler:- & & & & 32,84.3 \\
\hline Anthracite Furnaces & 1 & 25 & 11 &  \\
\hline Glumbrganshire & 1 & 76 & & \\
\hline Hirecknocknthire Aonnouthiblre & 14 & 115 & \(3{ }^{3}\) & 49,118
412,43 \\
\hline Total & 33 & 196 & 1211 & \({ }_{9} 14,00^{\prime} 7\) \\
\hline Scotiano & & & & \\
\hline Ayrhlire & 8 & 45 & 34 & \\
\hline Linnarkshlre : & 14 & \({ }_{13} 96\) & \({ }^{6}\) & \\
\hline Linluthgowahire & 3 & 13 & 4 & \\
\hline Stirlinghlre. & 2 & 7 & 5 & \\
\hline Hadtingtomhlre & 1 & 1 & 1 & \\
\hline Argyleshire - & 1 & 1 & 0 & \\
\hline Total & 30 & 167 & \(11 \times\) & 1,131,100 \\
\hline Grand Total & \(203^{-}\) & 913 & 563.36 & 4,i61,012.5 \\
\hline
\end{tabular}

This quantity, estimated at the menn average cost at the place of production, would have a value of \(11,902,5571\).

According to Thom's Almanac for 1868, the produce in 1866 of the iron mines in Ireland was 25,225 tons of ore, valued at 5,3131 . It is alded that considerable quantities of blackband ironstone are now shipped from Belfast to Scotland, and that 112,686 tons of iron pyrites, value \(59,0361\). , were obtnined in 1866 from the mines of Wicklow.
This astonishing increase has been owing to a great variety of cuuses, nmong the more prominent of which may be specitied the greater chenpness of iron, and its consequent application to a great many purposes, including the eonstruction of various deseriptions of agricultural implements, pipes for the conveyance of water, and the building of ships, for wlich it was not formerly supposed to be applicable. Unquestionably, however, the unprecedented demand of iron for railvays in this country, and in the United States and the Continent, has given the most powerful stimulus to the manulacture; and, if only half the railway projects on foot in 1847 had been executed, the production of the iron, vast as it has been, would have been quite inadequate to supply the demand.

It will readily occur to the reader that a domand for iron for ralways, depending as the formation of the latter does on many varying circumstances, must necessnrily be both capricious and fluctuating; and hence it is not really possible to infer from the state of the iron trade at any given period what may be its state a few months after. In 1842 and 1843 the price of pig iron had sunk from \(2 l\). to \(2 l .10\) s. per ton, aud the manufacturers in the least favoured districts were involved in the greatest difficultics. But subsequently the price of iron doubled or trebled; and though it has again receded, larger fortunes have been made in this than in any other department of industry. Similar mutations will,
donhtless，take place in future．On the whole，required for the conversion if nig iron inpolinr the fuir presumption seems to be that the mann－iron，it follows that a supply of no fewer than
factare will fo on incrasing for an indetinite period．The nses to which iron may be applied seatil to be ull but infinito；and every fall of its price stimulates invention and introdaces it into new elamucls．Most probably，indeed，the works situated in the least favoured distriets，or those where iron is profuced at the greatest expense， will，in the course of time，have to the abamdoned． This，however，is merely a local and aceidental grievonce，and can in nowiso affect the general well－tieing of the business．
I＇lie employment of the hot－blast，or of air heated to a high temperature，insteat of common atmospherie air，in the working of furnaces，has been one of the greatest improvements in the momufueture，and has at once redined the eost of prodnction and inereased the quantity．It was first used in Lanarishite，in Scotland，nud has been one of the principal canses of the extraordinary extension of the trule in that part of the empire， where it is now universally made use of，

Trakiur the nnnutal produce of pig iron in the United Kingelon at \(5,000,000\) tons，and supnosing that about 3 tons of cond are required for the pro－
duction of each tou of iron，the consumption of coal in this braneh of the iron trade will，on this hypothesis，amomet to \(15,000,000\) tons a－year；and ailding to this quantity \(6,000,000\) tons for the conl；to its value；making it worth in ail abo

Account of the cliffercut Descriptions of Iron（including Unwrought Stec）Exportcd from the \(L_{\text {nita }}\) Kingdom during 1866，specifying the Quantities sent to the different Countries．
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Countries & \[
\left\lvert\, \begin{gathered}
\text { Pig and } \\
1^{2} \text { whled }
\end{gathered}\right.
\] & Bar & Pols， lloi， Angla & \[
\left\lvert\, \begin{gathered}
\text { Raily } \\
\text { Rand } \\
\text { Railway }
\end{gathered}\right.
\] & \[
\left|\begin{array}{c}
\text { Cast- } \\
\text { Ingi } \\
\text { and } \\
\text { Hollow } \\
\text { Ware }
\end{array}\right|
\] & Anchora， Moaply， Boiler Piatet， Chaina & Wira & Nalls &  &  &  \\
\hline & & \({ }_{\text {tans }}\) & \({ }_{4}{ }_{4}{ }^{\text {an }}\) & tons & tons & \％ons & tons & tons & tons & tond & \[
\begin{gathered}
\text { lons } \\
465
\end{gathered}
\] \\
\hline Rusria & 10,979
3,629 & 6，013 & & 5 5 ，4， 60 & 8，599 & 4，156 & & 1，026 & 3，687 & \({ }_{8}^{1,460}\) &  \\
\hline Norway & 3， \(\mathrm{N} \mathrm{\times 9}\) & 3，024 & 438 & & 1，877 & 2，530 & 86 & & & 289 & \\
\hline Wermmork & 10，474 & 3，261 & 351 & － & 8893 & 3，260 & － & & 217 & 335 & 3 \\
\hline Hanaver \({ }^{\text {Pravin }}\) & 2， 2,183 & & ：90 & 15，076 & － & 1，903 & & & 742 & 421 & \\
\hline Mreklauburg and Oidenburg & 39－ & 1.095 & － & & & & & & & & \\
\hline Harce Towns & 32，756 & 7，089 & & 760 & 1，611 & 3，959 & 270 & 103 & 10069 & 1，500 & \\
\hline Holiand ： & 69,403
3 3， & 5 5，305 & 433 & 5，3，31 & 4.9106 & 8，03！ & 3016
680
680 & 219 & 1，610 & （1，888 9 & \\
\hline belgitun
Franca & 121，5\％9 & 2，792 & & 9.2 & 1，314 & 2， 740 & 241 & 219 & 2，756 & 1，987 & \\
\hline Portukat，Azorea，and Mataira & － 07 & 6，3\％1 & 2，203 & & & 3，129 & \％ & － & 3 & 13 & \％ 63 \\
\hline Spain and tanariey & & & & 18. & 3，372 & 3，457 & 1，005 & & & & \\
\hline Italy ：Nardinlan States & 10 ny0 & 4，989 & 1，116 & 4，012 & 5，561 & 3，264 & － & 二 & 610 & － & － \\
\hline \(\xrightarrow[\text { Tusenny }]{\text { Napte and sicity }}\) & 三 & 12，070 & 811 & 310 & 1，038 & 3，1．66 & & & 212 & & \\
\hline Austrian Pertitaties－ & － & 1，46： & － & & － & 769 & & & － & － & \\
\hline Grume－ & － & 1，415 & & & & 4.35 & － & 151 & 81 & & 20 \\
\hline  & － & \％， & 1，340 & 3，570 & 798
663 & bus & & 151 & 81 & & （6t \\
\hline Eigypt & － & 3.1411 & － & 75，711 & 3，561 & 961 & － & 198 & 17 & & 90 \\
\hline Java & － & 1，35．3 & & － & 二 & 316 & & & 51 & － & \(=\) \\
\hline China（excluling long．Kong） &  & \(\overline{2116}\) & 3，907 & & & & & & & & \\
\hline Japan & － & 3，5i3 & 7 & 5，078 & 2，875 & 2，593 & － & 50 & & 159 & E． \\
\hline St．Thnmas & － & & 727 & & － & 509 & － & 28 & & & \\
\hline Uniterl ntates： & 87，052 & 52，295 & 7，583 & 6，3，786 & 832 & 2R，985 & 3， 3 ， 59 & 196 & 21，97\％ & \({ }_{6}^{675}\) & \(\square\) \\
\hline South Atlinic l＇urta & 6，513 & 2，788 & 8： & \(411,2 \% 3\) & 630 & 4，\(\times 23\) & \({ }^{3} 3\) & 行 & 666 & & \\
\hline Praeific l＇orts & 3，335 & 6,109
1,659 & 1 & 1，2， & 1192 & 4，077 & 140 & 79 & 797 & 431 & 5 \\
\hline Mexico & & 1，632 & 5.5 & 3，907 & 2，801 & 2，198 & & 497 & 142 & 2 s & 45 \\
\hline Mratil & & 3.455 & 436 & & 2， 85 & 1，296 & & & － & 100 & \％ 20 \\
\hline Arkentine Confetcration & & 4，737 & － & 13，054 & 1，019 & 3，550 & 711 & 183 & T 181 & 1.1 & \\
\hline 1 hill ： & － & 1,636
1,452 & － & 4，165 & \(\overline{603}\) & － & － & & & 99 & \({ }^{1}\) \\
\hline Channel Islands & － & ， & － & － & － & 161 & & 111 & & 91 & \\
\hline Giimaitar－ & － & & － & \(\cdots\) & － & 7.58 & & － & & & － \\
\hline Mata tava & ＝ & 1，535 & － & － & － & & & － & － & － & 14 \\
\hline Ionian I Janis
South A frica & & － & － & － & & & － & & & \(6{ }^{\text {a }}\) & 17 \\
\hline Mauritius－ & － & － & － & － & 1，520 & － & & & & & \\
\hline Bresish India；
Hombay and Scinde & & 16，780 & 2，828 & 56，315 & 4，4．9 & 5，761 & 683 & 689 & 359 & 153 & （1） \\
\hline \(\underset{\text { Prailens }}{\text { Hombay }}\) and Scinde & & 7，369 & 3.50 & 12， 1108 & 918 & 7 NI & 2113 & － 89 & \({ }_{5}^{538}\) & 129 & i， \(0^{\text {d }}\) \\
\hline Hengal snd Yegu & － & 10.706 & 1， k 71 & 65，179 & 4，056 & \(\begin{array}{r}5,619 \\ \hline 242 \\ \hline\end{array}\) & 46 & 498 & 33 & & 159
96 \\
\hline \％traits Setthement & － & 2,174
1,107 & 1，260 & 二 & & 56.3 & & & 88 & & 210 \\
\hline  & & 1，107 & 2，803 & & & 1，131 & 92 & & 81 & 10 & 2919 \\
\hline Honfr Kong & 7，019 & 12，951 & & 20.100 & 7，062 & 3，809 & 10，196 & 1．1． 646 & 2,515 & 9x & \％ \\
\hline Hritish North America & 36， 02 & 24，510 & 690 & 23，683 & 3，\({ }_{6}, 5.56\) & 16，749 & 1，163 & 2，646 & 2, & & ， 114 \\
\hline Britinh Wett Indies and Guiana & 25 143 & 13，56，7 & 4，03． & 25，172 & 2.567
9.681 & 16,12
16,95 & 4，595 & 1，884 & 2， 065 & 1．818 & 1，100 \\
\hline Other countries Total－ & 500， 5 & 1． 68 & 35，496 & प9x．0\％ & \(\overline{6,401}\) & 1，3．510 & 42，5， 3 & 15，4．32 & 14,600 & 17，535 & \\
\hline
\end{tabular}

Perbans in reent on the di tut bas taken I reage，articics Covo 30 to \(\overline{75} \mathrm{po}\) uip be safely ＊oult bare been IRar．Hoon unt：Ft．bis is 4 ypacis of hoon conat of its co its beigy remark Wry pripipally
sme parts of RINGLAS of pras，hed de poibiss， tat of the anin repartion of wh floret hinds of \(t\) th that fall inito stacmed the best；
sighlas 28 also pry
whel，though not Wed in little not feetber like the rig
be，it is of a is dri
t．It white It disalyes \(r\)
westensively in coning silk，maly in

The duty
sig iron ines lat fo fewer that innually requite try! And benee ion of cond in the imes as perat s!
neity of iran pro pHor cast inth Great Britain an - irim, howes... tons, sent princi States, Il ollan rica, The residn lecing formed inte ports of bar isen is ; and during the ris of roa rowehed \(93 \cdot 1\) tons ! which, as ards of \(10,000,1001\). in fact, amount, is 67 to \(15,126,914\). ty of pig iroa po. nount to 5,000, , in \(^{2}\) at an average, 31,4 j,0000,000.; and the n forming the ; ito bars, bolts, Ins it \(5,000,0000\), a orth in all at

\section*{tel from the} Countries.


Ancund of the Number of Furnacen, and of the
Britain in 18.25, 18.10 , and 1848 . Iron in Tons produced in
inn is to the ha we recollect that wrough is to the manafacture of beer, and leather nanlt dhose, we shall be sative, nad leather to that mount importance in the satisited aliko of its parasoute of employment and of public a most prolifle from exteasive enquiries mule whith.
ard others connected with the iron tradernent fionoing statements lave the iron trade, the whitin the districts in whieh on defluced, which mbe of furmaces, aud the iron Whs made, the have in 18\%5, 1840, and 18.48
Privisly to \(18 \% 5\), the inp wall varied from 23,000 to 25,000 foreigu iron 3ur a that epoch the duties ou foreitus a-year wom iron in bars) were on foregnitron ( 20 s , as soce been an increase in ealed; and there swelibh bar iron, which ise in the imports of for hein? made into steel. Our imports fitted mamathrign iron amounted in imports of mis masiatio 1866 to 61178 ted in 1867 to 71,702 manentured ine \(1 / 8\) tons; while of wrought wer 1807. In 1866, 51,533 , and in 1867 Pethaps ia nothing came from Sweden.
greet os the diminutions of tho fall of price, consegreat os the diminution of the cost of production, mass takea place since the peace of 1815 , becu ware conspicuous than in hardware. reate, articles of hardware are at present (t an Irom 50 to 70 per cent. lower than in \(18^{\circ} 00\) itrube safely affirmed that there are wory fow dexptia roudbare been so ads in weon sall of price HRO.HOOD (Ger
wat; Fr. bois de fer; ltol legno ;uteh, yserdo hieno: Lat, sideroxyl legno di ferro; Span. d spacies of waod of a redidi, lignum ferrenm). roont of its corroding as that cast, so cnlled on wa soigg remarkably hard and ponderous-even aro than cbony. The tree which produces it memise very in the West India Islands, and
sme parta of common in South America, and SINGLASS Asia, especially about Siam. ANolle de poisson, carlock (Geniblase, hausblas Pus hlei rübuii, karluk) ; Ital. cola di pesce; nesi of the animal plues One of the purest and repation of which is almost is a product the is made of the nir-lmost peculiar to Russia. Gerent hinds of fio nir-bladders and sounds of vers that fall into the North are found in the large al prepred from the sturgeon the Caspian. Giemed tue best ; next to that the is generally ingioss is also prepared fo that the beluga; but atet, though pret so sod from sterlets, shad, and Ned in little ringlets; tho The best is usually sether like the leares of second sort is laid vamen gort is dried without a book; and the It disolves reoliour, semi-transparent and dertensively in readily in boiling water, and ind traigg sill, making cookery. It is also used for to. The duty on sticking-plaster, chemiona The duty on isingloss, whic, chemieal
pealed in tur 47 s. Gil. per cwt., was wholly re were respectively In I iniz the imports and export wrice respectively 2,732 ewt. and 122 ewt. Thice varies from 16l, 3s, to 4.1l. Itis. pert. The Thomson's Chemistry; British Phes, per cevt ooke's View ut'Russiur, 2nd ed. iii. 3413 ( SLE OF NAN. [Man, Inth. OH3 de.) TRALY. [Flohenca; Ghen of.] Ventce; \&c. Flohencle; Genoa; Naplefa;
1 VORY. The name given to the teeth or tusk of the elepliant, and of the walrus or sea-horse Theso are lioplownt como to maturity has 2 tursks rariou, sizes, lew at the root, taperiug, and of the animal. Colour as principally on the age of ish, and sometimes extermally yellowish, brownbest are larire stra dark, internally white. The ont flaws; not very hollow int-coloured, with olid and thick. The host int the stump, but Africa, being of a closer tost esteemed come from to turn yellow, than ther texture, and less lunble
The trade in London the from the East Indies.
First sort, weighing thus divide them:sort, weighing 56 los. to 60 bss or upwards; second ing 381 lss to 56 lbs ; 1060 lbs ; third sort, weigh to 37 lbs ; tlith sort weighing 18 , weighing 28 lbs
All under 18 lbs , weighing 18 lbs to 27 lbs
the least value. In purched scrivelloes, and are nf those that are very crooked holl elephants' teeth the ends, or cracked and, hollow, and broken at should be rejected; and decayed in the inside nuy other substanco has note taken that lead or hollow. The freight is rated been poured into the ton. Milburn's Orient. rated at 16 cwt. to the Aupply of Ivory- Mrient. Com.)
teeth amounted in 1867 imports of elephants' medium weirht of 1067 to 10,343 ert. The 60 lb. ., so that the tusk may be taken at about taken at 19,300 tusks; a fation of 1867 may be destruction of at lens; a fact which presumes the Ocensionally tusks ara,000 male elephnats \&e.! last in this way beine necidentally broken, one a good many are also replaced by a new one that have died in the obtained from elephants more are the produce of the way; and some sufficiently certain, the the walrus. Still it is mentioned sources is not the supply from the last quantity of ivory requiral very large; and if to the ndd that required for the for Great Britain, we Europe, Amerien, for the other countries of elephunts Ameriea, and Asia, the slaughter of elephants must, after every rensonable dedur of is made, appenr immense reasonable deduction as this destruetion falls only is less foundation than might at first be supposed or the suryrise that has sometimes been expposed that the breed of this noble nnimal been expressed more d:minished. The westernimal han not been of Africa, the Cape of Good 11 and eistern cuasts and the countries to theod Hope, Ceylon, India, Malacca, are the great eastward of tha Straits of ivory are derived. The mpports frem :upplies of Africa into Great Britain inports from Western 2,078 ewt. ; "he East Coust in 1806 amounted to ,078 ewt. ; :He East Coast furnished 1,024 ewt.;

\section*{JETTISON}

ELypt \(3,628 \mathrm{cwt}\); the Cape \&e. 520 cwl ; and India 1,552 ewt. The Chinese market is principally supplied with ivory from Malacca, Siam, and Sumatrn. Of that expo ced from Zanzibar the varions kinds are babrlian, or that intended for export to Eugland or America; Bombay ivory. comprising all that is not suitable for other markets; Cutch ivory, for armlets, bangles \&c.; and scrivelloes or small ivory, for billiard balls \&c.
The chief consumption of ivory in Eogland is in the manufacture of handles for knives; but it is also extensively used in the manufasture of musical and mathematical instruments, chessmen, billiard bells, plates for miniatures, toys \&c. Ivory articles are said to be manufactured to a greater extent, and with better success, at Dieppe than in any other place in Europe. But the preparation of this beautiful material is much better understood by the Chinese than by any other poople. No European artist has hitherto succeeded in cutting concentric balls after the manner of th. Chinese; and their boxes, chessmen, and otber ivory articies, are far superior to any that are to be met with anywhere else.
The following are the duties levied at the port of Zauzibar on ivory. Ivory from the coast, viz. from Kuliva, \(S^{2}\) dols. 50 cents per
frazil of 35 lbs avoir, \(;\) from Unvamwouri, \(n\) hot Ivory from tho last place, according as berugh by Arabs or natives, 12 to 15 dols. 'the dury on otber ivories varies, according to the place : production, from 2 dols, to 8 dols, 50 ceats per frazil
Mistorical Notice.- It is a curious fact that the people of all Asiatic countries in which the clephant is found have always had the arc of taming the animal and applying it to uscful purposes, but that no such art has ever been possessed by any
native African nation. Is this owing native African nation. Is this owing to any difference hetween tho Asiatic and Africen elephants, or to the inferior sagacity of the African people? We incline to think that the latter is the true hypothesis. Alexander the Great is believed to liave been the first Europea: who employed elephants in war. It appears prette certain that the rlephants made use of by th Carthaginians were nostly, if not wholly, brough from India; and that they were managed b Indian leaders. Some of the latter were captured by the Romans, in the great victory gained b Metellus aver Asdrubal. (See, on this curion subject, two very learned and valuable notes it the Ancient Universal History, 8vo. ed. vol. spil p. 429, and p. 549. Buffon's article ' 0 m : Elephant' is a splendid piece of composition.)

JAGGERY. [SUGARE]
JALAP or JALOP (Ger. jalapp; F.. jalap; Itsl. sciarappa; Epan. jalapa). The root of Ipomara jalapa, Pentandria monogynia, intural order Convolvalacea, so named from Xnlapa, in Mexico, whence we chiefly import it. The root, when brought to this country, is in thin transverse slices, solid, hard, weighty, of a brownish colour on the outside, and internally of a yellowish-grey, with dark brown circular strix. 'The hardest and darkest coloured is the best; that which is light spongy, and palc-coloured, should be rejected The odour of jalap, especially when in powder, is very chrracteristic. Its taste is exceedingly nauseous, accompanied by a sweetish bitterness. (Lewis's Mat. Med.; Brande's Pharmacy; British Pharmacopceia, 1867.) Jalap is adulterated with various roots of a similar appearance and botanical character. For these adulterations sec Pereira's Materia Medica, and Ward and Bache's United States Dispensatory. The imports of jalap amounted in 1866 to 125,896 lbs., the average price of which was \(3 s\). I1d. per 1 lb .
JAMAICA PEPPER. [Pimento.]
JAPAN. [Nagasaki.]
JAPANNED WARES (Ger. japanische ware; Dutch, japansch lakwerk; Fr. marchandises de Japon). Articles of every description, such as tea-trays, clock-dials, candlesticks, suuff-boxes \& c., covered n th coats of japan, whether plair or embellished with painting or gilding. Birmingliam is the grand staple of this manufncture, waich is there carried on to a great extent. Pontypool, in Monmoutbshire, was formerly famous for japanning ; but it is at present continued there on ? very amall scale only. It is prosecuted with spirit and success at Eitston and Wolverhampton.
For information as to the history, extent, and character of the trade in japanned wares, sce Birminghain and the Hardware District, 1865. In 1867 we imported 350 cwt. of japanned or
lacquered ware, valued at \(5,928 l\), and erport 51 cwt., valued at \(860 l\).
JASPER (Ger, jaspiss ; Dutch. jaspis; Fr. i Ital. diaspro; Span. jaspe; Juss. jaschma). Th stone is an ingredient in the compcaition of man mountains. It occurs usually ia large amorpher masses, sometimes in round or angular pieces: frasture is concholual ; specific pravity from? 2.7. Its colours are vrious: when heated itd not decrepitate: it is usually divided into species, denominated Egyptian jaspet, striped ribbon jasper, porcelain jasper, ard commonjar It is sometimes employed in the formation scals, and in mosaic work \&c. (limaanel on Pr cious Stones.)
JERSEY. [GuEnvsey.]
JET or PITCII COAL (Dutch, git, zus barnsteen ; Fr. jais, jayet; Ger. gagat; ltal. mad lustrino ; Lat. gagus, gagates). Uf a blach relt colour; occurs massive, in plates; sometimes the shape of branches of trees, but without regular woody texture. Intemal lustre shuii resinous, soft, rather brittle, easily fraugible, cific gravity \(1 \cdot 3\). It is used sor fuel, and making yessels and snuff-boxes. In Prusia is called black amber, and is cut into wsaries necklaces. It is distiaguished by its brilling and conchoidal fracture. (Thomson's Chemint
JETSAM. [Flotsam.]
JETTISON. The act of casting over goods order to aave ship and cargo. [Average] ol der to justify jettison. it musi hive bean mior to by those who act through fear of perish. wo ne suffit pas qu'on ait fait jet, il faut quion été force par le crainte de perrir. - E'mériyon: ' The old sea laws,' says Mr. Amauld, 'w.t quaint precaution, lay down in solems palia and detail certain powers to be obscred by captain in the storm, before proceeding to \(m\) any aacrifice for the general seffty. But the comment upon such prescription of ceremoni celebration in the preseace of impenüng ?

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The be'st crea by E roeph Antoi naed by four At rightfall, ming nipged and aight irift, and ch mireed, snd wetr. This \(j\) mod for the s: rabed to be cIt 88.41 ; Gools jettise way be rec JHELLER be chief sest be chief seat ner, the Jatter bindoi wark. I was of Birming Wr. Wrisht, mor la that toma, 'I srge aumber of \(s\) men. Mr. Wrig esosis to cath of \(t\) lait depend or mingham Ih calmated to an malr, and the HíN
Theexperts of je Tood \(154,586 \%\).
pits rese chiefl imports cane fr hiulom and the (i5.)
CHLCOLLEA tos \(30 \& 31\) maknt Shipping It the folloring is net to medicine
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matimes snd diftent ships prare or sanet ory instructions la arpacrs of e the linited Kiad the same shall p dooard such shi madical stores in ipprapriate to the 6. the said book Nottining instrac In ime or leme
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\section*{JEWELLERY}

Wouti, 3 dobs gr as bought s. The duty the place of ents per frazil. fnct that the h the clephant of toming the purposes, but ssessed by any owing to any and African gacity of the think that the Alexander the e first Europesa It appears jrett use of by the wholly, brought re managed by er were captures ictory gained by on this cutions ;aluable notes is 8vo. ed. rol, xrii article ' \(0 n\) :he composition.)

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ch. jaspis; Fr.jur uss. jaschma). Th composition of masis \(y\) in large amopha r ancular pueces: ic gravity from: when beated itdo ally divided into an jasper, striped , ard commonjas in the formation (limazuel \(O_{n} P\)
(Dutch, git, 20 us gagat; lal. \(\operatorname{mat}\) ). Ol' a black rel plates; sometimes rees, but without recs, easily frat gible, 5 sed sor fuel, and oxes. In Prusia cut into posaries hed by its brillia 'homson's Chenist
casting over gow 0. [AYERAOE.] sh have beci fear of perish.us, et, il fant quon r, -Emérigot II. Amauld, in solemn patire in solcmn podar proceeding to \(m\) sefaty, But the tion of ceremonip of impening!
beopreinnce of Jarga, who in the course of 60 ras pased as a magistrate ir the consulate of the wat (Genoa, had known but four iustances derguar jettison, ond all of them were suspected f frud, berause the proscribed forms had been of thad, beraused.
The bera illustration of a legitimate jettison is Firn by Eacrigon. On Fcoruary 16, 1782, arepl-stone Deraoulin, of Marscilles, was purwad br four chemies, who rapidly gained on him. it bightall. 5 p.m., he launehed his lone bont, brige riged her with mast and sail, and having ixid a light at a mast head. Ife then sct her wint, and changel his ronte. The enemy was dereired, snd the captain renched Marseilles in setr. This jettison was considered to huve been made tor the sake of saving ship and cargo, and wubd to be a general average loss. (Emérigon, c. 3 sec. \(41 ; 1,623\).)

Goods jetisoned still belong to their owners, wow be rectaimed on payment of salvage. JN'ELEERY. I' nanufacture of personal miments in gold, sily v, and precious stones. The chief seats of this manufacture aro London (huthearell) and Birmingham, the former for the wer, the latter for the medium and commoner ind oi work. It is or: of the staple manufacras of Birmingham, emirloying, according to W. Wricht, more hands than any other industry hast toxi, The trade too is in the hands of a lare namber of small and indapendent manufacwes Mr. Wright calculates that 7,500 persons re engund in the trade, and that, reckoning three enow to each of these workmen, 20,000 persons thes depend on the jewellery manufacture of jimingtam The gold consumed in this trade culoluted to amount to \(600,000 l\) or \(700,000 l\). als. and the silver at from \(100,000 l\). to The 3
The exports of jewellery in the year 1867 were tain \(151,586 l\), the imports at \(\mathbf{1 2 0 , 9 3 5 l}\). Tine fite were chiefly sent to legypt, and most of fipprts cane from Belgium. (For the Birfigha jerellery trade, sce Mr. Wrirht's essay, nikyam and the Midland Hardware District, 4.

NiACO LEMONS, IIMES, on ORANGES. the 30 \& 31 Vict. c. 124 , to nmend the arhat Shipping Act, it is provided, sec. 4, 4 the following rules shall be observed with not to medicines, medical stores, and antichatios.
1. The Board of Trade shall from time to time zove and cause to be published senles of madicines and medical stores suitable for different shins and voyoges, aud shall also prepre or sanction a book or books containing instructions for dispensing the same.
The orvers of erery ship navigating between the Lnited Kingdom and any place out of thesame shall provide and cause to be kept aboard such ship a supply of medicines and medical stores in accorlance with the scale ppropriate to the said ship, and also a copy Whe said book or of one of the said books oot tining instructions.
Sio ime or lemon juice slall be deemed fit and proper to be taken on board any such thip, for the use of the crew or passengers therevi, unless the same has been obtained frim a boade.' warchouse for and to le hipped as stores; and no lime or lemon juice thall be su obtaimed or delivered from any wrehouse as aforesaid unless the samo is homa, by a certificate under the haad of an thepector appointed by the Board of 'rrade, to beproper for use on board ship, such certificate

\section*{JUICE OF LEMONS}

793
to be given upon inspection of a sample after deposit of the said lime er lrmon juice in :he warehouse; nor unless the same contains fifteen per centum of proper and palatable proof spirits, to be approved by such inspector, or by the proper officer of eustoms, and to be added before or immediately nfter the inspection thereof; nor unless the same is packed in such bottles, at such time and in such manner, and is labelled in such manner as the Commissioners of Customs may direct; provided that when any such lime or lemon juice is deposited in any bonded warehouse, and has been approved as aforesaid by the said inspector, the said spirits, or so much of the said spirits as is necessary to make up fifteen per centum, may be added in such warehouse, without payment of any duty thereon; and when nny spirit has been added to any lime or lemon juice, and tie same has becil labelled as aforesaid, it shall be deposited in the warchouse for delivery as ship's stores only, upon such terms and subject to such regulations of the Commissioners of Customs as are applieable to the delivery of ship's stores from the warehouse.
4. The master or owner of every such foreigngoing ship (cxcept those bound to European ports or to ports in the Mediterrancan Sea, and also except such ships or classes of ships bound to ports on the eastern cosst of America north of the 35th degree of north latitude, and to any islands or places in the Atlantic Ocian north of the same' limit, as the Board of Trade may from time to time exempt from this enactment) shall provide and cause to be kept on woard such ship a sufficient quantity of lime or lemon juice from the warchouse duly labelled as aforesaid, such labels to remnin intact until 24 bours at least ufter such ship shall have left her pert of departure on her foreign voyage, or a s:sfficient quantity of such otler anti-scorbutics, if any, oì such quality, and composed of such matcrials, and packed and kept in such manner, as her Majesty by order in couacil may from time to time direct.
5. The master of every such ship as last aforesaid shall serve or catise to be served out the lime or lemon juiee with sugar (such sugar to be in addition to any sugar required by the articles) or other such anti-scorbutics as aforesaid to the crew so soon as they have been at sea for 10 days, and during the remainder of the voyare, except during such time as they are in harbour and are there supplied with fresh provisions; the lime or lemon juice and sugar to be served out daily at tlie rate of an ounce each per day to each member of the crew, and to be mixed witl a due proportion of water before being served out, or the other anti-scorbutics, if any, at such times and in such quantities as her Majnsty by order in council may from time to time direct.
6. If at any time when such lime or lemon juice or anti serrbutics is os are so served out as aforesaid any seaman or apprentice refuses or neglects to take the same, such neglect or refusal shall be entered in the official log book in the manner provided by sect, 281 ot the principal Act, and sliall be signed by the master and by the niate or some other of the crew, and also by the surgeon or nuedical practitioner on board, if any.
And if in any such ship as aforesaid such medicines, medical stores, book of instructions,
lime or lemon jutice, sugar, or anti-scorbuties as arehereinbefore required aro not provided, packerl, and kepit on boned an hereinbetore reguired, tho owner or mastor shall be decmed to be in fault, and shall for ench defimult incur a penalty not excecling 200 ., unless he can prove that the noncomplance with the above provisions, or any of them, was not chused through any inattention, neglect, or wilful default. on his part; and if the lime or lemon juice and sugar or other nati-scortonties are not served out in the ense and mamer hercinbefore directed, or if entry is mot male in the oflieinl log in the ease and mnnner hereinbefore required, the master shall be deemed to be in fault, and shall for each defnult ineur a penalty not exceeding 51 ., anless he can prove that the non-compliance with the nbou provisions, or any of them, did mot. arise through any neglect, omission, or wilful defanlt on his part; and if in any case it is proved that some person other than the master or owner is in default in any ease under this section, then such other person shall be liable to \(a\) penalty not excceling \(20 l\).

Any person who manufactures, sells, or kepps or offers for sale any such medicines or medieal stores as aforesaid which aro of bad quality, shall for ench such offenco incur a penalty not exceching 201.

In any British possession out of the United Kingdom the governor or officer ndministering the government for the time being shall, subject to the laws of such possession, have power to make regulations concerning tho supply within such possession of lime or lemon juice and anti-scorbuties for the use of shij;s; and any lime or lemon
juce or anti-scurbutics duly supplied in ace ance with nay such regulations, shall be deem Whenever it is whowe ner of ships.
Whenever it is shown that any sfaman apprentiee who is ill has, through the noman the mater or owner, not been prowiled proper food and water acoording to his arreeme or with such accommolation, medicimes, melis stores, or anti-scorbutics as are required by primeipal Aet or by this Aet, then, unless it can shown that the illiness has heen produced by canses, the owner or master shall be liable to all expenses properly and necessnrily inctated reason of such illness (not exceeling in the wh 3 toonths' wases), either hy such seaman him: or by her Majesty's Goverminent, or any uffice her Majesty's Govermment, or by nuy parodial other local authority on his belaiff, and expenses may be recovered in the same way they were wages duly earnch: provided hat ennetment shatl not oprerate so as to affect further liability of any sucl: owner or mater suel neglect, it any remely which any sea already possesses.

Where a semman is by reason of illnes capable of performing his duty, und it is that such illness has been caused by his wilful act or default, he shall not be ent to wages for the time during which he is reason of such illness incrpable of perfoming duty.
In \(1867,242,093\) gallons of juiec of lem Kingdom
JUNLI'ER BERRIES. [BEpmFs.]

\section*{K}

KAURI GUM. [Gum.]
KELP. A substance composed of different materials, of which the fossil or mineral alkali or, as it is commonly termed. soda, is the chicf. This ingredient renders it useful in the composition of somp, in the manufacture of alum, and in the formation of crown and bottle glass. It is formed of marine plants, which, being cut from the rocks with a hook, are collected and dried on the beach to a certain extent; they are afterwards put into kilns prepared for the purpose, the heat of which is suthicient to bring the plants into a state of semi-fuvion. They are then strongly stirred with iron rakes; and when cool, condense into a dark blne or whitish mass, very hard and solid. Plants about 3 years old yichl the largent quantity of kelp. The best kelp, has an acrid, caustic taste, \(n\) sulphumons ollour, is compact, and of a dark blue greenish colour. It yields ntout 5 per cent. of its weight of sodn. (liarry's Orlney Islunds, p. 377; Thomson's Dispensatory.)
The manufacture of kelp is, or rather was, principally carried on in the Western Islands, and on the western shores of Scotland, where it was introduced from Ireland, about the middle of last century. Towards the end of the war which closed in 1815, the kelp shores of the island of North Uist let for 7,000l. a-year. 1t has been calculnted that the quantity of kelp anmually manufactured in the Hebrides only, exclusive of the mainland, and of the Orkney and Shetland Isles, amounted, at the period referred to, to about 6,000 tons a-year; and tles the total quantity made in Scotland and its adjasent isles nmounted to about 20,000 tons. At some periods during
that war it sold for 20l. per ton. (art. 'Sou Edinburgh Encyclopadia.)
The foundations on which this mandia rested were, nevertheless, altogether facitions existence depended on the maintenance of high duties on barilla and salt. Inasuuch ever, as kelp could not be substituted, nit undergoing a very expensive process, for bey in a great many depmrtments of industrying the use of mineral alkali is indispensable, ither necessary materinlly to reduce the high mar laid on barilla. The ruin of the kelp mants has been aseribed to this reduction; but th barilla had been altogether exduded from) markets, which could not have been done out great injury to many most important a factures, the result would have been pet the same, in so far as kelp is concermed, the high duty on salt had also been maints It was the repenl of the latter that gare the manufacture the coup du grâce. The vuria of kelp, so as to render it fit for sap-makin much more troublesome and expenise than the decompositiou of salt; and the gh quantity of alkali used is wow obtainel b latter method. Had the duty on salt not repealed, kelp might still hare been mauntad notwithstanding the reduction of duty oab

The manuffecture is now alnoste extinch that formerly yidded the proprietrs a it 200l. to 500l. a-vear, are now worth we nothing. The price of kelp since 189 y nothing. an avcrage, above \(4 l\) per ton; an article will, mest probably, soon cesse produced.
pplied in accors , shall be deeme if ships. mily scaman th the neqleet en provided wit \(t\) to his orremen nedicimes, melic 'e required by t en, unless it can! 1 produced by of all be lindle to \(p\) ssarily incurted eeJing in the wha icli seaman himse ut, or any oflicet by any parochial 4 luehall, and ar the same war : provided that so as to affect owner ir mater , which any sean
reason of illness uty, and it is pr caused by his shall not be enti ing which he is able of perfoming of the kelp manalim reductien; bat th het excluded from have been dote most important a d have been pet In is concerned, d also been maint atter that gave the aritec. The purifo (it for scup-unazic and expensire sult; and the gr sois ohtaite
duty 0 salt not ave been mande tion of daty on alianst extiach proprieters a now worth 18 clp siace \(18{ }^{39}\) h
e th. per tont re 4l. per tont; \(\mathrm{hry}_{1}\) soon cease

This result, though injurious to tho proprictors Thensheres, and productive of temporary distress whe labourens cmployed in the manafocture, \(i\). whe labouraretted. It conld not. hanve been brised withont keeping up the price of some of de most important necessaries of life at a forced minuatural clevation. The proprietors hat not the retige of a gromind for considering that suath thaie of things would be permanent; they when in protiting by it whils it lasted; but a cold not expect hat govermaent was to fine the country, daring peace, to some of the arect brivations oecasioned by the war, merely tan they might continue to enjoy an accidental arontace.
dETLEDGE. The unme sometimes given the iron pigs east in a particular form for Whating ships, and employed for that purpose. GEWUES (Ger, scharlachbecren; Duteh, grein whaldicabessen; Ital. grana, chenmes, cremese, mati, Sasa, grama kermes, grana de la coscoja). tinset (Cocus ilicis, ] nin.), of the samespectes y the tue Dexican cocbincal, found upon the Qurasile a species of oak growing in Spain, Irnce the Levaat \&e. Before tho discovery of dmeics, hennes was the most esteemed drug for drents scarlet, and had beell used for that purpose tuma rery remote preriod. Beckmann inclines to thint that it was eaployed by the l'licuicians, and that it excelled even the famous Tyrian prple, (history of Inventions, vol. ii. p. 197, King. (a) inm tho name of coccum or coccus, cloth red withers was called coccinum, and persos mange this eloth were said by the Romans to bemamati. (Mart. lib. i, cpig. 97, Jin. 6.) It is givale, lowever, notwithstanding its cxtensive oe in antiquity, that tho ancicnts hail the anomet notions with respect to the nature d keme; many of them supporsing that it was the gins (grana) or fruit of the ilex. This was Pimsoopiaion: others, after hita, considered it in the sme light, or as an excrescence formed by tepacture of a particular kind of fiy, like the fowow it was not till the carly part of last cotirt that it was finally and satistiteturily estadided that the kermes is really nothing but minert asuming the appearance of a berry in the press of drying. The term kermes is of Pawoigin. The Arabians had been aequainted ith this pruduction from the carliest periods in hias: snd laving found it in Spain, they cultithat itextensively as an article of commerec, as th d dye drug for their own use. But since \&ittoduction of cochineal, it las become an cet of comparatively trifling importance. It is thowere, prepared in some parts of spain. Whaslyed with kermes are of a deep red colour ; a thugh much inferior in orilliancy to the witt doths dyed with real Mexican cochineal, cyrain the colour better, and are less liable to fie the old tapestries of Nrussels, and other wan Fladers, which have scarcely lost anythe of their original vivacity, though 200 years t rere all dyed with kermes. The history this production has been treated with irreat aning by beckmann (Ilistory of Inventions,
 4 , Padecoft (Permancat Colours, vol. i, pp. 393 4(4).
ALI. FIEST, A small island from 4 to 5 miles lanth, by 1 in width; 56 miles \(\mathrm{S} . \mathrm{W}\). from ereable in Florida. It is one of the Florida os of that extensive circular range of low ather tanks, and reefs, which fences the eoust of foctand forms the northern bounclary of the soudam, from the Tortugaa Islands on the atad to Cape Florida on the \(N\). There are
two lighthouses, one on the N.W. passage another on the S.W. point of the island. \(A\) bout Tis miles S.W. from Kery-West Lighthouse is anoolar, which gives a tlash for 10 seronds every altermate minnte. The town of live-West, nesir tho N. W. yart of the island, lans abont 1,0 , 0 in inhabitants, and an excellent harbour, with about. 25 fert water. \(A\) sate paseage, about 6 miles in lompth, leads by Key-West from the Ginl Stream to the Giulf of Dexieo. It hats 12 feet water at ebb tinks, and vessely from the \(N\). bound for New Grleass, Molile \&e., or from the Intter for the former, by passing throngh it, avoid the delay and langer of the more westerly passage round the 'l'ortugns.

Uwing to the frequent accidents to shipping from coming in contact with the banks and reefs in this dangerous vicinity, the American Government has organised an establishment nt Key-West for the assistanco of shijus in distress, and mate it the seat of an admiralty court for the atjudiention of elaims tior salvare. Tho former consists of nbove 'ty licensed vesse'd, with crews of abour 16 , men each. 'These are kept constnntly cruising about on the look-ont for ships in distress or wantius pilots; and as tlacir enolument principally depends on the fers they olotain for their assistance, it moy be fairly assumed that it will Ise rendered witl the grentest alacrity. But the desirable thing is to hinder vessels from getting ois shore, the assisting them when in that predicnment being, though an important, a sceondary consideration. Tho latter, however, and not the lormer, is the main object which the licensed cruisers of Key-West have in view; and it would be preferable coukl means be devised for making their renumeration depent rather on their success in preventing disasters than, us at present, in mitigating their influence. I'his is by no means ensily done. Shipwrecks will, perhaps, be more effectually prevented by increasing the number of lighthouses, light-vessels, and sea-marks, along the edges of tho islands anl reefs, than in any other way, Wo subjoin an account of the ships wreeked, the sums iwarded as salvagres by the court of Key-West \&e., in cach of the 14 years ending with 1857.
\begin{tabular}{|c|c|c|c|c|}
\hline Yesr & Number of.Vessels & Salvage & Exyenses & Value of Vescels and Cargoes \\
\hline 18.1 & 29 & \[
\begin{aligned}
& \text { dols. } \\
& 93,712
\end{aligned}
\] & \begin{tabular}{l}
dols. \\
109, 06.5
\end{tabular} & \[
\begin{aligned}
& \text { dols. } \\
& 725,000
\end{aligned}
\] \\
\hline 1815: & 26 & 69, 5112 & 105,709 & 733,000 \\
\hline \(1 \times 17\) & 4 & 122, \({ }^{\text {a }}\) (10 & 23.123 & 1,597,500 \\
\hline 1817 & 37 & 103,04] & 2012, 640 & 1,621,010 \\
\hline \(1 \times 18\) & +12 & 12., 2 no & 20 \%rion & 1,284,000 \\
\hline 1819 & 47 & 127,870 & 219.140 & 1,305,006) \\
\hline 18.19 & 51 & 122,83t &  & 929, 8106 \\
\hline 18.1 & at & 74. 7.92 & 165, \(11 \times 5\) & 911,510 \\
\hline 18.72 & \% & 80.112 & 16,3010 & 673,000 \\
\hline 18.3 & 57 & 174,3.50 & \(2, \pi, 100\) &  \\
\hline 1831 & 61 & 80,9415 & 166,34,5 & \(8,314,010\) \\
\hline 18.5 & 81 & 101,145 & 1199,846 & 8, 8,4,1077 \\
\hline 1856 & 71 & 16,3,117 & 2F9, 1.41 & 4,797,610) \\
\hline 1857 & 39 & 101, \(\times 10\) & 172,94-1 & \&,66.3, 150 \\
\hline Tatal & 6.55 & \(1,5,12,15,3\) & 2,683, 2095 & 21.309010 \\
\hline
\end{tabular}
(Blunt's Amcrican "'ilot, p. 25 ; llunt's Commercial Magazine for Féruary 1858; \&e.)

KINO (Fr. gomme de kino; Span. quino; Cier. kinoharz; Ital. chino). A fum, the prodnce of trees that grow in the East and West Indies, Africa, Botany Bay \&e. The researehes of Dr. Pereira and others have shown that kino is a vegetablo extract or gum, obtained by boiling twigs of a trec (Ptcrocarpus marsupium) which grows in the East and West Indies, Arrica, South America, and Australia. The nut is that exported from Bombny. The substance is found in small angular brittlo fragments of a deep scarlet red colour, and of a glistening appearance. When chewed, it tiuges the saliva blood-

\section*{KIU KIANG}
red. It has a bitter, highly astringent taste, but lenves a slight sense of swectness in the mouth. Kino contains a largo quantity ol' a peculiar kind of tannin, 75 per cent. according to some chemists, but is chictly used in medicine. (1'ereira's Materia Medica; Wood and Bache's United States Dispensatory; British Pharmaсорсіа 1867.\()\)
KIU KLANG. This river-port is situated at the outlet of the great Po lang Lake, which occupies a vast area in tho centre of the provineo of Kiang-si. It is distant 445 geographical miles from Shanghai, and 137 from Hankow. The object which the British ministers had in claiming this as one of the open ports in the treaty of 1861 seems to have been its proximity to the green tea districts of Kiang-si and Ngan-bwei. This important city was almost destroyed by tho Taeping rebels, who oceupied it from 1853 to 1858. When, bowever, this rebellion came to an end, the populstion rose anew from 10,000 to 40,000 souls in 1862. In 1866 there were at Kiu Kiang 8 Britisn mercantile houses or agencies, and 3 United States firms. There is a British consul on the spot.
The fullowing are the exports of tea for the years 1803-6:-
\begin{tabular}{|c|c|c|c|c|}
\hline & 1863 & 1864 & 1865 & 8 \\
\hline & & & & \\
\hline 1llack & - 0, \(81 \times{ }_{2} \mathbf{C 0 8}\) & 10,294,555 & 8,961,536 & 12,476,400 \\
\hline Sireen & - 15,721,115 & 7,609.ru; & 18,140,790 & \(10,549,666\) \\
\hline Leuf. & - 8\$0,235 & 352,548 & 152,\%88 & 131,533 \\
\hline
\end{tabular}

This return for 1866 is exclusive of tea dust, \(823,333 \mathrm{lbs}\). of which were exported in 1866.

Trade of Kiu Kiang, 1864-1866.

479 vessels (almost exclusively British and American) of 357,875 tons entered, and 477 of 357,016 tons cleared the port in 1866. The chief imports are textile fabries and opium,

KNIVES (Ger. messer; Dutch, messen; Fr. coutesux; Ital. coltelli; Span. cuchillos; Russ. noshi). Well-known utensils made of iron and steel, and employed to eut with; they are principally manufactured in London and Sheffield. Knives are made for a variety of purposes, as their different denominations imply; such as table knives, pen knives, oyster knives, pruning knives \&c. Although England at present excels every part of the world in the manufacture of knives, as in most branches of cutlery, the finer kinds were imported until the reign of Eliznbeth. It is stated by Mr. Maepherson (Annals of Com., anno 1563) that knives were not made for use in England till 1063 ; but there can be no doubt that this is an errer. They had been made, though probably of a rude and clumsy pattern, for centuries before, in the district called IIfl' \({ }^{\prime}\) shire, of which Sheffield is the centre; and the cutlers of London were formed into a corporation in 1417. (Manufactures in Metal, vol. ii. c. i., in Lardner's Cyclopadia.)

KÖNIGSBERG. The enpitnl of East Prussia, in lat. \(54^{\circ} 42^{\prime} 11^{\prime \prime}\) N., long. \(20^{\circ} 29^{\prime} 15^{\prime \prime}\) E. Population, in 1864, 101,507.

Port \&c.-Künigsberg is situated on the Pregel, which flows into the Frische IIaff, or Fresh Bay, a large lake having from 10 to 14 feet water. The bar at the month of the Pregel has only from 10 to 11 feet water, so that vessels of more than that draught of water require to be lightered to come up to Königsberg. Pillau, in lat. \(54^{\circ} 33^{\prime} 39^{\prime \prime}\) N., long. \(19^{\circ} 52^{\prime} 30^{\prime \prime}\) E., on the north side of the entrance from the Baltic to the Frische Haff, is
properly the port of the town, and since 1806 ha been connected with it by rnilway: Within thes few years a lighthouse has been ereeted on a rising ground a little to the south of Pillau, the lanter of which is elevated 95 feet nlove the level the sea. The light is fixed and brilliant. The entrance to the harbour is marked by bis those on the larboard side being summouated by small flags. A Gothic building, 120 feet above the level of the sea, has been ereeted to serve for a landmark; at a distanee it lowks like a three-masted ship under sail. There is usually from 15 to 16 feet water between the buoys on entering tho harbour; but particular winds occasion material differences ia this respect.

Trade of Königsberg.-Being situated on a navigable river of considerable importance, Königsberg has a large command of interna navigation, and is the principnl emporium of a large extent of country, but her importance will be much increased by the completion of the Fast Prussian Southern Railway. Wheat, rye, and other species of grain are the chief artides of export. Tho wheat is somewhat similar to that of Dantzic, but of inferior quality, being larger ia the berry, and thicker skinned. The rye is of good quality, but barley, with few exceptions, is thin and light. A few remarkubly large and fine peas are exported; but the bulk are of mall size and inferior. Oats are common feed, with slight admixture of tares; but as these last answe in some degiee the purpose of beans, the value of the oats is rather enhanced than othersise br the circumstance. More tares are slipped here than from any other port in the Baltic. The price of all sorts of gruin is usually lower at Königsberg than at the neighbouring Prusian ports. Linseed and rapeseed, hemp, tlar, linens oil-cake, oil, bristles, retined sugar \&e, are hargel exported; with smaller quantities of booes, math ashes, feathers, wax, hides and skins de, Th bristles are the best in the Baltic. "'immee, dedg and staves are as good as at Nemel, but bein scarce, few or none are exported. The import are sugar, tea, herrings, iron and steel, wffed wines, tin and tin plates, dye woods, tobuce spices, drugs, coals \&e. The Govemment mend poly of salt has been abolished, and it mi for the future, says Mr. Consul Hertilet, of subject to an import duty of 2 thankers of 6 per cowt. In 1866 there arrived at lillan 1.38 vessels of 154,036 tons, of which one-thide men British.
Money, Weights, and Measurcs, same as Dantzic.
The following dues are charged on shipping Königsberg and Pillau.

At Pillau.
If with eargo :
On arrival, 4 silvergrosehen per last.
On departure, 4 silvergroschea pee lish
If in ballast or empty :
On arrival, 2 silvergroschen per last.
On departure, 2 silvergroschen per last. Ships had formerly to pay; respectiver, and \(7 \frac{1}{6}\) silvergroschen per last, before June ive and subsequently, and up to May 15, 1867,82nd

At Künigsberg.
River Pregel's Mouth.-Money for rese coming to Königsberg, in and out-

If with cargo, 3 silvergroschen 6 peani per last,
If in ballast, 1 silvergroschen 9 pienpire \(P\) last, oschen per last. may, respectivelr, st, before June 180 May \(15,1867,8 \mathrm{and}\)


apinst the former dues of, respectively, 5 silver peschen 6 pfenaige, and 2 silvergroschen 9 pennige per last.
The Hünigsberg town dues, such as stream and boliwark money, Kiver I'regel Mouth money, and bride moner, are reduced to half of the former rates from May 15, 1867, and Consul Hertslet (Rport, April 1867) holds out hope that all loal dues will be abolished, and that, the harbour dos will be assimilated to those of Hanover.
KCRBACIEE. A sea-port of Iritish India, at the X.II, extremity of the coast of Sinde, lat.
 ndurbs in \(1830,22,227\). It derives almost all its imprance from its being the only safe sen-port on the coast of Sinde, and from its adaptation to
enre ss the grand W. emporium of the tores traversed by the Iudus. In the vast terribids fair eotirely to supersede Tatta, elsewhere decribed, It is sitoated ahout 22 miles E . from Cape Youze, on a level piece of ground at the ensmity of the Brahooic mountains. The hathour, which is spacions and secure, has a bar n its mouth, on which there are from 16 to 18
fat water at high-water ordinary titles, and tram 20 to 21 feet or upwards at high-water prings. Aud allowiner for the difference it the patments with respect to the depth of water on
the bar, sill there can be no question that the lar, sill there can be no question that the
harkur has beea safely entered by ships of from tho to ceo tons burten or upwards; and it is twesible ot all times of the year, even during the eaise of the monsonns. It appears, indeed, to be ganisel pila establish, that, with a properly orfor one or more years of two or three powerfial tham dresing machines to deepen or remove the pas, the port would be constantly available for bips of from 800 to 1,000 tons. Kurrachee has lighthosese at Massora Fort, visible 16 miles in Aar reather,
Arailuay; certainly the most important for its nent (11ij miles) of any in India, has been comndens, foom Kurrachee to Hyderabad on the frialdie foint at which the latter becomes e ariveror large ships, and from which it may vilt for hed purpose. 570 miles by steamers
is, cousequently, fery prospect of Kurrachee becoming one of the mould beorant of the Eastern cmporiams. It tent the great natural riches, and the immense maities of improvement of the countries watered boe thdus and its affluents; and it may fairly doubed, whether the these circumstances into acrutend that the commerce of Kuns of those who kid at some future and not Verry remee is des\({ }^{\text {chit }}\) at some future and not very remote period,

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the equul that of Now Orleans, the emporium of as at the tirsp, bo 1 enlly so very wide of the mark to be. It is seen by the matter they inay seem even at present, its trade is far from inconsiderable.
It has two routes to Tatta, and it las been snid that there is a water communication between Kurrachec and the lindus; but this has been denied, and is most probably a mistake. No doubt, however, it would be easy, hem the nature of the ground, to some futuro period, be an expedient measure. In the mean time the railway, by bringing Kurrachee the deep water of the Indus, has mado it tho port of the latter. Tho telegraph wires from Aden to India havo been carried in the first instance to Kurrachee.
In 1866-7 tho exports consisted principally of wheat and other grain, provisions and oilman's stores, raw silk, raw cotton, oil and oil seeds, saltpetre and wool (whe most important article),
and is now by far the more indigo, munject or madder, drugs \&c. But when the navigation of the Indus is carried on actively, Kashonere shawls, silk, and a great variety of the most valuable artieles, will be added to the list of exports.
The imports consist of cotton stuffs and twist, iron, hardware, and machinery, spices, wines \&c.
I.-Account of the Values (in Rupees) of the Ymports into and Exports from Kurrachee in each of the 10 Years ending with 1865-6, with Amount of Customs Duties collected.
\begin{tabular}{|c|c|c|c|c|}
\hline Year & Imports & Exports & Total Value & Customs Duly \\
\hline \[
\begin{aligned}
& 1856-7 \\
& 1857-8
\end{aligned}
\] & R2. \({ }_{\text {R, }}^{6,6.5 \%}\) & \({ }_{73,45,222}\) & 1,14,01,8.0 & \\
\hline \[
\begin{aligned}
& 1857-8 \\
& 185 \mathrm{~K} 9
\end{aligned}
\] & 1,04,11,012 & \(73,45,222\)
\(1,07,81,2 \times 6\) & 1,14,01,870 & Rs. \({ }_{\text {dj, }}\) \\
\hline 1851 -60 & 1,51,06,0.38 & 1,04,42,726 & \(2,13,92,494\)
\(2,58,1 \times, 781\) & 89,198 \\
\hline 1860.1 & d, \(61,27,66,581\) & 91, \(2,31 \mathrm{~s}\) & 2, i6, \(00,06.3\) & 2,015,240 \\
\hline 1861.2
1862 &  & 1,02,69,918 & y,68,36,199 & 4,41,3993 \\
\hline 18623
186.5 & 4, \(21.45,181\) & 3, \(21,67,9988\) & 2,96,6f, 543 & 3, \(3,13,8.88\) \\
\hline 18615 & 2,47,47,37:
\(4,31,67,700\) & 1,18, 20,734 & \begin{tabular}{|c}
\(5,53,01,126\) \\
\(6,66,2 \%, 106\)
\end{tabular} & 3, 98,380 \\
\hline 186.5-6 &  & 2,99,80,15: & 5, \(21,47,150\) & 4,37,217 \\
\hline Total - & 17,24,6,3,4.3: & \(\frac{2,79,27,93}{19,44,45,260}\) & \(\frac{4,81,23,145}{36,74,14,495}\) & 3,41,371 \\
\hline Averake value & & 1, \({ }^{14,15,260}\) & 36,72,48,695 & 33,88,156 \\
\hline for IU years - & 1,74,80,317 & & & \\
\hline Value for 1466. 7,end of A pril & 1,72,80,315 & 1,94,14,526 & 3,67,24,869 & 5,58 \\
\hline Increase & 2,98,71,655 & 2,52,89,893 & 3,51,61,548 & \\
\hline  & 1,25 & & & ,23,250, \\
\hline \multicolumn{5}{|l|}{The larere} \\
\hline
\end{tabular}

The large amount of Customs duty collected from 1859-60 to \(1862-3\) inclusive was on account
of 10 per cent. duty on railway iron, which was reduced by Act 26 of 1863 to 1 per cent.
-Account shouing the Countries having Trade with Sinde in 1865-6 and 1866-7, with the Value
III.-Table showing the Aggregate Value of the V.-Table showing the Aggregute Volue of the Principal Articles of Export from Siude by Sea Principal Arlicles of Impports into Sinde hy
in \(186 t-67\) compared unth \(1865-66\).
\[
0
\]
\begin{tabular}{|c|c|c|c|c|}
\hline Articlen & 1465-6 & 1866.7 & Incre.se & Her rease \\
\hline Apraret \({ }^{-3}\) & \begin{tabular}{l}
Rs. \\
\(20,8: 8\)
\end{tabular} & Hs. 18,541 & " & Rs.
\[
2,318
\] \\
\hline Cliows and utationery & 4,20.19 & & \(\because\) & \\
\hline liornx - & 21,439 & 12,235 & . & 12,0,1 \\
\hline catunetwary
Cottun yooda &  & 3, \(1 \times 3,11081\) & \(\because\) & 12,140
47033 \\
\hline Cottun groxta & 3.70, 10.1 &  & - & 27,10,10, \\
\hline frugs and medleinea & 2, \({ }^{3} 12,171\) & 20,24,639 & & 1 26 2 4193 \\
\hline lyer - & 14,17,160 & 14,51,915 & & 1,64,243 \\
\hline Flas and manufac:
tures of & & \(20 . \mathrm{mm}\) & 2n,000 & \\
\hline Fruits and vepelabien & 2,11, \(\mathrm{S}_{3}\), & 1,69, 3, 3.2 & & 75,178 \\
\hline  & 34,41, 13 & 8,199 & 9 & \\
\hline fium & 17,6. & , & , & N,7, 1 \\
\hline Horses and animals & 4,61, 312 & 2,24tm 5,31 & & 2,35,012 \\
\hline ! lites & Stiond & 76,34,3 & 20,231 & \\
\hline  & 1,405 & 2,473 & 1,070 & \\
\hline Jute and manufac: & 12,169 & & & 4 \\
\hline turse of & 1,06fi & 7 & & 10,260 \\
\hline L,40 & 1,01, 159 & 6,17,2,3 & & \\
\hline  & 1,01,297 & 6,17,260 & 3,12,963 & .. \\
\hline irrurisiona and mann's stores & ,95,716 & 11,93,5:1 & & 8,02.16? \\
\hline Saltpetre & 107, 9710 & ( 3,190 & & 43,58 \\
\hline Silt and is & 15,49,417 & 31, \(2,033 \cdot 1\) & 15,92,522 & "• \\
\hline thres of : & 3,75,923 & 7,08,869 & 3,52,916 & . \\
\hline Sugar and other saccharine mattera & 3,90,1f:2 & & & \\
\hline Tallaw & 34 & i, 14,3 & 7.271 & 9,8,15 \\
\hline Tra & 3, 016 & 18,1,57 & 19,911 & \\
\hline Whareo - & 51,530 & 7,54, & & 2-182 \\
\hline Wuod and manufactures of & & & 36,031 & \\
\hline Wool & 61, \(1 \times, \times 131\) & 41,30,4.30 & & 22,87,971 \\
\hline Sundries & 9.14,301 & 9.09, \(0^{2} 6\) & -. & 1,xi5 \\
\hline T'otal merchandiso & 2,77, 96, \(0^{1} 1\) & 2,52,28, 0135 & 40,40,150 &  \\
\hline Treasure - & 1,31.382 & 61,794 & & 69,524 \\
\hline T'otai rupees & 2,79,27,936 & 2, \(52,89,503\) & 40, 11,150 & \(\overline{64,78,103}\) \\
\hline Defiuct increaso & \({ }^{+}\) & \(\cdots\) & . & 10,40, 150 \\
\hline
\end{tabular}
IV.-Statement of Ships and Tonnage Entercd and Clearcd from Ports in Sincte in 1866-67.




\section*{L}

LABUAN. \(\Lambda\) small island off the N.W. ceast | was uninhabited; but its situation is such it of Bornco, a dependency of the British crown, about 6 miles distant from the nenrest point of the mainland, and 30 miles N. from the city of Borneo or Bruni, lat, \(5^{\circ} 12^{\prime}\) N., long. \(115^{\circ} 19^{\prime} 36^{\prime \prime}\) E. It is from 25 to 30 miles in circuit, flat, and covered with wood. The anchorage, on the S. side of the island, is protected by a greater and 3 smaller islands; and the town of Victoria has been commenced at the embonchure of a rivulet in a small bay, at the head of the anchorage. Coal of good quality is found on the island, and it is well supplied with fresh water. It was ceded by the Sultan of Borneo to Grent Britain in 1844; and the late Sir James Bronke, who negotiatedits cession, was afterwards appointed its governor. When it came into our possession it

Falue if the nto Sinde hy imilar Imports
yt
d The total population of Labuan on January 1,新i, was \(3,8: 88\) penons, exclusivo of military and covicts, The number of vessels which entered and deared in 1863 was 25 of 7,332 tons, and 24 f6,07 tons, the shippinif fradually lucreasing. The thipping was elicetly British and from The thippit The imports vere worth, in 1866, winp 14 l. \(12 s, 4 d\), the chief itens belng pieco pods, machinery, tirils' nests, nad specie. Tho pook, wact 58,2931 , in value. In 1866 tho coal uppts were
Boneo er lirual, on the aljacent shore of the asmand the residenec of the Sultan of lkorneo Prowe, bas been termeal tho Venice of tho East. If antains from 30,000 to 40,000 inliabitants, yoir Malays, and really seems as if it thonted moly lalays, It is situated on an estuary, and note rares. with little regard to regularity, it is werented crosswise by two main strects, which Wride it into 4 portions, 1 only of which wh dry land. I'he houses in the other pats are of wood built on piles, which whut them above the water, with streets, if so the may be called, to admit the passurge of anos. The steumer which conveyed Sir James Bombe to borneo, when Labuan was ecded, anchoed in the main street in the eentro of tho Wan! 'The createst novelty at Rruni,' says Mr, Maryat, fom whom we have borrowel these deauly, 'is the foating bazaar. There are no shous the eins, and the market is held every day in anoes These come in at sunrise every morning Fom everf fatt of the river, laden with iresh fruit, Whaconpper, and every other article which is rodacid ia the vicinity; a few European prourtions, such as hanilkerchisfs, sheek-cotton fints te, alse make their appearance. Congreyed in the main street, the canoes aro tacked cether, forming lanes through which the purhety in their own canoes padelle, selectiner and raining for goods with as much eonvenience if the whole were transacted on terra tirma, whis here so ralunble that it is used as money. pehandred that pieces an inch square are valued adolla, and anong the lower classes these iron aes form the sole coin. They are unstamped, that anp person appears to be at liberty to cut ama iron into moncy ; but whether such is Hy the case, I cannot vouch,' (Marryat's reo tec, \(p . \mathrm{Hl}_{3}^{2}\) )
Bulthugh deficient in iron, the gold mines of meo are said to be of the richest description. Shatid nafeesesinated thatin in is tima rewe chines hibuteres were employe in

 we, were the miners in a condition to prosecute - andertakings in safety, and to bring the arces of science and copital to their aid. mony is also found in abundance in Borneo, cially in the district of Sarawak, of which ames Brooke was rajah; and the diamonds of co rival those of India and Brnzil. But

 the materials of an extensive commerce. aro palm grows in great perfection in many of the island, and sago is largely exported rough state to Singapore. The areca nut, as, gutta percha, gunt-benjamin, camphor, Ucsts \&c., are also considerable articles of ; and sugar, pepper, and all the products pical regions, might, with a little eare, be to auy extent in most parts of this vast - The numbers and ferocity of the savages
by whom it is ocenpicd present, indect, immunerable olstacles to its improvenent ; but civilisation is beghning to make its way nmongst them; and, though probably slow, its progress camot well tre arrestel. Mr. Vico-Consul Martin's Report of February 29, 1868, states the value of the exports from Sarnwak in 1866 at 71,8191 ., nud that of tho imports \(8: 3,8 / 41\), showing a decrease as compared with 1865 of abont 30,0001 , in each case.
LAC or GUM LAC (lier. lack, gummilack; Fr. lacque, gomme lacque; Ital. lacea, gommalacea; span, romn laca; Russ. laka, gumailak; Arab, laak; Ilin, lak'lı; Sansc, lakshin), a fulsstance, which has been improperly callerl a gum, produced in Bengnl, Assam, Pega, Sinm de, on the lenves and branches of certain trees, by an insect (Chermes laeca). The trees selected by the insect on which to deposit its eggs nre known by the names of tho bihar tree (Croton laccifcrum, Linn.), the \(r\) el (Butecs frondesti), bott, and coosim trees du, After being deposited, the egr is covered by the insect with a guantity of this peculiar substance, or lac, evldently intended to serve, in the economy of nature, as a nldus and protection to the ovam and insect in its first stage, and as food for the maggot in its more allvanced stage. It is formed into cells, finished with ns much art as a honcycomb, but differently arranged, Lane yields a tine red dyc, which, though not so bright as the true Mexican cochineal, is said to be more permanent ; and the resinous part is extensively used in the mnnufacture of sealingwax and loats, and as a varnish.
Lac, when in its natural stnte, encrusting leaves and twigs, is called stick lac: it is collceted twice n-ycar; and the only trouble in procuring it is in breaking down the leaves and branches, and carrying them to market. When the twigs or sticks are large, or only partially covered, the lac is frequently separated from then, as it always ouglit to be when shipped for Europe, to lessen the expense of freight. The best stick lac is of a deep red colour. When held against the light, it should look bright, and when broken should appear in diamond-like points. If it be not gathered till the insects bave left their cells, it becomes pale, and pierced at the top; and it is of little use as a dye, though probably better for a varnish.

Lac dye, luc lake, or cake lac, consists of the colouring matter extracted from the stick lnc. Various processes have been adopted for this purpose. It is formed into small square cakes or pieces, liko those of indigo. It should, whicn broken, look dark-coloured, shining, smooth, and compact; when scraped or powdered, it should be of a bright red colour, approaching to that of carmine. That which is sandy, light-coloured, aud spongy, and which, when seraped, is of a dull brickdust colour, should be rejected.
Notwithstanding the continued fall in the price of cochineal, the use of lae dye has been extending in this country. The annual consumption may at present (1868) amount to about \(1,200,000\) lbs., having more than quintupled since 1818. The tinest qualities of lac dye are seldom met with for sale in Calcutta, being generully manufaetured under contract for tho European market.

When stick lac has been separated from the twigs to which it naturally adheres, and coarsely pounded, the native silk and cotton dyers extract the colour as far as it conveniently can be clone by water. The yellowish, hard resinous powder which remains, having somewhat of the appearance of mustard seed, is called seed lac. When liquefied by fire, it is formed into cakes, and denominatel lumplac. The natives use the latter

In making bangles, or ornanients in the form of rings, for the arms of the lower class of fumales; the best ahellac being used In manufacturing these ornaments for the superior classes.

Shellac is produced from seed lac, by puttlng the latter into bage of cotton cloth, and holding it over a charcoal fire, when the lae melts, and being strained through the bag, the resinons part, which is the most liquefiable, is obtalned in a considerable degrea of purity; it is formed into thin sheets or plates.

The largest consumers of sliellac are hatters, sealing-wax and varnish makers.

Shellac is of two kinds-the thin flaky, called orange, garnet and liver; and the thieker sort, calied button, which agnin is of two kinis, the bright amber-coloured and the dark.
liatters use most the flaky dark, which, if pure, is of the strongest body. Varnish makers prefer the bright button. Sealing-wax makers give a decided preference to the button sorts. The bright button being the tinest, requires less vermilion to overcome its strong properties. 25 years ago orange siellac was almost the only sort known in the market.
Shellac is greatly adulterated iy resin, more especially the dark button surts. The best test of the purity of hut ton shellac is its fragrance of smell when on fire. This, with the pure buttons, both the amber and the dark, is most agreeable.

In Bengral, lac is chiefly produced in the forests of Sylhet and Burdwan, and nine-tenths of the shellac in the district round Cawnpore. The finest dye is said to be obtained from the stick lac of Siam and Pegu; but the shellac or resinous part obtained from the latter is inferior to that proluced from Sylhet stick lac. It may be obtained in almost any quantity.
The duties formerly charged on lae when entered for consumption were repealed in 1845.
In 1867, 31,633 cwts. of shellae were imported, and 26,660 cuts. exported. During the same vear the imports of lac dye were 9,260 ewts. Lac dye loes not figure in the exports.
The finest lac dye is distinguished by the mark D. I., the 2nd by T. D., the 3rd by J. Mc. R., C. E. \&c. The prices vary from \(6 d\), to \(2 s .5 d\). per 1 b .
The duties used to be 5 per cent. on lac dye, seed lac, and stick lac; and 20 per cent. on shellac; but it was obviously absurd to charge shellac, which, as already seen, is prepared from the refuse of lac dye, with four times the duty laid upon the latter. In 1842 the duties were reduced to 1 s . per cwt., and, as al-eady seen, were repealed in 1845. (Bancroft On Permanent Coluurs, vol. ii. pp. 1-60; Ainslie's Mat. Med.; Milburn's Orient. Com. ; and private information.)

LACE (Dutch, kanten; Fr. dentelle; Ger. spitzen; Ital. merletti, pizzi; Russ. kruahewo; Span. encojes). A plain or ornamented net-work, tastefully composed of many fine threads of gold, silver, silk, flax, or cotton, interwoven, from Lacinia (Lat.), the guard hem or fringe of a garment.
The origin of this delicate and beautiful fabric is involved in considerable obscurity; but there is no doubt it lays claim to high antiquity. In Mr. Hope's Costumes of the Ancients, many beantiful lace patterns are portrayed on the borders of the Iresses of Grecian females; and from the derivation of the word 'lace,' it is probable it was not unknown to the Romans. It is supposed that Mary de' Medici was the first who bruught lace into France, from Venice, where, and in the neighbouring states of Italy, it is understood to have been long previously worn; but we find that in England, so early as 1483, 'laces of thread, and
ances of gold, and wilk and gold.' treve enumenter among the articles prohibited to be importel. Rich. 1II. c, 10.) It is, therefore, fair to leasm that this manufacture hal begun in England prior to that period, as this and many subsequent Acts were passed ( 19 Hen. VII. e. \(21 ; 5\) tile 7 ; 13 \& 14 Ch. II. c. 13 ; 4 \& 5 Wm \& Marra sc.) for the encouragement and protection of home manufacture; but it may equally be on eluded, that as pins (which are indisputisable the proeess of lace making) were not used Fngland till 1513, the manufacture of lace ma have been vulgar in fabric, and eircumscribed its extent. Iraclition mays that the lace mane tacture was iutroduced into this country by sum refugees from Flandera, who settled at or nes Cranfield, now a seatered villaye on the side of Bedfordshire, and adjolning Bucks: there is no certain evidence that we nre indet to the Flemings for the iutroduction of th benutiful art, though we undoubtedly owe them most part of our manufactures of artice dress ; we have alse imitnted many of their fabries, and greatly improved our manufactir by proliting by the superior taste which they ha displayed ill the production of this articie. 1626 Sir llenry borlase founded and endon the free school at Great Marlow, fur \(2+\) bove read, write, and cast accounts; and for 24 gin to knit, spin, and make bone lace (Levi Topography); so that there is renson to supp that at this time the manufacture had cenmeno in Buckinghamshire, whieh by degrees extend to the adjoining counties of Bedford and Sur ampton. In 16.10 the lace trade was a flounitit interest in Buckinghamshire (Fuller's Worth and different Itincraries) ; and so grestly bad advanced in Eugland, that by a rayal ordina in France, passed in 1660, a mark was estahlis upon the thread lace imported from this cow and from Flanders, and upon the point lace if Genoa, Veniee, and other forcign countries order to secure payment of the customs dut (Universal Dictionary.)
Pillow Lace-the original manufacture worked upon a hard stuffed pillow, with silk, or cotton threads, according to a psechn pattern placed upon it, by means of pins, both and spindles, which are placed and displaced, tr ing, and interweaving the threads, 80 as to inil the pattern designed. This manufacture bas long pursued in almost every town snd villag the midland courties, particularly in Bocd hamshire, Bedfordshire, and Northamptoos: besides nt Honiton in Devon, and various o places in the west of England. The ping places where it is made in the Netherland Antwerp, Brussels, Mechlin, Louvaine, Valeneiennes, and Lisle. It is also mod Chantilly near Paris (celebrated for veils), C ville, Sedan, Le Comté de Bourgogne, L Dieppe, Havre, Hartleur, Pont l'Evesque, G Fécamp, Caen, Arras, Bapaume Kc. in Fr and at various places in Spaia, Portuga, Italy. In Eingland and Ireland, besides the passed at different times to encourage and pry the manufacture, associations were forme various places, with the view of exciting \({ }^{3}\) of emulation and improvement, by hoiding premiums for the production of the best pied bone lace; and although smuggliag of fof lace was carried on to a great extent (in 72,000 ells of French lace were seized in the of Leigh, and lodged in the king's ware there, beaides numerous other seizurss), British manufacture advanced ia an unpara degree. (Gentleman's Mag. 1751, vol, xxi ip
gold,.' were crumerated tel to be imported, ercrore, fair to preanme al begun in Fogland 4 and many subvequen 1. V'II.c. 2 ; b biliz d 5 Nm \& Mary c, \(t\) and protection of ou it may equally be con In are indisjernable ing) were not used inufacture of lace mus 2, and circumseribet in 's that the lace man o this country by ho settled at or d villare on the adjoining lucks; e that we are indebt introduction of th undoubtedly ore nufnctares of articlea ated many of their la oved our manufactur r taste which they ha on of this article. founded and endow Harlow, for it bow, unts ; nad for \(2 t^{\text {chin }}\) b bone lace (Lewi te is reason to supp facture had commena h by degrees exteaf of Bedford and Surt trade was a flourist ire (Fuller's Worth and 80 greatly had t by a royal ordinas a mark was establis orted from this cout non the point lace 1 - forcign countries of the customs duth
rinal manufacture I pillow, with silk, ling to a parchat ineans of pias, bot zed and displaced, th threads, so as to imi 5 manufacture has ery town and villan rticulsrly in Buct ind Northsmptoss ron, and various a gland. The prind n the Netherlands in, Louvsine, \(G\) It is also ms rated for veils), Ch de Bourgagne, 1 ont l'Eresque, G paume ke. in Fth Spsin, Portagsi, eland, besides the encourage and pr ions were farme ew of exciting s ment, by holding n of the best pier smuggling of fo yreat exteat (in were seized in the the king's ware other aeizures), ceed in an unpara 1751, vel, xxi pr

fie eve nusle in this country was if the firs aifel Drussels Point, the net work mas the sort bbiason the pillow, and the patiern aus boue whed with the needle. Such appears to srigs wa the kind worn by the nobility and peo nave bith rank, as is evideat by tho dilferent peopto of bu in existence, painted hy Vandyke portrats time of charles I., and afterivards by Sir in the Wrand sir thodfrey Kneller, int the suce leter nimb of Clarles II, Queen Ánne, and Geopgo 1. the oid Jechlid ar orow which what the trade terued the mut cound, which was very similar, if not iden-
tail with the modern wid in the present French in, the principal wide in the present French manufacture tho lus male in these croounds were singrularly rich nd dunble; tho desigus of the old Jlechlin endided the lgures commonly introduced in mameatal carring. Between to and 80 in monpat deterioration was occasioned y years Eanduction of the Trolly ground, which was Eaxtingly coarso and valgar, the figures anguar wrid atorether in the worse taste conceivable. th inforevenent, however, took placo about tho. ret we, whea the gronad, which is probably w mat ancicat known, was re-introduced; this respother than the one still in partial use, and bamimated the old French ground. About 1777, zithitursoof Buckingham and its nompted by the thich yuidld superseded all the neighbowrhood, rube puitid proud superseded all the others; this was mpprant trume the Netherlauds is supposell) been ppparmare (bis ground may be dated the first vitur midm pillow-lace trade ; but the origiu malid tereguning of the prescut cent was not be mos stiking improvements \(L\) centrury that wing the int quarter of the 18th century; the roche though certainly much more light and tant frum the coastruction of the ground, was menoippor and spiritless in the design. Was luathes ferr 1 1800 , a freer and bolder style way avpera wid from that tinue to 1812, ilho immed upuruxdentensequent success were astonishing
 tweserf in the degign that perfection, was nuifidin in the workman, and so delicate and mefere by the best spanship, as not to be ex.winthe by the west specimens of Brussels lace din Landan st from 20 to 100 guines tace were *What from 8 to 20 to 100 guineas; they aro avapetifion of machinery, how. The effects of Itine felt; and in 1815 the therer, were about enpesested by the new mroad laces began arluee trade bas sinco manufacture. The cutry into insignaficance been gradunlly Pis 3037 ycars back it compared with its simette y cars buack. It is diticult to form wr-dere making during it persons emploved in cition from the makers iu prosperity; but in wighbourhood, presented to Ouckingham and xun, it ras stated that 120,000 pers Adelaide dent on the trade ; but this persons were vean very grestly diminished number hac cthyoham Lace. - A framished,
cypham, named Hammond work knitter of Was the firts who made lam about the year et disipated and destitute of machinery. neat or credit, the idea struc money, emthe the broad lace on struck him, while xod fibrieate a a aimilar harticle whe's cap, that Whign,frame, (Gravilar article by meanson of
 Ebtame stout the for lace (introducelt The tham stout the same poriod) was called at atronced at
pin machine, for making siutle 801 althourh of the Mrussels gronle press point net in although loat here, is still 1 . This machine manufucturing the net called used in Franco in the age of experinents ; and tulle. This was leisure hours emploved ; and workmen at their new meslies on the hand themselves in forming a complete hexacon, whan, in the hope of perfecting all their efforts to diwh had hitherto eluyb frame was introduch discover. III 1782 the eluded making urarp lace: a which is still itl uso for attempted to make; and in 1709 it waso for atcempted to make bobbin net by machinery ; first
this was not found to this was not found to answer. Duriunery; but ceeding 10 years many alterationa werim the sucthe construction of tha malterations wero made in success, until at length, min 1800 , Ming, with no better Tiverton, succeeded in liso, Mr. Heathcont, of principle of the boblin discovering the correct patent for the boblin-net frame, and obtalnect patent for 14 years for his invention obtalned a power was first introduced by Mr tion. Steam tion till 1820, but did not come into active porer, a great stimulus wecame general in active operaa kreat stimulus was at this period piven to and trade, owing to the expiration of Mr. IVen to the patent, the increased application of Mreathcoat's the perfection to which the difer of power, and had by this time bee. brourftent hand frames prosperity shone on the tradt. A temporary individuals-clergemen trade; and numerous others-readily enmen, lavyers, doctors, and a speculation. I'rices fell capital in so tempting duction increased; but fell in proportion as proand the Nottingliam lace demand was immellso of general supply -rice frame becamo the organ plain nets, tho mostrivalling and supplanting in plain nets, tho most finished productions of fing, in thl the Netherlands.
Bobbin Net
this work, it was estimute,-In a former edition of employed in tho produated that in 1813 there were hands, receiving 165,000l. in of machine lace 4,000
was conses was confined to about 15 . 15 wages; that the trade and the neighbourhood, and tes in Nottinghater total value of the bobbinn and that the 'estimated amounted to 2,740,000l? \(A\) net and warp lace trade has taken placo since that remarkable advance improvements whicl that period, owing to ance chinery. In an admirable paner made in the mathis manufacture, read by parer on tho history of Nottingham (a most complot. William Felkin, of the Society of Arts, competent authority), befora for May 1856, Arts, and published in their Journal ace upon the machins: 'The era of ornamenting in-the results are now starting certainly been ashered importance. Every fancy artig and of incalculable lace edging to the two-yarticle, from the narrow requiring some the two-yard-wide store curtain, the design, are now as much yarns to complete mechanicians, designers, and workillarised to our Were 20 years ago unthourlt workeople, as they Nothing can establish more cont of or unknowni, Which lias resulted to the trade, owively the benefit provements in the machinery, owing to the imreduction which has taken, than the periodical the square yard. Mr. Felkin pace in the price of patented machine was a Fempln says: 'The second motions to the formation of a mesh ; it required 60 at one of these machines of a mesh. 36 workman produce 1,000 meshes a minute in width, could have gradunlly been reduced tote. The motions 5 yards wide will turn off to six, and a machine minuto with ease. The first finished meshes per sold at 100 s . the square yars finished pieces were

 \(1850,4 d . ; 1856,6 d\). t the last is \(1836,10 \mathrm{~d} . ; 1842,4 \mathrm{~d}\).; age price.' These reductions hout a natural avergreatly promoted by the imp, however, have been 3 F improvements simulta-
neoully made in the apioning of fine yarns. In
 in 1dial, only lon. per lb. : mad No. :- 10 in 1810 brooght IWos, while in instita acling prico was 1iss, ouly. Mr. Felkin adde:-
' In In:31 embrc dering and finishing of lace employed wholiv, of lo purt, about lob,000 hands. They received wages \(1,600,000\), in the year 'thin
 IIt Ixisis to 350,0001 ., and 35,009 linnds. Including wages at the machines, as well as the sulwequent prowerses, threre has been maid (10 at least 1:30,000) hande in Ishifi, 2.200,0000, in wagen niate, in this. departinent of the Notrimghan lace trade.
- In conclusion, the manufacture of bobbin-net lace by machinery is acafcely half a ecotury ohl. Tho fislowitge will give an approximate idea of what in thi brief interval it has become in this country:-
- At several periods an account of the machinea has theen taken. In \(1 \times 15\) there were \(1 \cdot 10 ; 1820\), 1,008 ; 1824i, 2,54i9; 1831, \(1,500-m a k l u g\) a return
 1834, 3, 800 , returning \(2,212,0001\); in \(\mid \times 11.1,4,200\), returning 2,905, (owol. In 1851 Mr. llirkin, report ing to Scetion 19 of the (irent Exhibition, found \(3,200(34,3 \mathrm{H} 2\) quarters widhts) ut work, returuing \(2,300,00(11 .\), employing ahout \(2,906,9\) lial, enpital and 133.015 hands. Conital in Imbbin-uct mat chinery alone was extimuted at \(1,329,4\) - \(\%\).
- In 1856 the machinery la Incrased to 3,500 (full 40,000 guarters in width), and greater power in probluction in the new ones. Also a far larger proportion is emploged upon silk materials, and the mumber of frames moking fancy gools forms now far the largest proportion. 'Ihese changes will serve to necount for the very large increase in the returis of the trate this year beyond 1850. 1,350 machines at lenst are rotary eirculars, making plain goods by power in factories. At lenst 1,050 making fancies are worked by power, probably many moro About 2,158 machines in all, partly "Ievers," partly circulars, some pushers, nud some traverse waris, make fancy goods now. The mnterials are all imported, and cost on importation cluilig the past yenr 920,000 . The returns were \(3,680,0401\)., or therenbonts. This left for wages, interest, and prolits, 2,760,000

If to these figures be added the eost of materials (all imported) ill the warp-lace trade, 611,0001 , nnd the ultimate returns, 360,000 l., the result of the operatious of the entire machine-wronght Engli-h lace trade will be: Raw materials used cost, 980,0001.; total returns, 4,040,0001. ; paid in wares, interest, wear and tenr, and profits, 3,060,000l. T'te entire uamber of hands employed may be atated at 135,000.

The trade was, until 1850 or thereabouts, cooped up in small unsightly workshops and wrehouses for the most part, but has been transferred to a large extent into some of the noblest buildings of which any manufacturing town can boast. Factories, dressing-rooms, and warehouses are all becoming spacious, niry, and, I trust, healthy; at lenst \(2510,0010 /\), has been expended within the Inst 7 years in this class of improvements.'
Between 1856, when the above nccount of the trade was written, and 18i9, the wholesale hones had incrensed from 115 to upwaris of 210 ; and \(n\) grent many patents had been takenout for improvements in machinery for making fancy lace, for fabries to be produced from lace machines, for gloves, shirts \&c., and also fur making gloves complete on the machines without scans. new combinution. by 4 different machines, of an imitation of Maltese lace was producen, and sold at 7s. per yard, which in ['aris was readily
aold for 35 franem. This class of machine has grudunlly been increasiusg in Sortunghy and lis meighouthoosl, and Mellsumene in that whire; and from tho great varicty if articy prestheal, it in likely to go on increasing. In lat the machinery in Nuttingbam and ita nuburto ho Increased by upwards of \$00, makligg an allifitmat amount of 1.200 quateres in width. This numb would have beel cousiderably greater, but tent fanic in 1 sia premented it. At merent repo muchlnes are being buth. The lucrease of mat nery may be clansed as follows-riz. So formation fancy lace, and 100 for plain thets. A fow hal't i, exported to lirauce and llatechona in shain "Mpulations of Nottingham and its mubarla
 of which was employed ite tho lace and hom trudes, aud it was lielieved that the number linnda employed, as well as the amome of carie incrensed beyoud Mr. Felkin's estimate in portion to the additional number of mad which had heen introduced. Sweh had been progress in the manufacture during the few breviuls to 1859, that mome descriptions of is da. Spanish, Maltere, and Plat, were produced machinery in such peefection, thint they can sem be fecognised frotn cushion-made gootho however, at the competition which exists in rade, the \(\mathbf{m}\)-nufacturess very genetally comp of the moma, a, mins position in which they are with resperet to the French machinemale which is allowed to the imported duty free: he limelish manufacture lasstrictly pribibited entering lirnace. They complainsloonfthep mode of registering pntents, as it prevent tha invest|gation into the charncter of the mut which is wo essential towards their impoteme
The Embroidery branch of the Isce trie employment to many thonsands of fempa Nottingham nud London, and their peigh hoods, and also at Cogreshall in Esue. Felkin estimated that in 1813 not lexs than is were employed. At the Great Exhinition in (Class X1X.), n most interesting displayd d peclmens of this induatrina art was preent the public, and a very able paper on the lae generully was contributed by the reported Section (lichard Birkin, Esy., of Nittirgt There are, however, no statistics which it any accurate estimate of the number of \({ }^{2}\) (women and childiren) now engaged in the phriment. Owing to the great perfection to machine-made lace has arrive!, particulaly the succe sful Introduction of the Jacquand m ing, it is understood that the embnidery bra the trade has very greatly declined of late although in numerous articles of dress ' \(i\) 's lace' still continues to maintain its etal character.
The remnarkable improvements which har gradunlly introluced into the manafart machine-male lace have seriously interfer the pillow hare trnde, and many thonsandof and children in the counties of Bedfint and ingham are now tinding a better reward for labour in straw-plaiting. This applie, bo rather to the narrow humi-muade lace thas highest descriptions of this industrial ath continue in grent favour with the fuat classes. At the Great Exhibition in 8 oit mens of lloniton lace (the most tated flourishinge of the Jritish pillow-lace prot Were exlifitited in flouncings, shawls, safl kerchiefs, berthes, and a variety of other varving in price from 10 to 200 guinex and there is a strong feeling, from the rent

theys eama 16 s,
levers hands :
colnsig of machinery asing in Nottinghan I Melbonitne in Ihriyo - variety of articlé in anel its subutbe hivd J. nukking ati whlitur width. 'This numb ly greater, hat not At prement vory 'The lucrenae of miar' ws-viz. 200 firmahin nets, \(A\) few have ir reelona in Stain, 1 and its suburto \(\left.16,5,(0)^{3}\right)\), the majut the lace and bor at that the numbly s the amonnt of caris Ikin's estimate, in It number of macla d. Sinch hal been re during the few se ne description of ha I'lat, were praducel in, that they cun sa - made gookly, Lom on which exista is very generally com in which thevafe ch machine-male ported duty free; istrictly prubilitel nplain alse of thepr 3, ss it prevents that nacter of the mach ils their improwmer I of the lace tride ollsands of femila 1. and their neight ceshall In Esser. 813 not less than in Ireat Exhihition in restiog dixplar ol d ial art was present e paper on the late by the repoter of lisel, of Nuthing statistica which for the number of \(f\) ow engaged in the great pertectionto rived, particulafr of the Jaequand ix the embruidery bra y declineal of late tieles of Uress'lis nalntain its estal cements which har to the manufit seriomsly interlen aany thousande ol 1 ies of Bedfonl and better rewand lo This applies, bor 1-made lace tbas lis inulustrial arth with the fowi xhibition in \(183 \mid\) (the most taste pillow-lace pod ngs, shawle, scart variety of other 0 to 200 guine ing, from the relif on of elegane des.
lid dearment, that it will continge mund net withataulling the remarkable improve path in that proditeed by machinery, which frovemulur prive is withith the demnit of tho fower Cures. Bur, like works of hish art, Houltun lace a mampied by the higher claseses as than mace aster-the origimil picture nal not the cunt of a ismenepuaty hell in highest eat the cripy, and thwesh bin the whole the talrication of pillowe lime sumpumationably fallen oft' a now deprartureme andtel nature has spruag up, whieh hancut of aphaizent to many thoonsants of women aned minn in the United Kinglom, hat expecially in hived A deserption oif laco termed 'cruchat pax mon has brem turitit very menernilt of hate thosmal schomet, Inoth in the rerp generally in the Whand The famine uf 1 sio north diall sonth of dhbasene persons to the 17 directed the attenti.n mphmenf for the starving enicucy of providing withis new department if industrial art country; prave there to \(n\) great extemt. At the now inemere it is trelieved that not less than present ruea add chiliten are encragel in that ad a the embroilery of tine unslin branch deprailing taste, not only required ins to meet main paulation, but for expart to aif our own theode, The crisisis in Isin7, which prrts of pand by the tailure of several of the larger honses mide and of whum in the embroidered mussliu ia, wo pems in the uerth of lred from 50,000 to pratios to those who were corinat, led to great mand bot they are now re engafeed in that 4mawiantich on that recoveramg from the atite meting of the Social Scieuctio trate.
 aterste Sottiugham lace traile:- \({ }^{2}\) er on tho - De pencess of the town trale :Chem in pepulation nnd materint surbs of Not. parenary bas been much materina wealth daring thiserse of the :ace manulvactured, he snid, by Kximptum has a ace mininutian of ares of the place. ithin the limits of the munici of nbout 75,000 0 widdring the suluurlan marisherough only ; memally purts of Nottiurt parishes, which aro Ahm orat It has risen from, there are about Whistere were 179 risen from \(3 \overline{5}, 000\) in 1811 . whisett ; of these 209 ve re at tivines making tuuple, 369 at Chard, Were at Tiverton, 100 at An and dear Nottingham. Al Derbyshire, and starere warps, 42 liush. Also 1,588 levers, Niw neghbourhood, making a to inshet ing inam
 ven theee \(, 2,19\) were making nilk and 400 warp lineo 1,4,2 wide. There were employed ace, and 1,4, and on fance were employed on plain 4eimitations of cusshion hace than latter being : Althuyb, since 1862 , there han ever before Aloctuations in in demande 1862 , there have occurred dill and ootton in demanateriul, and the prices of peent, the amount of mane advanced full
 Pepire pratuction contiunt thes to same as 1862 . Hin Mostingham, excentiumes to that at finimished and ten of hands suld Lutedom. The approximich Tvis be backe mandluyed in 1865 , for the whole uen emplay yel in 18ury, may be thus stated: to tobbing; carriakes, puins for making matos to, at arcriakes, points, guides, combe, Th men and younthe wates of :33se a week; mis and in lesser naty wro in 130 larger
 then' hands ins, \(n\) wew., and 3,500 tirstin the entire day of thits of 4 and average. lay of 18 hours, during

ACE:
which the engine is going 403 whotliug, thrending bobbing 4,200 hoyn elearing nit mender and overlowklng, i \(2 s\), ; 15 wouneu tillnict meuders, who nsually rectis, 15,0001 hrown thetories, nad free them from recive neta from tho threads. It is genernally from the foul or numeve to hons huld work, by whichernentary labwir
 temulente men monders, buudera men warpers,
 3fio porturs, tisw, 1210 carters ; 60 chrpenters, :3Ms.




 werlookers, 1 isw; 100 draushen, \(12 x\); 2 20t frmale
 salaries. Therremere cmuph and clerks taking ace warchomse frum fitplayed it ench finishing and nature of the buto 600 fernales, ats the sizo umber camme be knowness may require. The They are taken truwn exerpt by actuna censur moviting and other cinitedour hands in benown. hours ire 8 A.s. to pinployment on inco. The 9, on ane A.m, to 7 r.m., and the wages are abe kiuds of average; wertine is paid for about kre in of work must be sectu to be paid for. The are in zeneral nure wearis to be understood, but some of the theturies, whan worke than heavy, In and in dreswintr-ries and workrooms in lace housees, pressive. In general whe heat is sumetimes op hut hands in general ventilation is provided for, There is a far grenteruya care to make use of it sor. etimes from a too enuly of females employed. " mistresses," often the early nge, in the houses of ing, seallep, ofter, carding own mothers, upon drawsimple puough' anrou ping \&c., processes light and tained from finishing houses. which have been ob must excreise care and clennliness o young people they weuld be spoill. When they on the goods, or the warelouse the mistresu ren they are returned to which she takes a portion for hes a price, out of damage, tire, lights, houstion for her labour, risk of persons employ i2 to 20 younde. Some of these number camot hie known nearg girls. The total census. It being considered necurately except by
ment, thestic ment, they are not under recistration or employexcept upon complaint made on son or visitation, A great improvement has been sonitary grounds. to the age at which these childing on in regard this kind of work, and the children begin to to labour. The change dates frours of their daily report on this important subject Mr. Cirainger's remainang departmontant of subject, in 1844 . The nection with the machin female labour in conbroiderers with hooh or machine trade is that of emlace rusners, once ammuntille, seam-joiners, or reduced to a sixth of hat mumb to 150,000 , now weekly carnings in 1837 was ther. Their averase and more for the better kinds.; now it is donbled, the inproved inechiner kituds of work. As fist ns nearly finished on the machines ready for work, the lace embloroiderery were const ready for sale, 18.10 an emigration set into censt aside. About the districts within 50 mile Nottingham from all ing warehowse and miles to supply the increasquired in both the autloor temale inhourers reans thus been added thand hasicry trades. There population of the whe the anready surphas female 26 years. In the phe 3 claseese 13,000 within the last 90,000 to 100,01100 e classes are computed from \(38,0 \%\) above chomales, which, udded to the 135,000 conphoyed in the makes a total of to the in 1810 jo. llie 1 an the late trade of Nottingham 1.715,(00)!; the wapes warked up cost about 3,4iz,(000) or therealum and protits a nomnted to may be stated at \(\overline{5}\), lim, ,0ow, and the net returns
?

\section*{L.ACE}

Our inports of lace, ehietly from Delgiun and France, during the year \(1867^{7}\) were estimated at \(19 i, 607 l\)., of which 1,2901 . worth was re-exported. Our exports of cotton lace and patent net wire in 1867 were valued at 4-6,4201.: mere than half of this amount wos shipped to the United States, France, and IIolland.

Foreign Lace Trade.-The application of the Jnequard monnting to the bobbin-net machine hans been nttended with \(n\) grea inerease in the lirench matufneture, and in a very superior taste, in imitation of the most favoured 'grounds,' particularly at Calais, St. Yierre de Calais, Lyons, and Cambriv. The Cnlais machines numlinred in 1839 , 705 ; 181.1, \(801 ; 1851,603\). Many have been replaced by wider and speedier machimes. They had 3 nushers, 14 traverse warps, 124 common dirculars, 141 Jnequard circulars, and 321 levers; 50,000 females were emplcyed, besides the ordinary proportion of machine hands and attenclants. There were 800 other machines nt Boalogne, St. Omer, Douay, Lille, St. Quentin, Caen, and Lyons. More expensivo goods are procluced on Freneh machines than on ours; and English plain nets, which were formerly extensively cmuggled into France, are now supplanted by the. own. They have applied the Jacquard apparatus to their machinery with much success, and of late years have ceased to copy Nottingham patterns, turning their ewn taste in designs to good use and profit. There were at Brussels in 1850, 16; at Termonde, 8; at Malines, 5; at St. Josse, 4-iti all 31 machines in Belgium-chiefly making 3twist Brussels net, upon which eushion flowers were applied. In bobbin-net machinery there are probably in Switzerlend, 80 ; in Saxony, 70 ; Austrin, 100 ; Prussia and Russia, 30 ; in Spain and other countries, 80 -altogether 360 . (Felkin.) Since 1855 these branehes have been steadily increasing. Lembroidery work has atsu ennsiderably increased, and for some years past has extend to the departments of La Meurthe, La Moselle, La Meuse, and Des Vosges. In the lntter, forming the ancient province of Lormine, this !eautiful branch of industry has arrived at great perfection. It is estimated to give employment to from 150,000 to 180,000 females, spread over more than 20 departments of France, who carn from \(8 d\), to 1 s . per day, and double that sum in Paris. (Birkin.)

Hand-made Lace may give employment to upwards of 200,000 iemnles of all ages, who earn from \(6 d\). to 1 s a day. It is principally earijed on at Caen and Bay cux, Chantilly and neighbourhood. Lille, Arras, Nlirecourt, Du l'uy, Boilleul, and Alençon. The lace of Alençon is the o:ly fabrie not made on the pillow, being worked entirely with the needle. It was introduced by Colbert in 1660 from Venice and Genoa, and is the only lace made witil pure linen thread (handspun)-the thread being worth from 100l, to \(120 l\). per pound. (Birkin.) Some beautiful specimens of hand-made lase were exhibited from Switzerland; and so grent is now the demand for the article, that the manufacturers are torced to employ large numbers of females in the western provinces of Austria and the southern provinces of the Duchy of Baden. l'erhaps 40,000 persons earn their living by the embroidery brunch, first-class hands receiving 1 s. per day, and secondclass from \(3 d\), to \(8 d\). 100,000 pairs of cartains alone are estimated to be imported into Great Britain. But the Swiss also export largely to Aneriea, Germany, Italy, Spain, nilothersouthern countries. Specimens of laee and embroidery werc also exhibited from Saxony, Spain, Hamburg, Austria, and Malta. Belgium continues to sustnin its high character in the production of that loeautiful art, and (with the exception of poin. d'Alençon,

\section*{LA GUAYRA}

\section*{mate in the north of France) Brussels produces} the most vnluable known lace. Mrehilin laces ar made at Malines, Antwerp, and the vicinit. Yalenciennes, at YPris, Menin, Courtrav, linut; Ghent. and Alost. The village of Grammong, remaringble for great improvements made in white thread lare, and also in black-point trimming laces, Some beautiful specimens of hand-hade lace are new also imported from Madeira.

We are indebted for the greater portion of this learned and very excellent article to Mr. labett Slaier, of Fore Street, London.
LACK or LAC. A word nsed in the Ea Indies to denote the sum of 100,000 rupees, whilh, supposing thea stardards, worth \(2 s\). each, alnount
to \(10,000 \%\), sterling. to 10,0001 . sterling.

LADING, BILL OF. [Bull of Ladivg.]
LaGAN. [Flotsam.]
LA GUAYRA. The principal seaport of the republic of Venczuela, in the provinec of Caracens, on the Caribbean Sea, lat. \(10^{\circ} 36^{\prime} 19^{\prime \prime} \mathrm{N}\)., \(67^{\circ} 0^{\prime} 45^{\prime \prime} \mathrm{W}\). Population estimated at \(x\) ming In 1810 the population is believed to hare amounted to 13,000 ; the reluction being a corce quence of the loss of life eaused by the tremendura earthquake of 1812 , and the massacres and pro seriptions incident to the revolutionary var, fro population of the city of Caraccas, of which 1 Giunyra may be coasidered as the port, fell from the same causes, from 43,000 in 1810 , 23,000 in 1830; but they are now both increasing

Port.-There is neither quay nor mole La Gunyra. Ships mocr E.N.E. and HiS.W with their heads to the N . at from + to \(\$ \mathrm{mi}\) from the laul, in from 9 to 18 fathoms. \(\pi\) holding ground is good; and notwithstancing it openness of the road, vessels properly found anchors and eables run very little risk of bein driven from their moorings.

Trade.-The principal articles of export coffee, cotton, cocoa, indigo, hides, sarsaparilla \& The principal imports are cotton, linen, rooll and silk stuffs, with hardware and catiers, wine baberdashery de. La Gunyra shares the inde Vedezueln with the ports of Cumana, Puer Cabello, Maracaibo de., haviag gheut \(\frac{1}{4}\) of entire amount, which, however, is insignificu In 1867 the estimated value of our imports in Venezuela amounted to \(85,943 l\), while in 18 they amounted to 202,0361 ; aad the value of exports thither in 1867 amounted to 269,11 while in 1866 they were valued at \(4 i 6, \pi 60\)

The gross value of the imports of La Giarat 1864 amounted to \(5,023,779\) dols., in 20 reselt oj5,784 tons. The imports were chiefly com Hour, provisions, textile fabrics, cutlery and th The chief exports are coffee, cotton, cocos, io \({ }^{3}\) dye woods, skins and hides. The exports goods from the port are loaded with hearryey and most imports are severely taxed. The lowing nre admitted duty free : corn and provi:g The following are prohibited: snlt, cocos, of indiso, sugar, honcy, syrup, molasses, and rum
Port Regulations,-On casting aachor, sitia paid by the collector of customs, of his of accompanied by other officers, who thke from mnster his register, manifest, and mostef and an officer is left on board until the cry discharged. The master must swear to his \(\mathbb{m}^{2}\) lest within 24 hours after his arrival, ritad permit to diseharge is granted, and withio od nill invoices must be presented. The dietrif completed, the same otlicers repair on barry examine the vessel, and all bcing found in of the officer is withdrawn. The clearing of a re outwards (that has entered with cargo) in ber is then completed by paying the pot dhas

YRA
ce) Brussels produces ce. Mechin laces aro p , and the vicinity nin, Courtray, Bniges, llage of Grammont is cments made in white -point trimming laces. of hand-nade lace are deira.
Yreater portion of this article to Mr. Rowent lon.
rd used in the Fart 100,000 rupees, whith, vorth 2s. each, amounts
"Bhal of Ladisc.?
incipal seaport on the ce province of Caraces, , \(10^{\circ} 36^{\prime} 19^{\prime \prime}\) N., lon? estimated at 8,4 is beliered to har cduction being a cor a sed by the tremend he massacres and evolutionary viar. 1 Caraccas, of which L d as the port, fell of om 43,000 in 1810 t re now both incerasing quay nor mole E. N.E. and II.S. N. at from \(\ddagger\) to \(\frac{7}{4} \mathrm{mi}\) 9 to 18 fathoms. ad notwithstanding th isels properly found ery little risk of bein
articles of export o, hides, sarsapanill dis e cotton, linen, rooll fare and cutiers, wind ayra shares the trade \(s\) of Cumana, Puer having ahout \(\frac{1}{2}\) of owever, is insignificus lue of our impots in 85,943 ., while in 10 \(l_{1}\); and the ralue of 0 amounted to 266,11 alued at \(4 i 6, \pi 60\). imports of La Garara 79 dols., in 20 i rexien \(s\) were ehiefly con abrics, cutlery and to ee, cattonl, cocon, ides. The expots onded with hessrdat werely taxed. Dhe ree: corn and provisig ited: salt, cocos, of ip, molasses, and numb casting auchor, n is customs, or bis . 4 g icers, who take frow nifest, and moster ard must swear to mbe antel, and withins 3 osented, The dishe cers repair on beer all bcing found in ou The clearing of a d with cargo) in ying the port chans

\section*{LAGUNA DI TERMINOS}
prof wherenf being produced, the permission io anis signed by the governor and harbour manster. mality, as to visting on bonra, then the same atry of vessel. Credit--Gorts
Mupon credit ; those expare alinost invarinbly wod, always sold for rendy moner, on the other ctalit rary from 2 to 6 mor. The terins Bendrupter is very rare. 0 months, or more. Money, Weights,
athe country consists of silures.-The curreney the name of macuquena, divided into. kown hy ralk) (o. of 4 reals, besides reals dolars of 8 glaraillas or \(\&\) reals. This money is of rents, and tulal weight and purity, the coins of very unthe commencement of the coins issued since laring been often a good deal devohtionary war tholi be worth \(5 d\), sterling.

\section*{Hexth oud measures.}

Tort,-Real tare is taken as those of Spnin. Houst ond br the merchant both at the Custom
a .i. the merchant.
Commercial Prospects. - The commeree and inwitry of lonezuela suffered severely from the reroutionary struggle of which she was the mat comparatively country has been for some time past comparatively tranquil. As the riches of mieltare the entircly of the products of her thetld tithee thete it encouragement, by abolishin.r dis supprof efficient laboly \&e. sut the want stolition d slavery, is the grandiug out of thic promese of industry, is the grand obstacle to the progess of industry. An ablo-bodied man can fanm eneryd by a day's labour to keep himself lara retk: aad such being the case, can anyoue arstem for the sumply of unless some sort of monted to? In countrics compulsory labour be fidenes tor span countrics like this, freedom and brames are synonymous. The British consul at 6 cummere there 1807) says that the increase ether por of Tenezuela. The import at at nay moies, which nmounted to 110 import and expcrt soi, roald, it is stated to 110,0001 . sterling in Hus, but for the smutgling reached \(1,000,000\) adfrpad unstom-housc enging, connived at by lie have derived themployés.
harnler Ruturns, and partly from partly from private infor-
ARINEX. A Seaport on the or LAGUNA DI Wifillerico, State of Yucates Shore of the , log. \(21^{\circ} 51^{\prime} 22^{\prime \prime}\) Y ucatan, Iat. \(18^{\circ}{ }^{\circ} 8^{\prime} 44^{\prime \prime}\) toléng situated about 1 It derives its name tremicy of Carmer Island, mile within the S.W. destraits or entrances loaline most westerly agon of Terminos. Population into the basin seport, which is secure aulation about 3,000 . gulf has from 12 to 14 fect we the best on al the entrance to the fect water ower the ater drautrate to the lagoon. Vessels of derer, draught load and unload by means of heor, outside the bar, in from 3 to 4 means of emter the \(P_{0}\) ground.
alango Point, bearing ber over the bar with at Sacatal hears S.E be compass S. bar with wod when the N. side \(\frac{1}{4}\)., and then steer for aut in, haul up for side of the island berring lead is a safe gar the anchorage off the town. nel bat not on the \(E\). he chiel tran the E .
pring of logwood, the town consists in the te aame of Campeachy wood foreign markets oricinally eampeachy wood, from its lown in thang and shipperl frem it. But vicinity of that to be an entrepôt for But Campcachy has be ath entrepôt for ligwond. It is how pen. 4 nination. 5. The

\section*{LAMAR}
principnlly eut down on the
the Inercon of 1 on on the maintat yeved to lagumminos; and being thencoing from it to all
Vessels arriving of the worlel.
genernl manifest nud winvoicergoes must bring a The Mexican Consul oice in tripliente, certitica Those arriving from a foreign port in of departure. produce a clearnnce either fron port in baiast, must sul or the authorities of the plise Mexican Concame, showing that they britace whenco they
lilotago 1 dollar they bri.g so carro , they charres such 75 enuts per foots. charges, such ns harbour raaster foot; other port Ehipg of liealth de., athoui 25.1 fecs, anchorage Euips arriving direct from \(2 \overline{5}\) tollars cach vessel. LAMAR ents per ton for ionr oreigen port pay 1 remblic of. Formerly Contage dies. the wrest eoast of Sive the ci-devant; a seaport of the S., longr. 700 of of South America, Upper Jera, on S. . long. \(70^{\circ} 12^{\prime} \mathrm{W}\). Pouth America, lat. \(22^{\circ} 39^{\prime} 30^{\prime \prime}\) In 1833 Lamar was Population about 5000 it centres almost the whole a free port, and in of the republie. Its situatien isect forcign trade infavourable. It suffers preatl, howerer, very fresh water; and is obliged greatly from want of visions by sea, either from to import all its prohand, or from Arica on the Vnlparaiso, cil the one Atacama lies between ic other. The ilesert of populous part of the it find the iuternal and Potosi, Cochabame conntry; where the towns and The produce Cochamba, Chareas \&ere, are situs of The produce imported at Lamar are situated. across the desert on the backs of is conveyed interior; the gold and silucrof of miles to the hrought in the same and silver of the mines beine These, with copper, way to the port to be shipped and wool with copper, saltpetre, chinchilli shipped. and wool, form the principal articles of, skins, Saltpetre is found in larige quantiticies of export. the copper is found near the contics in the desert; the scarcity of fuel, most part of it is of, owing to lerupe of ore.
Peru posesses
stretching along the coint narrow slip of land Arequipn to the Bay of pien pacifie from naturally to belong to Bof Iica, which onght littoral of the later to Bolivia, heing, in fact, the has set on foot vater. The Bolivian Government cession of this tracts negotiations to obtain the proving the fronticr of the repubides greatly the same time, render her the republic, would: at the is, in all respects, much betress of Arrci, which for becoming the eutrenotiter fitted than Lamar however, these negotiations her trade. Hitherto, 30 that, as already stated, Lame proved abortive, engrosses most part of the forcign, at present, state, which, however, is but foreign trade of the 140,0437 and from Bolivia in inconsiderable. Our 40,0431, and our total in in 1867 were valued at We subjoin the decrec conat 3,9667 .
ree port:- the decrec constituting Lamar a
1. From and after July 1 of this present year open. Port Lamar shall le absolutely frest year
2. Vessels of every nation may enter this port subjected to ns long as they please, without beint or during their tins whatever, either on entrance 3. They slin stay, or on their departwe. age, toma sinll be free from nll dut
car tomage, shifting, unloading of anchordengo, deposit, storage, or any or, or relonding, of
4. Goods may be de.
houses, without any iaterventin in private ware the Govermment. intervention on the part of
pressed. In its stead House of Port Lamar is supoffice, for the purnose of distribu Commissioner's the transportation of gools into the int permits for of gools into the interior.

\section*{LiAMB-SKINS}
i. Whenever gools are to be rent into the interior, they mast tirst be submitted to the Commissioner, together with the invoise corresponding.
7. The Combsissioner will register them in a berk, together with their vatuation made by two merchants of the place, and the names of their owners, of the person tor whom, and the place where they are to be aent. This is to be signed lig the person entering the goods, who at the same time binds himsell to have then transported direct to the Custom Ifonse for which they are destined, withont opening any of the cases, bags, or other enrelopes, euch of which shall be sealed, marked, and numbered before departure. These points are to lie expressed in the permit.
\(x\). The Commissioner shall by the earliest post send a notice to the collecter of the Custom House for which any merchandise is destined, specifying the numbers, characters, quantities, and qualitics of lis several articles.
9. The grods must not be carried by any unaccostomed roads, but only through Calama and the publie thoronghfares: and whenever they pass through any place at which a guard or commissioner is stationed, the permits must be exlibited, in order that their arrival with their seals unbroken may be ascertained.
10. Merchants, either in person or by a representative, must produce to the Commissioner of the port a certificate of the delivery of the goods at the Custom Llouse for which they are destined witain 6 months from the lay of their entry; in case they do not, they must at the end of that period pay the whole of the duties on them.
11. From and after July 1, 1833, all goods entered at Port Lamar shall pay a duty of only 5 per cent. over and above that of 2 per ceni. to the consulado.
12. The duty of 5 per cent. shall be paid thus: at the port, 2 per cent. on the valuation male as aforesaid; and the other 3 at the Custom Ilouse in the interior for which the goods are destined. In each case one half at the end of 3 , the other half at the end of 5 months.
13. All goods carried from Port Lamar by land to any of the adjoining repnblies shall only pay a transit daty of 2 per cent.
14. A duty of 2 per cent. shall be paid on \(\frac{3}{4}\) of all gold and silver money entered at any of the Custom Houses in the interior for exportation through Port Lamar.

I5. It is absolutely prohibited to export gold or silver, in bullion or plate, except in small quantities for the use of the person carrying it out. It will be seized wherever it is found on this side the districts of San Antonio, San Vincente, Atoca, Agua de Castilla, Lequepate, or the line of the camal.
16. All hardware for agriculture and mining, machinery,-instruments of science or the arts, iron, stecl, quicksilver, and moral books, may be introduced free of duty into the republic, and prodactions of Bulivia may be exported likewise free.
17. A premium of 2 per cent. on their value shall be allowed on the exportation through Port Lamar of cascarilla, wool, tin, cocoa, and coffee, in the shape of remission from duties to the amount on goods carried into the interior from the same port.
The remaining arcicles of the decree are of a purely local nature.
LAMB-SKINS (Ger. lammsfelle; Fr. peaux d’agneaux ; Ital, pelli agnelline; Span. pielles de corderos). The value of lamb-skins varies according to the fineness, brilliancy, and colour of

\section*{L.AMP-BLACK}
the wool. Black lamb-skias are more genctall esteemed than those of any other colour. Eurli lamb-skins are seldom to be met with perfectly black: but since the introduction of Merion she into this comntry, many of the white thece b in point of quality, arrived at a pitch of perectio which justly entitles them to be ranked with and of the best fleeces in Spain. The importation lamb-skins is very large. The great bulk supplied by Italy: I'lus, of \(1,011,305\) undrase skins imported in 1867, no fewer than 5, 2 were from ltaly, the large proportion being : Tuscany. 'They are mostly used is the glo manufacture. The totai value of our imports lamb-skins undressed any dressed was, in 64,6451 ., mal in 1867, 59, 0491 .

LAMI' (Ger. lampe: Fr :ampe; Ital, lucen Span. hampara; Rinss, lampatu). Aa instrum used for the combustion of liquid inflammald bodies, for the purpose of producing artifit light.

It is muecessary to give any description struments that are so well known. The however, remark that the discorery of Sir II. Ds who by covering: the flame with wirc cauze, ceeded in produciag a lamp that mar be see used in coal mioes charged with inflammahle is one of the most ingenions and valuablethat ever been made. The following e itracts fo comminication of the late Mr. Buidle, an and well-informed coal engineer, esinee the importance of Sir Humphry Davy's inventio
- Besides the facilities ufforded br thisiare to the working of coal mines abounding in damp, it has erabled the directors and sip tenilents to ascertain, with the utmost and expedition, both the presence, the of and correct situation of ihe gas. Insteddef ing inch by inch with a candle, ns is usum the galleries of a mine suspected to mint damp, in order to ascertain its presener, we firmly on with the safe limps, and, with most contidence, prove the actua, state mine. By observing attentively the seral pearances upon the flame of the lamp, in 4 amination of thie kind, the cause of aef which bappened to the most expeaienoed cautious miners is completely develuped, this has bitherto been in a great mesuret of mere conjecture.
' It is not necessary that I should enlarge the national advantages which must mex result from an invention calculated to pr supply of mineral coal, becruse I think tit vious to every reffreting mind; but [aug clude withoui expressing my highest se of admiration for the je talents which veloped the properties, and controllei the of one of the most dangerous elements human enterprise has hitberto had to en

LAMP-BLACK (Ger, kicoruss; Fr. fumée; Ital, nerodi fumo, negrofumo; de humo). 'The finest lamp-blact is pi collecting the smoke from a lamp with wick, which sunplies more oil thao inf feetly consumed, or by suffering the flame against a metallic cover, which impedes bustion, not only by conducting of par heat, but by obatrueting the current of ini black, however, is prepared in a mpd way for the demands of trade. The ing remoin after the eliquation of pitch, or pieces eí fir-sood, are burmed in furnact culiar construction, the smoke of mhich pass through a long horizontal flue, in a close boarded chamber. The roof chamber is made of coarse cloth, innugh

\section*{LAND-WAITER}
ve current of air escapes, while
nore genctall lour. Emplith with perfectly if Herino shrep ite theecs have, tch of prifection anked with sone c importations great bulk and 11,304 undrase rer than 5 s.it ortion being furu sed in the ghor of our imports red was in 106 ape; Ital. lucena a). An instrumen liquid inflammab producing artitio
y description known. We overy of Sit Il.Ds with wire gauze, ss that man be sece with inflaumahie 3 and valuable thast wring e itracts frod Mr. Buddle, an ineer, evinee thes y Davy's incention forded by thisinerea anes abounding in directors and aup the utmost preas presence, the quily he gas. Instesdifa candle, as is usun! suspected to motusial in its presencer rt lamps, anid, with the actuai gtate du tentively the seras ae of the lamp, in the cause arenad apletely decrevped; a a great meassure

That I sbould enalarge s which must nexa a calculated to proba becouse I thiok the g mind; but 1 cang oug my bighest senu ie talents wrich bas and controlled be
langerous elements
iitherto bal to enow
ec. kicaruss; Er,
cr. nicegrofumo; Spum
lomp-black is riod
from a lamp rith
more oil thao im
suffering the Bame
er, which imped pit
conducting of \(p\) if
g the curtentof man
of trade. The dres
atiou of pitch, of te burned in furamer
\(e \mathrm{smok}\) of richisy horizoatal flue, ter
chamber,

LEAD
807
Lead is a metal of much importance in the arts. lis durability and malleability make it very suitable for the rooting of buildings, the construction of gutters, and such like purposes. It used to be very extensively employed in the formation of water-pipes and cisterns. But though water has no direet action on lead, it facilitates the action of the external air; and hence the lead of cisterns and of pipes from which the air is not entircly excluded becomes oxidised, and is covered with a white crust at the point where the surface of the water comes into contact with the air. Inasmuch, however, as this oxide is extromely deleterions, lead pipes and cisterns are now very generally superseded by those of cast iron. At present, perhaps, lead is more extensively used in tho manufacture of small shot than in any other way. Its balts, though poisonous, are used in medicine to form sedative external applications; and frequently not a little, by the disreputable wine merchant, to atop the progress of acetous iermentation. Wine thus poisoned may, however, be readily distinguished; a small quantity of the biearbonate of potass producing a white precipitate, and sulphuretted hydrogen a black one. Pure wine will not be affected by cither of these tests. 'The ox:de of lend enters into the composition of white glass, which it renders clearer and more fusible : it is also used in glazing common earthen vessels; hence the reason that pickles kept in common red pans become poisonous. Lead, with tin, and a small quantity of aome of the other metals, forms pewter; with antimony, it forms the alloy of which printing types are made.' (Jovce's Chemistry : Mineralogy.)
Mines of this valuable mineral have been wrought in England from the era of the Romans. It does not, however, nppear that it was obtained anywhere except in Derbyahire, till 1289, when it was discevered in Wales; and the fact that silver was found intermixed with the Welsh ores having transpired, gave a new stimulus to the business; bu' in other respects the discovery of silver was of no use; the quantity obtained being insufficient to defray the cost of its separation from the lead. At present, the most ,ioductlvo English lead minea are situated in Allendale, and other western parts of Northumberland; at Aldatone Moor, \&e. in Cumberland; in the western parts of Du.ham; in Swaledale, Arkendale, and other parts of Yorkshire; in the hundred of High Penk in Derlbyshire, in Salop, and in Cornwall. The Welsh mines are primeipally situated in the counties of Flint, Cardigan, and Montgomery those of Scotland in Ayr, Kirkcudbright, and Lanark; and those of Ireland, in Wicklow, Down, and Limerick. Lead mines are also wronght to considerable advantage in the Isle of Man. We aubjoin an abstract, deduced from the acsounts furnished by the Museum of Practical Geology, of the
Quantities of Lead, Lead Ore, and Silver produced in the Uaitcd Kingdom in 1867.
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{5}{*}{\begin{tabular}{l}
England \\
Wales \\
sise or Man \\
ireland \\
Scolland
\end{tabular}} & Iead Ore & Lead & Sulver \\
\hline &  & tons cri. & \\
\hline & 86,054 \({ }^{58,71}\) & 19,531 0 & 469,647 \\
\hline & \({ }_{3}^{3,789}\) & 2, 0,34 & 165,170 \\
\hline & [1,882 & \begin{tabular}{l}
1,308 \\
2,107 \\
\hline 19
\end{tabular} & 14,440 \\
\hline Total & 93,432 1 & 68,41014 & 8 805,594 \\
\hline Valued at & \&1,158,066 & E1,33:,509 & E213,400 \\
\hline
\end{tabular}

In 1867, 45,158 tons of lead were imported, and 38,950 tors were exported. English pig lead was worth, in the London market, in December 1E67, 19l. 1s. \(3 d\). per ton. In 1832 it was only worth 13l. 10s. per ton. Account of the Real Value of the Leud exported from the


In 1867, the transactions of the various leather rades all over the kingdom were estimated to be represented by from \(15,000,0001\), to \(20,000,9,410\). a-yenr in the aggregate. There are upwardy of a pect, is understated.) There are upward on a quarter of a million of persons the kingdom, and and seling hoosl. is cnlculated to be expendel ia int brunch of the trade alone. There are beweea 200 and 300 leather sellers' shops in London, aul there are abont 500 tanneries in various parta of the kingdom, employing about 400,000 persins directly and indirectly, in preparing and drasing directly and 80,006 tons of leather, the consumptian keeping pace with the progress of industry. (f) lides, 280,063 cwt. (dry) and 615,822 (wet) wee hides, 280 in 1867, and \(8,732,604\) llos. of tamed impore About 300,000 tons of indigenous caktark are consumed annually, besides impartstions, which in 1807 amounted to upwards of 406 , 60 cwt., and in the same year 272,333 cwt. of the tanned hides were exported. (Stat. Soc. Journa, June 1867; and Parl. Papers.)

In spenking of the leather manufacture, D. Camphell has the following striking obsemtions: 'If we look abrond on the instruments (i) husbandry, on the implements used in woin musbandiy, mades, on the structure of a malitito mechanic trades, on machines ; or if we contemplate of engines and machines, or home the necessary parts of ourching-bredify home the necessary pars the fumiture of ourbmes shocs, boats, glor s-arelves, the harness of atif the books on our shelves, the of our carizag horses, and even the subetance of huma indoy what do we see but instanas an aptitude hass exerted upon lenther ? variety of circumstanes h single material in a varictiy and supplying te the relief of our necessitics, veniences in every state and stane onty we hare it it, or even without it in we be exposed.' (PNO What dificulties should S.:eat Britain, vol. ii. p. 176.)
Leathe: was long subject to a duty; the mis facture being, in consequence, necassnily ducted under the surveillance of the excised 1812, the duty, which had previously amountal \(1 \frac{1}{2} d\). per lb., was doubled; and continued at per lb. till July 1822 , when it was sadued 14 to \(1 \frac{1}{2} d\). per lb. 'I he reduced duty pradued to 12 . per of about 360,0001 . It is clear, bary rever either the duty ought not to hare \({ }^{2}\) reduced in 1822, or that it ought to bare totally repealed. The continuance of any \(\mu\) the dity rendered it necessary to to ingure they vexatious regulations required to iname lection of the revenue, while the reduciorn in the cost of preparing a pound. It is, hang trinling as hardly to be sensily discussion to unnecessary to enter into the extreme inexpediency the labouring an article so indispensable of many brande and to the prosecution and still less to somy industry, as leather; and siling so very impotyy inexpediency or sufacture to a vestions \({ }^{2}\) vnluable a mans, for the sake of only 34 of revenue Luckily, these have become a-year. Luckil, the leather duties mere
of history. The of history in 1830 ; and as the mal
articles manufle is reason to think
1805 , at \(12,000,000 l\); and there is reasel wide of the that t
mark.

Las since been \(\mathbf{r}\) and restraint, i
be hoped that
acasion the rei
Alcount of the Leuther charg land in 1824-
 The quantity Soutised during reesace, ahout 6 Australia is by lor out exports o 1 geat distance Soiti Imerica, LEDGER. kept br merchant renso's sccount esiracted from th LEECH FISH egel; Dutch, blo and Sred, blodig sanguisuga; Ital. madicinal leech ( 1 b afond employm ersong is catchin mamon throughou labitiog lakes an nester part of the wrket; but som esex, and Wales stled from Borr
orght in spring a
ftothe pools and mis; or more g er wade in, the aid sets the leee the surface; w thand just before hed is a gooc Pnmson's Dispens Tie extract from ring interestin thes at La Brenn
* Euninteresting rable-looking, as bad-bat the If erer you pass man, pale and \(s\) on bis head, and long the bor left dry by mandy whereve rit the subjacer
leech-fisher. oobegone aspec his singular ge patieat who h riam. If you raising his leg the other, you is an intellige themselves to 5 their hauats;
drcount of the Real Value of the Leather Kxported from the Unitcd Kingdom in each of the with 1867. iture of outbrites he harness did ee of our canigas of humar moung an aptivamsanes fa and supplying ore age of life? Withe benty we hare in exposed.' (Polith cxp. p. 170. .) o a duty; the
ce, neczesarily
on ce, necessaratis cviously amomita and continued as it was again duty prodaced is It is clcar, born at not to base \(t\) ought to bare inuance of suly ary to contiave
ired to insure the ired to inction eound ef leatber rio ssible. It is, hari any discussion th of laying any to the labourim of many bracio still less to shas \(\mathrm{g}_{\mathrm{s}} \mathrm{se}\) very impor to a sake become
have or duties reere \(d\) as the \(m\)
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Axticles & 1861 & 1862 & 186: & 1861 & 1565 & 1866 & 18.7 \\
\hline & \[
\mathbf{3 6 1 , 4 5 5}
\] & \[
i{ }_{i .5 .6 .3}^{4}
\] & \[
44 n, 797
\] & \({ }_{381,8,42}\) & 419, 219 & 4.x,1\% & 408,208 \\
\hline Leute : tanned, unwrou & 1,526, 517 & (1,637, 5, 173 & 1, 1015 , 8109 & 1,141,1<1 & 1,462,103 & 994,N¢8 & 930,791 \\
\hline  & \(1,426,56\)
307,756 & \(\begin{array}{r}1 \\ 173,618 \\ 34 \% \text { \%13 } \\ \hline\end{array}\) & \[
\begin{aligned}
& 111,049 \\
& 341,664
\end{aligned}
\] & \[
\begin{aligned}
& 196,043 \\
& 315,900
\end{aligned}
\] & \[
\begin{aligned}
& 210,293 \\
& =50,535
\end{aligned}
\] &  & \[
\begin{aligned}
& 2=x, 5!1 \\
& 2 \times 0,1
\end{aligned}
\] \\
\hline Fullery and hirm & 2,196,038 & 2.538.139 & 2, 3, \(3,1,163\) & 2,405,306 & 2, 4612,151 & \(-2,030,161^{-}\) & T, sinnors \\
\hline
\end{tabular}

W since beca relieved from every sort of trammel tas sumetraint, it has rapilly increased. It is to bobed that no future necessity may arise to becasion the reimpesition of the leather duty.
Arount of the Number of Pounds Weight of Intount or charged with Duties of Excise in England in 1824-29.

\section*{104 - \(33,429,53\) \\ }

The quantity anmually charged with duty in Gulend during the same period was, at an srearce, aboat \(6,000,090 \mathrm{lb}\).
Australia is by far the most extensive market foroutexports of lenther; nud next to it, but at romet distance, are the Cape Colony, British Yit Imerica, the West Indies, Irazil \&c.
LEDGER. The principal book of accounts lept be merchants an \({ }^{-1}\) tradesmen, wherein every persods account is placed by itself, after being fesnacted from the journal. [Book-k eeping.]
LEECI FISHERY (Fr. sangsue; Ger. blit-
emei; Dutch, bloedzuiger; Russ. pirvitza; Dan. and Srad. blodiglar; Span. sanguijuela ; Port. asaquisuqn: Ital. mignatta). The demand for the medicinal leech (Hirudo medicinalis) is so great as to aford employment to a considerable number of terson in atching and selling the animal. It is sommon througheut Europe, America, and India, bisbiting lakes and pools. Norfolk oupplies the reater part of the leeches brought to the London whet ; but some are taken in Kent, Suffolk, ceex, and Wales; and large quantities are imwred from Borieaux and Lisbon. They are nggtitia spring and autumn, by people who wade flothe pools and allow them to fasten on their mbs; of more generally the catchers beat, as er rade in, the surface of the water with poles, tich sets the leeches in motion, and brings them the eurface; when they are taken with the ad and put into bags. As they come to the diace jost before a thunder-storm, this is reded as a good time for collecting them. mmion's Dispensatory.)
Tie extract from the Gazette des Hôpitaux the uning interesting acceunt of the fishery of thes at La Brenne, in France:-
The country about La Brenne is, perhaps, the * uninteresting in France. The people are arable-looking the cattle wretched, the tish sabd-bat the Iceches are admirable.
If erer you pass threugh La Brenne, you will a man, pale and straight-haired, with a woollen co bishead, and his legs and arms naked; he 3 along the borders of a marsh, among the - let dry by the surrounding waters, but colarly whercver the vegetation seems to *re the subjacent seil undisturbed: this man heed-fisher. To see him from o distancenebegane aspect-his hollow eyes-his livid bis singalar gestures-you would take him patient who had left his sick bed in a fit litam. If you observe him every now and raiting his legs, and examining them one the other, you might suppose him a fool; is is an intelligent leech-fisher. The leeches a themselves to his legs and feet as he moves g their haunts; he feels their presence from
their bite, and gnthers them as they eluster about the roots of the lulrushes and sea-weeds, or benenth the stones covered with green and gluey moss. Some repose on the mud, while others swim nbont ; but so slowly, that they are easily gathered with the hand. In a farourable season, it is possible, in the course of 3 or 4 hours, to stow 10 or 12 dozen of them in the little bag which the gatherer carrics on his shoulder. Sometimes you will see the leech-fisher armed with a kind of spear or harpoon; with this he deposits pieces of decayed animal matter in places frequented by the leeclies; they soon gather round the prey, and are presently themselves gathered into a little vessel half full of water. Such is the leech fishery in spring.
'In summer, the leech retires into deep water; and the fishers lhave then to strip themselves. naked, and walk immersed up to the chin. Some of them have ittle rafts to go upon; these rafts are made of twigs and rushes, and it is no easy matter to propel them among the weeds and aquatic plants. At this season, too, the supply in the pools is scanty; the fisher can only take the few that swim within his reach, or those that get entangled in the structure of his raft.
'It is a horrid trade, in whatever way it is carried on. The leech-gatherer is constantly more or less in the water, breathiug fog and mist and fetid odours from the marsli; he is often attneked with ague, catarrhs, and rheumatism. Some indulge in strong liquors, to keep off the noxious influence, but they pay for it in the end by disorders of sther kinds. But, with all its forbidding peculiarities. the leech-fishery gives employment to many hands: if it be pernicious, it is also lucrative. Besides supplying all the ncighbouring pharmaciens, great quantities are exported, and there are regular traders engagec for the pur ,nse. Henri Chartier is one of those persons; and an important personige he is when he comes to Meobecq, or its vicinity ; his arrival makes quite a fête-all are cager to greet him.
\({ }^{1}\) Among the interesting particulars which I gathered in La Brenne relative to the leech trade, I may mention the following: One of the traders -what with his own fishing and that of his children, and what with his aequisitions from the carriers, who sell quantitics secrid-hand-was enabled to hoard up 17,500 leeches in the course of a few months; he kept them deposited in a place where, in one night, they all became frozen en masse. But the frost does not immediately kill them; they may generally be thawed into life again. They easily, indeed, bear very hard usage. I am told by one of the carriers, that he can pack them as closely as he pleases in the moist sack which he ties behiml his saddle; and sometimes he stows his cloak and boots -on top of the sack. The trader buys his leeches pêle-mêle, big and little, green and black-all the same; but be afterwards sorts them for the market. Those aro generally accounted the best which are of a green ground, with yellow stripes along the body.'
A tract published at Paris in 1845, by M. Joseph Martin, leech merchant, contains a great variety of curious and instructive details in regard to the natural history of leeches, the trade carriad on in them, and the frauds of the dealers. They arc,

\section*{LEGHORN}
we believe, much more extensively used in medical practice in lirance than in England; and at all events, the quantity consumed in the former seems to be immense. Notwithstanding tho exhaustion of some of the marshes and ponds in different parts of the country, whence supplies of lecehes were formerly procured, great numbers are still obtained in France. By far the larger portion of the necessary supplies is, however, brought from abroad; principalty from Germany, Spain, Sardinia, Turkey in Europe, Algiers, Asia Minor \&e. In the French Custom-honse the imports are estimated at 500 leeches per kilo.; but M. Martin atlirms that 1,000 leeches do not, on an avernge weigh more than a kilo. Ilence the numbers and value of the leeches imported into Jrance during each of tho 5 years ending with 1847, will be-
\begin{tabular}{|c|c|c|c|}
\hline Year & Numbers acording to Officinl Resurna & Numbers Coraected & Offlel Value \\
\hline 184.3 & 17,607,696 & 35,21.5,392 &  \\
\hline 1844 & 1. 2326.673 & .30, \(16 ; 314\) & 456,980 \\
\hline 184.5 & 13,843,483 & 27,686,967 & 415,314 \\
\hline 1846 & 12,721,545 & 2, \%, 14, 030 & 381.647 \\
\hline 1847 & 11,790,840 & 2.3,581,6ik0 & 353,710 \\
\hline
\end{tabular}
(French Official Returns.)
The importation of leeches into France has, however, preatly declined of late years. In 1850 it was \(11,766,000\) in number, valued at 150 fr . per 1,000 . In 1355 the imports fell tc \(8,444,000\) at \(10 n\) fr. per 1,000; in 1857 to \(7,195,600\) at 90 fr ; ; in 1859 to \(5,873,000\) at 80 fr . In fact, the supply of this animal in France itself is so considerable that forcign importation has become unnecessary. The export of Freuch leeehes has risen considerably, the chief consumption being that of Spain nnd Naples.

In 1867 leeches of the value of 8,999 . wero imported into the United Kingdom, the value of the imports from France heing 8,2181.
A considerable quantity of leeches is now obtained in Australia.

LEGHORN (Ital. Liverno). A city and seaport of the kingdom of ltaly, province of Tuscany, lat. \(43^{\circ} 33^{\prime} 5^{\prime \prime}\) N., long. \(10^{\circ} 163^{\prime}\) E. Population, in \(1862,83,543\).
Harbour, Ruad \&c.-Leghorn has an outer harbour, protected by a fine mole, running in a N.N.W. direction unwards of \(\frac{1}{2}\) mile into the sea, and a small inner harbour or basin. The water in the harbour is rather shallow, varying from 8 feet in the inner basin to 18 or 19 feet at the end of the mole. The rise of the tide is about 14 inches. Ships lie within the mole with their sterns made fast to it by a cable, and an anchor out ahead. The lighthouse is built on a rock a little to the S.W. of the mole. It is a conspicuous objent, being about 170 feet nbove the level of the sea. The roadstead lies W.N.W. of the harbour, between it and the Melora bank. The latter is of sand, lying N. and S., 4 miles in length by 2 in breadth, the side nearest the shore being about 4 miles from it. It consists, for the most part, of sand and mud, and has from 3 fathoms to \(\frac{1}{2} \mathrm{fm}\). water over it; but towards its southern extremity it is rocky; and there, on some of the points which project above the water, the Melora tower has been constructed to serve as a sea-mark; it bears from the lighthouse W. N. Nistant about 4 miles. The best course for entering the roads is to keep to the northward of the Melora bank at about a mile from it, and then, having doubled it, to stand on for the lighthouse about \(2 \frac{1}{2}\) miles, anchoring in from 7 to 9 fathoms, the lighthouse bearing S.S.E. \(\frac{1}{8}\) E., 4 miles off. The entrance by the channel to the south of the Melora bank is also quite safe; but it is not so suitable for large ships as that by the north. During southerly winds there is scine-
macs \(n\) heary sea in the roads, but the holdin ground is good; nnd with sufficient anchors and cables, and ordinary precantion, there is no dan an The Lazaretto lies to tho south, about I mile for the tower, and is said to he one of the best in Europe.
Trade sec.-The comparative security nol frec dom which foreiguers have long enjoyed in'fus enny, still more than its advatitageous situntion render leghorn the greatest commercial city ltaly. Its exports are similar to those from the other Italian ports; consisting principally of rap nad manufactured silks. olive oil, borax, fruits shumac, valonia, wines, rags, sulphur, checes inarble, argol, anehovies, momia, juniper berries hemp, skins, cork de. Leghorn plaiting for strat hats is the finest in the world; and lnfge quan tities are imported into llritain. [HATs, Srman. Besides the above, nll sorts of articles, the produc of the Levnnt, may be had at Leghorn. Reventl however, this trade has fallen off; the linglish ar other nations who used to import Levant proder at second hand from Italy, preferriag now, at lea for the most part, to bring it direct from Smirn Alexandria de. The imports sre excecding numerous and valuable, comprising all sorts commodities, with the exception of thase produc by ltaly. Sugar, coffec, and all sots of colong produce; cotton stuffs, yarn, and wool; woollen stuffs, spices, dried fish, indigo, woods, rice, iron, tin, hides \&c. are smong most prominent articles. Ships with com board may unload within the limits of the retto, without being detained to perform quar tine-a circumstance which has contributed make Leghorn one of the principal depits for wheat of the Black Sea. Hard wheat, particul from Taganrog, is in high estimation here and the otber Italian ports. It is particulasly fitted for making vermicelli, macaroni \&c. Government do not publish any official of the imports and exports of Leghorn; and mercantile circulars that we have seea supply deficiency.
Money.-Down to 1837 accounts were priccip kept in pezze da otto reali (or dollars of 8 reali) pezza being divided into 20 soldj or 240 denari this money has been discontinued since the date, and accounts are now kept in lire and tesima; i.e. the French currency is adopted en in name.
The metrical system of France has huper the ancient weights and measures.

Credit, Charges \&c.-Goods in general bought and sold for silver mouey; betweer m and the money in which bills of exchang bought, there is a difference of 7 per cent. agaiust silver ; i.e. 107 dol. in silver 100 in
On goods bought or sold (unless it bein efi) moncy, where there is no discount) the generally speaking, a discount of 3 per cend all cotton manufactures 4 per cent.

Charges on sales, including commissio generally from 6 to 8 per cent.; on fish, 8 per cent.

Tares.-Sinnamon 12 to 14 lb . per \(\frac{1}{2}\) bale; coffee, 5 to 7 per cent. ; indigo seroons, 20, 40 lb . per вeroon ; sugar, Havannah, 14 per crushed, 12 per cent. or real tare of pnckag the package, and 4 per cent. for paper, th 10 per cent. ; rosin, 12 per cent. For r articles specitied in the price curreat ther is allowed.

Exchanges, Three Months' Date.-Lond at per \(£\) sterling ; Paris, tiv. at per 100 doubloons, 101l.; Gezoa, liv. st per 10 Trieste, liv. at per 100 C. Flor.

In \(1 \times 36, a\) Leghorn, wit
seraing, taki is each. T re reponsil manacers ha tes to the \(e\) though receiv render. The to the discoun we than 4 a und ale of for fred at "jere in a ditector mancolders; a minary nod 3 wides), who troval of the

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about 1 mile from ne of the best in security nnd frec engovel in fus atogeous situation， ommercial city of to those frum the principally ot raw oil，borax，fruits ，sulphur，checse
ia，juniper berie 1 plaiting fot stra ；and lage quan ［llats，Sthaw， aticles，the produc erhorn，liecenth I；the linglish an ort Levant produe erring now，st lea rect from Smyn rising all sorts \(n\) of those produc ll sorts of colon fish，indige， tc．are among ips with corm limits of the las to perform quar has contributed ipal depôts for wheat，particul mation bere and s particularly nacaroni \＆c， ny official acec Leghorn；and ave seed supply
nts were princip ollars of 8 reali i or 240 denari； ued since the a pt in lire and nce
res． is in gencral ey ；between ls of exchang f 7 per cent． silver 100 in essif be in eff discount）the cent． Ig commissjo it．；on fish， b，per \(\frac{1}{3}\) bale －seroons， 90 annah， 14 pery re of packagt for paper， turrent the \(n\) Date．－LLond at per 100 r，at per 10

\section*{LEGHORN}
lestorn，with a capital of \(2,000,000\) lire（ 66,6661 in secure obedience to the statntes，An annual veling taking the lirn at 8 dl．）in shares of 1,000 report and balance－sheet is produced，and is annual lireach．The wholo of to sapital is paid up，and sible to all shareholders．produced，and is neces－ te eaponsibility is limited to the capital．The for which notes are issucd is a minximum antount magers hsve the power of issuing promistio stering，the lowest 900 is 2，000 lire \(=66 \mathrm{fl}, 18 \mathrm{~s} .4 \mathrm{~d}\) ． tes to the extent of \(6,000,000\) lire．promissory It is a proftable est 200 lire \(=62,13 \mathrm{~s}\) ．4d．sterling． thowh received by the Goverument，ars ne notes，considerable pre establisliment；its sliares are at a nder．The operations of tho bank are coutined further succes． whe diseounting bills of exchange not haviug wir than 4 months to run，and to the purchige and 4,427 constin foreign vessels，of 423,707 tons， ad ale of foreign coins．The rate of dischase Leghorn，and the navisat，of 558,650 tons，entered gradst fercent．The superintendence is vested conyprised，in the arrivals， 200 the port for 1864 in 3 director and 8 regents，nominated by the \(8 \cdot 1,360\) tons； 5,305 Itnals， 200 Iritisls vessels of armbldicrs；and the Government appoints a com－ 86 Austrian； 22 Spanish． 45 Dessels； 703 French； musty and 3 ceusors（from among the share－ 25 Roman； 240 Greek． 6 ； 45 Dutch； 22 Swedish； （whes），who exercise the highest authority，to in all 6,762 vessels of 802,920 to \＆c．\＆c．；making connected by railway with Florence．Leg！orn is anced by railway with Florence，lisa sc．
rincipal Articles Innported
from Tuscany into the
 tmain ind oher Articte
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Fmainl and other Articlea} & \multicolumn{4}{|c|}{Quantities} & \multicolumn{4}{|c|}{\multirow[t]{2}{*}{Declared Real Value}} \\
\hline & & 1865 & 1866 & 186 & & & & \\
\hline \multirow[t]{7}{*}{} & & & & & & 1865 & 1866 & 1867 \\
\hline & \[
\begin{aligned}
& 2647 \\
& 16,998
\end{aligned}
\] & \[
\begin{array}{r}
53,755 \\
\hline
\end{array}
\] & 30，154 & &  & \({ }_{2}^{1,266}\) & \({ }_{15}^{6}\) & \\
\hline & & 25,751
3,718 & 30，159 & 36，113 & 16，485 & （11，834 & \begin{tabular}{l}
13,759 \\
5,170 \\
\hline 1790
\end{tabular} & \({ }^{17} 7835\) \\
\hline & \({ }_{\text {d }}^{1}\) & 3，\({ }^{3,15,71888}\) & 4，109，66\％\({ }^{4,491}\) & & & & 14，719 & 17，354 \\
\hline & 9，7，875 & 15，811，810 & \({ }^{18,441,5 \% 0}\) &  & 1056,691
256,792 & ¢18，265 & \(\xrightarrow{26,475}\) & \({ }^{20,649}\) \\
\hline & & & & & 256，792 & 851，4，33 & \(\begin{array}{r}283,631 \\ 417 \\ \hline 898\end{array}\) & 202，\({ }_{\text {20，}}^{3025}\) \\
\hline & & & & & & & 21，485 & 28，723 \\
\hline \multirow[t]{3}{*}{} & 17，662 & 8，720 & 15，0\％1 & & 3，12 & 4，769 & & \\
\hline & 9，360 & 21，471 & 18，348 & 13，238 & 17，648 & 9，091 & 5，123 & 6,39
5,633 \\
\hline & & 26，615 & 18，798 & 13，696 & 3，903 & 5，025 & 14，74 & 12，934 \\
\hline \multirow[t]{2}{*}{mmort and un} & 2，602 & 2，267 & 1，681 & 1，496 & 3，151 & 9，301 & 10，713 & 8，859 \\
\hline & 7，915 & 11，535 & 6，208 & 1，49 & 12，931 & 12，648 & & \\
\hline \multirow[t]{2}{*}{} & & & 6，20 & 3，145 & 81，651 & & 9，668 & 8，469 \\
\hline & ， & & & & & 98，071 & 49，592 & 40，118 \\
\hline  & 1，015，411 & \({ }^{979,605}\) & \({ }_{537,372}\) & 296,393
594,062 & 66，825 & 30， 799 & 10z．590 & \\
\hline \multirow[t]{2}{*}{} & こ & 二 & ＝ & \(\xrightarrow{\text { S94，062 }}\) & 42，428 & 38，9\％1 &  & 214，966 \\
\hline & － & & 二 & － & 退 21,046 & 3，782 & \begin{tabular}{c}
21,595 \\
3,001 \\
\hline 10
\end{tabular} & 23，817 \\
\hline \multirow[t]{2}{*}{Tremars \({ }^{\circ}\)} & & & & & 6，698 & 14，808 & \(\begin{array}{r}3,37 \\ 4,43 \\ \hline\end{array}\) & \begin{tabular}{l}
2,23 \\
4,727 \\
\hline 8.72
\end{tabular} \\
\hline & 3，635 & 2，683 & & & & & 4，433 & 3，012 \\
\hline ation ：grallue & 30，439 & & & 1，880 & 6，978 & 3，212 & & \\
\hline \multirow[t]{2}{*}{} & & － & 14，1 & 6，956 & ， & \％\({ }^{1 / 267}\) & ，\({ }^{2} 974\) & 8，026 \\
\hline & 616，015 & 38，651 & & & 8，351 & 7，902 & \({ }_{6,771}^{1,77}\) & \％ 777 \\
\hline  & 二 & 二 & ＝ & － & 163，418 & & 6，711 & 5，425 \\
\hline & & & & & 55，296 &  & \begin{tabular}{c}
132,773 \\
\\
\hline 8,761 \\
78.768
\end{tabular} & 126，797 \\
\hline & & & & & 931，153 & 1，128，259 & \％\({ }^{72,764}\) &  \\
\hline
\end{tabular}

Straw Hats. - The most interesting, and perhaps also the most luyportant, industrial pursuit carried on in Tuscany, conslists in the manufacture of straw hats aud straw-plaiting. The straw grown in tho country is peculiarly well adapted for the purpose, and the peasantry have attained to an unrivalled degrec of skill in its manipulation. The value of the exports of the article increased from \(9,833,000\) lire in 1851, to \(23,187,000\) ditto in 1855, being about \& of the entire exports from the duchy in the course of the latter year, and we are informed that they have since continued to incrense. It is said that about \(\ddagger\) of the population of Tuscany derive their principal aupport from this manufacture; and though this be probably an exnggerated statement, it alows the innportance of the business. Various efforts have been mallo in this and other countries to rnise straw similar to that employed in Tuscany in the manufacture. Hitherto, however, these effiorts have had but little success, and the superiority of Tuscany in this interesting branch of industry was never inore conspicuous than at present. (Annuaire de \(l\) 'Econonie politique pour 1858, p. 501.)
In 1860, 6,320 vessels entered the port of Leghorn, of which 1,893 , of 423,707 tons, were engaged in the foreigh, and 4,427, of 558,650 tons, in the eoasting trade.
LEMONS (Ger. limonen; Dutch, limoenen; Fr. limons, citrons ; Ital. limoni ; Span. limones ; Port. limãos; Russ. limonü; Arab. lémõn). The fruit of the lemon tree. (Citrus medica, var. \(\beta, \mathrm{C}\).)
The lemon is a native of Assyria and Persia, whence it was brought into Lurope; first to Greece, and afterwards to Italy. It is now cultivated in Spain, Portugal, and France, and is not uncommon in our greenhouses. Lemons are brouglit to England from Spain, Portugal, and the Azores, packed in chesta, each lemon being separately rolled in paper. The Spanish lentons are most esicemed. (For an account of the imports, see Oranges.)
LEMON JUICE or CITRIC ACID (Ger. zitronensaft; Fr. jus de limen ; Ital. agro o sugo di limone; Span. jugo de limon). The liquor contained in the lemon.
It may be preserred in bottles for a considerable time, by covering it with a thin stratum of oil; thus secured, great quantities of the juice are exported from Italy to different parta of the world; from Turkey also, where abundauce of lemons are grown, it is a considerable article of export, particularly to Odessa. The discovery of the antiscorbutic influence of lemon juice is one of the most valuable that has ever been made. The scuryy, formerly so fatal in ahips making long voyages, is now almost wholly unknown; a result that is entirely to be ascribed to the regular allowance of lemon juice served out to the men. The juice is also frequently administered as a medicine, and is extensively used in the manufacture of punch. (Sce regulations as to supplies of lemon juice on board merchant vessels, art. Juice of Lemons, Limes, or Oranges; Seamen.)
LEMON PEEL (Ger. zitronenschalen, limonenschalen ; Fr. lames d'écorce de citron; Ital. scorze di limone; Span. corteza de cidra). The outward rind of lemons is warm, aromatic, and alightly bitter-qualities depending on the essential oil it contains. It is turned to many uses; and when well candied, constitutes a very good preserve. In Barbadoes, a liqueur, known under the name of eau de Barbade, is manufactured frcm lemon peel, which the inhabitants lawe the art of preserving in a manner peculiar

\section*{LICENSES}
to themselves. Both the liqueur and the conserve used to be in ligh repute, especially in
France. France.

LI'I'TTER. [Post Office.]
IETTIER OF CREDIT
one merchant or correspon, \(A\) letter written br one merchant or correspondent to another, requesto money. Advice by bearer with a cerlain sumo granting of a letter of credit: a duplieare of accompanying such advice. it is prulent ala in giving advice, to describe the brater of the letter, with as many particulars as possible, lesti fall improperly into other hands.
LET'TERS OF MARQUE AND REPIISM are grantable by the law of nations, whenere the subjects of one state are opprressed and injure by those of another, and justice is denied br tha state to which the oppressor belongs.' (Chites Com. Law, vol, iii. p. 604.) Before granting lettea of marque, Government is directell, by the 5 lle IV. c. 7 , to require that satisfaction be made the party aggrieved; and in the event of sud satisfaction net being made within a reasona period, letters of marque and reprisal mar b issued, authorising the aggrieved party to atta nnd seize the property of the aggressor nation without hazard of being condemned as a robbe or pirate. Such letters are now only issued to th owners or eaptains of privateers during war, When war has been determined upon. They ma be revoked at the pleasure of the sovereign; an when hostilities terminate, they cease to har any effect.
The Act 41 Gen. III. e. 76 sanctioncel the ies of commissions and letters of marquo to rese in the aervice of the customs, excise \(\$ c\)., but th statute was repealed by the \(27 \& 28\) Vict. c.

LICENSES. In Commerclal Navigation. T rules and regulations to be observed in the gantin of licenses to slips embodied in the dit 88 Vict. c. 87, given in the former edition of th work, have been repealecl. The only regili tion with reference to this subject in the lim toms Consolidation Act of 1853, the \(16 \$\) Vict. c. 107 8. 201, will be found in the at Smugeling

The statute last referred to containg claus in regard to the licensing of agents for transection business relating to the entry and clearnote ahips, goods, and baggage, and of lightermen the carriage of goods to and from importing is exporting ships. It gives the Treasury porm by warrant published in the Gazette, to appoi in what ports agents shall be licensed, the the missioners of Customs granting ths necesis licenses. Appointments had, previously to passing of this Act, been made as to Lool Dublin, Dover, Folkestone, Southampton, Shorcham. But this licensing system \({ }^{2} s\) roked by the following Treasury Warat March 14, 1861.
' Whereas, by certain warrants under the has of the Lords Commissioners of ber Majets Treasury, the ports of London, Dublin, Dor Folkestone, Southnmpton and Shoreham \(\pi\) appointed ports in the United Kinglom which persons acting as agents in the edtry clearance of any ships, or any goods or bages or any busiuess relating thereto, should be quired to be duly licensed for that purpose such appointments by the Customs Coasolideti Act 1853 confirmed and directed to be octing until the same should be revoked;
'And whereas it is expedient that the s warrants or appointments should be revoked;
- We the undersigned Lords Commissias of her Majesty's Trensury, in pursnate of

St. Nrobnt a Laenses; on rach \(T\) therefrom.

Mandauthority \(c\)
and in exercise o thanants or appo riterol nereinbed
dof Loadon, Dubli phon atad Shoreha visted or declared Mroked, ports rom in which p
natry or clearan datry or clearand be required to Wios, Whitehall Treasury
dilarch, 1867,

Anonat showing the Trades that cannot be carried on in the Unitel Kingdom without Wrcise J. Acounat show Sums charged for such Licenses ; and the Number of Licenses granted for carrying Licensel; the sume in the Year ending March 31, 1866 ; with the Total Amount of Revenue derived dierefrom.
id the ecto specially ia
twitton her ther, requestays foliow the uplicate of it prulent alon bearer of the possible, lesti
0) REPLISLI ions, whenere sed andinjura denied by thas [gs.' (Chitryi granting letter ion be made e event of suc in a reasonal party to otuad gggressor natim
ined as a robte need as a rot 8 daring wat, upon. 'They ma e sovereign; an ey cease to 4 an marque to resed marque to, bur th \& 28 Vict. \(\mathrm{c}^{2}\), 1 Navigation, T reed in the gantiu 1 in the dat 8 mer edition of in The only renul ubjeet in the tie 853 , the \(16 d\) found in the to contains class yents for trassactis 1 of lightermen from importing 1 he Treasury pors Guzette, to appuis licensed, the Coy ting the nem to hade as to Loctia Southampton, ng eystem was nts under the hass \(s\) of ber Najeer Con, Dublin, Do Ind Shoreham nited in the eotry nts in the eamy goods of bago reto, should be r that purpoce stoms Consodidulu cted to be oxcinary ked;
lient that the uld be revoked; rds pursanace of


Total amount recelved for lloenses in 1868, 2,239,81\%.
ramanduthoity eonferred upon ug by tho anid win exercise of the same, do hereby revoke krmats or sppointments, and the continuthetrol reereinbefore referred to, whereby the of Lodon, Dublin, Dover, Folkestone, Southato and Shoreham, or any of them, were wated or declared to be, and be continued al froked, ports of places in the United from in whieh persons acting as agents in bitry or clearacce of any ships or of any Sor baggage, or any business relating thereto, 1 be required to be duly lieensed for that Thithe
Maithall Treasury Chambers, dated this 14 th
di March, oi Karch, 1867.
(Signed) 'J. Bagwele,
'Wal. Dunibar.'
'The bnard directs that copies of their Lordships' warrant be inserted in the London and Dublin Gazettes.'

The total number of excise licenses existing on Mareh 31, 1867, was in England, 779,466; Scotland, 72,874: Ireland, 97,331. Total number, United Kingdom, 949,671: total revenue ditto, including licenses, for fractional parts of a year, and surcharges, \(2,325,521\) l.

There are, also, in the United Kingdom, sundry businesses which cannot be carried on without a stamp license, such as bankers, attorneys, \&c The license duty paid by these partics amounted in the yenr ended March 31, 1866 , to \(134,101 t\).

LIGITTHOUSE. A tower situated on a promontory or headland on the sea coast, or on rocks or banks in the sea, for the reception of a light for
the guidance of ahips at night. 'Usus ejus, nocturno navium cursil ignes oatendere, ad proenuntlanila vada, portuaque introltum.' (I'lin. Hist. Vut. lil. \(x \times x y l\), c. 13.) There are also tlonting-lights, or lights pluced on board vessels moored in certain atations, and intended for the wame purposes na those ons shore.

Historical Notices,-The lighting of fires for the direction of ships at night is of suelt obvious nitidty, that we need not wonder at the practice havinis originnted at a very remote era. The carly history of: 'hthouses is, however, ilvolved in muels obseurit, ; but it is reasonable to sujpiose that no loing period would elapese after tires were lighted for the premonition and guidance of marhers, tili towers would begin to be constructed fur their reception. The most celebratel of all the ancient lighthouses was that erected by P'tolemy Soter, on the small islaud of lharos, opposite to Alexandria, ' nocturnis ignibus cursum nivium regens,' (Plin, lib. v. c. 31.) It was of great height, and is snid to lave cost 800 talents. Or, Gilties tells us (Hint. of' Ale.rander's Suceessors, vol. ii. p. 138, 8\%o. ed.), that the tower was 400 teet in height; that each side of its spuare buse measured bu0 feet, and that its 'beaming summit' was seen at the distance of 100 miles! It is almost needless to midd, that there is no nuthority for such statements, which indeed carry absurdity on their face. Its celebrity wus suct that l'laros rapidly beeame, and still continnes to be in uany countries, a generic term equivalent to lighthouse. In the ancient world, there were lighthouses at Ostia, Ruvenua, l'uteoli, Caprea, Rhodes on the Thracian Bosporus de. (See Suctonii Opera, ed. I'itisci, 0 om. i. j. 755; and the Ancient Universal History, ix. S66, 8vo. ed.)

The Tour de Cbrdouan, at the entrance of the Gironde, the Eddystone Lighthonse, opposite to Plymouth Suund, that more recently construeted on the Bell Rock, opposite to the Frith of 'ling, and that on the Bishop Rocks to the S.W. of the Scilly Islands, are the most celebrated moder.2 lighthouses. The Tour de Cordouan was begrun in 1584, by order of IIenry 111., and was completed in 1610. It was at tirst 169 feet (Fr.) high; but in 1727 it was enlanged, by the addition oraniron lantern, to the height of 175 French, or \(186 t\) linglish feet. It used to be lighted by a coal tire, but it is now a revolving dioptric light of the first order. It is altugether a splendid stracture; and is, besides, remarkable for being the tirst lighthouse on which a revolving light was exhibited. [Bomdeaux.]

The tirst lighthouse crected on the Eddystone rocks only stood about 7 years, having been blown down in the dreadful storm ol November 27, 1703 ; a second, erected in 1708, was Lurnt down in 17i,5. The present lighthouse, coustructed by the celebrated engineer simeaton, was completed in 1759. It is reparded as a masterpiece of its kind; and bids fuir to be little less lasting thau the rocks on which it stands.

The lell Rock Lighthouse was built by Mr. Stevenson on the model of the Eddystonc, and that on the Bishop Rocks was completed by Messrs. Walker and Burgess in 18i8. The Skerryvore aud Smalls Rock lighthouses are also of similar design to Eddystone.

Numerous lighthouses, marking the most dangerous points and the entrance to the principal harbours, are now erected in most civilised muritime countries. They are particularly abundant in the Baltic and in the Sound, and have contributed, in no ordinary degree, to remder their narigation comparatively safe. Within these few yesrs several new ones have been erected on the

British cossta, and on those of France, the Cnite States \& \(c\).
l'recrations as to Lighthouncs,-Many accirents lanve ariaen from aliphs mistakinge those on the asmer and hence the importance thore on the anmo coast lecing male t. diff distinctly from each other, and of their positic and appearanee belng aceurately haid down an deacilbed. The morlern laventions of revolving intermitting, and coloured lighta, aftord farlitio for varying the appeurance of each tight unkn to omr ancestors, mid have been, in that rospen the greatest impertance. For some interes details on this sulject, we would refor to 'cian Closo on IIghthouses and Const Illuminathat in vol. iv. of Reports on the Puris Exthibite 1817.

Chart of Lighthouses fec.-A good Ilescripti work on lighthouses, bencons de., is a devideratu That ol' Coulier, Guide des Marins pewlant Narigation nocturne, P'aris \(1 \times 20\), is perhaps best. It must not be judgeed by its proface, wh is as bad as possible; consisting of scrape fr the most fantastical parts of Bryant's . Wythow and of attacks on us for our conluct in relation l'arga, and the alleged ill-treatment of the e of a vessel wreeked on the island of Adent 'The book is really pretty goonl, which could be anticipated from such a commenement. render will tind the existing English and ? lighthouses, and the greater number of thse longing to Scotland, laid down in the char tached to the artiele Canalis in this work, accuracy may be depeided upon; for it his copied from the oflici.'I chart of the lightheuse the liritish and contiguous coasts pubtished the Trinity House.

Law as to British Lighthonses.-The 8 C. 13 empowered the Corpuration of the Thi House to erect bencons dc. to prevent aciid to ships; and though the Act does not exper mention lighthouses, it has been held to ext to them; and on its aumority, and the privit attseched to the office of luoyage and beacon conferred on the Trinity House in 1594, the poration erects lighthouses. The tolls for maintenance have been generally collected u the authority of letters juatent from the \(C_{n}\) those for the support of the Eddystone light, some others in different parts of the king being, however, established by Act of Parian The first light thouses crected by the Trinity E werc built at Caistor, in Norfolk, in 1660.
All the lighthouse3, flosting-lights \&c, es sive of harbour-lighte, from the Fem Island the coast of Northumberland, round by Be Head and the Land's End, to the coast of Le shire, have always belonged to the Trinity H with the exception of about a dozea lights, I'ynemouth, Spurn (shore), Winterton, wid ford, Harwich, Dungeness, Skerries \$c. lights have been partly public and parlypr property; but they have latterly been ailam by the Trinity House. (See below.) The on their account have been, fur the most p ways payable to the Trinity collecters.
The Act of 1853, 16 \& 17 Vict. \(\therefore 131\), an Mercantile Shipping Act of 1854, have mad Trinioy House directly subordinate in man spects to che Buard of Trade. The dues fort beaconage \& c ., formerly payable to the 1 House, are st present carried to the sa of the Mercuntile Marine Fund, which is charged with the cost of maintaining buoys \&c., and it, also, is to be charged wi pensions hitherto paid by the Trinity The latter is in future to prepare estimates
mappence
houly bee
the canges
find by tofx the to utretion th mond charg nudion to misution 0 thy have b num of the 10 Yict c. 1 laring refere ris:-
Hosagemen
Min Trinity contain nibte now uy person or wamos, herein equerintendence wee buoys, a Woung bodies lo Entland al Wi, Guemsey, woth reas and Gilanitar, in the in Socoland an ad an the I.se dythem Ligh fo leland and the Pori of D cilied Cumission jet to the provis Invity Alase, Co dell napectively dipmotity now ve De ime manocr a wit bitherto bel litis Yict. c. \(]\) Comansioners of couts bolding th madi urporate, ur 4r-
Lhe Lord Adr
6: Shlaud :
- The Lords Pro
a, wed the Provo trenes, and Cam Ni
ithe sberifs math, Reofrew, B duff, Caithness, troo, Sutherland Elqin;
od shall hare a
Wh base porter to
might be done
awhoers (Sec. \(3!\) sina to the persens forlfor the said cor as ted comes into chief magistrate o rgh on or near an at, and the shecifit ch coasts, (Sec. 3 .
Thnity House ma) vand Irelund,
cets, borkmen, \(n\) to any lighthouse
wapene is to be aliowed which has not premoly pectare Majesty in council, who is nlw man by ler to to taken for new lichte. tux the tollas to be taken for new licithts. The dirtion that will than be drawn to the dlfwhation chares on shipping cannot fall to be adwne cevus; and will, no alonbt, bring about their whan to the luwest point conslatent with th duation 1 or inportaut object for which alustion of the important objects for whic masian bure bea imposed. The most importhat Mey of the Mercantilo Shipping Aet, the 17 d 18 Fict c. 101 , and of the 25 \& 26 Vict. c. 63 , wrine reference to iighthouses, are as follow, re:
Yougement of Lighthouses, Buoys, ant Beacons, Whin Trinity Ilouse \&c.- Sulyject to the provisions win ostained, and sulycet also to any powers mithe nor lawfully cujoyed or excreised by thum ar body of persous having ly law or uspersen or body or ars ase anthority over local lighthouses, busys, or wavoi, herifa termed 'local authorities,' the gerintedence and managenent of all lightpembors, and beacons shall be vested in the Showing bellies, viz.:-
In Epdand and W'ales, and the islands of Jerks. Geemey, Sark, nud Alderney, and the adpeat seas ind Islands, and in Iteligoland and Thite in the Trinity House:
la Sodand and the neljacent seas and Islands, ad in the lle of Man, in the Commissioners dYatbm Lighthouses.
Ia lramed and the adjncent seas and islands, in te Pro of Dublin Corporation, now (1868) abll innisioners of Irish Lights. And, subwel tote provisions herein contained, the said Tmity Hove, Commissioners, and Corporation, there termel General Lighthouso Aithorities, dull repectively continuo to hold and maintain Il moners now yeated in them in that behalf, in te ene manner and for the snme purpose as they wre bitheto held and maintained the same. ( 17618 Tict, c. \(104 \mathrm{s.389}\). )
Gomisioners of Northern Lighthouses.-The paxtu bolding the following offices shall be a Wadr anotate, under tho name of the Commady arporate, under Liser Northern Lighthouses; that is to

\(\stackrel{\Gamma}{4-}\)
LThe Lord Advocate and the Solicitor-General tholland:
2. The Lords Prorosts of Edinburgh and Glasan, nd the Provosts of the cities of Aberdeen, remes, and Campbeltown;
2 The eldest bailies of Edinburgh and Glas-
4. The sheriffs of the counties of Edinburgh,
mut, Reafrew, Bute, Argyle, Inverness, Ross, Auef, Caithness, Aberdeen, Ayr, Fife, Forfar, Fiva, Sutherland, Kiacardine, Kirkcudbright, NAqin;
Wh thall hare a common seal ; and any 5 of such umisioners shall constitute a guorum, and Whl bave power to do all such matters and things , wight be dane by the whole boily of comexivoers (Sec. 390. )
Paser to elect certain new Members.-In nulinato the persons above meationed, it shall be ryalfor the said commissioners, at any time after if ict comes into uperation, to elect the provost chief magistrate of any royal or parlimmentary math on or near any part of the coasts of Scotad, and the shesiff, of any county abotting on thoasts. (Sec. 391.)
Thinity House muy inspect Lighthouses in ScotMand Ireland,-'The Trinity llonse, their ensets, Forkmen, nad servants, may nt all times tot any lighthouses within the jurisdiction of
the said commiasioners or corporatlon, to viow the condition thercof, or otherwise, for the purposes of thin Aet. (Sec. 392.)

Board of Trade way appoint Persons to inspert Lighthouses \&c.--'The lboarl of 'Trule mny, upon complaint to the effect that any lighthouse, hooy, or beacon under the management of miy if the sald general lighthonse authoritley, or any work connected therowith, is inellcient or improperly managed or unnecessary, anthorise persons to inspect the same; and every person so authorised may inspeet the same necordugly, ami nuke such enquiries in respeet thereof as he mith think flat; and all officers and others having the care of such lighthouses, buoys, or benoms, or conermed in the mangement thereof, shall furnish all such information and explanations in relation thereto as ho may reguire; and the sald general llyhthouse anthorities and their respective oflicers shall at all times glve to the Bonal of Trade all stach returns, explanations, or Information In relation to the lighthouses, huoys, or bencons within thelr jurisiliction and the management thereof, as such loard may from time to timu require. (Ser. 393.)

The 25 \& 26 Vict. c. 63 s. 43 provides that the followhing rules shall be otserved with respect to tho inspection of local lighthouses, buoys, and beacons; that is to say-
1. It slatl be the duty of encla of the general lighthouse nuthorities, or of such persóns as may be anthorised by such authority for the purpose, to inspect all lights, buoys, aud beacons situato within the limits of the juriadietion of such general authority, but belonging to or under the jurisdictlon of any local authorities, and to make such enquiries in respect thereof and of the manugement thereof as they mny think fit:
2. All officers and others linving the care of such lighthouses, buovs, or bencons, or concerned in the mnnagement thereof, shall furnish all such information and explanatlons conceruing the same as they may require:
3. All such local authorities and their respective officers shall at all times give to the inspecting authority all such returns, explanations, or information concerning the lighthonses, bnoys, and beacons within their jurisdiction, and the management thereof, as the said authority may from time to time requiro:
4. The inspecting authority shall communicate to each local authority the results of its inspection of the lighthouses, buoys, and beacons within its jurisdiction, and shall also make general reports of tho results of its inspection of local lighthouses, buoys, and beacons to the Board of Trale; and such reports shall be laid before parliament:
5. The powers given by sec. 394 of the prineipal Act to the gencral lighthonse authorities shall, so far as the snme are applicable, extend and apply to the ease of local buoys nid beacons, other than loral buoys and beacons placed or erected for temporary purpos s, as well as to the case of local lighthouses. ( 25 \& 26 Vict. c. 63 s. 43.)
Power to General Lighthouse Authorities to control L.ocal Authorities.- Bach of the said general lighthouse authorities, upon giving due notice of their intention, shall have power, with the sanction of the Bonrd of Trade to compel any local authority having juriviliction in the matter of lighthouses, buoys, or beacous at any place situate within the jurisiliction of such general lighthouse nuthority, to lay down buoys or to remove or discontiune any existing lighthouse or beacon, or to make any variation in the character of any lighthouse or in the mode of exhibiting lights
therein; and no such local nuthority as aforemnia Alantl erect nny new lighthouse, or reniove or thacontinue any lighthouse, or vary the clinameter of any lighthouse or the mode of exhiblting lights therein, without the antuetion of the general lighthouse authority within whase jurisdietion the same is sltuate. ( 17 \& 18 Vict. c. 104 4 . 394.)

In case of ' Iefantl by Local Bodiex, Local Lighthouses moy be trunyferred to General Lighthouse Anthorities.-If any local nuthority baving power to erect, maintain, of place any local livhtlouse, heory, ur bencon at ary phace within the jurisuliation of oine of the saill pencral lighthous, nuthoritice fails an to do, or fails to obey any dil eetion given by auch authority under the last preee ling section her Majesty may, upon application from auch encrat lighthouse authority, by ordel in counci ilirect that such power as aforemai, shall be tranuferred to such last-mentitionell auth, rity; anil such power, together with all powers or levying and receiving dues in respect of such li ghthcuse, buny, or beacon, shall thereupon becorer vestel in such last-mentioned authority ; and auch lighthouse, with its nppurtenances, alul also such buny or leacon, and all dues leviabie in respect thereof, shall thenceforth be subject in all respecta to the snme regulationa as other lighthonses and light dues, lunys, and beacons provided for by this Act. (Sec. 395.)
Dues ts be lavied.-Subject to any alterations to be made under the powers hercinafer contained, tho aaid reneral lighthouse authoritice shill, in respect of the existing lighthouses, buoyn, or beacons within their respective jurisdictions, contimue to levy dues, herein colled light dues, after tho rate nt which the same are levied at the time when this Aet comes into operation; and such light dues shall be payable in respect of all ships whatever, except ships belonglig to her Majesty and ships hereby exempted from pnyment thercof. (Sec. 39G.)
The 25 \& 26 Vict. c .63 ss, 44 \& 45 provides that the following persons shall be liable to pay light dues for any ship \(n\) respect of which light dues are paynble ; (that is to say), the owner or master, or such consignces or agents thereof as have paid or made themselvee liable to pay nny other charge on necount of such ship in the port of her arrival or discharge, and in default of payment such light dues may be recovered in the same manner as penalties of the like amount may be recevered by virtue of the principal Act. ( 25 \& 26 Vict. c. 63 s. 43. )

Every consignce ard agent (not being the owner or master) horel \(y\) made liable for the payment of light ducs in respect of any ship m.ay, out of any moneys in his hands received on account of such sthip, or belonging to the owner thereof, retain the amount of all dues so paid by him, to getler with any reasonable expenses he may have incurred by reason of such payment or liability. (Sec. 45.)

Light Dues to be subject to Revision by her Mrjesty in Council,-Her Majesty may, with the advice of her Privy Council, from time to time reduce all or any of the ducs for the time being payable in respect of existing or future lighthouses, buoys, or beacons, for the time being under the management of the said general lighthouse authorities; and may also, with the like advice, from time to time increase or vary any of such clues, so that no dues payablo in respect of any lighthonse, buoy, or beacon existing at the time when this Act comes inte operation, are made to exceed the amount which lias at any period previons to such time been received in respect thereof,
of to which the nails dues might durngg any part raised period as Inst aforevaici lawfully have beea raised. ( 17 de 18 Vict. c. 63 s. 397.)
\(11 y 25\) \& 26 Vict. \(c, 133\) se, 46,47 , it is enacted that if any ighthense, buny, or beacon is crectedoe placed or reconstructel, repaired, or replaced lyy any hora authurity having jurisdiction in the maitec lighthouses, buays, or beacons, her Majestry ma on the nupplieation of the said local auchority, in order In council fix such dines to be parituin said loenl authority in respect of every ship whics enters the port or harbour uniler the jurndictic of such local authority of the estuary wherif such lighthouse, buny, or beacon is situate s:hich passea the raid lightithouse, buov.ort beano
 deem reasonnble:
The dues for the : ime being fixell hy any sug order in council as nforesaid shall be phid darmer ingly by the mester of the ssiul ship or oth perron or persons ly whom the saiu light dues evied by one of the general lighthouse auth (ies, would be payable, and ahall be recoverable the same manner as light dues payable to sad ceneral authoritics are recoverable.
All light dues leviable by nuy local authoni under this Act shall be applied for the purpoeses he construction, placing, maintenanee, and provement of the lighthouses, buays, and beac In respect of which the same are levied, and no other purpose:
The local authority to whom the same are shall keep a separate account of the receint expenditure of auch dues, and shall once is er ycar, or at such other time as the Boand of Tr may determine, asend a copy of such arcount the Board of Trade, and shall send the in auch form and shall give such prticic in relation thereto as the lloard of trde require :
Ier Mnjesty may by order in entucilifmot to time reduce, alter, or increase all or ans such dues, so that the same may, so for st practicable, be sufficient and not mire than cient for the payment of the expensss incume the local authority in respect of the lighthoo buoys, or beacons for which the dues are ler (Sccs. 46 \& 47.)
Powers of General Lighthouse Authonitc alter and regulate Dues.- Each of the sidgra lighthouse authorities shall have power, with consent of her Majesty in council, to do an the following things; that is to sny-
To exempt any ships or any clases of from the payment of light dues receivablit such authority, and to annex any terma ot ditions to such excmptions:
To alter the times, places, and modes at 35 which the light dues receivable by such auth are payable:
To substitute any other dues or clas of whether by way of annual payment or other in respect of any ships or classes of stips. fo ducs payable to such authority for the time ( 17 \& 18 Vict. c. 63 s. 398. )
Publication of Dues und Regelationn. Trad all light dues, and a copy of the regultio the time being in force in respect therent? be posted up at all custom-houses nitin United Kingdom; and each of the said 6 lighthouse autherities shall frum time to \({ }^{\text {it }}\) occasion renuires, furnish copies of such and regulations to the Court of Custems in don, and to the priacipal officers of resident at all places where ligbt dues art lected on account of such lighthouse sutb and such copies shall be posted op by the

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Liddoneses, Bu wemeral ligh woritidi its juri nighess and do 10゙ to met ar plad sie Forks, roadd To meme or plat alter or rem組:
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of said commi lo the said commis +hill the
ense 405 directs t
harouing clause sh;
When wate and corpe shat Me Trinity House,
msoness at the Custom-hounc in Ioniton, and !s met oficers at the custom-houses of the inse it which they are rexpectlvely resilent. (9. 89.1

Sthe mel to be cleared without Prorluction of HeWif fou light Jlura,-A receipt for light duen dulle given by the permen nypointed to ealleet bume to cwery person paying the same, and ndee of custums at any port where hight ducs ap arable in respect of nuy ship whall grant a denvire of transire for muy such ship, muless werent for the aane is produced to lifin. (x.tive)

Pee of Distress for Light Dues.-If the ware emaster of any shin falls on demanal of brembensel collector to pay the Hight dues clue is mpet thereof, it shall be lawful for such, colWat ia al lition to any other remedy which he theteuthority by whim he ls appointed is enWh to uee to enter upon such ship, and distrain te pode, fuas, tackle, or any other thing of or Whing to or on boaril nuela ahlp, and to detalis widisines until the sald light dues are palil; difip prment of the aame is not made withiu mand of 3 dars next ensuing such distress, Whar, at any time doring the contimance of wadmpaymient, canse the same to be appraised In wo whicient persons or aworn appraisers, and bampo sell the same, and apply the proceeds anymot of tue light dues due, together with at mandle expenses ineurred by him under thiswampaying the surplus (if any) on demand whe wed wner or master.
Cusety regulates the mode in which light dae ap ta te paid over and neconntell for. Appomatis of Light Dues.-All light dues vaig to be hands of any of the sald penern) gitsoes authorities uniler this Act shall be Fand th the aceount of the Mercantile Marine berinater mentioned, nnd slanll be dealt din maner hereibafter described. (Niec. Prer io Lighthouse Authorities to erect and tw Ldehuses, Broys, anel Beacons.-Each of *udmeeral lighthouse anthoritics sliall have ma, rilinits jurisdiction, to execute the folrugulis and do the following things; that LTio enet ot place new lighthonses, with all wiste motks, roads, and appurtenances, or nlter move any existing lighthouses:
Th rect of place any new buoys or beaWolltr or remove niny existing buoys or Tatike and purchase any land which may Wexary for the above purposes, or for the whance of the works or the residence of the shepers:
-To rary the character of any lighthuase or ade dexhibiting lights therein:
To cell any land belonging to it :
the exerise of the sbove power shall, in the ove nid commissioncrs and corporation, be ent to the restrictions licreinafter contained. (H)
lave 105 directs that the powers given by lunging clause shall, in the case of the commers and corporation, be subject to approval 4 Trinty House, with appeal to the Board of mese 406 to 409 relate to proccelings between vemissioners \&c. and the Board of Trade.
Majesty may by Order in Council fix the taken for Neu Lighthouses.-Upon vmpletion of any new lighthouse, buoy, or her Majesty may, by order in council, fix mes in respect thereof, to be paid by the
master or owner of every ship which passes the name or derivea beneft therefrom, as har Majenty may deeli reasomable, and mav from time to time alter the amount thereof; and such dues shall be phil and collected in the same maniser, by the same means, aul wibject to the anme conditiona lin, by, and mubject to which the light dues anthorised to le levied by this Act are prid and collected. (Nec. 410. )

No Dues to be levicd in the Channel Islands withont Consent of' the Statea.- No dues for any lighthous. bnoy, or bencon to be erected or placed in or near the inlnils of tiuernaey, Jerary; Nark, or Alderney, shall he taken in the said islands of Cuernsey or Jersey withuit the consent of the states of the said insands respectively; nor shall any powers herelubefore given to the Trinity Honse in respect of nny lighthouse, buoy, or beacon erected or placed in the islands of finemsey or Jersey, or herenfter to be erected or placed in such lilands, be exerelsed without the consent of her Majenty in comeil. (Sec. 411.)

Inrorporution of 8 \& 9 V'ict. ce. 18 8. 19.-The Lands Clnuses Consolidation Act, 1845 , and the Lands Clausca Consolidation Act (Scotlanil), 18.15, shall bo incorporated in this Aet, and shall apply to all lighthonses to be constructed and all land to be purchased under the powers thereof. (See. 41..)

Clause 413 relates to the surrender of local lighthouses to general lighthouse authoritlea.

Penalty for injuring Lights. Buoys, and Bea-cous.-If any person wilfully or negligently commits any of the following offences; that is to sny-
1. 'Injures any lighthonse or the lights exhibited' therein, or nny luny or beacon:
2. Lemoves, niteis, or destroys any light ship, buoy, or bencon:
3. Rilles by, makes fast to, or runs foul of any light ship or buoy:
IIe shall, in addition to the expenses of making good any damme so ocensioned, incur a penalty not exceeding 501. (Sec. 41.1.)

Lighthouse Authorities may prohibit false Lights. - Whenever nuy lire or light is burnt or exhibited at such place or in such manner ns to be linble to be mintaken for a light procceding from a lighthouse, it sball be lnwful for the general lighthouse anthority within whose jurisdiction such place is sitnate, to serve a notice upon the owner of the place where the flre or light is burnt or exhibited, or on the person having the charge of such fire or light, either personally or by delivery at the place of abode of such owner or jerson, or by affiximg the same in sume conspicuons spot near to such fire or light, nad by such notice to direct such owner or person, within a reasonable time to be therein specitied, to take fiffectunl menns for the extinguishing or effectually sereening such existing light, and for preventing for the future any similar fire or light ; and any owner or person disobeying such notice shall be deemed guilty of a common nusance, mul in addition to any other penalties. or liabilities of any kind thereby incurred, shall incur a penalty not exceeding 1001 . (Sec. 415.\()\)

If not obeyed, they may abate such Lights.-If any owner or person servell with such notice ns aforesaid, neglects for a period of 7 days to extinguish or effectunlly screen the fire or ligl:t therein mentioned, it shall be Inwful for the general lighthouse aathority within whose jurisdiction the same may be, by their servants or workmen, to enter upon the place whereon the same may be, nud forthwith to extingnish such fire or light, doing no unnecessary damage and 3 G

\section*{LIGHTHOUSE}
all expenses incurred by such authority in such extinction may be recovered from such person or owner as nforesaid in the same way as penalties are hereby directed to be recoverable. (Sec. 416.)

The next part of the Act, that which refers to the Mercantile Mabine Funi, is so much mixed up with the law as to lighthouses, that it may be appropriatcly introduced in this place.

Sums to be carried to Mercantile Marine Fund. The following sums shall be carried to a common fund, to be entitled the Mcrcantile Marine Fund,' viz. :-
1. All fees and other sums (other than fines and forfeitures) received by the Board of Trate unter the provisions of the third and fourth parts of this Act:
2. All light dues or other sums received by or accruing to the Trinity House, the Commissioners of Northern Lighthouses, and the Port of Dublin Corporation:
3. All rates and moneys received by the Trinity Honse under the local Act of the 7 Vict. c. 57 , for the regulation of lastage and ballastage in the River Thames:
4. All fees and other sums mentioned in the table annexed hereto, which are received ly receivers appointed under this Act, viz.:-

Fres ond Remuneration of Receitera.- For every examina. e. a. d. tion on oath instituted hy a receiver with respect to any slifp or loat which may be or may have been In distress,
a fee not exceeding
But 80 that in no case shall a larger fee than \(2 l\). be charged for examinations taken in respect of the same ship and the same occurrence, whatever may be the number or the de?

\section*{For every repnrt required to be sent ing the receiver to the \\ Secretary of the Committee for managing the allairs of}

Lloy dos in London, the sum of managink the aliairs of 0100
For wreck taken by the recciver into his custody, a percentage of 5 per cent. upon the value thereof,

But so that in no case shall the whole amount of percentage so payable excced \(20 l\).

In cases where any gervices are rendered by a rectiver, in respect of any ship or boat in distress, not being wreck, or in respect of the cargo or other articles belonging thereto, the following fces instead of a percentage, viz. :-

If such ship or boat with her cargo equals or exceeds in value \(600 l\)., the sum of \(2 l\). for the first, and the sum of \(I I\). for every subsequent day during which the receiver is employed on such service, but if such ship or boat with her cargo is less in value than 6001., one woiety of the abovementioned sum.

And an account of the said fund, intituled 'The Mercantile Marine Fund Account,' shall be kept with her Majesty's Paymaster-General. 417.)

Application of Mercantile Marine Fund,-Subject to any prior charges that may be subsisting thereon by virtue of any Act or Acts of Parliament or otherwise, the said fund shall be chargeable with the following expenses, viz. :-
1. The salaries and other expenses connected with the local marine boards, the examinations, and the shipping oftices, provided for by the third part of this Act:
2. The salaries of surveyors, and other expenses connected with the survey of passenger steam ships provided for by the fourth part of this Act:
3. All expenses incurred by the general light-
house anthorities aforesaid in the works and wer vices of lighthouses, buoys, nad beacons proviled for by thls Act, or in the exccution of any work nccessary or expedient for the purpose of perma nently reducing the expeuse of such works an servicus:
4. All expenses incurted by the Trinity lhus in reapect of lastage and ballastage in the nire Thames:
5. Such expenses for estallishing and main taining on the coasts of the Uuited Kington proper life-boats, with the necessary crews an equipments, and for affording assistance tomari the preservation of life and property in cava slipwreck and distress at sea, and for tewardin the preservation of life in such cases, as the Po of Traile directs :
6. Any expenses incurred in carrying effect the provisions with regarl to receir and the performance of their duties contair in this Aet :
7. Any expenses which by this or any oth Act of Parliament are specially charged therer And shall, save ns hereinafter mentioned applicable to no other purpose whatever. 418.)

Clause 419 relates to ballast and ballasi rates. [Baliast.]
Nistablishments for Lighthonses and Ballust charged on Fund to be fixed by her Majett Council.-Her Majesty may from time to ti with the advice of her Priyy Council, fix establishments to be maintained by each of said general lighthouse authorities on accour ne services of lighthouses. buoys, and bear and also as regards the Crinity Ilouse, oasece of the service of lastage and ballastage in river Thamea (since by the Thunes Consery Act, \(27 \& 28\) Vict. c. 113, vested in the The Commissioners), or the amual or othersums paid ont of the said fund, in respect of establishments; and if it appear that any of the establishments of the said light authoritics is maintained for the purposes of duties and also for other purposes, to fis from time to time alter the portion of the en of buch establishments to be paid out of the fund; and no incrense of any establistme part of an establishment so fixed shall be without the consent of the Buard of (Scc. 420.)

Clause 421 gives power to the geneml house authorities to grant superannuation ances.

Clause 422 directs that estimates of peasea to be incurred by lighthouse auth shall be prepared and laid before the Bo Truile.
No Expense to be allowed unless anction the Board of Trade.-No expense of any said general lighthcuse authorities in res the said services shall be paid out of the cantile Marine Fund, or allowed in scoont than the sums 80 allowed for eatablishma penses as aforesaid, or included io es or accounts approved by the Boad of (Sec. 423.)
For the Purpose of erecting and repaininy houses \&c., Treasury may advanes Jom the purpose of the construction and repair houses, and of other extraordinary expent nected with the said services, the Treas from time to time, upoa the applicaticy Board of Trade, advance out of the prodec consolidated fund of the United Kingla suma of money, upon such terms, and at of interesteas they think fit, and to pay ons provided se of perms ch works Trinity llous \(e\) in the nive ng and main rited kingdo ary crews an istance toward rerty in cases ad for rewardin ses, as the Buas duties contain
this or any - charged thered et mentioned, whateve?.
ast and ballasu
uses and Ballual \(l\) by her Majest from time to to y Council, fix ined by each of orities on secoun buoys, and beso ty liouse, orace ad ballastare in Thames Consery ested in the The al or other sums in respect of appear that any the said light or the purposes of purposes, to fix portion of the es. e prid out of the any establishme 30 fixed shall be the loard of
to the generai superannuation
\(t\) estimates of lighthouse dul before the BD
ed unless sanction expense of any uthorities in res
paid out of th lowed in account
for establishme
included in the Boand of
athe Mercantile Marine F und account, so, neverbeles, that the whole sum for the time being due arepect of such advances shall never at any ono areseated \(200,000 l\); and upon any advance so ase the sum advanced and the interest shall be 1 charge on the Mercantile Marino Fund, we 1 dum dues, rates, fecs, and payments ow upon the due, aried thereto as aforesaid; and the Board of wat thereof out of the said sund. either by kning a sinking fund or otherwise, as the T'reaani may require; provided that 110 such adrne shall prevent uny lawful rectuetion of any rate the said dues, rates, fees, or payments, if nod reduction be assented to by the Treasury. (x. 捚.)
flase 4.5 gives power to the Board of Trade whar money on the credit of the fund.
Canse 426 gives power to public works loan mntisioners to advance money for such purposes a the credit of the fund.
Lidhhouse Authorities to account for Receipt ad Erpenditure to the Board of Trade.-Each of \& nd general lighthouse authorities shall mant to the Board of Trade for their receipts turo the said light dues and ballastage rates, and wher exnenditure as regards expenses paid ont dite rid fuad, in such form, and at such times, mith such d tails, explanations, and vouchers whe Barl of Trade requires, and shall, when repind by such Board, permit all books of acombept by or under their respective direchion to \(h e\) inspected and examined by such pemasy the stid Boaid appoints for that purNee (sitit)
Claise 18 directs that the accounts of the feratile Jarine Fund be audited by commisyow of undit.
Clace til directs that the accounts of the fund riad before Parliament.
Chex 30 directs that nll property used for the mace of lighthouses, buoys, beacons, light ath is to be exempt from all rates and

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©abliering provisions relative to lighthouses maxined in the Merchant Slaipping Acts weimend det before referred to, \(25 \& 26\) Vict.
hiswbe the duty of each oi the general light-
wuthonties, or such persons as may be
vinul, to inspect all lights, buoys, and xambuyg they way belong to local auwita, and the local authorities are bound to *4 mequisite information. The inspecting rien is to communicate the results of its Kinin to the local authority.
get dues are payalle from the owner or us or such consignce or agents as have wumd themselves liable to pay any other s
ainees or ageats many detain the amount of puid by them, together with reasonable exsoud of moneys ia their hands received on ato the slip.
wil authorities may, by order in council, dan fo: local lighthouses, buoys, and mader
medorof such local dues to be applied shortly construction, placing, maintenance, and mement of the lighthouses, buoys, and
houd authonity must keep an account of sand expenditure, and forward a copy to war of Trade.
Omen in council may relluce, alter, or in.
thes for local authonities \&c.
man eccount of Lighthouses.-A. wish to keep
the charges on native ships as low as possible, and to insure them a preference, seems to have given rise to the practice that long existed, of exactinf compuratively high duties from the foreign shipping entering our ports. But whatever may have been the motives for making this distinction, its policy seems more than questionable. It is quite right that the foreign ships coming to our shores for commercial purposes should be made to pay, as they now do, the same light and harbour duties as British vessels; but the imposition of comparatively high duties on them was decidedly injurious, inasmuch as it provoked retaliatory measures on the part of other states, obstructed the resort of foreigners to our markets, and, consequently, checked the growth of commerce.
This system was very properly condemned in a report hy a committee of the House of Commons in 1822. There are, in the evidence annexed to that report, some well-anthenticated instances of foreigu chips having bena totally lost, from the disinctimation of the captains to enter a British port, while it was in their power, on account of the heary clanges to which ther would have been exposed for lights \&c. Down indeed to 1835, all ships, whether native or forcign, coming into any British port by stress of weather, were charged with full light duties; but this inhospitable regulation was repealed by an order in council of February 7 of that year (issued at the recommendation of the Trinity IIouse), which exempted such vessels on account of lights. Our whole policy as to light duties, port charges \&c., has within these few years been materially improved, and is now the very reverso of illiberal. The discriminating duties on foreign ships have been abolished: but even previously, in consequence of the gencral establishment of reciprocity treaties, the distinction lad becoule nominal rather than real, and affected very few of the ships using our cas.
Large deductions, too, have been at different times made from the light duties; and after being still further augmented, these deductions were fixed by an order in council of February 2, 1859, at 00 per cent. on vessels making oversea, and at 35 per cent. on those making coasting, voyages; and again by order in council, which came into operation on April 1, 1868, the abatement of 50 per cent. from the tolls, was made uniform on coasting and oversea vessels, whether British or foreign : bo that all invidious distinctions are now at an end. [Navigation Law.] It is indeed quite essential to their utility, that these duties should be moderate. They have the same intluence upon the intercourse carried on by sea, that tolls have upon that carried on by land; and it is needless to add, that oppressive tolls are amongst the most effectual of all the engines by which rapacious ignorance has contrived to injure a country. There is nothing new in this statement: 'Avara manus portus claudit; et cum digitos contrahit, navium simul vela concludit merito enim illa mercatores cuncti refugiunt qua sibi dispendia esse cognosennt.' (Cassiodorus, Varia. lib. vii.)

Charges on atcount of Collection \&c.-The lighthouse revenue, though lormerly believed to be much greater than was necessary for keeping the establishment in a state of perfect efficiency, now just meets the expenditure, and the abatement allowed is so regulated as to secure the fund against a surplus. The surplus revenne was formerly, in so far at laast as depended on the Trinity House, very judiciously expended in maintaining decayed scamen, and other useful purposes. But considcring the vast importance of low shipping
charges, such persons should have been provided |ships belonging to the less frecuentenl ports; for in some less onefous way, and this view having that, on the whole, the general reductiou of th been approved, no new pensions are now granted, rates, or their abolition, would seem to be th and the old incumbents are fast dying out. Instead of reducing the charges generali-r on all lights, it has been proposed to make some of tho more important lights duty free, as by this means the expense of collection would be saved, and business materially facilitated. This, however, would in effect impose a propertionally heavy charge on the better plan.
Lighthouses erectel by Private Parties.-Privat ndividuals erecting lighthouses have generill obtained a lase of the same from the Crown for certain fees on shipping. Owing to the chary increase of navigation, soine of these lighethouse
1.-Account of the Lighthouses and Floating Lights under the Management of the Corporation of in Trinity House of Deptford Strond, the Commissioners of Northern Lighthonses, and th Commissioners of Irish Lights, specifying the Rates of Toll charged on British am! Foreind Ships passing such Lights; uith the gross Amount of Duties eallected on Aceount of and Lights during 1866.

antod ports ; duction of the eem to be the
arties.-Priva have generally the Crown furi thority to clar, og to the grad hese lighthouse

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twanascolected in 1866, including that for the Iocill L.Lhts helonging to the three Boardi, 286,4041. 138. Sd.

 Thapemid be efict of Trade on Lighthouse hevenue li may be mentioned that when thio Trinlly House were authorised in buy up alt
 aturugrun vooual iocome, that a jury awarded them in compensation the abere enormous amount.
buese refy valualle propertics. The noost ralcile wre-
The serris, on a small islet or rock to the nath-wew ithe Island of Anglesey, was granted whanaxtor of its late proprietor, to be for ever bdite of bim, his heirs and assignees, by the dat fifo. II. c. 36 , which also gave tho propiterrowert to charge certain rates on all vessels paingte light. Previously to its purchase by thraitr llouse, this light produced a nett mpene of dout 20,000l, a year.
Hemidt \(L\) ights were held by General Rebow, mon kuse fiom the Crown, for 22 years from Juuri, 1887, paying the Crown \(\frac{3}{6}\) of nett duty wikich
Dugetes Light was held under lease from the Tomity the Earl of Leicester for 20 years from Misumer, 1829. Net: produce of the duties Fan's drificel between the Crown and the we The duties were reduced at the renewal ties kase from ld. to \(\frac{b}{d}\). par ten, and it was rideh that at its termination tho lighthonges abidings connected therewith, and the ground -riich they are erected, should become the axtro of the Crown.
Fuiurtonness and Orfordness Lights were held Led Bnabbroke under a lease from the Crown, da rould hare expired on June 1, 1849. Nett rame of the duties equally divided between the anand his lordship. Theduties were reduced Whast renewal of the lease in 1828, from 1 d. 14 per ton. At the expiration of the lease, the dubues grounds \&c. were to become the protato the Crown.
Huusaston Cliff Light was held by S. Lane, 4, mide a lease from the Crown, which would reespired ia 1859. From October 16, 1837, on the nett produce would havo gone to COom: sad the lighthouses \& c. would have wame a the expiration of the lesse, the property be Cromn, as in the case of the Dungeuess and vereno lights.
Makment-Until her Majesty, with the advice \(e\) Piry Council, may sec fit otherwise to dene, there shall be allowed to every person
paying such tolls (being those specified in the foregoing tables) ari abatement or discount upon the amount payable by bim; which abatement or diseount alall, in the case of every Overaca vessel, be 50 per cent. ; and ou every Coasting vessel 35 per cent.
The Scotch or Northern Lights are under the management of a body of parliamentary commissioners. By \(6 \& 7 \mathrm{Wm}\). IV. c. 79 s. 40 , and subsequent Acts, ending with the \(25 \& 26\) Vict. eap. 63, all vessels, British or foreign, not wholly in ballast, which ahall pass any Scotch lighthouse, or derive any benefit therefrom, shall pay at the rates specified in the prefixed and annexed tables, Nos. 1. \& II,
Irish Lights.-The various Acts regulating these lights range from 50 Geo. III. c. 95 to the 25 \& 2 C Vict. c. 63. They are under the management of the Commissioners of Irish Lights, formerly called the Dublin Ballast Board, or Port of Dublin Corporation. The rates of charges will be found in the prefixed and annexed tables.
Compensation to Private Parties.-The nuthority aequired by certain individuals and public bodies under letters patent, Acts of Parliament, and otherwise, of levying certain duties on aceount of lights, beacons, pilotage, harbour dues, de. entitled them, for the most part, to demand higher fees from foreign than from British shipping. When, therefore, we entered into reciprocity treaties with foreign Powers, Government lad to compensate the parties in question for the diminution that consequently took place in their charges on foreign ships. But this payment has now ceased, the Trinity Corporation Javing long since relinguished their claim to compensation; and the Act \(6{ }^{3} 7 \mathrm{Wm}\). IV. c. 79 having forbid such compensation being made to them, to the Commissioners of Northern Lights, and to the Commissioners for managing the Irish Lights.(For some account of the Trinity Corporation, the reader is referred to the article Tr:Nity House; sce also Beacons, Ballast, Dovka, Pilotage, and othcr charges on Silippivg, Suils de.)

\section*{JICIITIIOUSE}

 the main budy of that labler, and it mast he obnerved dint whero nevernl perts lave beren chased together on areolint of they general llghte belhig

 oort, or that elther of them nre dow at Chepstame hita only that they minat her pricrered ta at the
 miny he adeded to the general rate.



Ill-Dutiat for the Irith Local Liyhta, Payalle only on Eintering or Depurtiny from the Plures
not frillow from this min are duse at New
re dise nt Chepstare rebirered to at thit of there Lucals mas iferatated conditiong ntco.

Urituin.






LIGHTHOUSE
British and Irish Lighthouses and Floating Lights-continued.


British and Irish Lighthouses and Floating Lights-continued.


British and Irish Lighthouses and Floating Lights-continued.


LIGHTHOUSE
ued.
Britioh and Irish Lighthouses and Floating Lights-continued.





British and Irish Lighthouses and I'loating Lights-continued


British.and Irish Lighthouses and Floating Lights-continued.


British and Irish Lighthouses and Floating Lights-continued.


British and Irish Lighthouses and Floating Lights-continued

 Pqulation estimated at 75,000 , in 1863
\[
\text { Why the port of Lima, is about } 6 \text { in }
\]
wrat the latter; the two being connected by
4. The harbour lies to the north of a
mall point of land, in the angle formed by thesly to the emnanited island of San Lorenzo. diderant emancipation of Peru, and the 4. ilimana spanish provinces in the New the wast was the grand entrepôt for the trade We west coast of South America: but matle portion of the foreign trade of Pern is tisulso in the thb Bucnos Ayres, and the fus seeond the habit of importing European in chili, The exports from paraiso and other Nully of silver, cubic nitre thima eonsist ethotton, copper ore , nitre, the most im-
a wool, doc Gup ore, bark, soap, sheep's wool,
thasme parts of the found in large quangayly imported from somest of Peru, but is ot Pisen, where it is found in sonds, op-- The great value of guano in vast quancracraly recognised, and it is bardly of less
antea sas saticicle of commerce, 192,308 tons Steen imported in 1867 ince, 192,308 the Uns ten of which no forever than 164,112 tons,
That whing worth 1,969,344l, were tons, do here are few parts of tho
That which she supplise istl, were from marble exist. It is found world in which lime stuffs, linens, woollens, and principally of cotton and ale, principally fro, and hardware, coals, beer wine, and quicksilver from England; silks, brandy, stock-fish and flour from the Spain and France ; from Mexico, Paraguay herb from Pates, indigo spices, dye-stuffs, \&e. Timber for thom Paraguay, of slips and honses is broug for the construction The declared value of the differm Guayaquil. Britisl 2 produce and mannfacture exnt articles of in 1867, amounted to 1,426,4481 exported to Peru ot exports from Pera, in 1881. The total valuo of which \(3,853,5541\) Peru, in 1865, was \(6,245,491 l\), and the total value of the \(i m\) were from Calla 0 ; Kingdom from Peru, was, in 1867 , 3 the United on oneys, Weights, and MICasures, \(3,71,3621\).

> of Spain; for which, see CADIz. LMME (Ger.kalk; Fr
Span. cal ; Russ. iswest). An eartl. calcina, calce; a white colour, moderately An earthy substance of easily reduced to powder, either by but which is with water or by trituration. It by sprinkling it taste, aud in some meansure corrodes hot burning the texture of those animal bodies to and destroys applicd. Specific gravity 2.3 bodies to which it is tallic basis of lime, was discovered Calcium, the me-
on supplies is decidedly the however, and chalk. None of these substastone, ; but they are all 3 แ2
ensily converted into it by a well－known process ； that is，by placing them in kilus or furnaces con－ structed for the purpose，and keeping them for some time in a white heat－a process called the buruing of lime．（Thomson＇s Chemistry；Watts＇ Dictionary of Chemistry．）
The use of lime as mortar in building has pre－ vailed from the earliest antiquity，and is nearly universal．As a mnnure to fertilise land，it is very extensively used in this country，and in an inferior degree in some parts of the Continent and of North America．But it is a curious fact that the use of lime as a manure is entirely a Enropenn practice；and that its employment in that way has never been so much ns dreamed of in nny part of Asin or Africa，unless by Europeans．Lime is used as a medicine，and is of much importance in the arts，as n flux in the smelting of metals，in the shape of cllorate in bleaching，in tranning， and as \(n\) disinfectant，\＆e．（British Pharma－ copoia，1867．）Lime and limestones may be carried and landed coastwise without any customs document whatever．

Lime（Fr．citronier；Ger．citrone；IIin．neem－ do）．A species of lemon（Citrus medica，var．\(\delta\) C．） which grows in abundance in most of the West India islands，and is also to be met with in some parts of France，in Spain，Portugal，and through－ out Indin，\＆e．The lime is amaller than the lemon，its rind is usually thimer，nud its colour， When the fruit arrives at a perfect state of maturity， is a fine bright yellow．It is uncommonly juicy， and its flavour is estecmed superior to that of the lemon；it is，besides，more acid than the lat－ ter，and to a certain degree acrid．［J゙＇Ce； Lemons．\(]\)
LINEN（Ger，linnen，leinwand；Dutch，lyn－ waat；Fr．toile；Ital．tela，panno，lino；Span． lienza，tela de lino；Russ．polotno）．A species of cloth made of taread of flax or hemp．The linen manufncture has been prosesuted in England for a very long period；but though its progress has been considerable，particularly of late years，it has not been so great as might have been anticipated． This is partly，perhaps，to be ascribed to the efforts that have been made to bolster up and encourage the manufacture in Ireland and Scotland， and partly to the rapld growth of the cotton manu－ facture－fabrics of cotton having to a considerable extent supplanted those of linen．
In 1691，both Houses of Parliament addressed his Majesty（William III．），representing that the progress of the woollen manufacture of Ireland was such as to prejudice that of this country；and that it would be for the public alvantage were the former discouraged，and the linen manufacture established in its stead．His Majesty replied，＇I shall do all that in me lies to discourage the woollen manufacture in Ircland，and encourage the linen manufacture，and to promote tho trade of England！＇We may remark，by the way，that nothing can be more atrikingly characteristic of the illiberal and erroneous notions that were then entertained with respect to che plainest principles of public economy，than this address nud the answer to it．But whatever the people of Ireland might think of their sovereign deliberntely nvow－ ing his determination to exert himself to erush a manufacture in which they had begun to make some progress，Government had 110 difficulty in prevailing upon the Legislature of that country to second their views，by prohibiting the exportation of all woollen goods from Irclaid，except to England，where prohibitory duties were already laid on their importation！It is but justice，how－ ever，to the Parliament and Government of Eng－ land，to state that they have never discoveril any

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\section*{LINEN}
back warduess to promote the lines trade of Irelan which，from the reign of William llI．downware has been the object of regulation and encours ment．It mny indeed，lie doubted whether regulations have been always the most judici that might have heen clevised，and whether frel has really gnined auything by the fored rela has really gained anything by the forced Waketield，two of the highest Mr．Young and matters connected with lreland，contend that sprend of the linen manufacture has not been ndvantagenus．And it seems to be sufficien established，that though the manufacture mi not have been so widely diffised，it mould h been in a sounder and liealthier state，had it b less interfered with．
This great increase in the production of and linen is casily explained．The stimulus a to the supply of all materials for textile fable conseguent on the deficiency of cotton，will acco for the development of the cultivation of fas Ireland．The averago produce of tlax per ar 1864 and 1866，in stone of 14 lbs ．，was ：－

［Flax；Hemp．］
Bountics，－Besides premiums und ensom ments of various kinds，bountles were grant the exportation of linen for a very long previously to 1830 ．In 1829，for exsmple， withstanding it had then been very much red the bounty amounted to about \(300,000 /\) ， nearly one seventh part of the entire realurded value of the liuen exported that year！it easy to imagine a greater abusc．a bout this sort，instead of promoting the mannif rendered those engaged in it comparatired different to improvements：and thaugh been otherwise，what is to be theught of the of persisting for more than a centarry in sup the forcigner with linens for less than they We have not the least doubt that were the sums expended in well－meant but useless st to force this manufacture，added together their accumulations at simple interest，they be found sufficient to yield an annual io little，if at all，inferior to the entire ralue linens we now send abrosd．And atter business never began to de any real gow take firm root，till the manufacture ceasel domestic one，and was carried on princir？ mills，and by the aid of machinery，a which the old forcing system tended tocoum The only real and effectual legislative ena ment the manufacture has ever met with， the reduction and repeal of the duties of 1 ？ heinp，and the relinquishing of the absurn 2 to force their growth at home．

Irish Linen Manufacture，－Spianing hand is now almost unknown in Ireland， manufacture has disappeared from serend thic country，where it had been larelyinty On the whole，however，there can be no der the introduction of the factory aystem by and will continue to be，nest adram Bclfnst has long been the great sest of in facture in Ireland，and there it is and large factories furnished with the besm and conducted on the most approsed pi In 1841，there were in the town and itum vicinity， 25 steam mills for spinaing ing one of which employed 800 hands；\({ }^{4 d}\) the number of nills had increased to 3
            gh

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dinen
hen stat
illinan mill atani Eatio
elincu tradenf It elha illiam 1II. downward ulation and encoura doubted whether ays the most julicio sed, and whether Irel: ng by the foreel e. Mr. Young and rest authorities an to cland, contend that tfacture has not rea it seems to be sufficien the manufacture mid diffused, it would h lthier state, had it b
the production of cel. The stimulus giv arials for textile fabr cy of cotton, will scom e cultivation of flas rduce of flax per ant f 14 lbs ., was:-

emiums und ensow jounties were grate 1 for a very loog 1829, for cxsmple been very mach red o about \(300,000 /\), the entire realue dex ted that year! Il ter abuse. A boul moting the maxufu in it comparatirel nts: and though o be thought of the an a century in supp \(8 \hat{i}\) less than the oubt that were the ? neant but useless att are, added togethees imple interest, ther yield an annual a to the entire value broad. And atter to do any real goos nanufacture cessed carried on pricieip, of mschinery, 3 ystem tended tocorr tual legislatire enay las ever met with I of the duties on aing of the absurde home.
acture.-Spinting known in Ireland eared from serenl ad been lartely inta there can be no doy factory gystem by be, must sdrm he great seal of the 1 there it is cund d with the bes wor most approred pi he tornn and it a for spinning ad increased to
wisize andefficiency have also been considerably
wemented. The valuo of thi exports of all sult When manufacturcs from lelfast in 1850 ort wonsted at \(2,804,10 C\) ? And the exports, hins \(W\) Ireand were supposed to amonnt, in 1857 , to maxt \(106,000,000\) yard3, worth nbout \(4,400,0000\) orfan inconsiderable part of the exports goes ant to foreign countries; by far the rreater maja sent by the Cross-chanuel trade to are bnimin, or rather to Liverpool. According We 66 mill , thero were in Irehnd, in Wen. Wia may add that in all nbont 32,000 wid. Ine may ndd that in 1825, the trade kemen Great Britain and lreland was placed on topting of a coasting trade, and no official wish of the linens imported or exported from or ather country has since been kent at the asiohbouse ; but, though not official, such of We hamoing statemeuts as refer to them are, we Wirte nearly accurate.
the calture of flax in Ireland, which increased mop rpidy down to 1853 , declined to 91,500 mo in 1898, and gralually rose ngain to 263,507 wr in 1866, and 253,105 acres 1867, of which Hul! reze in Ulster. (For further details, sce and Lrith Almanac for 1868, pp. 779-784.) Sadd Linen Manufacture.-In 1827, a Boa Intes mas cstablished in Scotland for the perimedeace and improvement of the linen mondrure \(1 t\) is not easy to suppose that the suition of this Board could of itself have been any mierial scrvice; but considerable bounties adprams bcing at the same time given on apderimand exportation of linen, the manncruer rat on increasing. Still, however, it did dimmese so fast as cotton nad some others, Whant not reccived any adventitious support, te manary began to be extensively employed de mandacture; so that it is very donltful whatbe influence of the bounty has been so ayitrondd at first sight appear to have been. rapintions as to the manufacture, after having. thay objecled to by those concerned, were Cowere is tis and the bounties censed in 1830 . lowe is the grand seat of the Scoteh linen marrears has its progress there during the ring details in respect to it may not be unac-

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manalacture appears to have been introWito Dundee some time towards the beginWh, is prost ceatury; but, for a lengthened wir tit bess was comparatively slow. It thap; the shipments of imported, without amp; the shipments of linen cloth during ane rear being estimated at about \(1,000,000\) bugring. In \([799\) made either of sail-cloth end 102,444 tons, and the imports of flax Fthe exports that year those of hemp to 299 200,000 yards sail-cloth, \(7,842,000\) yards ne. Froai this period the trade 65,000 do. ditelfgradually; though not rade began to to the peace of 1815 , no not rapidly. Premen was cmployed in spinning quantity of prial, in conseqgacnce, in spinning; but about imporement of machinery and principally, ptroduction into the manury, and its extengraal regularity with whichech surn and partly mutcial Fere obtained from supplies of the 3 the trade began rapid from the Northern was, trade began rapidly to increase. Its woo flax and hemp quite astonishing; the , 1000 tons in 1814 to 15,000 tons in 1830 fom toma at an average of 1857 tons in 1830 , to 185 tons in 1865, though they fill 1858 , and li866, and 39,491 tons in 1867 fell to \(3 \overline{7}, 716\)

\section*{IINEN}

We gave in \(\Omega\) former \(\quad 837\) number of pisces of the ditlon an account of the linell foods anmually eve dillerent desctiptions of large quantities are exported from Dundee. But as tho carriage on them is charg by railway; and account is kept of the pieces so bed by weight, no consequently, no account can now despatehed; and, total quantitics exported. We now be riven of the assured, by a high nuthority ing, hovever, been tho total value of the anthority in the town, that in 1858 may be safely estimaterted from Dundee It is not eaty to pive any sated at \(3,100,0001\). tion of the wouderful progress of the lory explanafacture at Dundea. Something the linen manuto the convenient situatiothing must bo ascribed ing supplies of the raw materine port for obtainhaps, to the inanuraw material; and more, perhlished in the townsture haring been long estathe Carse of Gowrie and thifes of Strathmore Fife, of which Dundes the northern parts of these circumstances do not the emporium. But plain the superiority to not seem adequate to exattained in this deportmench slie has recently philosophical it may seament; and, however unthat wo can ascribe it to an, we do not really know currence of fortumate accidents else than a conis so difficult to explain as thats. Nothing, in fact, certnin towns frequin as the superiority to which partments of industry ing any peculiar facifities for carparently possessfrom whatever couties for carrying them on. But arise in the first instan their pre-eminence may once they have attrined, it is very difficult, when competition with them. The for others to come into established connections, wory have, on their side and dexterity in man, workmen of superior skill chinery \&e. Recently, indation, improved mafavour of old establisimaded, the advantages in siderable extent nouments have been, to a concombinations amongst thed by the prevalence of be hoped that means their workmen; but it is to this formidnble evil. may be devised for obvinting Dunfermble evil.
trict, is the principal scat of the contiguous disnapery. The table-cloths whiche manufacture of the best quality, and their which it supplies are of been greatly improved their patterns have latterly to, if they do not surpess, They are now fully equal furnished by Germanys, the very best specimens In fact, table-linen is and the Low Countries country for Germany ; now shipped from this cent. on the impertation and the duty of 10 per such like fabrics bas of German damasks nod such like fabrics has been repealed, without the measure having any injurious influence over the manufncturer in this country. In England the linenmtry.
seatod in Leeds and its immediate vis principally there are some very large mills ande vinity, where of the W. Riding. It is also carried in other parts Lancashire, Dorset, Durham carried on in parts of It is perhaps needless to and Sulop.
the linen trade during the last that, the state of quite exceptional. The last five years has been the cotton manufncture complete prostration of the American civil war, was the greater part of by a vast increase in the was to some extent met tile fabrics, and some years mustion of other texmanufacture of cotton, years must clapse before the natural proportions. Thax, and wool, resume their linen were double in Thus in 1865 the exports of much more than donble in valuc those of 18 cl , and
Value of the Manufacture ine.
employed. - There are no means Number of Persons an accurate estimate of the ay which to form inen manufacture of of the entire value of the Dr. Colquhoun estimated it Britain and Ireland. there cannot be a doubt that at \(15,000,000 l\)., but
the time, much exaggerated. In the firet dition of this work, we estimated tho annual value of the manufacture at 7,500,000l. Sir F. M. Eéa estimuted the entire value of the linen manufacture of Great Britain in 1800 at \(2,000,0000\). (Treatise on Insurunce, p. 76.)
In 1858, wo reckoned it at \(12,000,0001\). But it has inereased very rapidly since that time, especially since the conmencement of the cotton famine, and its value for tho Unitel Kingdom is at present (1867) probably not under, if it do not exceed, \(20,000,000 l\). But takiag it at this amount, and settiug aside a third part of this sum for the value of the raw material, and another third for profits, wages of superintendence, wear and tear of capital, coal de., wo have \(6,666,000 l\)., to be divided as wages amongst those employed in the manufacture. And suppesing each individual to earn, at an average, 40l. a year, the total number employed would be nearly 170,000 . We may add that necording to the returns under the census of 1861, 96,689 persons were then employed in the linen manufacture in Great Britain, of whom 76,897 were employed in Scotland, and 19,792 in England, while in Ireland the linen and damask wenvers alone numbered 60,626 .
Export of Linens to France.-Previously to 1833 the export of linens and linen-yarn from this country to France was quite incousiderable. It then, however, ''egan to increase; and the oppressive duties that previously existed on the importation of these articles into France having been materislly reduced in 1834-36, so powerful a stimulus was given to the trade, that the exports of yarn from the United Kingdom to France rose from \(4,012,141 \mathrm{lbs}\). in 1836 , to \(22,202,292 \mathrm{lbs}\). in 1842. This influx of foreign yarn having, of course, subjected the French spinners to consider
aine temporary difficulties, they set up a cr the rrinipiuaition of the duties; snd the Goren ment being weak enough, or ignorant enourgh listen to their interested representationg the edu were again largely augmented in 18+2. In an quence the exports of yam de., from this con to France declined cven more rapidly thay to France decined even more rapidly than th
had increased. But we may shortly sha the Injury which the French Goveriment did this measure to our spinners is but trifing ou pared with that which they did to their oing jects; for, whilo they stopped all prugress in inanufacture, snd deprived the producess of articles sent hither in exchange for racers of best market, they about doubled the price of tim to the consumers.
Since the negotiation howeyer of the comm cial treaty with France, a considerable increac the exports of linen yarn has taken place, thar the amount has only been inereasing slowly. linen trade with France is almost stationary,
An Account of the Pounds - Weight of \(L\) Farn Exported from the United Kingdor France during each of the undermentioned \(Y\) ending with 1867.


Account of the Quantities and Values of the Linen Manufactures and Linen Yarn of Br
Produce Exported from the United Kingdom in each of the 4 Years ending with 1 Wh:


The United States, Brazil, Cuba, and the Hanse Towns, but especially the first, are by far the
great outlets for yarn sre at presect Spain, ine. Gibraltar, the Hanse lomas, Ha largest importers of manufactured linens. The France, Italy, Belgium, and Prussia.

The following are the Imports of Flax, Hemp, and Jute for the 7 Years ending 186i.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{Articlea} & 1861 & 1862 & 1863 & 1864 & 1365 & 1866 & \\
\hline Flax, dressed or undressed & - & cwits. &  & \[
\begin{gathered}
\text { cwts. } \\
1,4515,962
\end{gathered}
\] & \[
\begin{gathered}
\text { cwts. } \\
1,842,917
\end{gathered}
\] &  & 15,517.991 & 1,6 \\
\hline Hemp, dressed or undressed & : & 800,100 & 984,385 & 1,059,86y & 1,083,763 & 1,1165, 005 & 1,100,094 & \\
\hline Jute (ei yarn) - & & 904,092 & 963,774 & 1,424,3,033 & 2,108,942 & 2,044,537 & 1,668,203 & , \\
\hline Total & - & 3,037,871 & 3,746,450 & 3,741,837 & 4,891,247 & 3,087,779 & \(4,174,599\) & 0 \\
\hline
\end{tabular}
* Undressed hemp only for 1867

LIQUORICE (Ger. sussholz; Fr. réglisse, racine douce; Ital. regolizia, ligorizia, liquirizia; Spau. regaliz orozuz). A perennial plant (Glycyrrhiza glabra), a native of the south of Europe, but cultivnted to some extent in England, particularly at Mitcham in Surrey. Its root, which is its only valunble part, is long, slender, fibrous, of a greyish brown externaly, and yellow internally, and when fresh very juicy, sweet, and without odour (British 1'harmacopocia, 1867). The liquorice grown in England is fit for use at the end of 3 years; the roots, when taken up, are either immediately sold to the brewers' druggists or to common druggista, by whom they are applied
to different purposes, or they are padidi like carrots or potatoes, till wanted. Li root was charged till 1853 with s duterd ewt., when it became duty free. 5 , titicn imported in 1867 , valued at \(6,85 \%\). LIQUORICE JUICE (Sucus Lin Popularly black sugar, the ingpisssele jor roots just mentioned. Yery little of idis is prepared in Britain, by far the geta our supply being imported from Sicily. in obtained by crushing the roots in anilt jecting them to the press, is slonfy bit becomes of a proper consistency, whenial into rolls of a considerable thictnans hit

suallir cosered with bay leaves．This is the ate in which we import it．Nost part of it is termands redissolved，puritled，nnil cast into nuall cy lindrical rolls of about the thickness of a muen gudl，when it is called refined liquorice．It pue qual，hlossy black colour，brittle，liaving a os then of a glossy back ．It is usel in the materia met mucilatinous taste．It is usch in the materia medict，particularly ln coughs，collds dec．What is culed ligworice paste is an inferior or coarser finery of the samo article，mostly brought from Turker．（Thomson＇s Cliewistry ；Thomson＇s Dis－ puatiory，）
The oppressive duty of 31.15 s ．per cwt．，with rich it was loaded down to 1842，was reduced in the rear to 97 s ． 6 d ，and in 1853 to 20s．The in ห．as repealed altogether in 1860.
The imports of juice and paste amounted in 1867 of 1,599 and 23,811 ewts．，respeetively．
WiSloN．The capitnl of Portugal，on the N， Unk of the Tagus，the observatory of the fort ving in lat． \(38^{\circ} 42^{\prime} 24^{\prime \prime}\) N．，long． \(9^{\circ} 5^{\prime} 50^{\prime \prime} \mathrm{W}\) ． The city proper is surrounded by walls with gates at larries，at which articles of food，drink，and ting for the use of the town pay octrois or duties． Tital pep．in \(1863,224,063\) ，whereof about 170,000 mrithin and the remainder without the walls． Lidon，withia the walls，paid in 1854－55，from Firl．1854，to June 30，1855，95，000l．public taxes， ＊inwl torndues，and \(46,000 l\) ．municipal charges： tinosimed，during the same period，11，877 sheep， \(13, \mathrm{j}_{3}\) pira， 19,826 oxen， 3,656 calves， 141,000 allow of wine，and 143,000 imperial quarters of whest the town dues are received by Government．
The tal revenue of the kingdom was esti－ musdiondirect nad indirect taxes for 1866－67， at in that \(4,404,393\) ，wand indirect \(9,085,309\) minas．
Purt－The harbour，or rather road，of Lisbon is me ef the tinest in tho world，and the quays are a tame conrenient and beautiful．Fort St．Julian wix the nothem entrance of the Tagus．It is tritu an steep projecting rock．Thero is a light－ Wrat in the centre， 120 feet above the level of the ma at the mouth of the Tagns are two large tamksalled the North and South Cachops．There antwo channels for entering the river；the North ulitte，and the Sonth or Great Channel，exhibited is the annexed plan．On the middle of the South Cahop，abont \(1 \frac{1}{2}\) mile from Fort St．Julian，is the Buigfat and light－house，the latter being 66 feet finkight．The least depth of water in the north casmelou the bor is 4 fathoms，and in the south 4．The only danger in entering the port arises tham the strength of the tide；the elbb running am at the rate of 7 miles an hour ；and after bant rains，when there is a great deal of fresh futer in the river，the diffieulty of entering is paiderably augmented．When，at such periods， twere is a strong wind from the sca，there is a rapite break all over the bar ；vessels moor up eddorn the river with open brwse to the south－ rum．In some parts they may come within 200 misot the shore，being guided by the depth of rite，which，from nearly 20 fathoms in mid－ canne，shoals gradually to the edge．
Trode gec－Mr．Seeretary of Legatira Lytton fate in his Report of January 15，1867，that ne 1861 no annual returns relative to Portugese ＊umere havebeen published．Thous s．one of the sit situated commercial cities of Europe，the manare of Lisbon canaot be very extensive，as at muntry she supplies is but small，and in a rrb backward atate of improvement，thongh the pital is now connected by rail with Spain and et rest of Europe．Contrary，however，to what wht perhaps be expected，nowhere is political dreligious toleranec carried to a greater extent：
there are several daily newspapers，both political and commercial，the jatter ably conducted．Tho police is excellent，and one may walk through all parts of the town at all hours of the night in perfect security．Lisbon has a gevermment commerdial school，a commercinl association，and a small though pretty exchange．It is lighted by gns．
The importation duties levied at the enstom－ house for the year endlng July 30,1862 ，were 551，397l．The principal imports were：－


1 milrela \(=51 \mathrm{~d}\) ．
The duties on exportation are 1 per cent．，ex－ cepting wines，liquors，onk bark，vinegrar，gold and silver，rags and argol．The export duty on port wine has been reduced from \(18 s .9 \frac{1}{4} d\) ．to \(1 s, 8 d\) ．per pipe．The Portuguese tariff is long and complex： a copy of it occupies 34 pages of Mr．Secretary Lytton＇s Report of June 22，1866．See also his lipport of January 15，1867．Chief exports in 1854， wheat \(39,100 \mathrm{qrs}\) ．（ 35,400 to England，3，500 to France）；wine 258,000 gallons ； 1,170 tons of cork wood， 62,000 tons of salt， 2,350 cutq，tartar， 62,000 half－chests oranges， 640 tous wool，and 2，700 tons oniens．
The value of the chief exports from Lisbon was in 1861－2， \(900,18 \mathrm{i}\) ．，of which liquids and vege－ table substances represented one－half．The values of the imports into，and exports from the port in 1864 ，were respectively \(3,085,1901\) ．and 923,750 l． The number and tomnage of vessels of ench na－ tion entered and cleared at Lisbon in 1864 were as follow：－
\begin{tabular}{|c|c|c|c|c|}
\hline Countries & \multicolumn{2}{|c|}{Entered} & \multicolumn{2}{|r|}{Cleared} \\
\hline & \[
\begin{aligned}
& \mathbf{V e n c e l i s}_{463}
\end{aligned}
\] & \({ }_{\text {145，}}^{\text {Tons }}\) & Vesests & \({ }_{\substack{\text { Tons } \\ 124,552}}\) \\
\hline  & 440 & & 40 & \\
\hline Norwerian & 44 & － & 46 & ニ \\
\hline Danish & 36 & － & 64 & \\
\hline putch & 4 & － & 90 & － \\
\hline Hrench & 21 & － & \({ }^{20}\) & － \\
\hline French & \begin{tabular}{|c}
136 \\
30 \\
30
\end{tabular} & こ & 148 & こ \\
\hline Porturuese
Brazilian & 351 & こ & 316 & ＝ \\
\hline Brazilian \({ }^{\text {Butar }}\) & 27 & 二 & \({ }_{47}^{21}\) & － \\
\hline Tutal & 1，322 & & 1，335 & \\
\hline
\end{tabular}

Few vessels are built at Lisbon．In 1864 only 2 ships came from the stocks in the capital．Most of the Portuguese shipping is built at Vianna， Figueira，and Caminha．
There are no longer any regular mail packets between Southampton and Portugal，except the Brazil packet which touches at Lisbon about the 13th of each month ：occasional merchant steamers carry letters between Lisbon and Liverpool，Glas－ gow，and London．

Thore ara nt lixames the following lumurater

Pheclitulo (Apa, Vice, ansi L.spe In.

I(eothuravall (Nran ang F Liv)



Agemenes of tho Vighiah companies Alhomomor,




 tapmasha, Maritimo.
 har are to heavereto at the D'ago d'Arens, that they
 oflider. Mastors of venedels must lirime with them 2 munifente of the carga, 'rontainitges shippurs' mal receivers' munew, markn, minulwer mul contenta is pmeknges, legnlised by the l'ortughese comsul at the port of depurture. I'hey will atherwina be thed double the mmonnt of datien, the bill of healdi
 gers, nud te ano legralised by thi l'urtagurse cousul. I'naneugers must bo provided with panapurta: manters of versels are otherwise liable to phy a thes.
Vesse is londing, unlondlug, or merdly remaining in the port (ins fronyeria), which they are permitted to do for \(i\) i lays (or for to days if suthlicient groumin for) nsalgned fir the indulfonere), minst minehor in
 anthorities; maid as any infrilligement on the castomes or port regolathons is fullowed hy heavy flow, and is often the canso of mush delay, they stionld be aurciully attemded to.
All mastere of versels, seamed, and panelugers are obliged to deniver up to tho nathorition who come on bontal all woun and tobnceo they may puskess, being ouly allowed to retalia whit may be deemed suthelent for thele own nise on bomad. Any tobaceo or soup found in their possersion whilo going on whoro is seized, milt tho benrur mibjected to imprisomment and to very henvy limen; tho tobaceo taken from the partics on arrival is restored to thein out lenving.
lout (harges cousist of pilotage and tomange dues. l'ilotuges linwaris for vessuls of 3 mnsts,
 outwarils for vessels of 3 maste, 32s, ; of 2 musts nind 1 ditto, 2 la. Tommpe dinos are rather compilicated. Vessuls conning in with \(n\) fill cargo and leaving in ballast, coming in and leaving in ballant, coming in with cargo and learimg with foreign foods, pay 13fof. per ton ; ntso veasels taking \(\boldsymbol{f}\) of the cargo salt and foreign goods pay said tonnage thes on the goerls.

Yessels arriviag loaded aud leaving with carpo pay for Portugneso foods 8ad. the same yessels taklug 3 nalt and the rev ainder goods pay on the l'ortuguese gools. Ves.als coming in and going out with the same enrpo pay ildal. per ton, also those which come in londed and leave with a full cargo of salt, nid those which take of of the cargo salt pay this tomnare duty on the salt. Vessels nrriving in hallast and leaving with a full cargo of salt pry no tomago dues, and vessels putting in in distress. No tomange dues are paid on grain, ail, or salt, if they form \(\frac{f}{}\) of the cargo, the vessel clenring for Lisbon.

Money.-Gold is the cirenlating medium, silver being only legnd tender to the extent of \(2 \% \mathrm{~s}, 3 \mathrm{~d}\), in any payment. The gold in circulation is almost all british coin, sovereigns and half-sovereigns, the former having a legal value of 4,500 , the lattor of 2,20010 reis. There are also some lortuguese
lelet a , wishdrawis the wew coilus coulat rem, areloming




 luifution af neemontar then mille rulis are symarated from the rels by the foilowing sign of thes a wo veruigu 1,6100 is 1 \$ 600 .
'Tho oldid crosmila in t(00), the new erosula Ive


 rpis. blilla drawn in furefigh coin, withunt any deriarein axclumure, are puyable in loutugal at di uso exchauge nt maturity. The ums is "iod it


 these, exceppfilig spmin, the price of the dilla

 lins levell melopted 'y tiovernment. Commeri

 grains. ide arvatole, or llow. za 1 nrrobia; darruluse 1 quintal; nud liug quintals, or 54 nemhas tominisimila or tovi. 1000 l'orfaguese lbs, \(=100\)


Tho measure by which corn, mall, mind Vagetaliles aro principully sold is the movo ut mo
 tuvissay? (rather more than 23) impo quart The weight of a moyo of corn depend, of cour on the quality of the grnio. A mogo of snum no taken nt nbout l, (i00 lis.
The prineipul liguid mensure, the almude \(=36\) imp. callous, is divilled into "2 potes or rantar 12 chnulas, nud 48 quartillows. A pipe in the provincesa 2 almudes; in Lislon for shipment os 100 almuaders \(=109 \cdot 2: 1\) ( \(109 \pm\) nensly) imp, gall
Mensures of lougth, 1 pes=1/ palnools bing. inch; 3 palnoesel covalo; \(\dot{5}\) palmos vara; 2 varns, or 10 palmos \(=1\) braça. A yarg reckoued equal to 4 palmos; a metre, to 4 paing
The weights are nuiform throughoul l'orth the measures vory almost frota non paridh another. (Donrsthine, Dirtionnaire Usirerseh "
Arrolia,' \&e.; Kelly's Cmubist, nrt. 'Listona;
Bank of Lisbon, now ealled Ilank of Puntut was founded in Nov. 1816, beling a reingent of the old bank founded in 1822. It capiza \(1,780,0001\)., in shares of ahout 222 , anil \(1 / \mathrm{L} / \mathrm{h}\) rate of disconint is invariably 5 per cent. per mite for bills not having thore than 3 maths tom
It has the privilege of issuing notes, and no is more valuable, of having its claims on ex pald in full, provided the eatate amounts inuch! This privilege, which is justly obnaf allows it to bo more liberal or less cautious in comnting than it would he otherwise. It is by to publish monthly statements of ita siture hut, like the majority of such documents, they Irawn out so that it is impossible to make and natisfactory out of them. From those of 1855 ? it appears that the notes in circulation 206,600t. ; deposits, 553,5001 ; casl, 353,\(4004 ;\) discounted, 325,200l.

Clummission. - Portuguese houses charge 3 per cent.; foreign heases 41 pa 0 del credere \& per cent. per month.

According to the Portuguese laws, qobliged to effect insurance on shipmeam t'se have orlers to the conteary.


 Fidifolfutter, and mometimen for rice, i per cent. hicarient.





 Fs effre, dupaiva oil in tim conisters, 2 ll .
 chatrait; Inlia -rablerer (ranntithour), at lh. jwer


 arbos, draft \(2 /\) Ih, hurrel 1416. to \(20 / 1\) h., dralt
 itapet buar














 latomer. 'The latter rapley 1,7 bist workniea.

On male of gowdy, revilite viry fog from 3 lı 6




I'roule of the Inited Kingilom with I'ortugal.nele tuil, ual real tares of conkn allowed. All Wo mily johii
 United Kinglom from I'ortnyail from 1 sitib wisti?.

amat of the Quantities and Values of the Princijal Articles, the Prosluce and Manufarture of the United Kingdom, Exported to J'ortuyal from 1865 to 1867.


842 LITERARY PROPERTY
III 186s there were 6,940 kilomètres of Portuguese railronds in ogeration and 3,245 in course of construction, but the want of good ordinary ronals is neverely felt throughout the country. (Mr. Lytton's Reporta, ending with that of 1807.)
A line of telegraphas now extends throughout the kinglom.
LITEAARY PROPERITY. [Bоокs.]
LITHALGE: (Ger, glote, givte; Duteh, gelit ; Fr. litharge; Ital. iltargirio; sipan, nlmartagn, litargirio; Russ. glet; Lat. Hitargyrium). An oxile of lead in an imperfeet state of vitriteation.

Most of the lead inet with in eomuneree contains silver, from a few grains to 30 nunces or more in tho fodder: when the quantity is sullicient to pay the exprense of separation, it is refined; that is, the metal is exposed to a high heat, passing at the same time a current of air over the surtace; the lead is thus oxidised nad converted into fitharge, while tho silver, remnining unchanged, is collected at the end of tho process.-(Thomson's Chemistry; de.) Lithargo is used for various purposes in the arts, by potters, glass-makers, painters de.

LIVERPOOL DOCKS, SIIIPPING dc. [Docks, Livenrons.]

LOADSTONE: (Ger. magnet; Dutel, mangeet ; Fr. aimant; Ital. calamitn; Span. iman; Russ. magnit; Lat. magnes). M. Hally ohserves, that the ores in which the iron coutning the lenst oxygen without being engaged in other combinations, form natural magnets; and he enlls tho londstones of commeree, which are found in considerable masses in Germany, Sweden, Norway, Spain, Italy, Chinn, Siam. the Philippine Isles, Corsien, and Lithiopin, oxidulated iron. The londstone is characterised by the following properties:-A very strong aetion on the magretie needle; specific gravity 4.2457; not ductile; of a dark grey colour, with a metallic lustre.- 1 'rimitive form the regular oetahedron. Insolulle in nitrie acial.
This singular substance wns known to tho ancients, and they had remarked its peculiar property of attracting iron; but it does not appenr that they were acquaintell with the wonderful property which it nlso has, of turning the pole when suspended, and left at liberty to move freely. Upon this remarkable circumstanee the mariner's compass depends, an inatr:u nht which gives us such infinite advantages ov r 'he nncients. It is this whilh enables the mariner to conduct his vessel through vast oceans out of the sight of land, in any fiven direction; and this directive property nlso guides the miner in subterrnecan excavations, and the traveller throngh deserts otherwise im. passable. The natural londstone has also the quality of communicating its properties to iron and steel; and when pieces of steel properly prepared are touched, as it is enlled, by the loadstone, they are denominatel artificial magnets. [Compass.]
LOAN [Funds; Intenest.]
LOBSTEE (lir. écrevisse; Lat. cancer) A fish of the crab species, of which vast quantities are consumed in London.
The minimum size of lobsters offerell for sale is fixed by \(10 \& 11 \mathrm{Wm}\). III. c. 24 at eight inches from the tip of the nose to the end of the middle fin of the tail. No lobsters aro to be taken on the coast of Seotland between June 1 and September 1, under a penalty of \(5 l\). The Scilly Islands and the Land's End abound in lobsters, as well as several places on the Scottish shores, partienlarly about Montrose. But the principal lobster tishery is on the const of Norway ; whence it is believed about \(1,000,000\) lobsters nre ammunly imported into Londun. Those of Heligolaad are, however, esteemed
the best ; they are of a deeper black colour, a their fleyn in tirmer thmn that of thome bruyith
from Nurway. Turbots and in from Nurway. Turbots and lotheter mar imported either in Britisho or foreign vesatia io of duty.
LOCK, LOCKS (Ger, achlibser: Duteh, sloten Fr. berrures; Ital, serruture: Span, eerralues
errrajos : Russ. Sanki). A wellecrrajus; Russ, Sanki). A well-known inintry ment, of whleh there are indinite varlofies grent deal of art and delieacy is sumotimes played in contriving and varying the on springs, boits \&e., aud adjusting them to places where they aro to bo used, ond to the a sions of using them. From the varivens strucem of toeks, aecommodated to their dififerent tot tions, they aequiro various namee, as stock lo suring lock, paclocks \&e. The grand diffict to be overcome in inaking a lock is to coostr it so that it may not be opened by any ker exe its own, nor admit of being picked; it thould be possessed of sufficient strength nad duratit and not be too complex. Many Ingenious trivnnees have been proposed for the attain of the desired becurity, several of which are sessed of much merit. And though we bed that no loek has hitherto been constructed may not (if proper fncilit les are given) be pié yet it is true that some of the best locks, 8 those made by Messrs. Bramal, Chubb, Mad and other first-rate artists, are so very difition pick, that the security which they afford mas a practical point of view, be regaried as ald perfect. Common door-locks aro now ose inserted in the wool, instead of being, as form screved to it; and when so placed are mortis locks. Cnrpenter's locks, in which the is perpendicular, are well known and widelr Willenhall, Wolverlampton, Walsall anilite tleld are tho chief seats of tho lock trade. 5,000 hands are reported to be engaged in localitics. Tho prineipal furelga markes Australia, New Zealand and hadia locks are, for finish and security, by far the in the world. (Birmingham and the Hat District, p. 77.)
LOG, SHili"S (Fr. loe). A pieece of usually of a fish-like or quadrantal shape, strueted and balanced, by being loadel at on as to swim perpendicularly on the surfied water. It has a line attachell to it , and ic ployed in ships to aseertnin the rate of s? The \(\log\)-line is divided into spaces, of knots, if properly measured, bear the same proy to a marine mile that it minute beas to an On throwing the \(\log\) into tho sea it ted stationary, or nearly so; and the log-line drawn out, or unwound from its reel brty proceeding on her course, her speed ise by observing the number of knots, ench of represents a milc, run out in \(\frac{1}{8}\) minute as uf by a \(\frac{1}{2}\) minute sand-glass. Hence, if 8 , knots are run out in t \(\frac{1}{2}\) minute, the rate of is 3,4 , or 5 miles an hour as the case 5 and hence, also, the custom of stating a shd of sniling in knots instead of miles. Y.R. variety of logs have been suggested; buts ciple being the same in them all, itis an enter into any particulars with respet construotion.
From the log being affected by cang other disturbing causes, the resulls dobil its means have usually to be subjected wo corrections; and, except under favourble stances, are but little to be depended on ever, therefore, an opportunity offers, bixa of the ship should be determined brite But in hazy weather, or when obserrations
deeprer black colont, an III that of thome brometh ts and lownters narit ish or foreiga yestati fre schlissecr; Dutch, olotes ature: Span. cernalua A well-known iusta are indnite varifies. Ielicacy is sumetimes and varying the war 1 ndjusting them to tho used, and to the oee irom the varions structur to their different inte pus names, as stock lo ke. The grand diffeult ing a lock ls to coostris opened by any key exce ing pleked; it should 1 \(t\) atrength nnd durabilit x. Many ingenions oposed for the attainm several of which are p And though we befi to been constructed tles are given) be pide of the best looks, suce Bramab, Chubb, Mort sts, are so very difitcull vhich they afford mar w, be regarded as ail r-locks aro now nem tead of being, as forma en so placed are ca 's locks, in whice the 1 known and widel ton, Walsall andlife of the lock trade. Xi ed to be cugaged in pal foreign maknts d and India. security, by far the gham and the Hord
oc). A piece of tin quadrantal shmpe, 30 \(y\) being londed at on ry on the surface 0 trached to it, and rtnin the rate of s? to spaces, of knots, rear the same prop minute beass to an into the sea it re - and the log. line from its reel, by th se, her speed is esti \(r\) of knots, each of \(t\) in \(\frac{1}{2}\) minute as me ass. Hence, if 8, inute, the rate of ur as the case ms om of stating a ghir d of miles. X.B. 1 suggested; bat in them all, it is need urs with respect
affected by curte the results obtrii to be subjected to under favourable be depended or nity offers, the tif termined br okes when obserrations
when, and in narrow theas, the lom, when
wir awh, may be of the greatest service; enrewoik never be whilly dispensed with and it Lroblook (Er, livere ilu lue) Tlis.
fact, the shifis jonrunl, therives its, which Is, be dircumatance of the dead rechoninhe frorn ault obtainel by heaving the low coming, or tle ship's cours, being usunlly of eompared with mentin improved state, the kiven in it. In n mount of crery event of ang inonk compirlises aita plaee turing a voyngre, whether relatinut that shin the crow, the passenuers (if aus) apm which should be taken (af any), or the puibls aner its occurrenco ofthe highest importance in all mate, too, as it the rosage, the low-book should bers relitilis wh aithrally compiled, and made out carefinlly sodistiact manter. This, indecel, is in a clear raipal duties of a master.
Wo (Ufrictal.). In aldition to, or in con mrina with, the ordinary ship's log, all mnsters Botthh ahips, not wholly engaged in the consthave, an bound to ketp an official log, in such nus may, from time to time, be prescribed by thanl of Tracle. The entries to be mado din and are sjeceilled in the Mercantilo Shipping ofinal logs to be kent is bevi of Trade, - The Ionrd thefmi of official log-books ivade shall aanc tuat for differeat elasses of which may be difwalin contains blace of shjps, so that each the mured; and an official lor of overyeinfant sps employed exelusivo every ship wow wets on the consts of del be kept in the npproprinto sited Kingum; wuch official log may, at athe sunctioned thaster or owner, cither bo the riscretion wa the ondinary ship's log or united ther distinet wtiut in all cases all the blanks in therewith bedurftlled up. (Sec 280) in tho ofticial ledres to be map, (Sec. 280.)
men to be made in due Time.-Every entry Whatter the suall bo made ns soon as wifnot made on tho same do which it relates, owidh it relates shall be day as the occurrence the the date of tho be made and dated so ns *acing it: and in eceurrence and of the entry wing it: and in no caso shall any entry mody to the of any occurrence happening nof discharge be made the ship at lier final tancharrival. (See 281 ) Latres required in (See 281.)
htip for which in Official Log,-Hyery master frimshall make or cause tog-book is hereby sis of the following matters. be made therein (4) Eriry legal conviction of (that is to suy,) mir, and the punshment intlieted member of Enery oflence committed byd
thenw for which it is inten by any member to enfotce a forfeiture, or to ex to prosecute, warithauch statement or to exact \(n\) fine, toa anch entry; and conconcerniug the reading asde to , and concerning the reply (it alde to the charge, as hereinbefore re-
*) Erery offence for which punishment is in 4 Astatement of the condunent inflicted: anications, of each of his crow, character, and The declines to give an opinion on a statement (b) Erers an opinion on such par-
(h) Erery casc of illness or iniury liappening anef, and the of the crew, with inse nnture and the medicsl treatment adopted (if
Prery asse of denth happening on beard
the cause thereof:
(i.) Every birth happening on boari, 84
parents: of the infant and the nawes of with (8.) Every \(m\) names of the
with the nanies and ngea of the place on tonnrd, (9.) The unme of every the partics : Who ceases to the a member of then the or apprentice canse thereuth, with tbo place, the erew, otherwise (10) Theof:
(10.) The ainount of Who enters her Mnfesty's service any seaman
voynare: (11.) The wage dis diriog the tice who dies durlug to any seaman or apprenamount of all dednetions to beyge, null the kross
(12.) The sale of tha to be made therefrem. apprentice who dies during the of any seaman or \(n\) atatement of each arting the voyage, inclading recelved for it: each natlele sold, ind of the sunt (13.)
the circumstances nuder whith nuy other alip, and (Sec. 282.) Entries
mads in officlal log signed. - The entries to be follows; viz: : Every-books shanll be signed as by the master nod such entry shall be sigued the crew, nad na by the mnto or some oinned death crew, and every entry of illucss, inther of denth shall be also entry of illuess, injury, or medieal practitioner on board by the surgeon or entry of wages due to or of the any) ; and every of ainy seaman or to or of tho sale of the effeet signed by the master andentice who dies shall be other member of thand by the mate andil be wages due to muy seaman who and every entry of scrvice shall be sigued by the euters her Majesty's senman or by the onlcer authorisedter and by the Penman into such service (Seced to receive the Penalties in respect of of icial (Sec. 283.)
ing offences in respect of official log.-The followo punishnble ns hercinnfter mentiog-books shal (1.) If in any case an kept in the manner hereby requg-book is not entry herely directel to be mado ined, or if nany book is not made at the time made in any sueh loghereby directed, the matime and in the manner offence ineur the spe master shall for cach such in respect thereef, or whe penalty herein mentioned penalty, a penalty not exceeding no such specific (2.) Every person who maxg \(5 l\).
made or assists in who makes or procures to be oftieial log-book in making any entry in nuy happening previously to the of uny occurrence her than port of discliarge morre thal of the shij) at hours after such arrival shall fore than twenty-four ncur a peonlty not excecting 30 each such offence
(3.) Every person who ing 301 .
tilntes or renders illegible wiffuly destroys or mu-log-book, or who wilfully makes cutry in any officinl made or assists in making makes or procures to bo entry or omission in aning any false or frandulent each such offence bo any such log-book, shall for demcanor. (Sec. 284.) decmed guilty of a misEntrics in official is
dence.-All entries mands to be received in Evi ns hereinbefore directed in any official log-book dence in nuy proceceding in shatlo received in evisulject to all just exception any court of justice,
Official Logs to be delivered to (Sec. 285.)
In the case of foreign- zoing th oshipping ifaster. within 48 hours after the ship's the master shall. port of destination in the ship's arrival at her final on the disclarge of the erew Kinglom, or uphappens, deliver to the crew, whichever first Whom the crew is disclare shipping master before the voyage ; and the master the ofticial log-book of trade ship, not exclusively owner of every home between ports ou the constly employed in irading between ports ou the coasts in the United Kinading

LOGWOOD
shall within 21 days after the 30th of June and the 81 st of December in every year transmit or deliver to some shipping master in the United Kinglom the oflicial lor-book for the preeeding half year ; and every master or owner who refuses or neglects to deliver his officinl log-book as liereby required shall be subject to the same consequences and liabilitics to which he is hereby made subject for the non-delivery of the list of his crew. (Sec. 286.)

Official Logs to be sent home in case of Transfer of Ship, and in case of Loss.- If nny ship ceascs by renson of transfer of ownership or change of emplayment to fall within the definition of a foreign-going or of a liome trade ship, the master or owner thercof shall, if such ship is then in the United Kingdom, within 1 month, and if she is elsewhere, within 6 months, deliver or transmit to the shipping master nt the port to whieh the ship belonged the officinl log-book (if any) duly made out to the time nt which she ceascd to be a foreign-going or home trade ship, and in default shall for each offence incur a penalty not exceeding 101.; and if any ship is lost or abandoned, the master or owner thereof shall, if prncticabic, and as soon as possible deliver or transmit to the shipping master at the port to which the ship belonged the official logbook (if any) duly made out to the time of such loss or abandonment, and in default shall for each offence incur a penalty not exceeding 10l. (Sec. 287.)

LOGWOOD (Fr. bois de Campèche; Ger. Kampescholz; 1)utch, Campecheout; Span. palo de Campeche). The wool of a tree (Hamatoxylon Campechianum, Linn.), a native of America, and Thich attains the greatest perfection at Campeachy, and in the West Indies. It thrives hest in a wet soil, with a large proportion of clay. The logwood tree is like the white thorn, but a great deal larger. The wood is hard, compaet, heavy, and of a deep red colour internally, which it gives out both to water and alcohol. It is an article of great commercial importance, being extensively used as a dye wood. It is imported in logs, that are afterwards chipped. (The logwood tree, and the adventures of those that were formerly engaged in cutting it, are described by Dampier; see his Voyages, vol. ii. part 2, p. 56, ed. 1720.)

The imports of logwood in 1867 amounted to \(28, \mathrm{i} 30\) tons. Of these 22,382 tons came from Honduras and the British West Indies, 1,012 tons
from Mexice, and 944 tons from the United States its price in 1867 varied from 106 . 10 s . 10 d , It \(15 s, 9 d\). per ton. The lisst is that from Mexico It was made duty free in 1815
We borrow from the learned and able work of Dr. Bancroft, the following curious details with respect to the use of logwood in this country:Lerrwood seems to have been first brought to England soon after the accession of Qucen Hiliza betl : but the various and benutiful colons dred from it proved so lingacious, that a gencral outcer ngainst its use wns soon raised; nand ans Act of Parliament was passed in the 23 rd year of her reign, which prohibited its uso ns a dye under severe penalties, and not only anthorised but \(d\) -
rected the burning of it in rected the burning of it, in whatever hands it might bo found within tho rcalm; and though this wood was afterwards sometimes clandiestinely used (under the fcigned name of blaekwood), it continued sulject to this prohibition for nearly 160 years, or until the passing of the Acts 13 \& 14 Ch. Ir.; the preamble of which declares, thot the ingenions industry of modern times hath tnught the dyers of lingland the art of fixiur colours made of logwood, alias blenekwoul, so as that, by experience, they are found as lasting as the colours made with any other sort of dyeing wood uhatever; and on this ground it repeals so much of the statute of Elizabcth as related to logrood and gives permission to import and use it f dyeing. Probably the solicitule of the dyerst obtain this permission induced them to preteas that their industry had done much more than really had, in fixing the colours of logwood; mor of which, even at this time, are aotoriously def cient in regard to their durability.' (On Perma nent Colours, vol. ii. p. 340.)

LOUIS D'OR. A French gold coin, firistrme in 1640. It was subsequently male by the Fread mint regulntions equal to 24 lirres, or 11 sterlit This, however, was under-rating it in respect silver: and hence, as every one preferred pario his debts in the over-valucd coin, silver becar the principal currency of France, the gold col being either sent to the melting-pot or exporte In Britain, the process was reversed. Gold hari been, for a lengthened perixd, over-valued be mint in respect to silver, it becume the prider currency of the country.

LUBFiCK. [Hanseatic Je.igle.]
LUGGAGE. [BAGGAGE.]

Th Harbour 40thit and 1 warenient of parivel light rut ounber can mater not ho 4ge thing, they \(f\) Lisber side of \(t\) Lis, from the te gras the south semere runs ila lack, accompl Irenels coming verfortagulese rtut torn.
Trexp a ship a zarelly boarde
a) hatao roads.

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2. Sad alar at the \(f_{0}\)

MACAO. A sea-port and settlement belonging to the Portuguese, on the island of the same name, nt tha mouth of the Canton river in China, in lat. \(22^{\circ} 12^{\prime} 45^{\prime \prime}\) N., long. \(113^{\circ} 35^{\prime} \mathrm{E}\). The situation of Macao strikingly resembles that of Cadiz. It is built near the extremity of a peninsula projecting from the south-west corner of tho island of Macan, to which it is joined by a long narrow neek. Across this isthmus, which is not moro than 100 yards wide, \(a\) wall is erected, with a gate and guard-house in the middle for the Chinese soldiers. The greatest length of the peninsula belonging to the Portuguese, from N.E. to S.W., is under 3 miles, and its bre..ith under \(\frac{2}{2}\) mile. The broadest part, to the north of the town, is flat, and of a light sandy soil: but is well cultivated, principally by Chinese, and produces all sorts of Asiatic and European culinary vegetables. Iro-
visions are obtained from the Chinese part of island or from the main land.
The Portuguese obtained possession of Ut in 1586. It was for a considerable period the of a great trade, carried ou not only with Cb but with Japan, Siam, Cochin-Chinn, the Ph pine Islands \&c. : but for many years past it been of comparatively little importance thour is probable, that if it belonged to \(n\) nare 5 prising and netive people, it might still may most part of its former prosperity. Formeli, public administration was vested in a sender
posod of the bishop, the judge, and a fery principal inhabitants: but all real authonty till 1840 in the hands of the Chinese msa resident in the town.
Advantage was taken, however, of the the
weakness to which the Chinese rere reduc
the United States \(10 l .10 \mathrm{~s} .10 \mathrm{~d}\), to ithat from Jexico
and able work of rious details with in this comintry:\(n\) first brought to on of Queen Eliza. utiful colours dyed nt a general optery el; nind an Act of : 23rd year of hee ise as a dye unde authorised but di. whatever hands ealm; and though times clandestinely e of blackwood), it ition for nearly 100 f the Acts 13 \& 1 lich declares, that aodera times batb 1 the art of fixing as blackwood, so as found as lasting as r sort of clyeing uood it repeals so much related to logwood oort and use it for ande of the dyers \(t\) sed them to pretea much more than i ors of logwood; mos re notoriously def sility,' (On Perma
gold coin, first struc made by the Frend livres, or 11 , sterlin ting it in respect me preferred paris com, silvet becar ance, the gold wou ing-pot or exporty rersed. Gold hari , over-valued by 0 occume the prime

Leigute.]
possession of X lerable period the not only with Ch in-China, the Ph any years past it importance thou ged to a more it might still re jerity, Fomerl' ested in a senate? lge, and a ferro ill real authonty te Chinese mand
wever, of the eth nese were rciun
the war with Great Britain in 1839-42, to
the Chinese civil functionaries and Customs , captain of the port of any 845 whed ploar as a colony of Portugal, an nssumpfon fied the Clinese Goverument have not burerer, almitted, and which will probably be xairely combsted cte long.
The population of Macao is estimated at some 6, 400 Chinese and 5,000 Europeans or Indo-Euroसafis,
The Government is eonducted by a Governor, the Cbief Justice, who, with the Scerctary of Governwet, are as a rule the only oflicials coming from the mother country.
The following return shows the number of (hinese exported as bond-servants from Nacao in 18ib:-


The folloring is a summary of imports, with atimatel ralue, for 1866 :-


Thesifyus are, however, only approximate, in the dextece of a custom-house, a simpie me mandimof cargo is all that is required by the Govenmer. The value of exports from Macao (i) li8\% anounted to 4,665,361 dollars, and in

Dieflluwing is the return of shipping for the


The Harlour is on the west side of the town hixrenient of acest's Island, and is small and cerement af access save by vessels of com cuirelr light draught, of which, moreover, no fan mater not being sufficiently ded at one time. matsurs, they genntally anchor deep to adnit hegelaps, they genatally anchor in the roads on CLEE fom the tewn, an open, from 5 to 10 miles ito the south br the in sca way protected stemer mas daily from Hong Kone the Typa. shask, accomplishing the Hong Kong to Macao Inee:'s coning into the journey in 4 hours. drepes coning into the roads send their boats kdetoran.
th side
nameally boarded by among the islands, she
byamly boarded by a pilot, whe carries her
pilat pruceels to stach as she is anchored,
ind her nationsity
bust, application nust be me be any women Whate, for leare to send thome to the bishop crillant be permisted to procem on shore, as besuin, As sooa as the proceed to Whampor messary enquiries, he oriandaria has made blings with lim a chop or license a river pilot, a Tivris, or month of the Canto to pass the treste ship to Whampoa. For river, and and charges see Wianapos or pilot regula lutien, but the following harbour port dues redicued:-
Yeawo Port Regate
Mod and wanting a pilat Any vessel nearing
bual lag at the foremast heol must have its
So notice will be taken at the office of the
atiale, and sinte 1849, the settlement has been Vessels coming in or grolagy damage occurring to
the oflice pilot in or golag out when not piloted by 3. The capt
pilut withont having port will not employ any and as it is necessary to previously examined him; vessels coming in or coine a a pilot establishment, pilot will not be exempted without such office pilotngo clues. be exempted from puyment of 4. Captain
his vessel at the capssel or his agent shall report 24 hours after his arrival, and port's office within o he shall pay a fine of 100 dollars
5. The captain of a 100 dollars.
present his ship's papers at the office landing shall tain of the port; where they will remain the capdeparture. 6. Vess
gunpowder on board. Such inner harbour with deposited at the Bar. Such gunpowder must be ort, whence it can be re 7. It is
overboard in port, under a penalty bast or rubbish
8. Vessels are not per penalty of 100 dollars moorings in the not permitted to change their the eaptain of the port.
for letting go.
10. If any
be reported to the captain vessel, the same must assist in his apprehension of the port, who will not be found during the stand if the deserter canbut should appear after her of the vessel in port, alested (if so required) and arture, ho shall he police authorities.

\section*{1I. It is fies.}
the consent of the captnin land invalids without travention of the captain of the port. For condollars.
12. If the captain of a ressel wishes to send any sick man to the hospital, he mustes to send any captain of the port; the vessel being answerable
for the expenses. 13.
cither part or tain of a vessel may not discharge withor part or the whole of his crew in discharge without the permission of the captain Macao,
port.
14. Vessels coming to in the ronds, with
ion of loading or unloadiug muads, with intenoffice of the captain of the port report at the the oth art. Ageats will be held as ordained by the neglect. Ageats will be held answerable for
Althongh the independence of Macao is offstatus as a Portuy the Chinese Govermment, its in fact by the British any has been recognised who maintain Consular and other Govermmeats, control of their respective subject but leave the the Portuguese authorities subjects in the hands of on the 13th August 1862 betiveenty was signed of Macao and two Chinese Conumissione Governor wording of which Portugal was Censioners, by the undispnted possession of the left fiee to infer the exchange of ratifications peninsula; but on the following rear the treat being demanded in the Chinese Government, on was disavowed by had been extorted under on the ground that it The currency of Macan egular mennces.
de. are the same as those of Coiphts and measures Trade of Macao. The of Canton.
not permit any vessels, except suege regulations do Portuguese or Spaniards, of which as belong to few, to trade at Macao. But there are very imhabitnuts lend their But the Portugnese consideration, to such foreigners for a trifling associated with them for the purpo wish to be from the port. Independently, purpose of trading
vessels of other nations usually experience no difficulty in obtaining the connivance of the Chinese officers to the landing or receiving of goods in the ronds, by menns of Portuguese boats. At intervals, indeed, the prohibitory regulation is strictly enforced; but we believe that there has been no instance of this in recent years.
Fort Charges.-The mensurement duty paid by Spanish and Portuguese vessels is moderate. When a vessel has once paid the full amount, and is admitted on the list of registered ships belonging to the port (limited by the Chinese to 25), she is liable only to a third of the original charges, on every subsequent occasion of her entering, so long as she continues on the register. Portuguese vessels from liurope do not possess this privilege, unless they be registered as belonging to a morador of Macao.
The rates of measurement duty, which vary, as at Canton, on three classes of vessels, aro the following: -

These rates are nearly the same as thoso levied on Cianton junks, trading with foreign countries, and ought, in fact, to be entirely so. The dimensions are taken and calculated in the manner formerly practised at Canton; but the Chinese, nt both places, spenk not ot the covid, but of the chang of 10 covids. However, as this is only a decimal increase, it makes no difference in the method of calculation.
The following additional charges, to be calculated on the amount oif mensurement duty, are the same on every class of eessels, viz. :-

2 per cent. for inspectors.
8 per cent. for difference in weight by the treasury scales.
10 per cent. for loss in melting.
17 per cent. for making sycec.
Also the sum of 70 taels for the 'publie purse,' or hoppo's treasury.

In addition to these, the following are the charges levied by the hoppo (collector of customs), or his deputy:-
On a 1st class vessel from Europe, 250 taels; if belonging to Macao or Manilla, 50 taels.
On a 2nd class vessel from Europe, 240 taels; if belonging to Macao or Manilla, 40 taels.
On a 3rd class vessel from Europe, 170 taels; if belonging to Macao or Manilla, 30 taels.
Ships importing rice are exempt from the measurement duty, and pay only \(5 \circ\) dollars, as fees to the procurador of Macao and the ofticers of his department.

Portuguese vessels from Europe, in addition to the measurement duty, have to pay to the Canton hong merchants a charge, termed by the Portuguese, Manistagem, or Consoo charge, whieh is usually a matter of specitic barguin, varying from about 200 dollars on a vessel of 200 tons, to 3,500 dollars and upwnrds on those of 500 tons, and of larger sizes.

The charges on goots carried by the inner passage, between Canton and Macao, being generally less than those paid on croods to and from Whampoa; and the dities levied by the Portugnese, on articles of merchandise imported by vessels belonging to Macao, being very moderate; the Chinese are often led to engage in speculations on buard the Macto vessels, the risk heing so much less than in native junks. It the ship owners could so manage their expense as to be satistied with only the same freight as is charged by Eurlish vessels, it would probably induce many more Chinese to make remittances in this way.

Opium.- The trade in opium is prohibitel at
Macao by the Chinese Government throughout the rest of the empire. It was well as theless formerly carried on to a greatextent beserl'ortuguese moradores, or citizens, to the exclus the of all others, even Portuguese who were not cinizens But this restriction having occasionel the dectine of the trade, it was abolished in \(18: 3\), whea the senate passed a regulation, throwing open the trade to all, without distinetion, whetiner \(\mathrm{H}_{1}\) thuguese or foreigners ; securing to the latter, bus ditality and the utmost freedom in their specul tions.' The import of opium is on the matrase Macao, 9,076 chests (chietly Patua), valuel \(5,429,103\) dollars, having been landed here in 18 or while in 1865 but 7,593 chests, valued at 3 , 5150 lollars, vecre brought in.
Imports,-Goods imported pay at the Portugue Custom-house a duty of 6 per cent. on a fise vnluation, besides some fees. and coolie hire. Tt following are a few articles extracted from tariff:-
\begin{tabular}{|c|c|c|}
\hline \multicolumn{2}{|l|}{Articles} & Valuatioa \\
\hline Cottnn - & & \\
\hline Broad cloth, middlling & per picul
covid & \[
1-6 i n
\] \\
\hline 隹 \(\begin{aligned} & \text { better than ordinary } \\ & \text { ordinary or coarse }\end{aligned}\) & " & 0-4\% \\
\hline Camlets - & " & 0.440 \\
\hline Hetel nut & picul & 1.240 \\
\hline Tin \({ }^{\text {Tind }}\) - \({ }^{\text {- }}\) & prn & \\
\hline 13irds' nests, 1tt sort : & & \({ }_{22}^{8}\) \\
\hline Saltyetre, Bengal & picul & \(1 \times 619\) \\
\hline Paper coast of Goa: & " & 4.6 \\
\hline Pepper - & & \({ }_{4} \cdot 6\) \\
\hline
\end{tabular}

Gold and silver, whether in coin, in butlica manufnctured, pay on importation, 2 per ce except in Spanish vessels from Manilla, whea charge is \(1 \frac{1}{2}\) per cent.

Exports.-No duty is levied by the Portang on goods exported from Macao; yar does Custom-house take any cognisance of them.

Duties and Charges on Goods landed at Mac Macao is a place without any manafacture commerce of its own. Prices are, in conseque generally dependent on those of Canton. IV is usually paid at 72 taels per 100 dollas.
It is a point of some interest to ascertain internal duties and expenses to which landed at Macao are liable, before coming the Chinese purchaser's hands at Canton, the subject is so involved in mystery and ut tainty, the charges varying according to quantity of goods laden in one boat de., that scarcely possible to arrive at any accurate mation respecting it. We believe Lowerer the following may be considered as a pretty approximation to the real amount of \(c\) incurred on cotton landed at Macao:-

\section*{Portuguase duty, fees ice.}

Duties and charkes on conveyance to Canton
anton charges, ditierence of weighanton
kerage on sale ive. . . . , k-l
The duties and charges on conveyance from and
Macao to Conton are, for pepper.
Ditto, rattans
Ditto, betel nut cxaminer charges 90 taels p piens, the largest quantity alowe conveyed by a single boat; but the amme of \(90^{\circ}\) tacls is levied, although the bast only contain 100 pictuls.
'I'te duty on exporting goods from \({ }^{2}\) Macao is in some cases less, in other case than the Whampoa duty. Thas ants Macno pay 2 dollars per 100 less than 0 10a. Must descriptions of silk picee go fay less duty. On the other hand, tean

MACARONI
MadDER

Thin wre dc. pay a higher duty to Macao than thampoa.
Fot details as to the Weights, Measurcs \&xc. for llacao, sce Canton.
ate mile our exports to Macao were uil in 1867, While our excefrom (chiefly tea) amounted to our
2., int further perr, art. 'Macao ; 'Milburn's Orient. haia Gasetteer, Constar Reports on Trade of China \&e. han: and CCastos.]
[wijib. Cantos.] species of wheaten paste y.cakoNi. A species, hollow tubes, used kmed into long, slender, wing us in the same substance as vermicelli mowse ifference between them being that the duanly dule into smnller tubes. Both of them watis mate in the greatest perfection in Naples veptater furm the farourite dish of all classes, rine they form food of the bulk of the population. an of the hard wheat (grano duro) im the the Black Ses is the best suited for pand rufacture of macaroni. Being mixed with nes it is kneaded by means of heavy wooden Whes mought by levers, till it aequires a suflidence of tenacity; it is then forced, by cu msure through n number of holes, so at. that it is formed into hollov eylinders. ochered tate piven to the tubes depends on their bumer those of the largest size being macawitherst to them vermicelli, and the smallest deiri it Genos, and some other places, the wetrebured by an admixture of saffron; bot undishere its preparation is best understood, potinsised except tlour and water; the best ben ale of the tlour of hard wheat, and the Wer: stts of the flour of soft wheat. When madrapared and boilel to a nicety, Neapofon miaroni assumes a greenish tinge. It is da tien out of the caldron, drained of the raw, and heing saturated with concentreed 04 arr, and sprinkled with fincly grated detif forms a dish of which all classes, from thance to the beggar, are passionately fond. Reta macaroni used by the poor is merely We in phan water, and is rarely eaten with ertodiment whatever. Tho macaroni usually matup in England is said, by those familiar citar of Xaples, to be a disgrace to the name tas. When properly prepared, macaroni is zaiman and easy of digestion. The lazzaroni athemselros on the dexterity with which Fradlow long strings of macaroni and verWiximibout breaking them. (We are princiWidebted for these details to an article on arge in the Penny Magazine for August 10,
Thandi is liable to a duty of 4.2 per cwt. In rive imported \(10,266 \mathrm{cwt}\), of macaroni and arelli, ehiefly from Genon.
HICE (Ger. macis, muskatenbluthe; Dutel, w, bev, muscaatbloom; Fr. nacis, fleur de cralk; Ital, mace; Span, macı : '?ort. maxHa de noz moseada; Lat. mo is). A thin, wedraioons substance, enveloping the nut\&:ad eonsequently only to be \(i\) and in the crias that produce the latter. It is of a aridith rellow colour, a pleasant aromatic el nda 1 rarm, bitterish, pungent taste. Mace dify inported from Penang and siugapore hs tach weighing nbout 100 lb . Mace whe chosen fresh, tongh, oleaginous, of an xade fracrant smell, and a bright colourtyititer the better. The smaller pieces are made the best. The preferable mode of packEintales, pressed down close and tirm, which re it fragranee and consistence.

The duty on mace was rednced in 1853 from 2s. \(6 d\). to 1s. per lb. It was abolished in 1859 In 1867 wo imported \(26,269 \mathrm{Ib}\).

A production is met with on the coast of Malnbar, so like mace, that at first it is not casy to be distinguished; but it has not the least flavour of spiciness, and when chewed has a kind of resiny taste. Eight cwt. of mace are allowed to a ton. The East Iudia ton of mace is 50 cubic feet in cases. (Milburn's Orient. Com.)

MADDER (Ger. fürberöthe; Dutch, mee; Fr. alizari, garance; Ital. robbia; Span. granza, rubin; Russ. mariona, krap; Ilin. munjith). The roots of a plant (Rubia tinctorum), of which there are several varieties. They are long and slender, varying from the thickness of a goosequill to that of the little finger. They are semitransparent, of a reddish colour, have a strougt smell, and a smooth bark. Madder is very extensively used in dyeing red; and though the colour which it imparts be less bright and beautiful than that of coclineal, it has tho ndvantage of being cheaper and more durable. It is a native of the south of Europe, Asia Minor, and India; but has been long since introduced into and successfully cultivated in Holland, Alsnce, Provence \&e. Its cultivation has been attempted in England, but without any beneficial result. Our supplies of madder were for a lengthened period alnost entirely derived from Holland (Zealand) ; but large quantities are now imported from France and Turkey.
Duteh or Zealand madder is never- exported except in a prepared or manufnctured state. It is divided by commercial men into four qualities, distinguished by the terms mull, gamene, ombro, and crops. The roots being tried in stoves, the first species, or mull, consists of a powder formed by pounding the very small roots, and the husk or bark of the larger ones. It is comparatively low priced, and is employed for dyeing cheap dark colours. A second pounding separates about a third part of the larger roots; and this, being sifted and packed separately, is sold here under the name of gamene or gemeens. The third and last pounding comprehends the interior, pure, and bright part of the roots, and is sold in 1Iollnud under the name of hor kraps, but is here simply denominated crops. Sometimes, however, after the mull has been separated, the entire residue is ground, sifted, and packed together under the name of omberoofde or ombro. It consists of about one third of gamene, and two thirds of crops. Prepared madler should be kept dry. It attracts the moisture of the atmosphere, and is injured ly it.
The Smyrna or Levant madder (Rudia percgrina), the atizari or lizary of the modern Grecks, is culvated in Bœotia, along the border of lake Copais, and in the plain of Thebes. It also grows in large quantities at Kurdar near Smyrnn, and in Cyprus. The madder of Provence has been raised from seeds carried from the latter in 1761. Turkey madder allords, when properly prepared, a brighter colour than that of Zealand. It is, however, imported in its natural state, or as roots; the natives, by whom it is chictly produced, not having industry or skill sufficient to prepare it like the Zealanders, by pomnding and separating the skins and inferior roots; so that, the finer colouring matter of the larger roots being degraded by the presence of that derived from the tormer, a peculiar process is reguired to evolve that beautiful Timkey red which is so highly and deservelly esteemed. (Thomson's Chemistry; Bnncroft On Colours, vol. ii. pp. 221-278: see also Beckmann, IIistory of Inventions, vol. iii. art. 'Madder.')

\section*{MADDER}

In Frnnce, madder is prepared nearly in the sume manner as in Zealond. The following instructive detaile as to its cultivation, price dc. in Provence, were obligingly furnished to us by an English gentleman, intimately aequainted with such subjects, who visited Avignon in the autumn of 1829:-
'This town (Avignon) is the centre of the madder country, the cultivation of which was introduced here about the middle of the 18th century, and, with the exception of Alsace, is still confined (in France) to this department (Vancluse). The soil appears to be better adapted for its cultivation here than anywhere else, anc it has long been the souree of great wealth to the enltivators, But the returns fluctuate very greatly.
'The root is called alizari, and the powder (made from it) garance or garancine. The plant is raiscl from seed, and requires 3 years to come to maturity. It is, however, often pulled in 18 months without injury to the quality; the quantity only is smaller. A rich soil is necessary for its successful cultivation; and when the soil is impregnated with alkaline matter, the root acquircs a red colour; in other cases it is yellow. The latter is preferred in England, from the long habit of using Dutch madder, which is of this colour; but in France the red sells at 2 ir. per quintal higher, being used for the Turkey red dye.
- It is calculated that when when wheat sella at 20 fr . per hectolitre, alizari should bring 35 fr . per quintal (poids de table), to give the same remuneration to the cultivator. That is, wheat 63s. per English quarter, and alizari 34s. per English cwt. The price has, however, been frequently as low as 22 fr. per quintal.
' Prices undergo a revolution every 7 or 8 years, touching the minimum of 22 , and rising as high ais 100 fr . As in every similar case, the high price induces extensive cultivation, and this generally produces its full effect 4 or 5 years after. The cwt

Account of the Quantities and Values of the different varieties of Madder Imported in 1866, show the Countries whence they caine, and the Total Value of the Imports from each Country,
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Countries} & Madder & Madder Root & Munjeet & Garancing & Vilue \\
\hline Russla & & cwi. & 6,088 & & & & \(t\) \\
\hline Holland & - & - " & 10,212 & j,658 & \(\because\) & 12,496 & 103, 12 \\
\hline France \({ }^{\text {a }}\) - & - & - " & 98,731 & 8,333 & \(\because\) & 36,337 & 181615 \\
\hline Austrian Territories: & : & - " & 2,318 & 83,021 & - & \(\stackrel{4}{47}\) & 8, \\
\hline (ireece & , & - \(\quad\) " & & 1,378 & \(\because\) & & , \\
\hline Turkey & - & - \(\because\) & 3,495 & 141.285 & . & . & 19\%\% \\
\hline Eript \({ }^{\text {Pritish India, Bombay and Slàde }}\) & : & - \(\quad\) " & \(\because\) & 1,454 & 170 & - & 3,414 \\
\hline Hengal and Peru & - & - " & \(\because\) & \(1, \square\) & 1,151 & \(\because\) & cold \\
\hline Other parts: & - & - 0 & 781 & 1,920 & - & 80 & \(3{ }^{2}\) \\
\hline Toinl & - & - & 121, 663 & 221,668 & 1.851 & 49,150 & 1,7615 \\
\hline
\end{tabular}

In 1867 we imported \(121,146 \mathrm{ewt}\). of madder and \(138,355 \mathrm{cwt}\). of madder root, and exported \(1,105 \mathrm{cwt}\). madder, and \(3,581 \mathrm{cwt}\). madder root.

In 1867 the garancine imported was valued at 61.11 s . per cwt., and the madder and madder roots at from 1l. 12s. to 2l. 7s. 6d. per ewt. (For an account of East Indian madder, see Munjeet.)

\section*{MADEIRA. [Wine.]}

MADRAS. The principal emporium of the coast of Coromandel, or western shore of the Bay of Bengal, lat. of lighthouse, \(13^{\circ} 5^{\prime} 10^{\prime \prime} \mathrm{N}\). , long. \(80^{\circ} 16^{\prime} 29^{\prime \prime} \mathrm{E}\). It is the aeat of the Government of the second presidency of British India, having under it a territery, including the tributary states, of 257,042 square miles, with a population, according to the lateat returns, of \(36,060,551\), paying, in 1865, a gross annual revenue of about \(7,000,000 i\), sterling. The town had a population, in 1862, of 457,771, and is situnted in the Carnatic province, a low, sandy, and rnther sterile country.

It is without port or harbour, lying close upa, margin of an open roadstesd, the shores of m are constantly beaten by a heavy surf. BC these disadvantages, a rapid current runs the coast; and it is within the sphere of the canes or typhoons, by which it is occasio visited. In every respect, indeed, it is a rea convenient place for trade, and its comme consequently greatly inferior to that of Calcutta or Bombay. It has beea in the sion of the English above two centuries been founded by them in 1639, and retaine since. Fort St. George is a strong and hand fortification, lying close to the shore. The Town of Madras, as it is called, stands north and eastward of the fort, from rtia separated by a spacious esplanade. Here the native, Armenian, and Portuguese max with many Europeans unconnected ni Government. Like most other Indian to
o any degree of adul-
e country, which mas (November 1829) at at 40 fr very shorly.
th here and in Hols being also deficient aall quantity existin? believe that the prict ny months, and will ear or two more.
ationed are of 100 lls n general nse oferth in Marseilles. Th ferent provinces, , rar lighter than the poil 4 poids de tables = 126 lb . are equal to ange of 25 50 the cm reight, duty, snd andon or Liverpoo repealed in 184j, te by keeping, proia
reighing from 15 to
orted in 1866, slow each County,
\begin{tabular}{|c|c|}
\hline Garancine & Thater \\
\hline & \({ }_{15,04}\) \\
\hline 12,296 & 10i, 18 \\
\hline 36,337 & 481,615 \\
\hline 431 & 38,480 \\
\hline " & 2, \({ }^{\text {a }}\) \\
\hline - & 290 \\
\hline " & , 1 , 1 \\
\hline " & \% \\
\hline \({ }^{8} 80\) & 3,5 \\
\hline 49,150 & 1,041,5 \\
\hline
\end{tabular}
ur, lying close upa d, the shores of a heary sorf. Bo pid current runs the sphere of thel nich it is ocarion indeed, it is a rea e , and its comme rior to that of las been in the ? two centurie, .639, and retaing a strong and hand the shore. The called, stands fort, from with splaunde. Hex Portuguese many unconnectel mil other Indias to
is immular and confused, being a mixture of
trick and bamboo houses necessary to keep tho lead going, and to keep a lick and Boabay, is subject to English law; vigilant look-out. (Statement issued by Marine buing a Supreme Court of Judicature, the phdose of which aro named by the Crown, and neatogether independent of the local Govern-
sout. The population is not tuind, but there are snid to be about 400,000 perons within a radius of \(2 \frac{1}{2}\) miles round Fort 8. Geeorge

In Mairas roads, large ships moor in from 7 to ghithoms, with the tlagstaff off the fort bearing Fi.N.I", 2 miles from shore. From October to manary is genersily considered the most unsafe mese of the year, in consequence of the prevabex of storms and typhoons. On Octolver 15, peumber 15; during which period a ship coming wo the mads, or, indeed, anywhere within soundzon the const of Coromandel (reckoned from fut Palmyras to Ceylon), vitiates her insuvisurance oftices in Indians of the policies of insurance otices in India. The cargo boats Nlor crosing the surf, called Massula boats, rad eqeather, with straw in thery thin planks farking.
The bats belonging to ships in the roads somewapred to the bnck of the surf, and wait for funatry boats from the beach to come to them. the there a flag is displayed at the beach ust with tands near the landing place, as a
The sisumen use a species of flonting machine ofernimple construction, named a catamaran.
 rodinisered between them to serve as a stem* Ther hadd generally 2 men, who paddle efers through the surf, to carry letters, or vinats in small quantities, to ships, when mide f matting, where they secure the letters, dileno damage. Medals are given to such cretan men as distinguish themselves by mondiate control of the They are all nonder menction of \(s\) solid the Government. frhitis hoped, obviate the doron serew pile 4 yadras. It is ite the dangers of landnith 4 lines of raiswny, turntables, 60 fixed morblie cranes. Its total cost was about rid and talls are leried on goods and passen-
ond Comnnaziation,-The rivers of this warybeiag little or not navigable, commust of the last there were, in 1866, and Wolut raffic. Madras communicates with ith Bimhay; and Ceylon by telcgraph. bifte-A A poverful 'flashing light', has didted on the new lighthouse innmediately turlerel of the seg light is clevated 128 feet wathert from the sea, and may be seen in in to \(2 t\) miles. The new of a a distance此, and is distant about 13 miles wouth-castern extremity of the Pulicat wat no ship or vessel when standing in wathrad for Madras roads should bring the bear to the S. of \(28^{\circ} \mathrm{W}\)., or S.S.W. \(\frac{8}{2}\) waser ber position be well ascertained. thethey ships should bear in nind the athey nua by incoutiously approaching artaisul; and as heavy weather or other arisure the light, it is imperatively


The 'garce' is 400 mareals or 180.2 cubic feet. or \(5 \cdot 152\) tons of water. According to the old 93予 cubic inches and the puddee or 'measure' was

A rupee to be called the Government rupec. \(A\) half rupce.
An quarter rupee or four anna piece.
An eighth of a rapee or two anna piece.
Copper Coin.
A double pice or half aman.
A pice or quarter anna.
A half pice or one-eighth of an anna.
of an anna.
Revised Weights and Measures.-The weights and measures recognised by Government are as follow:-

The standard Madras puddee or 'measure' is generally a eylinder, 4 inches in diameter and 8 melies deep, containing 100 cubic inches, as in the \(80^{\circ}\) abe table. Now 100 enbic inches of zater at \(80^{\circ}\) weigh 3.6 lbs . avoirdupois, or 140 tolas ex-
actly.
urater at
measure


The scer is often spoken of as a incasure, whereas it is properly a weight ot 80 rupees (though in some places it is 84 rupecs).
Where the scer is spoken of as a measure, it is and it calculate 2 Madras mensurcs to 3 secrs, lation measupens that two of the Maclras regu, 3 I
weight equal to 3 seers of 80 rupees， 1 lb ．avoir－ dupois \(=38.889\) tolas．

Salt．－Salt contiunes to be sold in tho Madras I＇residency by the garce and marcal，But the accounts aro kept in Indim mands ：－


At 120 rupees a garce，one measure of salt， costs \(7 \frac{2}{10}\) pice，and a marcal as．4，p． \(9 \cdot 6\) ．
Acconnt of the Principal Articles of Merchandisc， and of Trcasure，Hxported from the Presidency of Micelras，by Sea，in each of the Years， ended April 30，186t－5．
\begin{tabular}{|c|c|c|}
\hline \multirow{2}{*}{Articles} & \multicolumn{2}{|c|}{Exports} \\
\hline & 1861 & 186．） \\
\hline Colfre & \[
\underset{323,400}{\boldsymbol{E}}
\] & \[
\underset{f 69,6,36}{ }
\] \\
\hline Cotton，rıw & 1，3：1，141 & 3，362，706 \\
\hline Cotton gooda，including twist and yarn & 127，189 & 96，819 \\
\hline brugs \({ }^{\text {b }}\)－ & 0，518 & 11，13， \\
\hline Jyrs－ \(\mathbf{l}_{\text {Indigo }}^{\text {Ofther }}\) kinds & 403,336
3,692 &  \\
\hline dlice－ & 156,213 & 472，301 \\
\hline Grain－Whrat & 6．5323 & 9，721 \\
\hline liums（0ther kinas & 85，32： & 110，278 \\
\hline  & 82 & 599 \\
\hline lichis and aktins－＇＊ & 167，864 & 136，564 \\
\hline fvory and loury waro & 356 & 314 \\
\hline Tewellery and pree ous stoncs & 5，9511 & 3，071 \\
\hline Lac and lasquered ware & & \\
\hline Sulatpetre ： & 331，6，28 & 126，191 \\
\hline Nieds－ & 201，281 & 252，131 \\
\hline Shawl，Cashmore & 81 & 582 \\
\hline Sulk，raw－ & \(\because 1.291\) & \(\because\) \\
\hline Spices \({ }^{\text {mods }}\) & 49，393 & 14，616 \\
\hline Sugar ond sugar candy & 416,031 & 225，976 \\
\hline Jea－ & & 33 \\
\hline Timber ent woodi－ & 27.110 & 25.219 \\
\hline Tobacto－ & 13，45 & 2．3，373 \\
\hline Woo＇，raw & & ． \\
\hline Total of principal and other
articirs & 7，273，103 & 6，815，91： \\
\hline Treasure－－ & 94，567 & 101，215 \\
\hline Total merchandse ond trea－
sur： & 7，367，662 & 6，920，187 \\
\hline
\end{tabular}

Account of the Value of the Principal Articl of Merchandise amd Treasure Imported ista th ＇residency of Mudras，by Sea，in each of it
Years endel＇April \(30,186,1-65\) ．

＊Except railway materiala separately ppecifed，
ling Steamers）Entered at Ports Presidency of Madras，in cach Year ended April 30， 1865 and 1806.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multirow{3}{*}{Nationally of Vessels} & \multicolumn{4}{|c|}{Fintered} & \multicolumn{3}{|r|}{clearid} \\
\hline & \multicolumn{2}{|r|}{1865} & \multicolumn{2}{|r|}{1866} & \multicolumn{2}{|r|}{1563} & \\
\hline & Vessels & Tons & Vensels & Tons & Vexsels & Tons & Vesels \\
\hline \({ }_{\substack{\text { Britich } \\ \text { Americañ }}}\) & 2，001 & 617，676 & 2，123 & 697,665
4,791 & \(\underset{4}{2,193}\) & \({ }^{731,992}\) & 2，219 \\
\hline Arabian & 10 & 4，588 & \({ }^{6}\) & 3，113 & 12 & 5，887 & － \\
\hline Auririan． & 1 & 415 & － & － & 1 & 730 & \\
\hline ldankh： & ， & 335 & 1 & 391 & 2 & 928 & －1 \\
\hline Fioteh ： & \(\overline{117}\) & 59，776 & \(13{ }^{\frac{1}{3}}\) & 71，121 & 171 & 82，196 & 138 \\
\hline tierman & 112 & 4，733 & 6 & 2，911 & 4 & 2，019 & 5 \\
\hline － & － 1 & 670 & － & － & － & － & 1 \\
\hline Prussian－ & & & & － & & － & \(\sim_{1}^{1}\) \\
\hline Mussian： & －二 & 二 & －1 & 485 & 二 & 二 & － \\
\hline swedish & 12 & 327 & & & & 655 & \\
\hline Native erat & 2， 117
6,460 & \begin{tabular}{l}
6901420 \\
\hline 888,837
\end{tabular} & （ & \(\xrightarrow{7810,7 \times 7}\) & （2，388 & （26．766 & \({ }_{\substack{2,109 \\ 6,198}}\) \\
\hline Toial & 8，607 & 979，257 & \％，26\％ & 1，0．48， 7 ， 1 & －9，192 & 1，131，261 & 8,302 \\
\hline \multicolumn{4}{|l|}{\multirow[t]{3}{*}{Statement of the Total Value of Imports，including Treasurc，at the several Ports of the Presidency of Madras，in each of the years ended April 30， 1863，18G4， 1865.}} & \multicolumn{4}{|l|}{\multirow[t]{2}{*}{Summary of the external Commerce of II Sea，in 1864 and \(1866^{\circ}\).}} \\
\hline & & & & & & & \\
\hline & & & & \multicolumn{2}{|l|}{For the Year 1864} & Merchandise！ & Treasur \\
\hline & 1863 & 1861 & 1865 & \multicolumn{2}{|l|}{\multirow[b]{3}{*}{}} & \multirow[t]{2}{*}{\[
\begin{gathered}
2,13,1,41 \\
7,273,105
\end{gathered}
\]} & \multirow[t]{2}{*}{\[
1,901,815
\]} \\
\hline \multirow[b]{3}{*}{Arco，，\％outh} & & & \multirow[b]{3}{*}{} & & & & \\
\hline & \multirow[t]{2}{*}{} & \multirow[t]{2}{*}{18，043} & & & & 9，406， 286 & 2，016，10 \\
\hline & & & & \multicolumn{2}{|l|}{} & & \\
\hline Madras ： & 2，620．402 & 3，038，066 &  & \multicolumn{2}{|l|}{\(\underset{\substack{\text { Smporta } \\ \text { Experse }}}{\text { For the srar }: ~}:\)} & \[
\begin{aligned}
& 2,950,156 \\
& 6,311,912
\end{aligned}
\] & \multirow[t]{2}{*}{\[
\frac{1012,1}{2106,11}
\]} \\
\hline （innjam & & 2， 2,937 & 4，690 & \multicolumn{2}{|l|}{\(\underset{\text { Total }}{\text { Expo }}\)} &  & \\
\hline Kırna & & \({ }^{477}\) & \({ }^{\circ} 711\) & \multicolumn{4}{|l|}{\multirow[b]{5}{*}{\begin{tabular}{l}
In 1866 the value of our impontwal was \(5,653,854 l\) ，and our exports therall \\
 of agency and commission，
\end{tabular}}} \\
\hline Mayura & 28，066
\(6 \times 1,392\) &  & 29，661 & & & & \\
\hline Tanjore \({ }^{\text {Preme }}\) ： & 230，\({ }_{\text {2 }}\) & 301， 380 & （334，193 & & & & \\
\hline  & 440，337 & 546,879
1,177 & － \(\begin{array}{r}\text { S93，343 } \\ 3,732 \\ \hline\end{array}\) & & & & \\
\hline Totnl & 3， \(4.18,6,610\) & 4，0155，024 & 4，2 2，689 & & & & \\
\hline
\end{tabular} , \(1861-65\).

 1864 and 1860.

Aomnt of the Trade of Madras with Foreign Cunntries in 1865, specifyng the Values of the
Muports and Sirports.
Inports and Lixports.

tina Jane 1 f8:15
L. On the tutal sum of a debit or credit

Mat st tee option of the nerent
ans on which a commission of 5 per centing
artadle, 1 et cent.
2. On ficting remittances, or purchasing,
ling nesptating bills of exchange, 1 per cent.
3. Chsidutiptuns to Government-louns, pur-
m, mansfring, or exchanging mblic
antrand bank shares, \(\frac{1}{4}\) per cent
Godinarenint up public securities, or lodging
minany of the public oflices, \(\frac{1}{2}\) per cent.
On reving and delivering private com
of wines, cattle, and merchandise, \(2 \frac{1}{2}\) per
Ohollecting rents, \(2 \frac{1}{2}\) per cent.
On parchase of lottery tickets, nud amount
rizs, 1 per cent.
On the sale of lottery tickets from other lemats, \(2 \frac{1}{2}\) per cent.
Gletitess of credit
hiuers of credit granted against pay and On executorship monthly, \(2 \frac{2}{2}\) per cent.
On executorship oradministrition to estate
aditer pelselis, 5 per cent.
On the management of estates for executors
minitrators, \(2 \frac{1}{2}\) per cent
Man becoming sceurity for administrators, \(2 \frac{1}{2}\)
Onde
neessary, 21 a process of lnw or arbitra-
rath per cent
Obbills of exchanch means, 5 per cent.
wat.
Not
Onoredue debts collected, 2.3 per cent
On becoming security for individual.
Onmeat ot others, \(2 \frac{1}{2}\) per cent.
with the following excentions goods, 5 per
Whesses, landong exceptions:-
h hesises, lands, and ships, \(2 \frac{1}{2}\) per cent.
crat,
atreasare and bullion, 1 per eent.
thipped, or and merelaandise withelrawn, mision, or delivered to order, half commission,
all other descriptioas of property for sale, the ornaers, half commisse disposed of by
coods trangferred tomission.
roods transferred to anetion or commission
18. On investing proceeds of sales in goods, 23
19. Oin
traets fir grarantecing sales, bills, bonds, concent. goods, or other engarements, \(2 \frac{1}{2}\) per
20. On ships' dishirsements, \(2 \frac{1}{2}\) per cent.
21. On chirterinir ships or engaging tomnage
ot other parties, 2 on per cent. 22. On ndver, 22 per cent.
commanders ot shing for the angents of owners or
the amount of freight or
charter or otherwise, whether passage money, by
through the agents' whether the snine shall pass
23. On effecting insurance, or per cent.
for insurance, whether on lives or writing orders
on lives or property, \(\frac{1}{2}\) per
24. Ont settling losses, partial or general, ant

25 . On promium, 2 per cent
ever payable, 2 per cent. 26. On riving cent
where a commission is for the provision of goods shipment, \(2 \frac{1}{2}\) per cent not clargeable on snte or
27. On aten cent

2 per cent.
28. On receiving freight of goods, and passage
money of troops by ships entered inwards, \(2 \downarrow\) per
cent.
Rates of Godown Rent per Month.

allowed to remain a week free of com-house to be 2.-After that period free of cliarge.
rates for seven days. 3.-After that, treble rates.
be rechoned as one dayg and that of removal to are not reckoned in day; Sundays and holidays delay is caused by the inability of the . When House offieers to examine andy of the Custom such delay is not to be reckoned pass the goods, Uuclaimed Goods,-Geckoned.
two months from the date of not cleared within two months from the date of landing will be sold

MAGNESIA
by public anction, after due notice ln the oflleial Gazette. I'lo proceedis will be applied to the payment of duty ant other charges, and the surphas (if any) pinit to the owner on application within one year from the date of sale.

It would nppear from the Mudrus Almanat for 1868 , that there are, beslides the Goveriment hank or Bank of Maitras, the Govermment savings bank, and various private bankers, three joint stock lonks with a paid-up capltal of \(\mathbf{2 , 6 5 0 , 0 0 0 1}\).

Insurance.-'Tho only locen assurance society appenrs to bo the Madras Equitable, established in 1842, but there were in \(1868-12\) agencies for Jinglish and other establishments.

Tuble of Purt Charges at Mudras, ABchorage Ducs.
8. Romadn. N. Rnada.

He. 4. P .


The foregoing statements sufficiently exlibit the commercial importnnce Madras. The limited extent of its trade, as a apared with that of Calcutta and Bombay, is partly ascribable to the bndness of its port or roadsteml, the want of any novigable river or other ensy means of communication with the interior, and the backwarl state of the provinees of which it is the capital, in comsequenco of the heavy and thuctuating land tax to which they nre subject. In 1866, \(59,931,904\) letters and newspmpers (ex books and pareels) passed the post-oflice of British India. (IIamilton's Last Indian Gazettecr ; Geographical Dictionary urt. 'Madras;' Mudras Almanac; Official Returns of the Trade of Metrus; \&c.)

MAGNESLA (Fr. magnésie; Ger. gebrnunte magnesia; Ital, magnesia). One of the primitive earths, having n metaliic basis. It is not found native in a state of purity, but is easily prepared. It is inolorous and insipid, in the form of \(a\) very lipht, white, soft powder, hnving a specilic gravity of \(2 \cdot 3\). It turns to grech the more delicate vegetable blues, is infusible, and requires for its solution 2,000 parts of water at \(60^{\circ}\).

MAllOGANY. The wool of a tree (Swietenia Muhogani) growing in the West Indies and Central Amerien. There are two other epecies of Swietenia found in the East Indies, but they are not much known in this country.

Mahogany is one of the most majestic and beautiful of trees: its trunk is often 10 feet in length, and 6 feet in diameter; and it divides into so many massy arms, and throws the slade of its shining green leaves over so vast an extent of surface, that few more magnificent objeets are to be met with in tho vegetable world. It is abundant in Cuba and Hayti, and it used to be plentiful in Jamaica; but in the latter island most of the larger trees, at least in accessible situations, have been cut down. The principal importations into Grent Britain are minde from Ilonduras and Campeachy. That which is imported from the islands

\section*{MAIIOGAYY}
is called Spanish mahocrany; it is mot so lar that from Ilonduras, being geuerally in luag 20 to 26 inches square and 10 feet long, while atter is usually from 2 to i feet square, and 14 feet lons, but some loge are much la Mahogany ls a very beautiful and valuable tar of woul: its colour ls a red brown, of diff shales, and varions degrees of brightnest: times yellowish brown: often very much and nottled, with darker shales of the colour. The texture is uniform, natl the rings not very distinet. It hots no larger se but the smaller septa are often very visible pores between them, which in the linulura are genernly empty, but in the spanish wown mostly tilled with a whitish sabutance. nejther taxte nor smell, slirinks very litth warps or twists less than any other speeci timber. It is very flurable when tope do does not last long when exposed to the wis It is not attacked by worms. Like the pine the timber is best oll dry rocliy soils, or in er situntions. That which is moot aceesi Honduras grows upon moist low lad, a generally speaking, decidedly infenior to brought from Cuba nad IInyti; being soft, and spongy; while the other is close graia anrl, of a darker calour, mid sometimes o figured. lIoucturas mahogany has, the advantage of holding glue anmirabl and is, for this reason, frequently usel ground on which to lay vencers of the finet the best qualities of mahugany bring high price.
The cuttings in IIondurns aro establi most of the large streams flowing thre lepartments of Sauta Iarbata and Yoro. mouth of these streams the logs are thay shipped to 'England in ves elels of from 4mo tons. The trees are generally the propens state, and the cutters stipulate to pay fro 10 dotlars for every tree they fell. The sia cutting is from August till wiater sets in.
Not long since, Messrs, ldroadwood, tinguished pianotiorte manufactures, minense sum of 3,0001 . for threa logs gany! These logs, the produce of \(a\) a were each nbout 15 feet long, and 3 square: they were eut into venecrs of moh. The wood was particularly benuitul of receiving the highest polish; and wheo reflecting the light in the most ranied like the surtace of a crystal; and from form of the pores, oilliring a different whatever direction it was viewed, mahogany penernily introdace an abg buying a lug; but, notwithstanding: seldom able to deeide with much prede the quality of the woord, so that there deal of lottery in the trade. The lomg Messis. 13roadwood gave so high a brought to thi: country with a fill kno their superior worth. Nahngnuy was pairing some of Sir Walter Raleigh's l'rinidal, in 1597 ; bot it was not jatos nse in England till 1724
'The duty on forciga mahogany usede a ton, on İIondurns 1l. 10s., and on 14 hogany, 4l. ; its effect being to fore tby tion of the inferior in preference to the ticle Luekily, however the dutr ia colonial maluigany, after being redued 20s. nud 5s. per tun, was wholly repera but in 1860 a duty of 1 s . per load is mahogany and other furniture row again was abolished, nod the imperth free, in \(1866^{\circ}\). There has been, intorion

\section*{}

\section*{OG.NiY}
"any ; it is not so larme eing generally in loge th and 10) feet long, whilat : to \(+\frac{\text { fect square, ant } 12}{}\) no lores are inuch lare autiful and valuable smat a real brown, of difiere grees of bighlitness; i: often very much irker mlades of the is uniform, and the on

It lias no dareer are uften very visible, lich in the llonduras ont in the Spanish wool whitish substance. It :ll, whinks very little, than any other specie uratile when 'apt dey, en exposed to the weal vorms. Like the pine t ry rocky soils, of in exp lich is most aceesibl n moist low land, and locidedly inferior to d Hayti; being suft, e other is close grained ur, aud sometimes mahorany has, \(h\) ding glae animirably son, frequently usi \(y\) vencers of tive tine if maliogany briay
ondurns are establis reams flowing thrime Barbara and Yoro. is the logs are thonte 1 vesuels of from 40 enerally the propents stipulate to pay fto pe they fell. The ses till winter scts in essrs. Broadwood, mannfactures, \(\mathrm{g}^{3}\) 101. for thres loga of he produce of a ain feet long, and 38 at into veneers of articalarly beautiful, st jolish; and when? in the most varied erystal; and from ffering a different \(t\) was viewed, D introduce an aug notwithstanding, e with much precis ood, so that there trade. The logs gave so high a p ry with a full kno Mahogany was u Walter Raleigh's ut it was not iotrod 724. innhogany used to 11. 10s., and oa J being to force the preferenceto the ver, the duty \((a)\) fter being redued was wholly repeale 1s. per load nes furniture mods and the imporatio as been, in consenu

\section*{MAIZE}
kiatian and repeal, a very great increase in the
mavmption of the suprior sort of inaliog adobitery purposes, while the cheaper gany for po mu largely employed (notwithstandurietles Exulies thrown in the way by Lloyding the anus, in the construction of ships aun? aned cubries. In 18.10 the impurts alli in W. 215 , and in 1867 to 52,737 tons. Ifonduras Hexio, ad Cuba are the great sources of aus, prithetimberbrought from Contral Americo sup)whepest, (1'nedgold's Prinujples of Carpentry A.t: Library of E'ntertaining Nnowledge wame on Timber Trees and Fruitn: Edwards's Whit ladies, vol. iv. p. 20 s , ed. 1819 \&c.; and 4 Vhovany Tree, by Messrs. Chaloner and Fiving passim; \&.c.)
Hizh of LNDLAN CORN (Fr, bled de Tur4: Ger. Turkisch korn, mays; Ital, grano Equia. One of the cereal grasses (Zea trigo de ryend to be indigenous to grasses (Zea Mays) when the only species of corn eultivated Amecica, AHord previansly to its discovery. It the madediato the Contineut about the beginuina ditu Eorland a little after the middle, of the treatis century. Its culture has spread with maning rapidity; being now extensively mon in most siatic comutries, and in all the stem pats of Europe. It has the widest yguphal range of all the ceralia, growing theren of north, and the and as far as the
 de. thesbeen caised in England, in nursery dews the metropolis, for more than a atury wiveently it has been attempted to peitintry fedds, but with indifferent success. in it hsan immense been Jong in cultiant conists of about number of varieties. wat cosists of about 600 grains, set close misin mits, to the nuinber of 8,10 , or 12 grine ate usually yellow; but they are I wnetimes striped and vor olive-coloured, welliminia is triped and variegated. The odind; that of New and robust, growing 7 or agd, that of New Englnuad is whorter and w ith smaller sort farther up the country gjinted like the sugar cane , use. The surelient fodder ; and the cane. Tho straw diluent by sodder; and the grain, as a bread anded by some; but though jt a bounds in Patr to be much use no gluten, and is wrinater ar used by those who can rimedia of Agriculture bread. (Loudon'e (maize dutics \&cure; \&c.) For the imTimper,] dutics \&c., see Coun Laws and Tiluben]
CulCCL [SLMoApone.]
sim in Granada, lat. 360 ort in the south TIT: Pupulation in \(180^{\circ} 43 \mathrm{j}\), N., long. Five,- Pupulation in \(1860,113,050\).,
mated on its eassern excellent liarbour. Mrards in leagth. The by a fine mole, iil 109 yards from the enst lighthouso of \(3^{\prime}\) ' \(\mathrm{y}^{\prime}\), long. \(4^{\circ} 25^{\prime} 38^{\prime \prime} \mathrm{W}\). werery three minutes, is visibl gives a adis los feet above high water 4 for 15 the east side of the entrance. A second the ea, is only 41 fect abovance, 48 yards A shoal has grown ub round high water ad the depth of water round the mole is said to be diminishing thout the ddredging machine has be Latterly, it, by clearing out the been employed sond The depth of mud nnd accuo the hariour and within ther, at the
lo 30 feet ; and close to the the mole, is - The dr

\section*{Malag.}
to 10 fret. The harbour could ensily 853 entered wore than 450 merchant easily accounmotered with all winds, and ant ships; it mave be Trade fee.-Owing, to aftiords perfect sheittur returns, and the provalence of want of ofllcini not possible to obrainalence of want of ofllcial the trado of \(\mathrm{I}_{\text {alain }}\) any accurato accomita is port. Th of Malaga, or, indeed, of accomita nf port. The great articles of eed, of any Spanish Cruts, particularly raising expert are wine and fifs, and lemona; there ins nud almonds, grapes portation of olive oil, when no a considerable ex, anchovies, cummin seed with quantities of brandy, labrado [Esi-Antoj, soan aniseed, barilla, esparto [argely exported from Malagn ig the lead which is [lexad.] Tho imports consist brought frum Ada. conton stuffs, iron and consist prineipally of stuffs, and all from England; with saltachinery, raw eotton all sorts of colonial producoile, dye raw cotton from the linitedial produce; linens cheese from Molland; timed States; butter and from the Ialtic Ne, timber and naval stores cusiderable quantities of The Americans inport In 1863 the total of Malaga wino. entered the port of Malara we of vessels which those that cleared 141,759, whil 160,460 , and of \(1,576,2331\) was \(1,171,1351\), whd the value of 1,576,2331. The trade appears and of the exports any ; tho exports were greater than on tho ineighth ine Spanish port, breater it than those from of Hhth in the vaine of its import ranked as the of Halaga wiue exported imports. The quantity about 1,400,000 exported was 6,527,202 quantity, this wine aro Cubons, Tho best markets, or small quantity Cuba, Veuczuela, and France for is a railway bity only coming to Eingland rance, a connectsay between Cordova and Mala. There of Europeran with Madrid and the Malaga, which of European railways. Tho followiways.
Inglis's valuable details, abstracted from Mr of the trade of Malaga, which, coutain accounts Wine.-The wines, which are still of interest. sweet and dry; and of the forme are of two sorts. are tour kinds; first, the former of these sorts, known and exported under common "Malaga," there is a certain proportion that name. In this is allowed to burn, and which boiled wine, which slightly burnt taste to the "Dhich communicates a From which this wine the "Madeaga." The grape und every pipe of "Malaga" is a white grape than eleven gallous of braudga" contains no less tain." This wine is brandy. Secondly, "Mo less as the ohs wine is made from the si, "Mounmatter and brand, like it, contning same grape for "Mountain," the the only difference is thet riper. Thirdly, "Lagre is allowed to become finest of thiedly, "Lagrimas," the to become which of the sweet winges of Malage the richest and which almost explains the Jalaga; the name of made. It is the droppings of ther in which it is up, and is obtained without the ripe grape hung pressure. same graje as the Malaga is produced from the greener; in this wine there is ant pressed when of brandy than in the sweet an eighth part more -12th part of the dry Malact wine; no less than 'Tho whole produce of the being brandy. which about at from 35,000 to 40,000 vineyards which about 27,000 pipes mny be 40,000 pipes; of principal market is the United be exported. The America; and to the United States and South increase. The to these the export is upon the from Malaga average price of the wines shippo from Malaga does not exceed 35 dollars per piped
but wines are occaionall of 170 dollars. Many occasionally exported at the price; at Malaga to produce shatempts have been made success. The sherry sherry, but not with perfe Maliga upon a soil yrape has becn reared at Maliga upon a soil very similar to that reared at
lut the merelants of Malaga have not ventured to enter the wine for export. One reason of the very low priee of the wines of Malaga is to be thund in the cheapness of labour: Hefl labour is only 2f reals a day ( 1 dad. . In the fruit and vintage time it is about double.
- Fruit,-Next to lts whese, the prineipal export of Malaga is fruit, viz, rnisins (the chief), almonds, grapes, ings, and lemons.
'The ralsins exported from Malapa are of three kinds, muscatel, blowm or sun raisin, and lexitrse. The muscatel is the flinest raisin in the world. In its preparation no art is used; the grape is merely placed in the sim, and frequently turned. The bloom or sun ralsin is a diflerent grape from the museatel; lint its premaration is the same. The lexias aequire this nane from the liquor or ley th which they are dipped, and which is composed of water, aslex, and oil; these, after beher lipped, are also dried in the sun. All muscatel rusins are exported in boxes, mad also a part of the bloom raisin.
- Oil.-There is nlso a large export of oil from Maluga.' (V'o. ii. np. 190-196i.)
See also Mr. Consin Marks' Riport of August 10, 1805, on Fsparto or Spmish grass, and the sudden and extensive demand fur it. [Esidarro.]
Tho trale of Malaga, liko that of most other Spanish ports, has been materially jucreased of late years. Lines of steamers havo been established that ply along the southern and enstern consts of the peniusula, and a powerful stimulus has been given to all sorts of industrial pursuits. The intluence of the latter is, no doubt, most powerfully felt at Alicante, Vatencia, and those towns that have improved communications with the interior, tut it is, nlso, sufficiently obvious here and in others of the less farourably situated seaports.
Money,-Acrounts are kept in reals of 3 .h maravedis vellon. (For the coins, nud their value, used at Malaga, see Cabiz.)

Weights and Mcasires.-The weights are the same as those of Cadiz. The arroba or cantara \(=4 \cdot 19\) English wine gallons ; the regular pipe of Malnga wine contains 35 arrobas, but is reckoned only at 34; a bota of Pealro Ximenes wine \(=533\) arrobas; a bota of oil is \(\mathbf{4 3}\), and a pipe 35 arrobas; the latter weighs about 860 lbs , avoirdupois : a earga of raisins in 2 baskets or 7 arrobns; a cask contains as much, though only called 4 arrobas : as a last for freight are reckoned-4 hotas or 5 pipes of wine or oil; 4 bales of orange peel; 5 pipes of 1'edro Ximenes wine or oil; 10 casks of alluonds (cael about 380 lbs . English) ; 20 chests of lemons and oranges; 22 casks of nimomds (of 8 arrobas enth); theasks of raisins (of 4 arrobas ench) ; xx halt casks of raisins; 50 baskets or 160 jars of raisins.
Port Churges.-The port and harbour dues amount, on an English vessel of 300 tons, to about 211 ; on a Spanish vessel, of the same burden, they would be abont 111. 10s.
Wurehossimg.-Goods may be warchoused for 12 months, paiving 2 per cent, ad yalorem in lien of all charges; but, at the end of the year, they must be either entered for consumption or reshipped. The 2 per cent. is charged, whether they lie a day or the whole year.
There is an excellent aceount of Malagn in Townsend's Travels in Spain, vol. iii. pp. 10-42.
MALMSEY. [Wint:.]
MALT (Ger. maly; Duteh, mout; Fr, mal, bédgermé; Ital. multo; Span. cebada retonada ó entallecida; Russ, solod; Lat. maltum). The term malt is applied to designate grain which, being steeped in water, is made to germinate to a
which the privess is cheot of heat. Thla evolves of the graln, which is he procecess followed in simple. Few changon Int it is carried on at n the same manner tha ur ancestors centurie: 'Y necies of grain, la in curope, and especialis epared ainust wholly 1 rinelpal ingredient in and is little usel exc illation of splits. Hinption of', Muit, c Duty aull the \(0 p\) e o malt liquor having beverage of the pers turo of malt has been lengtliened prerion, on a however, of increasin: a and population of the stationary for the bu 1816. In proof of thi e quautity of malt that d Wales, at ma aren witlı 1720 , was 21,19 sas the annual a retsge luring the 1 s years \(23,197,75+\) brshels! a result is probably in ted for by the inerease 1 cotfee, which are a but there cannot be a ly owing to the exu lt, nut the alo or beer. *o been loaded, and imposed on the manuf ti beer. The effect o was to impose a tax 0 seer made from a bo ushel, was equiraleal from 140 to 185 pe lie dinty was not, ho le feature, It was half being assesseld \(r\) on beer: but the ber ewed by public ben flect that which was as rich families bre use of, the consmo tant the beer date fol lidule classes, ibo other words, the p - twice the duty 0 a was pnid by the no jon slould cret hs for any considerably le astonishing, O Cion was not sil gn nd being increased habit recoaciled th to the griss inequy tax. But the pub forcibly atracto ; of the exorbitang reasing the consu been clearir poin No. 98, sit, 4) 1830. This meas ound policy rith ration of the Dh also entitled os placed the licents d established in eer.

\section*{MaLiT}
mnat of the Quantitiea of Malt charged with


atieal of tho ctuty has m
cuappliun of malt; auld the \(y\) increaved
* wion coultended that its nbonlition it it ions
anid a free trale in beer, would bo, it com-
thte tererate in beer, woull bo no cren- multitude of hecessarily gives employsing from Qt The clanoure inat fair way of being 161.) The way to eradicate (Wealth of Nutions, "p

 Widthout formatation. If we firmly believe, jowice cunts, All that the fiscal grs grovelliug en *is it eerainly did, of the consumpure in- lavee entactucuts intented to regulations ant apenability is that it equally diminion of and disgust, to is to mako bad worse to sobriety cenampion of fint thend it is surcly super- enamoured of that whee the lower chase, to irritate medhat that is a most beneticial chaper-- withheld from thim whiel they conceive is uniust methat a muaber of new public-houses we. elude and defent the, and to stimulate thenstly Mis the sale of beer ; but ii has notses were The duty eat tho law. prod that this circum in thas not hitherto ond no conmon aircumstanee, thoughis it ocWistrute in andarm anong the clergy introduced into Scotland in \(1 \bar{z} 13\); but it wis ind modtates in different parts of the comutry, tables exlibitit the liund till 1785. The followis nut sir opened limesic inconvenience. Like, and of the duties progress of the consumptin. sthlir was ares of business, the trade of remote period. Burctly falling on malt fiption tect beer shops have nad a considerable of malt being in beer, the dutincipall consumption ot suce' as . dsm Smath sinco been shat up. in fact, dinties on malt duties on the lntter were, tudipication of alchouscs slaty remarked, into account in forming and must alymays be talken eatid dipasition to drumkenness occasions formation as the influence of tho latter a correct

Account of the Quantities of Malt charged with Duty in Scothand, of the Ihevenne receired there and of the Rates of Duty, in each Year, from 1800.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline Year & Number of Hushels of Malt & Amnunt of Duty & \multicolumn{2}{|l|}{Rate of Duty per Bushel} & Year & Number of Bushels of Ma't & Amount of Duty & \multicolumn{2}{|l|}{Rate of Duty per Ifokel} \\
\hline 18100 & 876.308 &  & \multicolumn{2}{|r|}{\multirow[t]{4}{*}{\[
\begin{gathered}
\text { syd. } \\
\text { 1. } \check{s} \underset{d}{ } d .
\end{gathered}
\]}} & 143.3 & 4,0,02,036 & \({ }_{3}{ }^{2} \mathbf{2} 0,3,388\) & \multicolumn{2}{|l|}{\multirow[t]{2}{*}{}} \\
\hline \(1 \mathrm{ll13}\) & , 61170348 & 2110510 & & & 14.31 & 4,991,2016 & 3,5,5,567 & & \\
\hline 1402 & &  & & & \({ }_{1}^{1 \times 3.3}\) & \(4,154,55.7\)
\(4,903,147\) & \(5.31,096\)
\(6,11,910\) & \(\because\) & ". \\
\hline 1403 & Stoktit hanci &  & & & \(\underset{1 \times 37}{1 \times 37}\) & 4,903,147 & 511,910
578,515 & \(\because\) & . \\
\hline & & & 1harley & lligg & 18.34 & 4,111,141 & 357,913 & & \\
\hline 1 sol & 1,091,377 & 197,457 & 3. 93, & 3. \(1{ }^{1 / 2} d\). & 1835 & 4,261, 36.3 & 352,107 & & \\
\hline 1805 & Stock in hand & 31,548
\(206,9.35\) & \(\because\) & \(\because\) & 1810 & 4,357,301 & 372,515 & \(\left\{\begin{array}{l}\text { \%, } \\ \text { \% }\end{array}\right.\) & \\
\hline \(1 \times 15\) & 1,214,104 & 22.3,61e & , & \(\cdots\) & & 1,307,301 & 372, \({ }^{\text {a }}\) & \(\left\{\begin{array}{l}\text { \% } \\ \text { pei rent. }\end{array}\right.\) &  \\
\hline 1807 & 1,259, 298 & 224, 2147 & .. & \(\because\) & & & & \(\mathrm{f}_{\text {de. ist. }}\) & \({ }^{3} \mathrm{Pat}\) ceit \\
\hline  & \(1,018,946\)
782,758 & 180, 13.18 & . & \(\because\) & 1811 & 4,0.:3,213 & 330,572 & & \\
\hline 1814
\(1 \times 10\) & 772,758 & \({ }_{1} 19,0,4168\) & . & :. & 1812 & 3,786,476 & 803,829 & (1ur cent. & per cent \\
\hline \(1 \times 11\) & 1,412,4,36 & 181,482 & .. & \(\because\) & \(1 \times 13\) & 3, \(31 \times, 607\) & 481,311, & \(\because\) & .4 \\
\hline 1812 & 931,432 & 164, 670 & - & . & 1841 & 3,888,4,54 & 516.04 & \(\because\) & " \\
\hline 1513 & 68.5 & 123,715 & . & & 184.5 & \(4{ }_{4} \mathbf{3} 3.3,0138\) & 577,198 & * & \\
\hline 1814, &  & \(2.31,076\)
236,839 & & & \({ }_{1817}^{1846}\) & 4,581,667
\(3,600,415\) & \(609,15.5\)
\(4 \times 5,51\) & & ." \\
\hline Lsts & 1,247,177 & 236,839 &  & 3a. Jdi. & 1817
\(1 \times 18\)
148 & \(3,650,415\)
\(4,1,164\)
1,37 & 48,5,5,1 & \(\because\) & .. \\
\hline \(1 \times 16\) & 1, 162,024 & 161,713 & fis to & \({ }^{\text {to }}\) & 1419 & 4,197, 4 , 4 & 5.58 .457 & \(\because\) & \\
\hline & & & 14. \({ }^{\text {chis }}\) & 1a. 8 s.f. & 18.50 & 4,6.39, 139 & 6114.647 & & \\
\hline 1819 & 1,7930,678 & 191,993 & . s ¢ & \(14 . \mathrm{Kld}\). & 18.51
\(1 \times 52\)
1 & 4,10221.5 & \(348,72.3\)
540 & \(\cdots\) & \\
\hline \(1 \times 19\) & 1,454,320 & 179, y6is & 18. \(8.3 d, \ddot{-3 d .73 d .}\) &  & 18.53 & 4,1653,*30 & 8.63,7\% & \(\because\) & . \\
\hline & Stock in hand & 17,739 & & & 1 NSO & 3,412,9\%19 & 571.8 .31 & ii. & B.4. \\
\hline 1520 & 1,152, 2148 & 212,282 & 3. 7dd. & 30, 7 \(71 .-3 s .16\) & 1835 & 4,370,713 & 466,122 & & 1.4. \\
\hline 1521 & 1,301., 6.69 & 231,606 & - &  & 1456 & 1,062,161 & 179,723 & fto in and & 2 a ands \\
\hline 1822 & 1,403,177 & 18.3,032 & 3d. 7 2h.-26. 71. &  & 18.5 & 1,122,301 & 161,909 & to per cent. & pet cent \\
\hline 1523 & 1,616,590 & 109,696 & 24. 7 d. & 28. & 18.54 & \(1,313,414\) & 151.049 & \(t\) & \(\because\) \\
\hline 1824 & \(2,7 \times 5,604\) & 3,35, 311.5 & & & 14.59 & 1,537,776 & 189,9x6 & & . \\
\hline 1525 & 3,912, 0.47 & 4 462, 14 & - & \(\because\) & 1460 & 1 , Gi00,505 & 244.231 & & , \\
\hline (1526 & 2,726,ins & 335,378 & \(\because\) & \(\because\) & 1881
1862 & \(1.51,6588\) & 222,143 & . & \\
\hline 1525 & 3, \(\times 67,159\) & \(43^{4 \times}\) & " & \(\bullet\) & 186.3 & \(1,720,281\) & 2\%7,123 & \(\because\) & \\
\hline \(1 \times 29\) & 3,712,313 & 457 , 48 & * & \(\cdots\) & 1861 & 1,935,366 & 24712,913 & \(\because\) & \({ }^{\prime}\) \\
\hline \({ }^{18317}\) & \(4.101,916\) & 501, 6.51 & . & .. & 1865 & 2,092,699 & 274,401 & \(\because\) & \\
\hline 14.31
16.32 & 4,186,955 & 515,979
\(4.30,1016\) & ". & \(\because\) & 1866
1867 & \(\underset{4}{2,499,52,017}\) & 322,689
31568 & & ". \\
\hline
\end{tabular}

Account of the Quantities of Malt chargol with Dury in Ircland, of the Revenue rcceived thereon, of the Rates of Duty in each Year, from 1800.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline Year & Number of Hundels of Alate & Amnunt of Duty & Hote of Dut & er Dushel & Year & Number of Ihiviels of Malt & Amount of Duty & \multicolumn{2}{|l|}{Rate of Duty par mutad} \\
\hline 1800 & 681,340 & 54.190) & & & 1834 & 2,006,3,30 & 250, 218 & From Barley & \\
\hline 14.11 & 1,031,175; & 78,760 & & & 18.33 & 1,941,849 & 845,487 & & \\
\hline 18122 & 3,611,579 & 276, 115 & & & 18.34 &  & 27\%,291 & .. & \\
\hline 1803 & 3,'33,762 & 203, 351 & 14.6) 6 & 14. 9td. & 183.5 & 2,353,4,45 & \(2 \times 8.80\) & \(\cdots\) & \\
\hline 1501 & Stack in hand & 31,162
\(270,10,6\) & 1s. 91 & d. 9.4. & \(\underset{\substack{18.36 \\ 1 \times .37}}{1818}\) & \(2,287,6.15\)
\(4,275,317\) & Y \% 3,3,35
צN6,470 & . & \\
\hline & Stock in hand & 2\$5694 & & & 18.38 & 2,264,411 & 284, 5194 & & \\
\hline 1306 &  & 3172939 & & & \(1 \times 39\) & 1,744,550 & 218.503 & & \\
\hline 1806 & 2, \(814,42 \mathrm{x}\) Stock in hand & \[
\underset{\substack{3,1,2\} 0}}{331,105}
\] & 28.31 & 20.0.8d. & 18.40 & & & \(\int 26.71 .-22.74\) & \\
\hline 1507 &  & 302240 & & & 18.9 & 1,406,116 & 178,703 & \(\left\{\begin{array}{l}\text { and }{ }^{\text {and }} \text { jeer } \\ \text { cent. }\end{array}\right.\) & \\
\hline 1808 & 2, 29.74 .78 & 331,010
376091 & & & 1811 & & & & 2. 1 ad \\
\hline 1801 & 2.8088 .617 & 376,991 & & & 1814 & 1,149,002 & 151,210 & [ 3 per cent. & 2.2us \\
\hline 1810 & \(2,524,513\)
\(4,6 \mathrm{~S} 1812\) & 321,485
311,723 & & & 1814 & 1,264,656 & 165,009 & . & \\
\hline 1212 & 2, 416, 2107 & 281,117 & & & 1x. & 1,411,177 & 191, 1948 & \(\because\) & \\
\hline 18.3 & 2, 1167 , 6113 & 4.24, 8.31 & 2s. 69 & -3. \({ }^{\text {a }}\) d. & 18.5 & 1,64s,1iz & 242, 761 & \(\because\) & \\
\hline & Stock in hand & 63, 4116 & & & 1816 & 1,7×x, ifi & 2.53,1137 & " & \\
\hline 1811 & 3, 5 5i, 17.3 & 5242,513 & & & 1817 & 1,347, 11.5 & 181,997 & . & \\
\hline 1515 & 2,6664, 666 & 482, ins.5 & 34. 31 & 4. 5d. & 1818 & 1,630, \({ }^{1} 1019\) & 24.2, 214 & & \\
\hline & Stock in hand & 122,23.3 & & & 1814
184
181 & 1,546,403 & 210,180 & . & \\
\hline 1816 & 1,479,721 & 359,409
164.751
1 & 48. 5 d & / 18. & 1835
1551 & 1,682,102 & 248, 2148 & \(\because\) & \\
\hline 1818 & 1,783,6.56 & \% 11,930 & & & 1854 & 1,657,073 & 221,303 & \(\because\) & \\
\hline \(1 \times 19\) & 1,742,444 & 207,036 & & & 185.3 & 1,630,173 & 217,659 & & \\
\hline 1520 & 1,793,471 & 319,6.81 & & & 154 & 1,3,37,432 & 251,635 & 4. & \\
\hline & Stock in hand & 4.3,974 & & & 1453 & 1,317,031 & 261,012 & & \\
\hline  & 1,976315 & 37,421 & is. 63 & 28. \({ }^{\text {d }}\) d. & 1856 & 1,478,101 & 219,286 & \(\left\{\begin{array}{c}\text { 24, \%id. and } \\ \text { Sper cent, }\end{array}\right.\) & \\
\hline 1523 & 1,702, 3 , 95 & 217,312 & & & 18.57 & 1,691,157 & 248, 396 & ". & \\
\hline \(1 \times 21\) & 2,117, 75 & 276,253 & & & 1858 & 1, ¢31,717 & 231,224 & net .. & \\
\hline 1825 & \%,70f, 8182 & 336,128 & & & 1859 & 2, 161,518 & \%75,670 & .* & \\
\hline ¢ 1826 & \begin{tabular}{l}
\(2,416,253\) \\
1,5103 \\
\hline
\end{tabular} & 311, 8.808 & & & & \(2.219,1226\)
\(4,119,108\) & 312,498
325,554 & \(\because\) & \\
\hline 1887
1828 & \(1,813,0181\)
\(2,401,225\) & \(2342 \times 99\)
311,192 & & & 1861
1.864 & \(2,110,104\)
\(4,33,600\) & 325,358
\(\mathbf{3 7 , 3 5 8}\) & \(\because\) & \\
\hline 1829 & z,112089 & 259,801 & & & 186.3 & 1,919,093 & 278,06.9 & .. & \\
\hline & & & From llartey & From \(\mathrm{Hl}_{5 \mathrm{sg}}\) & 1861 & 2,411,177 & 307,031 & - & \\
\hline 1531 & 2,101,811 & 46,3,309 & & & \(1 \times 6 \mathrm{f}\) & 4, \(2,473,6,12)\) & 31, 37,332 & \(\because\) & \\
\hline & & & & & 1867 & 2,401,382 & 3301,781 & net & \\
\hline
\end{tabular}

Prices of Malt, at Greenuich Mospital, from 1730 to 1810, per Winchester Quarter, and from 1845 to 1865 , per Imperial ditto.
\begin{tabular}{|c|c|c|c|c|c|}
\hline Year & l'rice & Year & Price & Year & 1'rice \\
\hline 1730 & \% 20. & \({ }^{*} 815\) & \(6{ }_{6} 6\) & 18.10 &  \\
\hline 178 & 278 &  &  & \(\underset{\substack{1815 \\ 1 \times 16}}{18}\) & \(\begin{array}{ll}69 \\ 68 \\ 68 & 9 \\ 4\end{array}\) \\
\hline 176 & \begin{tabular}{l}
21 \\
24 \\
24 \\
\hline 18
\end{tabular} & \begin{tabular}{c}
\(1 \times 12\) \\
\(1 \times 2\). \\
\hline 18
\end{tabular} & S. \({ }^{51} 8\) & (18.47 & \(\begin{array}{ll}761 \\ 60 & 6\end{array}\) \\
\hline 1\%80 & & 1824 & \(6{ }^{51} 1\) & ¢1818 & \begin{tabular}{l}
61 \\
\hline 9 \\
\hline 9
\end{tabular} \\
\hline (1909 & 3.5
8.5
8.5 & \(\substack{1 \times 2.2 \\ 1 \times 30}\) &  & \(1 \times 5.5\) & \({ }_{7}^{7} 311\) \\
\hline  & 8.4
85
80 & \(\underset{\substack{1830 \\ 1835}}{ }\) & \({ }_{61} 66\) & \({ }_{186} 186{ }^{\text {a }}\) & 76
59
59 \\
\hline
\end{tabular}
*The law marchace made. Brewing discontinued in is6if, in con-

By 29 \& 29 Vict. c. 66 the malt is charged according to the weight of the grid the first clanse, the maltster must give no writing, of his desire to the officer of excivef whose survey he is, and must combenceyc
thin a calcndar month of his notiee, \({ }^{2}\) machinery must be provided. 3. Yoine
12 o'clock (noon) of the day beforc he inter ship grain. 4. Malister to declare the 5. Mode of ascertaining the weight of Of calculating duty. 7. Weights gnd \({ }^{3}\) may weigh grain with such measura penalty if declared weight exceeded b!

There is

fut 24 miles.
dit. \(\lim 0,167\)
nis miles.
Whe Ricasoli
ismeo Dallam
is on Carallo I
la 1863 the
1), 10140,368 ;
2). \(1024,5,388\);
leti, in entire I

Revente receired theren，

Rate of Duty per Ilasted
the The Act is to be in forco for four yer de－ for fupe 29,1865 ．
Br 27 \＆ 88 Vict．c． 9 malt may be manufne tod free of duty for tho purpose of fociline cimals，under certain restrictions，tho principal dwhich is the mixing a certain quantity of lin wel eeal or cake，with the malt an manufactured bis．It is to continue for 5 years from its jassing， wnitis 1804．From a series of experiments ing Witien by the Bonrd of Trado in tho year 1866， drems that a deeided loss attends the employ－ pat of malt for the purpose of feeding cattle． Ifrouldappear from tho 1 th Inland Reven expon，that the deminud for cattle－feeding penne mematinues to fall off，so that the number of rutaters of this class has been reduced trons of Wh，onl \(3,9 \mathrm{~s}\) bushels having been made in 1866 Roviations as to the Manufizcture of Malt． Ware mburdied in the Acts 7 \＆ 8 Geo．IV．c Renll Geo．IV．c．17．The former Act is execed－ tromplex；it has no fower thnn eighty－thrce wast；and the regulations embodied in it， tond frequently repignant to common sense， zenfluced by 106 penalties，amounting in all to te mormulas sum of \(13,500 \mathrm{l}\) ．！But it was not thature of things that such n law conld be wird to exist for any considerable period．It the tur masers，but by all the more intelligent fisendescise．In consequence，the 11 Geo．1V． ． m apsed．This latter statute is entitled 0 rer widerable pruise；ft repenls a good ong d the penalties，and some of the most rabowsduseless regulations，in the former； otar be business may now be enrried on with wandy to the revenue，nad with infinitely sait and anoyance on the part of the manu＊ tat the gauging of tho cistions principally th malt，the emptyiog of the cisterns，the tig of the malt when in the coach frome the pront of the duties sone il that of undertakinge．But as no one ase sithout having a minn，it weuld be quite unvecessary for us aifar limits permitted，to give an abstract of Me．fes，mas
4．may not be imported into the United finf for home use under pain of forfeiture； imar be warchoused for exportation． IT．c． \(100_{i}^{7}\) s．5！．\()\)
LiLA．An island in the Mediterranean， noty to the British，nearly opposite to the wim extremity of Sicily，from which it is
＊dheisland Malta is situnted on the north Mor 12 lioad．Thata is about 20 miles long， wat of the size of island of Gozo，about \(n\) Whart of the size of Malta，lies to the north－ vennit betreen about 4 miles＇distance；nund There is a light on the small island of IS long． \(14^{\circ} 10^{\circ}\) E．，which on Gozo island，lat． this 40 feet above，which revolves every hen 24 miles．A second licht mark，nud is 3／tasa Jusceit A second light is on Tigne tifi，Almo， 167 feet above h third is on the lek 15 miles，A fourthe high water，and is d the Ricasoli forth，on the north－west Sinuco Dallamem fort，is red．A fifth is on is on Carallo Bianco point，and also red．\(\Lambda\) L lu l8c3 the populationt of Lampedirsa ated，excluding the parition of both islands ent，to 140,368 ；of whison（ex tlic Maltese The entire revenue coll of Gozo was et，in 1863，to 157,3817 ．of which Malta

\section*{Malta}

13，1 100 ，is derived from the re 857
from enstoms，nud 23,132 frent of lands； 97.2 HI ． lands．The public debt wrom other rents not of per cent．interest．
Valetta，the capital of
almost impreguable fortlicationd，is dofended by All thy hone，＇nre indeed moions．＇These，＇says are a trifle to the catacombs of Rome and Naples． are a trifle to the immense excrome and Naples been made in this little island．The expations that have vast size，are all cut out of the The ditches，of a extend for a great innut of the selid rock；these tonishment to think thnt so ；and raiso our as－ ever been allo to think that so small \(n\) state hins Sicily and Alho to make them．＇（Tour through came into Multa，Letter 15．）＇Since the islough been considerably improv，tho fortifieations have is a place of very great stren；so that at present it Atter thic capture great strengeth．
Euperor Charles V．made ofes by the Turks，the the knights of St．Jolin of J present of Minlta to possession it rennained tor ernsalem，in whose tnken by the French till 1798，when it was Intier by the Engrishl in 1800 was taken from was ceded to us in 1814． 1800 ，and was definitely The island cousis．
covered with soil，a mostly of \(n\) rock，very thinly brought，at an imm a good denl of which has bee being cult vated with the expense，from Sicily；but excellent fruits，particularly thost care，it produces ornnges，eorn，cotton，withe celebrated Maltese indigo，saffron，and sucqar．The thall quantitics of ence of the inhabitants is on the principnl depend－ of which in 1863 nmount their cotton；the crop partly exported raw and to to \(7,876,960 \mathrm{ll} 3\). ，is In \(1866,953,792 \mathrm{lbs}\) ．of martly manufactured． the United Kingdom，but in 1807 cotton reacled does not appear to plies．The corn raised in contributed to our sup－ cient to feed tho inhabitants for inand is not sulfi－ months，and nt an average abor more than 5 or 6 of foreign wheat are required abe 100,000 quarters addition to corn，cattle pred for their use．In including dried fish，fruits provisions of all sorts， \＆c．are largely imported The Egetian peas，wine ticles of import comprise the other leading ar－ linens，woollens，comprise cottons，cotton yarn goods；conl，partly for west in tor of manufacture， more for the supply of the in the island，but far on their voyage to on for steamers that call here \＆c．；gunpowder，nud other warandria，Marseilles use of the garrison；sugar，warlike stores for the products；tobnceo，oil，wines tim，and other coloning in corn used to be monop，timber de．The trade and after the monopoly wnalised by Government； importation，varying with the prindoned，duties on But in 1835 these duties were abolishere imposed． fixed duties on corn entered abolished；and the specified in the first enterad for consumption， were substitutcd，nnd those of the subjoined tariff， nre now（1868）in force． Malta presents nousual facilities，which havi．］ hitherto been taken proper adv，which have not coming the entrepôt of the advantage of，for be－ terrancan and Black Sea．corn trade of the Medi－ are，like those of Sicily nnd In warehouses for corn the rock ；and are，perhap liarbary，excavated in in Earope for the ，perhaps，the best fitted of aay lollged in them may be preserv corn．The wheat perioul ；nnd it is affirmed that thor an indetinite on being deposited，be affected though it should， very soon freed from that destry the weevil，it is is not often that corn can destructive inseet．It Odessn，Taganrog \＆ec．to Eurn bught direct from risk of being damaged；to Eugland，withont the first instance to Malta，but wero it breught in the afterwards be conveyed in the best order ，it might
don, or anywhere else. Salta is also admirably well suited for becoming a centre of the corn trale of Egypt, Marbary, Italy \&c.
furing the war ended in 1815, particularly thring the period when Napoleon's anti-commer cial system was in operation, Malta became a great entrepott for colonial and other goods, which were thence conveyed, as opportunities ollered, to the aljacent ports. This commerce ceased with the circamstances that gave it birth; and for some vears after the return of peace, the trade of the island was depressed below its natural level by the imposition of various oppressive discriminating daties, In 1819, this vexations system was partially obviated; but it continued to exert a pernicious intluence till 1837, when, pursuant to the recommendation of Messrs, Austin and (1, C. Lewis, commissioners of enquiry, tho then existing taritls of customs duties and port charpes wer wholly abolished; and a new tariff (which is subjoined) was issued in their stead. It imposed moderate duties, for the sake of revenue only, on a few articles in general demand, without regard to the country whence they eame, at the same time that it equalised the tomare daties, and reduced the warehonse rent on articles in bond to the lowest level.
There are some good springs of fresh water. Vateta is partly supplied by water brought by on agueduct a distance of abont 6 mines, and partly by the rain collected in cinicms.
Harbour.-Who harbour of Valetta is donble

and is one of the finest in the world. The city built on a narrow tongue of land, having castle and licht of St, limo at its extremity, a an atmirable port on cach side. That :it south-eastern side, denominated the grand 1 art, it
the most frequented. The cutrance to the most frequented. The contrance to it, abow 250 fathoms wide, has the formidable batterits St. Blmo on the one hanad, nud thone of \(\xi\) Ricasoli on the other. In entering, it is nee sary not to come within 50 or fiot tathoms of former, on accomit of a spit which projects fri it ; but in the rest ot the chanae! thre is from to 12 fathoms water. The port, which ruas shin 17 mile inwards, has deep water and cxath anchurage throughout: the largest men-rf-r coming close to the quavs. Port Marsamisect on the north-western side of the city, is alsn noble harbour. The entrance to it, which is aive the same breadth as that of the granal port, uetween St. Elmo and Fort Tigne, la the cents of the basin is an island, on which are built castle and a lazaretto, for the convenieace of ships pertorming quarantine, by which the p principally used. Owing to tha natrownes of entrance, and the usual variabicaess of the win it is customary for most vessels bond for That to take a pilot on board before enterint
harbour.
Tabife ( A ),-Duties on impurts 1830 and and also dues for store rent, which the colle of customs is required to levy on the acevara the Government of Ialta.
\(\underset{\substack{\text { Inport puties } \\ 183 j^{2}}}{ }\)
\begin{tabular}{ccc}
\(£\) & 3 & 1 \\
0 & 2 & 11 \\
0 & 10 & 0 \\
1 & 0 & 0 \\
0 & 0 & 6 \\
0 & 10 & 11 \\
0 & 6 & 0 \\
0 & 4 & 0 \\
0 & 3 & 0 \\
0 & 5 & 0 \\
0 & 6 & 0
\end{tabular}
\begin{tabular}{lll}
0 & 2 & 0 \\
0 & 0 & 6 \\
0 & 0 & 10
\end{tabular}
\(\begin{array}{lll}0 & : & 0 \\ 0 & 0 & 6\end{array}\)
\(\begin{array}{lll}1 & 2 & 0 \\ 1) & 2 & 0\end{array}\)
\(\begin{array}{llll}0 & 11 & 0 \\ 0 & 2 & 0\end{array}\)
\(\dagger\) tud.

The store rents on srain lodred in bond to of Government, by the superintendent of be payable from the day on which the grain wat tine, Malta,
loiged. The store rints on every other article nentioned in the tarifl' to be payable from the 10th day after the day on which such artiele was hodged.
'Cariff (B).-'Tomage dues which the eollector of customs is requited to lery on the aecount of the Government of Malta.
Vessels discharging merchandise in the island shall, on clearing outwards, pay for every ton or any part thereof, \(6 d\).
Thbiff (C).-Fees which the collector of customs is required to levy on the account of the Govern ment of Malta.

For eacli certificate under the office scal
Tor
Tariff of dues authorised to be levied for accomnt

Shipping in Quarantinc.-1. Tesels upon a quarantine to par tor cach dav continuance in port, as follows:-

Vobets not exceeding 25 ton

2. Vessels of whatever size, suiling is tine, having entered upoa the performane to pay at the above rates, but in no \(\mathrm{m}^{2}\) than 2s. a day for the remaiader of the quarantine.
3. Vessels liable to quaraatiae, aut bart

1 dat, in ad
Effrels receis be chareabl as expense rach guarii. Wuter, whom i cosplatided in in
 ?20, 4at, मist Pethens perfory of at the rate 0 arions but mu Dentith more th: Dowments issul
rld. The city is and, having the is extremits, and ie. That wal the the graud pouthis cance 10 it , ahone idable batterisso mil those of Fan cring, it is neart fi0 fithems of the hich projects it nel there is from t , which runs abiad ater and fxell largest men-rif.ws ?ort Marsamuscent - the city, is also to it, which is alow f the grand port, 'igni. In the ceat a which are baik c convenience of by which the tha narrowness of iabreness of the win sels bomond for Yat before entecius imperts 1830 and it, which the coller lery on the aceury \({ }^{8}\)

In: ex: Du.es Whas
free in boris
14. 3 Sh y yee bublit 91d.

luperintendent of of
inc.-1, Teseds av for each day ollows:-

\section*{tons
\(" 1\)
\("\)
\("\)
\("\)
\("\)}

In size, sailing in fo the performant tes, but in no in remaiader of the
H.fcount of the Quantities and Declared Values of the Principal Articles of British and Irish Produce and Manufacture Exported from the United Kingdom to Nalta in each of the 3 Years anding with 1867.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Articles} & \multicolumn{3}{|c|}{Quantitics} & \multicolumn{3}{|c|}{Lectared theal Yalue} \\
\hline & 1865 & 1866 & 1867 & 1865 & 1866 & 1867 \\
\hline vetand haberdashety - value & & & & \(\underset{\substack{30,1166}}{18}\) & \({ }_{\text {20 }}^{29}\) & \({ }^{25.36 \%}\) \\
\hline  & 5,390
115 & -4,682 & 4,171 & 18,143
4,198 & 1:3,361 & 15,392 \\
\hline boshrimed : : & 1,481 & 1,158 & 1.111 & 7, 37 & 7,967 & 6,8,33 \\
\hline gaud \({ }^{\text {a }}\) (tuns & -32,491 & 16x, 510 & 11,965 & 81,2\% & 92, 10.7 & Si,sicid \\
\hline Fich enden, and and unuruaght cwts. & \(\begin{array}{r}1,212 \\ 5024 \\ \hline 026\end{array}\) & 1,02, 1,113 & 737; \({ }^{1029}\) & 35,4m &  & 8,144 \\
\hline Commen m bere the yard - yards & 13,021, 069 & 15,097,139 & 10,4322,237 & 25, \({ }^{\text {a }}\), 26 & 266, \({ }^{\text {a }}\) & 171, \({ }^{107}\) \\
\hline  & - & - & - & 5,970 & 3, 16.67 & 4, 4101 \\
\hline Emberre and porceain * barrels & 1,315 & 1,209 & 3,217 & 4,409 & 4,974 & 3,127
8,27
\(\mathbf{8}, 27\) \\
\hline  & 175,613 & 532,525 & 104,360 & 3.311 &  & 2,754 \\
\hline  & & & 109,30 & 1.3,26 & 12,01 & 2,567 \\
\hline  & 2,117 & 年, & 1,767 & 10,860
1.597 &  & 10,503
9,144 \\
\hline  & 652,177 & 17\% & 427,211 & 27.313 & 19,169 & 17,196 \\
\hline Tasionatrid lit ralue : value & 20,097 & 19,163 & \(\overline{43,116}\) & 2,0628
4,207 & 3, 361 & 1,875 \\
\hline  & & & & & & , \\
\hline  & - & - & - & 18509 & 1,113 & 1,110 \\
\hline hrimos (m) otherwise de: , & - & - & - & 1.902 & 1,853 & 1,227 \\
\hline  & 8.76 & S 3.5 & 1,670 & 2,2819 & 1, 1994 & 1,104 \\
\hline Smod - - " & -1, 50 & 2,1100 & 1,667 & S, \({ }^{2} 21\) & 3.096 & , 2, \\
\hline  & & & & 2,175 & 1:205 & 3,279 \\
\hline  & 351,653 & 1:1,58 & 2-8,503 & 26,1110 & \({ }^{2}\), & [4,313 \\
\hline \[
\text { Lume undes } \quad \text { al value } \quad \text { - value }
\] & - & - & - & 70.314 & 43,018 & 15,945 \\
\hline Tital & - & & - & \(6.31,901\) & 6, 3,305 & \(1!/ 5,296\) \\
\hline
\end{tabular}
yedpyn the pertormance thereof, to
ander their continance tresor weather to tried compelled by stress of weather to witakrat harbour, to be subject, while they meninta, to the additional charge of \(3 s\) a day, reimerd toat which the superintendent of in *
in weed in quarantine entering the great irrise rithoot a justifiatle canse, ineurs the vero of 200 dollirs imposed by the second Whietheprodamation, dated Octover 12, 18:20. Y: 51 IIL.
IThels hasing eontagions diseases on buard wisan extra rate in proportion to the expense ary marto ineurred, bat in no case to exceed Mutiv; in adlition to the nsual rate.
Efjedisececised iuto the hazaret for dep iertation We chareceble with a due proportion of the and experese therecof, which at present, on narg ceations, is at the rac on duy or cuct dearer flom it may te necessary to cmploy.


Pevars perforning quarantine in tho lazaret to Fry the rate of 2s. bid. a day for each guardian FWabl bat no singlo individual to be chargeWhitu notethan 1 s . 3 d , a day.
Dewanents issued tunder the office seal, 2s. ficd.

Pata
Pureof pilotage to be exacted from vessels engeo departing from the harbours of V: letta Hismausetto when in charge of piluts, vis..:


 \(\therefore 150\)
eswhen cither of the above-mentioned haruntobe paid.
Ging out of one of tho above-mentioned trons and catcring the other, \(\frac{3}{3}\) of the above peto be paid.
Phats taken on board of ressels in quarantine reaited (if vietualled on board) to \(1 s .8 d\). per
diem; if otherwise, to \(2 s\). Ad ., exelusive of the pilotage.
N.b.-In all cases pilot boats must be in readiness when required.
N.B.- Ierellant steam vessels pay for tomage dues 11. up to 400 tons; above 400 and not exceeding 800, 11, ड̂s. ; abore 800, 11. 10s.
We exported to Malta in 1866 foreign colonial profuce to the amount of \(91,5 \% 91\). The value of the imports from Malua during the same year was 115,6381 .; the prineipal articles being cotton and elepliants' teeth.
'The central position, excellent port, and great strength of Malta, make it an admirable naval station for the repair and accommodation of the mell-of-war and merehant-slips frequenting the Mediterrancan, and render its possession of material importance to the British empire. Since Malta-built vessds were admitted into the ports of the Unitel Kingdom on the same terms as British-built, the trade of ship-building has materially increased in the islant. The Maltese shipwrights are diligent, expert workmen; and, their wages being moderate, it is a favourable place for careening. Owing to the want of a dry dock, all ships above the size of a sloop of war. that require to have their bottoms examined, have to come to England for that purprse. This, surely, should oe obviateci. Quarantine is strictly enforeed at Malta; hut there is every facility for its periormanee, and the charges are less than at any other port in the Mediterrancan.
Malta is now the centre of a very extensive steam-packet system : he steamers from England for Constantinople, Aicxandria, and other ports of the Levant, touching here. The French steamers from these ports usually perform quarantine at Malta.
Moncy.-In 1825, British silver money was introduced into Matta; tho Spanish dollar being made legal tender at the rate of 4 s. . 4 .; the \(\mathrm{Si}-\) cilian dollar at \(4 \mathrm{~s} .2 d\). ; and the scudo of Malta at \(1 s .8 d\).

Weights and Measures.-Tho pound or rottolo, commercial weight \(=30\) oneie \(=12 \cdot 216\) English grains. Lence 100 rottolo (the cantaro) \(=17.4 \frac{1}{2}\) ibs. avoirdupois, or \(79 \cdot 14\) kilogrammes. Merchants usually reckon the cantaro at 175 jbs ,

The salm of corn, stricken measure 985 of nn imperial quarter heaped ineasure, is reckoned 16 per cent. more. The cadiso, or measure for oil, contains 4 f English gallon \(3=20 \cdot 45 \cdot 15\) litres. Tho barrel is tlouble the cafliso. The Maltese foot \(=\) 11! English inches \(=\cdot 2836\) metres. The canna \(\Rightarrow 8\) palmi \(=81 \cdot 9\) English inches \(=2.079\) metres. Merchnnts usually convert Maltn measure into English in the proportion of \(3 \frac{1}{2}\) palmi to a yard, or \(2 \frac{2}{7}\) yards to 1 camna.
Bills on London are usually drawn at 30 ant 60 days' sight. The deputy commissary general is obliged io grant, at all times, bills on ihe treasury here fer British silver tendered to him, at the rate of 100 l . bill for every 101 l . 10 s , silver, receiving, at the samo time, other silver, at a fluctuating rate of exchange.
MAN (ISLE OF). Is situated in the Irish Sea, at about an equal distance from lingland, Scotland, and Ireland. It is about 30 miles long, and 10 or 12 broal. The interior is mommainous, ant the soil nowhere very productive. Population, in 1861, 52,469 . This island used to be one of the principal stations of the herring tishery; but for a considerable period it has been comparatively desertel by the herring shoals, a circumstance which is not to be regretted; tor the fishery, by withdrawing the attenion of the inhabitants from agriculture and manufactures, and leuting them to engage in what has usually been a gambling and unproductive business, has been, on the whole, injurious to the island. The steam packets from Liverpool and Dublin touch at the Isle of Man; which is, in consequence, largely frequented by visitors from all parts of the empire, whose influx has materially contributed to the improvement of Douglas, the principal port in the island, and other towns.

The feudal sovereignty of Man was formerly vested in the Earls of Derby, and more recently in the Dukes of Athol, a circumstance which accounts for the fact of the duties on most commodities consumed in the island having been, for a lengthened period, much lower than those on the same commodities when consumed in Great Britain. This distinction, which still subsists, though to a smaller extent, has produced a great deal of smuggling, and been in no ordinary degree injurious to the revenue and trade of the empire. During the present century, indeed, the clandestine trade of Man has been confined within comparatively narrow limits; but to accomplish this, a considerable extra force of custom-house ollicers and revenue cruisers has been required; and the intercourse with the islanil has to be subjected to various restraints. Nothing, as it appears to us, can be more impolitic than the continuance of such a system. The public bas, at a very heavy expense, purchased all the feudal rights of the Athol family; and having done so, it is certainly high time that an end were put to the anomalous absurdity of having a considerable island, lying, as it were, in the very centre of the empire, and in the direct line between some of the principal trading towns, with different duties on many important articles! It might be necessary, perhaps, to make some compensation to the inhabitants for such a change; and this might be done, with advantage to them and without expense to the public, by modifying and improving the internal iegulations and policy of the island, which are very much in need of amendment. We lo not, indeed, imagine that the island would lose anything by the proposed alceration; for the temptation which the present systera holds out to engage in smuggling enterprises diverts the popuJation from the regular pursuits of industry, aud, along with the herring lottery, is the principal
cause of that iulleness for which the Manx are so notorious. The customs revenue collectel in the lslo of Man in 1852 umounted to 28, , from this sum 1.1,373l. was deducted on aceonat of expenses of collection, pollic works, interual vernment dc. Wo subjoin an abstract of the Acts which now (1868) regulate the tatale with the lsle of Man: the contitions under which j it i carried on have been a good deal simplified.
I'he regulations under which the trade of the Isle of Man is now condueted are embodied in the Acts \(16 \& 17\) Vict. c. 106 , the 16 \& 17 Vict, e. it the \(29 \& 30\) Viet. c. 23, and \(30 \& 31\) Yict, c. \(\&\) and are as follows, viz.:-
Duties in Table, to be levied on Goods importes into the Isle of Mun. - In lieu of all duties of eatonss now payable by law upon the importation goots into the Isle of Man, there shall be raisell leviet, collectet, ant paid unto her Majesty, her heirs and successors, the several duties of customs us the same are respectively set forth in figutes in following table, viz. :-

\section*{D.aies applieable to the Isle of Man.}

Collive, the import duties in Great Britain or lreland not Corn: vire, wheat thereon Corn: viz, wheat, barley, bear or bigg, oats, rye, peas, Wheat lie il and tlour, hardey meal, oatmeai, the quarier anul tour pea nieal, heara meal, huckwhat meal, and maite or Indian com meal
Spirts ; viz. frandy (itneva Spits; ditz. trandy, ditheva, and all furelen aphits, not
 Britith or 1 rish spirits exported Grom a duty- Free warc.
hause under hood in the Unitut Klugden.
Such spirits not csceediag the strength of proof is
Sy kes s hydrometer, and so in proportion foor my
greater or less atrength thas the strenctor poof, kreater or less atreapth thas the streng th of proof, and
for any greater or less guantity Eau de Cologne, per flask ( 30 not eontainiog more th Eau de
gallon)
Siqueur, enrillals, and perfumed spiritz
Sugar, vic. Mhuscovado
sugar candy, white or tioun : the gallon oin
radered by any process equal to retined, ur wugap Tea
Tibsacco, vix. unmanufactured
1 nnufactureel. of all narts, atul eigars
fied contamag less than sti negrees of proot spithe id. 10 J heen ascertained hydrontester the strength hereof haring or port In Great By test al Liver inool or some other station \(\begin{array}{ll}\text { or port in Great britain or Irelatid } & \text { the gallos of } \\ \text { Otinss }\end{array}\) Goods, wares, and merehandise imported or broughiffom
any place from whence such goods may be law fulli ing any place from whence such poods may be lawfully ing-
ported into tho lsle of Man, and not hereinuefice ported into tho lale of Man, and not heremuefire every 100 l . of the value thereaf

Poreer to the Treasury to remit nnd reiminon Duties on unenumerated Artieles.--'The cum sioners of the Treasury may from time to time, nny order or orders under thicir hands, declate all or any articles legally importable iato the of Man, and not enumeratel in the said table, upon which the said duty of 15 per cenc.. is he imposed, shall and may, from and after any or days named in such order or orders, be impat from the plnees and in the manner therein \(\frac{1}{4}\) tioned into the Isle of Man duty free, durings time or times as shall be therenis named, or in such order or orders respectively, or any of the shall be rescinded, and such articles shall be ported duty frec accordingly so long as any order or orders, or any of them, shall coatinue rescinded; and the said eommissioncrs mayat time, by any order under their hand, rewode whole or any part of any previous orderot aty or any of them, for sueli time and in such mz as they may see fit; and all orders of the onn, sioners of the Treasury made in pursuanced and Dublin Gazettes twice st least withial and Dublin Gazettes twice st least winialy copy of every such orter shall be laid befery Houses of Parliament within 6 weeks aluetbed of such order : ? .rim.ne:t be then sition, 28,07̈l.; but I on account of (s, interual abstratt of the the trade with nder which i! is implified, he trate of the cmbodied in the \& 17 Yiet. c. \(1 H_{i}\), \(\$ 31\) Vict. c. 80,

Goods imported all duties of ellhe importation of re shall be taived her Majesty, hut duties of customs forth in firutes in

Isle of Mar.
or Ireland nut
or the ll. ons, the of
\(=0\) real, rye meal
luas meal, sul the ck
reign spirits, 1 ,
rits - Che gallo reign spiris, , vilot
rist - The assions the Rallon
duty fret ware. duty fires wate. lant of proof by oyortion for ar nyth of pro a a gallum
ning mure than I
or the gallon in
- the gallon 0 an magr, or sugar
proof spirit, the res Sproof spitit, rent some ollere station
the galion 0
the gallon ed or broughif from ay be lanfuly in. not hereinbethre
remit and reiripose ricles.- Ihe cund from tiane to time cir hands, declate portable into the in the said table, 15 per ceint.i. b on and aftet an! or orders, be impas manner therein \(\mathbb{M}_{3}\) duty free, dating ercin named, of vely, or ans of th articles shall be y so long as auy em, shall continne missioners mayat seir hands, neroke evious ordat of of \(c\) and in such \(m\) orders of the m e in parsuance es blished in the at least within ! rrs respectiver, all be laid betme we ther sitions
W.tben within 6 weeks after the commencement then next session of Parlianent. ( 16 \& 17 Vict. e. 106 s 5 .)
The followiag Treasury order las since ap-rased:-
Pate:- virtue of the powers vested in us under the 'Ab sectina of the Customs Tarilf Aet, \(16 \& 17\) , 106 to remit and re-impose tho duties lit. co so, tomerated articles lecrally import ried on uneaumerated articles legally importwe anto the Isle of Man, these are to anthorise ra under the said section of the Customs Tariff fin to allow all articles enumerated in tho tariff the l'aited Kingdom, and not enmmerated in teiff of the Isle of Man, and which, lader bariff of the istand, would be subject to an ad shatid duty of 15 per cent., to bo admitted free it duty so long as the order permittiag such free duty sball remain urescinded. For which whin ball be your warrant.
'Aherdeen, John Sadleir.
'wheball, Treasury Chambers, August 27, 1853.'
Wu of lan to be dcemed Part of the Unitcd Sindum for the I'urposes of this Act. -The 1sle Itan shall be decmed and taken to be part of delatel Kingdom for all the purposes of this deluat octhing herein contained shall prejudice Whitht of be construed in any way directly or aisell to prejucice or alliect, any of the rights andidems legally exercised or enjoyed by the "He the time of the passing of this Act. (06stifict, c, 107 s .316 .)
Tuddditiered out of Charge of Customs in Isle d Laurtto be brought into Britain or Irelunt.Sofriti goods upon which a higher duty is pulka their importation into Great Britain Wherstas on their iaportation into the Isle "14us sall, after the same have been cleared whiritred oat of charge of the proper officer of atasi for censumption or otherwise in the said Wiuterricid or shipped or be waterborne or be tultt to any quas, wharf, or other place to be Letl waterborac to be carricel from the said atita Great lititain or lreland; nor shall any aki.,ydes which may be brought to the said isle, wehbot leared and delivered as aforesaid, be Find of carried thence into Great Britain whand nutil the came have been duly cleared Ethat parpose by the proper officer of customs, ma wies reported for removal in the same ship atinacatiuation of the voyage to some port in Gusu Brisin or ircland) until sufficient security Thad io otherwise shall have been given, in od manner, aad on such terms and conditions, athe Gmanissisuners of Customs may direct, for Eatde delivery thereof at some port or place in hase Batain or Ireland; and all goods carricd, Wegth, shipped, removed, or waterburne to be Well renowel, or carried contrary hereto shall Theitell, and erery person who shall carry, 2ting remove, or waterbear to be shipped, 2rell, or carricd, any goods contrary heretw, or Whatal aid or be conceraed thercin, shall forieit Nkite ralue of such goods, or the sum of 1007., the eletion of the Commissioners of Castoms. *)
Wusthe Growthor Manufactare of the Isle of la angbe imported into Gireat Brituin or Irena \(a\) lertificute fc.-Any grools, the growth of Why Slan, or there manafactured from maAhthegronth of the said isle, or from materials *addeat to duties ia Great isritain or Ireland, Ltom materials apoa which the duty has been Wit Graal Britain or Ireland, and upon which no Mraxi Las been subsequently grauted, may be cht from the said isle into tireat britain or tad without payment of any duty: provided
always, that such goods may nevertheless hes charged with such proportion of such datics as shall fuirly countervail any duties of excise payable on the like sort of goods the proluce of that part of the United Kingdom Into which they shall bo bronght; and any articles, either wholly or in part manafactured in the said islo from any materials upon which a higher duty is paynble upon their importation into the United Kinglom than on their importation into the Isle of Man, may be brought from tho said isle into Great Britain or Ireland on payment of the duty payable on such groods in that part of the United Kingilom into which they shall be so brought. (Sec, 3.18.)
Declaration and Certificutc of Growth or Manufacture of Goods from 1 sle of Man.-Betore any groods shall be slipped in the Isle of Man to be carried to Great Britain or Jreland as the growth or produce of that isle, or as mumufactures of that isle from materials the growth and produce thereof, or from materials not subject to duty in Grent Britain or Ireland, or from materials upon which the chuties shall have been paid and not drawn back in Great Britain or Ireland, proof shall be made by the written declaration of some compotent person, to the satisfaction of the collector or compitroller of customs at the port of shipment, that sach goods (describing and ilentifying them) aro of such growth, protuce, or manufacture, as the case may be; and in such declaration shall be stated the name of the person by whom such goods are intended to be shipped, and such person, at the timo of shipping (not being more than 1 month after the date of such declaration), shall make and subscribe a declaration before such collector or comptroller, that the foods to be shipped are the same as are mentioned in such declaration, and thereupoa the collector or comptroller shall, on demand, give to the master of the ship in which the goods are to be exported \(n\) certiticate of such proof of produce or of manufacture, describing the same, and setting forth the name of the party and of the ship and of the master thereof, and the destination of the groods. (See. 3.19.)
Act not to afficet Exxcisc Drawbacks.-Nothing herein contained shall be deemed or construcd to affect the laws and regulations now in force respecting duties and drawbacks of excise on grods removed to the Isle of Man. (Sec. 350.)

Storcs of Munx Ships.-If any ship or boat bound from the lsle of Man to Great Britain or Ireland shall have on board any stores of spirits, tobacco, or tea for the use of the crew, exceeding the quantities specified in the following table, such stores, together with the casks or packages containing the same, and also the ship or boat, shall bo forfeited:-
\begin{tabular}{|c|c|c|}
\hline & In Ships or dected Vessels & In open lloats \\
\hline Spirita for each seaman - & Halr a gallon & \\
\hline Tobacco for each seaman Tea for the whole erew. & One pound I'wo pounds & Half a jound One pound \\
\hline
\end{tabular}

Trcasury may restrict Imports.-The Commissioners of the Ireasury shall and may at any time, if they see fit, by order under their hands, restrict or limit the importation into the Isle of Man of any forcign goods to such quantities per annmm and in sueh manner as they may deem nucessary, and also determine into what jorts in the Isle of Man and from what places such goods may be imported. (Sec. 852.)
Managencnt of Duties.-'The duties of enstoms payable on the importation of groods into the Isle of Man shall be collected, paid, recovered, antl aecounted for under the management and control of the Commissioners of Customs; and, except the

\section*{mantest}
neressary charges of eollecting, recoverimg, and alcounting for the arme, the said slaties shatl from time to time (subject to the delnetions hereinufter mentioned) be brought and paid into the receipt of her Mnjesty's Exchequer, distinctly and apart from all other branches of the phblic revenue, and shall go to and make part of the Consolidated Fund of the United Kingdom: I'rovided nlways, that any of the collectors of customs of the said isle shali retain, and he and they ds and are herehy asthorisal and required, agreeally to such directions as sball from time to time be piven for that. purpose by the Conmmissioners of Customs, to retain, such sum or sums of moner in his or their hands as may be sudicient to defriy the neressary expenses attendiug the fosermment of the said 1sle of Man and the administration of justice there, and other charges incurred in the said isle, which have heretotore been or may hereafter be deemed dit and proper charges to be deducted from and paid out of the duties of customs collected in the said Isle of Man; and mpen the amount of the said expenses and charges being ascertained, the said commissioners are hereby anthorised to direet the same to be paid out of the said moneys so retained to such person or persons as mity be entitled to receive the same. (Sec. 153. )

L'rpenses of the Gorcrament, and 2,300 . per aumon to Harbour Commissioners of lale of Man. to be paid by Castoms.-The necessary ripernass at tending the govermment of the lale of Man arat the administration of justico there, suld other charges incurred in the said isle, which have herotofore been deemed fit and proper charges to be deducted from and paid out of the duties of customs collected in the said isle, or which may hereafter be deemed proper charges, and atso the annual sum of 2,300l, male payable by let 8 \& 9 Vict. c. 94 , s. 55 to her Majesty's Receiver-Gemeral in the said Isle of Man, and to be applieri for the lawful purposes of the harbour comraisioners therein mentioned, shall and may be retaved and paid by the collector of customs of the said isle, out ol the dulies of customs collected in the said isle, as hereinbefore provided. (See. 3न̈4.)

Additional Allowance for Public Wionthe in the Isle of Man.-In addition to the deluctiones from the customs duties hereinlectire provided for, there shall bo set aside ammually a sum equal to 1 of the amount derived from such dutios, to be applied by the Commissioners of the Transury in eflecting improvements in the harbours and other public works in the Isle of Man, the necessary repairs and improvements in the harbours taking priority of other public works; and it shall be lawfold for the Court of J'ynwald from time to time to determine what improvements and public works shall be so mudertaken, the lieutenant-governor having a veto upon such decision. (Sec. 855 .)
Under 23 \& 24 Vict. e. 56 , the harbour commissioners are entitled, acting with the RecciverGeneral of the Isle of Man, to borrow such an amount as can be covered by an annual inter'st of 2,3001 . for the purpose of improving harbours in the island. The application of the fund so subscribed shall be decided on by the Court of Tyinwald, the lieutenant-governor of the island being empowered to exercise a veto.
By \(26 \& 27\) Vict. c. 86 , dues may be collected at the harbour of Port Erin, improvements in the harbour at this port having been effected in aid of the herring tishery.
The harbour dues levied are as follows:- As soon as the pier is carricil ont at a distance of 300 feet from low water mark, the dues levied in the first column are payable; as soon as 150 feet farther, those in the second colamn.

\section*{be paid every time a} Comprosition on vescels ery season, tl. \(:\) Ocuber ir, il/. 30 tons fand an. 4. for herring measo, rund vessons half does me as atillith. Vi paid retwrines with noe to be tialie to do to royal youth subse in ipt wung others. kraunstein: fliveel. meanese, maralaive mial Span, maja
 \(=\) wreyislo white eolon netel iland of lyillizie bluw neither taste -avnulatid mar be It is werp brittle or frawen" wat into When exposed to a consullemblo rarjis 1 becommas arpir These chavers the metaid he liwatel minganege
hire \&c. wahire by the fir its sponymans liir its sponiza he of mangateve ployed in matant
bleaching liquer. eftrthentware, fors in the manotacture anee generalip use xygen gas. "In ore were imparted etfy from lliliand 216,2031 . A eempol 3 one of the nost pan ats known.
or FIELD BEET wurzel ; Ital. bieta red and white buth. tivated in France artly as food fot ced distillation, and in culture in Great Bri ad Mr. London quest tages orer the turib ses. The preparatic tme as for taming on strong clars the same as that ot ed almustentimetra freding of mild \(f^{\prime}\) Agriculture umercial Xay master, coanta ees where the d the prace ot the name of th ace to which th ount aad desmin? d , with the m rods containd he respectire such parival

muired for tobacco. The mailest minest is made oul, dated, and signed by the cmust be teplace or places where the roods captam, at dthe poots, are taken om bourd. as Esportation.]
fif the Custums Tariff Amendment Aet, 2 : iurse the fiud cter and owner must, within batich gools are shipped for expurtas of any ship atic poper officer of custonss a manion, deliver uning an aceount of custons a manifest, conhandertame and of all the poomls duly shipped oment is truc under ame a decianation that this twief the bills of lading relating to the the asted in the ship, and duly yitued groots aste or his agent, are delivered to Euto fensums eithar at the time, or willinel Les after the tinal chearance cut wards of the equith adeclaration that they represent, to the ame esporten, the manifest may whole of the (an) exporten, the manifcst may be dispensed Sipme, p. 96.)
Mivillat. The capital of Lutcoma or Lazon, duturat of the lhilippine lshands, and the -up 46
 decapital aund its environs, aceordiny ta in
 xuith hisisl were stated to be of \(1230, \mathrm{~d} 13\). cham 135 Chinese, and 210,811 native Itulian rusurswilt on the shore of a spacions bays. themene, at the month of a river navisu of areme mft for about? mile, but figable crigesudistance of about 1.00 vards from its gact The bar, on which there is tenerally its What fum 11 to 12 feet of water, is the y a kasle to vessels of 2,000 thater, is the only Wedine upto the first brid the. The upwarthe Whistespots are situat dint he space bet ween btikg and the entranec th, hhe siver. MerWhar vescels and thosilla Biay, but the thenal anchor and those carrying coals to uzanal anchor at Cavita, about \(\sigma\) miles to - bothered fleme there is a good harbour xadered from the W. and s. W. winds, to 6 furfed byy fore tort st. The arsenal at Cavita theme on the islands St, Philip, the strongest fr vald dand towers, the cily is surroundest
 Mulfaniktea with mtillery.
Qunsof which are buet 1 are 5 on Burias Eai Coreqidor Island, which on the highest Exe: 1 on the islet of Calluill protves every Wher of the canal; nud 1 on Sunnchy point telights on lurias Island is visible for 20 The light on Corregidor Islause is 639 Tands zeiends sumsel muser Monilla. Bay betwren thapenalty of mast hoist their national flag aispanang of 5 dols, to 10 dols, Masters of Tuwibcobsall or agent nust bri where there is hiderspo orbor agent must bring their cere is Thayb orballast, undera peralty of certifiCPhilippined within the tropics, the climate
 Wid this respect being that the princing they the moxp reomect being thithin the principal part whe The soil is of very tur range of the lo the most part singularly furt qualities, tid in minerah verellatlorly firtile. They as. It is stateel In a n statistican anhal proPwiphines fublished at Manill al account of that the watire pppulation of of the 1818 anid

\section*{Minilata}
amonnted to 2,249,852, of whicl 1 2m 863 to luçomia, hut this return is of,22 belonged inen underrated; and the is helieved to have increased very conslderubly in pholation havine now estimated at upwarls of tho interval, it is are some, but not wimards off d,000,000. There Sew Europreans. The natives ninese settlers, and most, netiece, bold, and nutives are said to be the to tho Bastern A rehineluergetie of any belongint a most inteclirent Archipelugo. 'These people,'gany inferior to thene navigator, 'appear in no resays earth like men of anderstand They cultivate the priners, suiths, coldsmiths, werg; are carpentere, I have walkell firourths, weavers, matsons \&ers, them kind, hospitable, and cumuges, abid fount whough the Spuniards sucal ommuicative; and with comtempt, I nerculeak of and treat them atributed to the perceised that the vices they puted to the Governument onght rather to be iniestalishicol.' (Fopument they have themselves The trade ( bot weate de M. de lat P'e rouse, c. 1o.)
 Philipliness were ass law The exparts to the

 cluth" (the tralle in which They are chielly cootom increasing, and formach in seems on be steadily linens, woollens, aud in in \(1867 \frac{\mathrm{e}}{10}\) of the whole), imports thence, condirm. On the other hand, our tolareos and cigurss consting chielly of sugar, hemp. mantic, were salued in ssios and truns ceppal and 18to at 762,244 . Cowrice at \(1,196,55 \mathrm{Ft}\), and in from Manilla. The averages figure in the exports to the winited Kiurdom is exportation of surar The githeril exports from the 500,0016 cwts.
 The former represented the inports at \(2,6 i 9,052 \%\).


Port Charges.-On foreign vessels, 2 re, per unload cargo, beside fees as neither load nor to 15 dols., aceorving to the amounting froma \(\overline{5}\) dols Import Duties. - Spand the size of vessels. ish vessels, pay 3 per cent. ad radities, by Span- \(^{\text {foren }}\) foreign. Foreign commoditics valorem, and 8 by 11 per cent., and 7 commoditics, by foreign vessel. 8 per cent, mader uational fish in general beine and 9 from Clina. Spirits flag from Singapore produce of Spann, by Spanits and strong liquors, aul 25 by foreign; if they be vessels 10 per ecnt, fianish vessels 30 per cey foreign produce, by Cider and beer, producent, and 60 by foreign vessels 3 per cent, produce of Spain, by Spanish foreign produce, by 3 , 10 by foreign: if spanish the foreign. produce, by spanish voreign : if they he \({ }_{3}\) pereign. All Smanish wines, by untiona and 25 \(3^{3}\) per cent,, and 8 by formelum by national vessels ppanish ressels 40 forrlgu. Foreign wines, byexcept champagne, whicht, and 50 ly foreigi. vessels \(\frac{7}{}\) per cent., which pays, by Spanist twist, frey, black, blue 41 by foreign. Coltum holus (nuch as lick, blue, and purple, knjues ar bools, shoes, preserved nse) ready-mpade clothes vhegar, ly surnish vessels 20 pel cent., and tol
by forelgn, Britlsh and other foreign eotton and silk manufactures, made in imitation of nativo cloths, chiefty stripes or checks of black, blue, and purple colours, Madras and Beugal, grey, white, and printed cottons, towels, tablo napkins, and table cloths, 15 per cent. by Spanish vessels, und 25 by foreign. Deche de mer, rattans, diamonds, tortoiseshell, mother-o - pearl shell, and birds' nests, 1 per cent. by Spanish vessels, and 2 by foreigo. Machinery of all sorts for the promotlon of the industry of the country, cotton twist of red, rose, yellow and green colours, fold and silver, eoined or nucoined, plants and seeds. free. Tropienl productlons similar to those of the Philippines, also arraek and gunowder, are prohibited. Opium is only admitted to be deposited for re-exportationi. Swords, fowtingpieces, muskets, pistols, and warlike stores may be deposited for re-export, and eannot be introduced without the special licenso of Government; but cannon and dress swords are adenitted. It is probable that Spanish taritts, both homo and colonial, will undergo a complete revision under the auspices of the new Government of \(18 t i 8\).

Export Duties.-Commodities and produce of every description to Spain, by natioual ressels pay 1 per cent., and 2 by foreign. Eisewhere, \(1 \frac{1}{2}\) by Spanish vensels, and 3 by forcign. IIemp, by national vessels to whatever destination, l per cent., and 2 by foreign. Rice, by Spanish vessels free, and 43 per cent. by foreigu. Manafactured tobacco, and cordage of Manilla hemp, free by all flags. Gold dust, gold in bars, and silver in bars, free.

Lintrepốt Dutics.-One per cent. ad valorem, and 1 per cent. at the exportation, with 1 per cent. more if the commodities should be liept there more than twelve months, two years being the longest time allowed for it.

Port and Custom-house Regulations.-Vessels newly arrived are not to commmicate with the shore until having been visited by the port captain's boat; and within 30 hours after this visir, a manifest must be presented, stating packages, marks, and numbers; but the vessel may retain her cargo 10 days in transit, without stating whether for consumption or deposit, and without being obliged to land or ineurring any charge on the same, except gunpowder, pocket pistols, and forbidden arms.

Terms for Sales and Purchases.--Sales and purchases made, duty paid, at 3 to 5 months' credit, occasionally at \(2 \frac{2}{2}\) per cent. discount for prompt payment, and exports are bought for eash.

The principal currency of Manilha consists of Spanish dollars, of 8 reals and 96 grains, but South American dollars are also current. The weights in use are the Spanish lb., which is nearly 2 per cent. heavier than the English; the arroba \(=25 \frac{1}{2}\) ling. Lbs. nearly; the quintal \(=102\) lbs.; and the pecul of 5 arrobas or 14 ewt. Englisti. The cavan is a measure for riee \&c., varying from 96 to 135 lbs . The Spanish merehants have a chamber of commerce, and a joint-stock insurance society. The United States, France, and Belgium have consuls, and each of the Canton marine msurance companies has an agent here. There are, however, neither fire nor life offices nor afencies; nor is any newspaper, price-current, or other periodical jublication issued in Manilla.

Considering the great fertility and varied productions of the Philippines, and their peenliarly favourable situation for carrying on commeree, the limited extent of their trade may excite surprise. This is naturally and entirely a consequence of the wrotehed policy of the Spanish Government, which persevered until recently in
excluding all forcign ships from the purts of th 1hillppines, confining the trade between themand Mexico and South Americn to a single ship! Ren ships and settlers from Chian were exclas are in the visions,' says Ia Perouse, ' of extremely chenp but eatest abundance here, hardware, and furntur bear an execssively high prir-. The want of eorm petition, together with prohibitions and restraing of every kind laid on commeree, render the proido tions and merchetndise of India and this mithew policy, the effects of which have been adnimh depieted by M. de la Perouse, has been annterial modified, and, it may be hoped, will, under the bee regime of 1868, be entirely changed. Evea ts events of the revolutionary war destroyed for ery the old colonial system of Spain, and of all nations are now fre jhitippines, An unpres dented stimulus has, in consequeace, beeagivo to all sorts of industry ; and its progress will tloubt become more rapid, according as a wit experience and acquaintance with fireigan makes the natives better aware of the adrank of commerce and industry, and disabuses them the projudices of which they bave been soly Vine slaves. It appears from the Report of Vice-Consul De Boseh on the Commerce of fur 180, by means of stenmers had been commers MANNA (Fr, manne; ticr manaaesche: manna). The conerete juice of several speci ash growing in the south of Europe. The exudes spontancously in warm, dry weather, concretes into whitish tears; but the gratet of the manna of conmerce is obtaised by ond incisions in tho tree, and gatheriag the juis baskets, where it forms irregular masses of a dish or browaish colour, often full of implo Manna is imported in ehests, priucipaly Sicily and Calabria. The best is in ohong from 1 to 6 inches long, moderately dry, porous, of a yellowish white colour, and in degree trausparent ; the inferior kinds are n unctuous, and brown. It has a slight heo odour, and a sweet taste, with some degt bitterness not very pleasant, and levivg : seors impression on the tongue. In t vi, " lbs. were imported, valued at 4,7751: and lbs. were exported. (Thomsoa's Dispens British Pharmacopaiu, 1867.)
MARBLE (Ger., Russ. and Lat. marmor; D marmer ; Fr. marbre; Ital, marmo; span. mol). I genus of fossils, composed chiefly of being a bright aud beautiful stonc, mina hard, not giviug fire with steel, fermenting and soluble in acid menstrua, and calcuirg slight firc.

T'he colours by which marbles are disting are almost innumerable. Some are quite others, arain, are of a suowy white; s: greenish; others greyish, reddish, bluish,y \&.e. ; while some are variegated and spote many different colours and shades of colouts finest solid modern marbles are those of Blankenburg: France, and Flanders. Grat tities of very beautiful marble have haf cove ced at Portsoy in Banfflire, and at TY other places in the Westen Isles Kil in Irelund, has abuadance of beantifulby ble intermixed with twhite spots, called d marble. Derbyshire abouads in this Near Kemlyn-bay, in Anglesea, there in of beautiful marble called verde di Cin its also being found in Corsica. Its green, black, white, and dull puypen ing
rom the purts of the ade between them and to a siogle ship! liven were excluded. "Pro of all kinds are in the mad extremely cheap rdware, and furnother The The wht of come tibitions and restraing ree, render the produc vdia and China at ku Iappily, thls minaral) Thave been adnitull se, has beeu inaterial oed, will, uulder the se \(y\) changed. Even t war destroyed for er I Spain, and the shi - admitted into Manil hilippines, An ugper ousequence, beea gir nd its progress will , accordity as a mid tance with foreignt ware of the adrantad , and disabuses them hey have beea sol ron the Repurt of 1 the Commerce of between Manilla had beca commena Ger. mannaeiche; rice of several spee of Europe. The warm, dry weather rs; but the grater e is obtained by ma 1 gathering the ju regular massey of often full of impow ehests, principalit? 3 best is in ohlanis , moderately dry, bite colour, and in ufurior kinds ate ma It has a slight je te, with some derir ant, and leaving tongue. in \(\mathrm{m}_{\mathrm{m}}^{\mathrm{i}}, \mathrm{x}\) ed at 4,7751 , and 867. and Lat. masmor: \(D\) tal, marmo: Span. composcal chietty of uutiful stone, maled th steel, fermenting strua, and calcinitro
marbles aro distiont Some are quite suowy white; shat reddish, blaishy yed ricgated ond spotue md slades of culours rbles are those of d Flanders. Greas marble hare be anffshire, ond at Ty 'estent Isle. ce of beautifalla aite spota, called bounds ia this bounds ia Inglesea, then Corsica. dd duill purple.

\section*{MARITIME LAW}

Lumed ltaly produces the most valuablo while sad its expurtation makes a considerable madh of ber foreygn commerce. The black and do witivewhite marble of Carrara, in the duchy of How, we particularly esteemed.
Tae marbles of Germany, Nurway, and Swedon az refiaferior, being mixed with a sort of scaly reme
Yrote is of so bard, compact, and fine a texturo ymaliy to take a benutilul polish. That most wermed by statuaries is brought from the jsland apmes, in the Archipelago; it wna employed by haides snd Phidias, both of whom were nara of that island; whenco also tho famous monkian marbles were brought. The marble of umis likewiso in high repute amonig senptors. Therecife gravity of marble is from 2,700 to an. black marble owes its colour to a slight ciren of iron.
Lu) We imported 10,263 tons of rough and Whithts of sawn or otherwise mnnutactured whis chiefly from Tuscany, the value of the Wheng 16, Tll .
Luitide LAW. By maritime law is meant direlatimg to harbours, ships, und seauent innisi important branch of the conmmercial ond mantime natiuns. It is divided into a exp of differeat departments; such as those wsent te hatbours, the property of ships, the pacd nights of masters and senmen, contracts duritment, average, salvage dec. The mailling those subjeets treated of under Siteliy fie Progre
lisema of maritime law was Law.-The R Duss several centuries was supplied by ia the most celebrated buthe the Chrisbratpoken in ligh terms of the wis antimau lass: hackily, however; we are not whe forming our opinion upon them, to en ol Stralo. (Ciccratory statements of med Stalo. (Cicero pro Lege Munilia; dases. The laws of lihodes were adopted rithe eatimation linflation of lome ; and diamperer Antoninus, beiney were held, humpeter Antoninus, being solicited to mindedotetel paint with respect to shipspiugre Find it haze answered that it ought to be rathority in such cosey, weth were of paralabe directly at variance with they hapth the Roman law. ('Eyro quideme reguWhe kuman law. ('Ego quidem mundi matris prascrints legis in Ihlodia, qua de wastum legim adveratetur, puatenus progue Augustus judieavit.') Thec idem Whalar with respect to averare conte of a the erent of a sacrifice being safty of the shin and bargo made at sea min the Digest (hiu, xir, tit s) expressly Thatele condlasion seems to be the and the mgalations as to maritime olo, that most smpilations of Justinian burairs embodied tasbe source. The recre been derived ulpted by o!! modern nations as to rit hardy any alteration fons are bormather, as we hare secen from, from the RoTandusive proof of the from the Rhodian Wo ther hat been of the sagacity of those thestic frad been originally framed. The ke in the Digitest the the Rhodian lane rode Rheaiorum. The collection entitled romited by all eritics to be lialle in 1561, fiss modern colle of maritimp spurious.
been compiled at maritime law is said
resentin puins; but whalf, in Italy, a singuished for its commeree, will be for
ever famous for the diseovery of the Pandects, 805 the supposed invention of the of the Pandeets, and The Amaltitan code is said to ber's compass, nominated Tabala Amalp said to have been dobody of law really existoditana. But if such a should never liave been publed, it singular that it extracts from it. s, publshel, nor even any all the anthors who hariestins has shown that thm codo and asserted its refurred to the Amalfitho stutement of Freceia instence, have copled feudis (Collection deccia, in his hook De Sub1. 145); and as Freccia Naritimes, tome i. Ainalitean code contintod to be ths that the Nnples at tho time when to be followed in diflicult to suppose that it le wrote (1:570), it in appeared; and it secins it could have entirely dispeculiar to it has ever most probable, as nothing principally of the reranspired, that it consisted Romnin law, which it is knowid laid down in the ascendaney for a lonier known preserved their Italy than anywhere else. period in the south of But, besides Amaltse.
Genoa, Barcelong, Valt, Venice, Marseilles, Pisa, the Mediterranean Valeneia, and other towns of the extent to which they early distinguished for navigntion. In the abseyce enrried conmerce and mation on the subject, it se of any positive inforpose that their maritime scems reasonable to suporrowed from those of aws would be principally. requisions and modifications as mirt with such requisite to accommodate the might be deemed views of each state. somo other way, it is certain that in this or in flictiag regulations it is ecrtain that various conmuch confusion and ere established, which led to rience of the inconveniencertainty; and the expeless contributed to the Consolato del Mare ounversal adoption of the Nothing certain is as a code of maritime Jaw. code. Azuni (Droit Maritime to the origin of this pp. 414-439, or rather Jorio, Ce l'Europe, tome i. rom whoso work a large propodice Ferdinando, literally translated) contends, in of Azuni's is dissertation, that the contends, in a very able glory of having the Pisans are entitled to the tho greater part, of the consolite of at least the other hand, Don Antonio de Cel Mure. On learned and excellent work de Capmany, in his Bareelona (Antiguo Comercio the Commerce of 1p. 170-183), has comercio de Burcelona, tome i. Consolato was compiled at Barcelona thow that the contains the rules according Barcelona, and that it which the Barcelonese bing to which the consuls places so early as 1268 bad established in foreign cisions. It is certain were to render their deprinted fur the first time the Consolato was and that the early Italian and Farcelona in 150:. translations from the Cataland French editions are sulliciently provel that than. Azbibas, indeed, maritime laws at a very Pisans had a code of several of the regulations in it period, and that the same as those in tho Consolato substantially. not appear that the Barcelonolato. But it does the regulations of the Pisclonese were aware of blance between them Pisans, or that the resemis more than accidental, those in the Consoluto cribed to the concental, or may not fairly be asobtain amoug well-informed can hardly fail to upon the same topies, and ined persons legislating and practices derived from the anced by principles M. Pardessus, in from the civil Jnw. excellent work already referred to volume of his have been sufficiently disposed to, appears to any grounds to to unisposed, had there been favour of Marseilles to the to set up a claim in birthplace of the consolathonour of being the ndmits that such a pretension could he candidly

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\section*{MARITLME LAW}
ported, aul unwillingly adheres to Cnpmany's opinion. 'Quelque Français,' says he, 'quolgue porti par des sentimens de reconnoissance, ru'mu-
 tont ce fili est en fuveur de Marseilles, fe dois reconnoitre framelement que les probablitiós l'emportent en faveur de tharelone.' ('Tome ii, pre 2t.)

Ihat to whichever city the homone of eompiling the Conadite nuy be due, there can be no don:ht that its mutiquity has been greatly exaggernted it is ntlimed, in a preface to the dillerent editions. that it was solemily accepted, subueribed, and promulgatod, as a loody of maritime law, hy the Boly See in 10 ãt, and hy the kiugs of liranee and other potentates at ditferent perionls betwern 1075 and \(12 \% 0\). Llut Capmany, A\%uni, and I'ardessus linve shown in the clearest and most satisfactory manner that the circumstances alluded to in thas preface could not possibly have taken place, and that it is wholly maworthy of atcmition. The most probable oprinion seems to be, that it was compiled, and hegran to be introdneed, abont the end of the 13th or the begiming of the 1 ith eentury. And notwithstanding its prolixity, and the want of precision nad clearness, the correxpontence of the freater number of its rules with the aseertnined principles of justice nud public utility gradunlly led, withont the intervention of any arreement, to its adontion as a system of maritime jurisprudence by nll the nations contignous to the Mediterrnnenn. It is still of hifin nuthority. Cnenregissnys of it, though, perhaps, too strongly, -Consulntus maris, in materiis maritimis, talugum universplis consuctudo habens vim legis, inviohabiliter attendenda est apud ommes provincins et nationes.' (1)iss, 213, 11. 12.)

The collection of sea laws next in celebrity, but anterior, perhaps, in point of time is that demoninated the Roole des Jugements d'Oleron. 'There is as much diversity of opinion as to the origin of these laws ns there is with respect to the origin of the Consoluto. The prevniling opinion in (ireat Britain has been, that they were compiled by direction of Queen Elemor, wife of Jemry If., in her quality of Duehess of Guienne, and thint they were afterwards enlarged nud improved by her son Richurij I . on bis return from the I Ioly linnd; but this statement is now admitted to rest on no frool foundation. The most probinble theory seems to be, that they are a collection of the rules or practices followed at the principnl French ports on the Atlantic, as Bordcaux, lochelle, St. Anto \&e. They contain, indecd, rules that are essential to all maritimo transactions, wherever they may be curried on; but the references in the colle sutficiently prove that it is of French origin. The circumstance of our monarch's having large possessions in Frnnce at the period when the rules of Oleron were collected, naturally facilitated their introduction into England, and they have long enjoyed a very high degree of authority in this country. 'I call them the laws of Oleron,' snid a great civilitu (Sir Leoline Jenkins, Charge to the Cingue I'orts), 'not but that they are peenliarly cnongh Englisi, being long since incorporated into the customs and statutes of our admiralties; but the equity of them is so grent, and the use and reasou of them so general, that they are known and received all the world over by that rather than by any other name.' Molloy, however, has more correctly; perhaps, snid of the lnws of Oterm, that 'they never obtained any other or freater force than those of Rhodes fommerly did: that is, hey were esteemed for the reason and equity found in them, and applied to the case cmertent.' (De Jure Maritimo et Niurali, Introd.)
A code of maritir'e law issued at Wisbs, in the

Nand of ciothland, in the Ihaluic, has lone joyed a high reputation in the North. The of its compilation is uncertain, but it is connpa fively molern, it is true that sune of the crn furists consend that tho laws of Wish older thim the rules of ( Oleron, nad that the ) are chictly eopied fom the furmer! Hut it beed repeatcedly whown that here is mot ao a as the handow of a foundation for this statuang

 Leaguc.') 'The linws of Wixlly are not erata bilder than the latter part of the \(1+\) the no ning of the lith century, and havere nbrius hecril compiled trom the Cuasoluto the Diters rules of Oldem, nod other condes that were the use. ( irotius has spoken of thesc laws in the na Inudatory manter:' 'Que de maritimis neve mys he, "insula Ciothlandiae hahitatoribuyp runt, thintun in se habent, tume efguinitis, tum
 proprio, sed velut gentium jure, utantur.'


Hesides the rudes now mentionced, the nances of the llanse Towns, issued in 1,0 161.1, coutain a system of haws relating to gation that is of great authority. The jud of Danme, the clastoms of Ansterdan sh also often quoted.

A translation of the Law of Olerm, and the Manse 'Towns is given in the 3rid of Malyues' Lee. Mercatirin; but the ellait them in the work of M. P'arlessus is infin superior to every other.
hint hy far the most complete and weli-lli system of maritime jurisprulence that has rppeared, is that comprised in the fanpur or nance de la Murine issued by Sonis Xilit in This excetlent code was compiled direetion of M. Colbert, by indirilaale of trient and lenrning, after \(\dot{r}\) carcful revivion the nucient sen Inws of France and atherova and mon consulation with the lifiennt ments, the courts of admiralts, and the cha of commerce, of the dillerent towne, It whatever expericnce and the wistum of yo shown to be best in the Roman lass, and institutions of the modern maritime Europe. In the preface to his tatative L.aw of shipping, Lord Tenterlen says, reader shonlia be officnded at the frequent ences to this ordinance, I must requat recollect that those references are mate maritime code of a kreat conmercial which has attributed much of iss nativas perity to that cote-a code composed in the of \(n\) pulitic prince; unter the assicics of nad enightened minister; by laborious and persons, who selected the most valuable pris of all the maritıme laws then existiny: and in matter, method, and style, is one of to finished acts of legistation that ever was of gited.'

The Ordinance of 1681 was pablisted is with a detaited rud most claborate coram by M. Valin, in 2 volumes, sto. It is imp which to admire most in this comment learninis or the sound good sense of tie Lord Manstield was indelted fornoinos portion of his superior knowledge of the pr of maritime jurisprudence to a careiis: M. Valiu's work.

That part of the Code de Comares treats of mnritime affairs, insurince dis with very little alterntion, trom the onting 1681. The few changes that have ker not always improvements.
e Ihaltic, has loric the Xorth. Tha -tahs, but it is com that sume of the? the laws of Wislo ron, and that the he lutmer! lbut is it there la bayt no mos uisul for this statem - tome h. In 中Li-k No. 13, arth ' llaner Wishy are note cete et of the 1 the of Y, and have obring
Consolato det Mere, conles that were the of these laws in the e de maritimis ne oe de matitmis neg
die halitamoribusplad t, tume equilatis, tump accole eo, non tany n jure, utantur.' 6\%.) w mentioned, the Why, issued in lum of laws relatiug to thority. The juder of Austerdan

Law of Olern, given in the 3 r t torin; but the olit 1. Y'arlessus is ius
moplete and wellaris isprulence that has 3et in the fanpus 0 at by Louis XTT, in fas compiled , by indivitanls of er a carcul reciana rance and other eow with the differont mirulty; and the cha erent towns. I Id the wisdom of a Roman laws, ad dern matitime sta ce to lis tiative l Tenterdea sars,' ded at the frequent c, 1 must request ferences are made rreat comacreial much of its national code eomposed in tha der the auspices cr; by labonous and he noost valuble pri of then existius: 1 style, is une of the ion that ever was of
681 was published nost claborate cons imes, 4 to. It is imp \(t\) in this conmen good sease of the debted for oo inuay knowladge of the pa anee to a carcitit:

Code de Comutat in's, insurance but ion, fruma the Othing es that have kat 0 es th
ints,

\section*{MaRITYME LaW}

Po gwem or cote of moritime law has ever han and prastices that now obratin autanus. The semene to maritime affiaira have beenget us in practuly en the practices of merchants, the pacipies hand down in the civil law, the law we Wath and Wislse, whe works of dlast lagnish of itnowasile, the judicial decisinns of our own and onisa couratter se, A law se constracted has marement, \(a\) progressive stato of inle pormanient, it correspondy at this susecptihle of mady, perbaps, than any of her system theme more buw with thase universally reystem of marlitmo d patice and gencral sonivenience by whineintes thucting of merchauts abid navigators onerhe be mothated.
the utidutes of Lord Manstleh! did much to atderandpes, and to improve and peatect the arture law of Ebsland, It is also under sprome dindams to Lord stowell. The decisinums of the mar medry, indeed, resplect questams of hentraan wowne out of the contlicting pretens and disalitertals and nentrala daring tho war ender Wi but lae principles and doctrines which he misin treating those guestlons throw a strong ow tray light on those branches of maritime ar it has vecashmally, indeed, been alleredaithe alleration is prohably in some core ne fandel-that his lordship has e legree ta mudh th the claims of belligerents. Still, barent bis judgrients must be regarded, alWo whe the exensable bias, as amonts the nowes mundents of judicial wistom of which ay newen bast. 'They will be contempise ag, Mr. Serjeant Marshall, 'with ap*ebese of argunent, conlightened wisd earninie. te chase heauties of elomgentene wold wim, and t the cotimation of mankind.' hold any place heim Dise.)
nex Rative of the Law relative to Merchant Hob samen,' ly the late Lord 'Penterden, wamitt the talents, crudition, and liberality, tisode uad learned author. It rives withy had oupass a elear and adoirable pives within Themat important branches of our exposition thel may be consulted with equal facility aud nation bo the merchant, the fencral seliular Edelaryer. Mr. Surjemut Marshall has eutered tr f. 4 y into some and has touched upentered marmane law in his work on unon most bis disabsed them with grent learning ande, exir, The works of Ar. Justice Park, Ind What a feve others, are also valuable, Mr. trar the beat the Lea Mcrcatoria of Malynes Warlation best ; and, considering the period of Fwice. \((16 \pm 2)\), is a very extraordinary perWowts with Respect to Importation and lixtmertly to the principles, preceding remarks wraritime laws: Thes, or leading doet inges, atery much moditiese however, have often st and the excessive mu sitatutory enactPraiament suspending, repealinetion of lets - Malr dets, has often invin. or altering and marime law in molmosed our conWhond hera most malurious inextricable Su m, indeed, who is nor the public Eut with the sulbeed, would is not pretty eme tatan extent this abuse has readily inutuine From thas abuse has sotmetimes been bundreds of Acts were pas down to 1786 odithu, diannution, passed, each enacting Atarbaths, bountion, ond change in the enistiger in the customs regulations preorg in the customs. In consensurnce,
the customs laws became a \(\quad 867\) tellighle, that harily une so iatricate nimi uedit tell the exact amount of dut merchant in lifty conld or the conrse to be followed atfecting nuy urdele, charing vint vessels; bela ber in entering or entirely to the clerta onhis obliged to base it culate the amome of custom-honve to mal diow to pruceed so as dinties, and to direct him and the shin! and yet, avo pow hirfeiting the goods of habit in procurine, so powerful is the inthuedy nieions absurditiong toleration tir the inforenes allowed to mo ities, that this momet hourt pur-
 hat been de tenanced as ing for bo yeurs after it the morit of having instopluable. Mr. I'lie has oriler into this changs, introluced sumethintir like separate customs duries exithis maspices, ill the repealest, and new duries existing in 17ni nere mase instarees of chen sulstituted; consist "ere as they conld be ascert equivalemas, so tar at Jeast carrying this measure incel, of the ohd dutity, last Commons passed nure into etlicet, the Ilunso in The regulations as tewer than 3 ,000 resolations. also simplitied. The ad
were very preat. resulting from this monmaro
 that the necessity for and regulations were passed, urain vory urecent for a fresh coumolidation becaue
 was not, honever, in the chectel in 18l9. It only, or in the more artiele eastons department. merchants and shijwe artiele of' duties, that the multijlieity of statutury were bewildered by the not a single l, statheh of regulations. There wis ramsactions that eseancel hue ragulating their Previonsly to 1 so: , no the rase for legislation. had been passed relatine fower than 113 statutes makers and buyers of g to the tishories ; and the posed to be fimiliar with the variunge were supcontradictory remblations emberions obseure and three dets of pirliuncors embodied in the tacutyIbit the enormity of the abing to these articley ! more apmareat ly of the abuse will be rendered following extract froyng before the reader the Committer ontract from the Riport of the Lurde Committer on lioreion Truete in \(18.00^{\circ}\) the Lords' - Before your commitate in 1820.
the poins which have bee proceed to ndvert to of their enyniry, thave been the principal ohjects attention of the llovise to ansions to call the malation and complexity of the excessive accutthe commerce of the count the laws under which which they were forcibly earlient stage of their prompressed in the very passed at different periodseeding. These laws arising ont of ter periods, and inany ol them, as stated in a recorary cireamstances, amomet, upwards ot 2,000 , of whichtation of them, to were in force in 1815 ; and no less than 1,100 been since made. After and many auditions have not appear extraordinary sheh a statement, it will of complaint by the lriit that it should be matter frum the comere in which be inerchant, that, so fitr wtions beimp plati and he is to guide his transable to materuate and sinple-so far from beins himselt of fivourable opepintations, and to avail promptitude tud coutidenees, as they arise, with ditecil to the necessity of resorting frequently reof professional advisers, to asting to the services venture to do. and what he ascertain what he may is able to embark in his coust ayoid, before he with the assurance of beine conmercial adventures serphere of in infraremen secure from the conbe the ease (as is stated to of the law. It this the most cxperienced anong the committec) with in Einstind, in how munong the merchants, even the same perplexity mal greater a degree must oherate in foreigu countries and andon of danger chants, whose aequaintance with on foreign mer-



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must be supposed to be comparatively limited, and who are destitute of the professional authority which the merchant at home may at all times consult for his direction! When it is recollected, besides, that a trivial, unintentional deviation from the strict letter of the Acts of Parlianent may expose a ship and cargo to the inconvenicnce of scizure, which (whether sustained or abandoned) is attended alwnys with delny and expense, and frequently followed by litigntion, it cannot be doubted that such a state of the law must have the most prejudicial influence both upon commercinl enterprice in the country, and upon our mercantile relations and intereourse with foreign nations; and perhaps no service more valunble could be rendered to the trade of the enpire, nor any measure more effectually contribute to promote the objecis contemplated ty the IIouse in the appoiutment of this committee, than an accurate revision of this vast and confused mass of legislation, and the establishment of somt certnin, simple, and consistent principles, to which all the regulations of commerce might be referred, and under which the transactions of merchants engaged in the trade of the United Kilugdom might be conducted with facility, aafety, and conlidence.' ( 1 . 4.)

Since this report was printed, a very considerable progress has been made in simplifying and clearing up the statute law, on the principles Inid down in it. The law as to shipping and navigation has been particularly improved. The principles laid down in the famous Navigation Acts of 1650 and 1660 were, indeed, sufficiently distinct and obvious; but when these Acts were passed, there ware above 200 statutes in existence, many of them antiquated and contradictory, which they did not repeal, except in so far as the regulations in them might be inconsistent with those in the new Aets. But besides these, a number of statutes were passed almost in every session since 1660 , explaining, limiting, extending, or modifying, in one way or other, some of the provisions of the Navigation Acts; so that uitimately there were questions perpetually arising, as to which it was very difficult to discover the precise law. On such occasions recourse was often had to the courts; and the good sense and equity which generally characterised their decisions mitigated the mischievous consequences resulting from the uncertainty of the statute law, and even gnve it the appearance of consistency. This meertninty, however, has been well nigh removed. A bill introducod and carried through Parliament in \(18 \% 4\) repealed above 200 antiquated and contradictory statutes; and the new Customs and Navigation Acts passed in the following year were drawn up with a brevity and precision which do honour to the memoly of their compiler, the late Mr. Hume, of the Buard of Trade. But various alterations having been sutsequently made in the customs laws, new statutes emborying these alterations were passed in 1833, nind agnin in 1845. And a still more perfect and complete consolidation has been effected by the Customs Consolidation Act of 1853 , the \(16 \& 17\) Vict. c. 107. It has the two great recommendations of being at once brief and perspicuous. It cmbraces the whole statute law with respect to the inportation and exportation of commodities, the coasting and colonial trades, smuggling \&c. The law relating to shipa and seamen, which, down to 1854, was in a very confused and contradictory state, has also beell digested under ita different heads, and embodied in two statutes, the Mercantile Shipping Act of \(17 \& 18\) Vict. \(c\). 104, and Merchant Shipping Acts Amendment Act
of \(25 \& 26\) Vict. c. 63 . These stntutes, which conthin no fewer than 626 clauses, might, we think, be advantageonsly compressed; but they are a vast improvement on the previous state of the statute law on the subject.
The most important indern works on Mariti Law are Maude and l'ollock's Law of Merchant Shipping, and l'ritchard's Admiralty IVigest.

It may be wortl while observing, that hardly a session passes without giving birth to more of fewer Aets, making certain ehanges or modifications in the eustoms laws. Where these changes apply only to some particular emergency, without aflueting the general prineiples or rules laid dowa in the statutes, there can be no cloubt that ther should be embodied in separate Acts; but wher any moditication or alteration is to be made the principles of the law, the better way, as in nppears to us, would be to introduce it ditect into the lenting Act on the subject-re-enactin it in an smended or altered form. In no othe way is it possible to preserve that unity an clearness which are so very desirable. The mul tiplication of statutes is a very great evil, not on from the difficulty of ascertaining the exact degr in which one modifies another, but from invariably leading to the enactment of contr dictory clauses. The preperty and transactions merchants ought not to depend upon the sul tleties and niceties of forced constructions, b upon plain and obvious rules, about which the can be no mistake. It would, however, be ide expect that such rules can ever be deduced fro the contlicting provisions of a number of statute those in the same statute are not atrays harmony with eacin other.
MARK or MARC. A weight used in sere parts of Furope, for various commoditios, esp cially gold and silver.
In France, the mark was divided into \(80 z^{\circ}\) 64 drachms \(=192\) deniers or pennywcights \(=4,6\) grains. In Ilolland, the mark weight was a called Troy weight, and was equal to that France. When gold and silver are soll by mark, it is divided into 24 carnts.
The pound, or livre, poids de mare, the weir most commonly used in retail dealings through France previous to the Revolution, was equal 2 mares, and consequently contained \(1602=\) \(\mathrm{drs} .=384\) den. \(=9,216 \mathrm{gr}\). One kilogramme nearly equal to 2 livres. Subjoined is a talu livres, poids de marc, fronn 1 to 10 , conrerted kilogrammes. Any greater number may learned by a simple multiplication and additio



MARK. A term sometimes used among us a money account, and in some other coantriad a coin. The English mark is of a pd sterling, or \(13 s, 4 d\); and the Scotch mart of a pound Scotch. The mark Lubs, or L . mark, used at Hamburg, is a money of sea equal to 14 骂d. sterling.

Mark, Trade: [Trade Mark.]
MARKET. A pablic plice in a cityo where provisions are sold. No market is kept within 7 miles of the city of Ladda; all butchers, victuallers \&c. may hirstalls atandinga in the flesh-markess teer, and meat and other provisions. Ever! pana has a market is entitled to receive all fort things sold in it; and, by ancient wessum things standing in the market, though not but those who keep a market in any other ma ises, might, we think, ised; luat they are a previous state of the
ern works on Maritine k's Law of Merchant 1 dmirulty Digest.
observing, that hardy iving birth to more or ehanges or molificaWhere these ehanges ar emergeney, without ples or rules laid duwa be no doult that they arate Acts; but where tion is to be made in the better way, as it o introduce it directly se subject-re-enactin? ed form. In no othe eserve that unity all y desirable. The mul very great evil, not onl caining the exact degre another, but from is enactment of eontr erty and transactions depend upon the sul reed constructions, of ules, about which the mid, however, be idle n ever be dedued fro of a number of statute ate are not alwars weight used in seree ous commoditios, esp yns divided into \(80 z\) or penuyweights \(=4,0\), : mark weight was al 1 was equal to that d silver are sull by 4 carats. sids de marc, the weim etail dealings throught Revolution, was equal ly contained \(1602=\) Oue kilogramme
Subjoined is a talite an 1 to 10 , converted if eater number may tipliestion and additio .


\section*{Marseilles}
than it is granted, or extort tolls or fees wher wone are dre, forfcit the same. ['isins.] MLLSELLLES. A large commercial city and wort of Frase, on the Nediterrancan, lat 20 \(i^{-1}+9^{\prime \prime}\) N, long. 50 2ef' E. Population in wietincludiug suburbs, 300,131.
fhe pat. now consists of the natural harbour alled 'reas Port,' and the tevo basins formed within the new breakwater, called respectively Phitd de la Joliette' and 'Port Napoléon,' The Hieus Port, about 1,000 yards long and 300 wide, wa kery harrow entrance between two old forts, lat 1 one of the safest ports in the world. indying machines are constantly at work to minain a uaiform depth of about 18 fect hiruhunt the Old Port, which is exclusively mened for sailings ships, which usually lio in nise on the anorth and souta sides, and mostly dwarge their cargoes over their bows on to thi aus. These have been considerably widened ate years. There are numerous tug-boats drays at command for vesscls entering or leaving Abrakwater, 2,400 mètres long, has now been mapleted. It lics of the land on the north side whe old Port, and has a lighthouse on cacli end. helwater caters the port of La Jolince of this heawisater caters the port of La Joliette, to the hethatain about 600 yards long by about 460 rade, It is surrounded on all sides by spacious onacerace of merchandise in railway trucks to tha dock buildiurs and railway station. to Joiette is wsed for steam as well as for sailing rextla of misiderable draught of water; the wide 1 in esernd fout half of the western behoring to the Messageries fleet of steamships dengivg to the Messageries Imperriales.
An openiug with a turning-britge leads from a dolitte to the Port Napoleon, which is consiwauly more spacious than the former. On its od 'd'renc,' with spacious quans, 'du Lazaret' on bis harlour the ships lis quays for the whole. Whis hathour the ships lio broadside on to the wrese, and discharge their cargoes. The great eand iron, six storeys range of buildings of woatining 40,000 tons of general and capable ITth of these artificial ports theral merchandise, wh of water for artificial ports there is ample Wht of rater for the largest ships, but uniorfintely neither of them is very safo when the dows violently from the north-west or theast. The whole, including the old harbour, whets cotaiu at one time as many as 2,000
Theistes of Rattoneau and Pomergues, and that peitell alter the celebrated Château d'If, all knot about a cluster off the port, the latter ation, lattoucau and west-south-westerly ted by a breakwater, and thes are conrenient port, almost mautine service.
Jutside of these
othouse called ' Inlands lies a reef with a loga. \(5013^{\prime} 59^{\prime \prime}\) ' Planier,' in lat. \(43^{\circ} 11^{\prime} 54^{\prime \prime}\) hog. \(5^{\circ} 13^{\prime} 59^{\prime \prime} \mathrm{E}\). It is distant about 43 both of them Le Maire, lying to the east teau d'lf:
to the north of the Port Nopot
t to be called the Phe Port Nanolion another cted, and another breakiverial, is being conexisting one is to ereakwater, in a line with Pindere. emerch
loliete and Port Napolcon, from the ressels in hera at onee be papseon, and even in the Old and fo warded to th interior of these build-
aud any part of the Comt 800
througli the town. There are
docking vessels at Marscilles, infient means for perial will have a large stiles, but the Port Imof Clarke's patent large stone dry-dock, and one vessels.
The custom-honse is on the quay of the Old Port principally is a brauch at port de la loliet, prineipally for the examination of passengers:
The Tribunal of Commerce sits in the Eix
clange, and the judges are periodically the Exected All the principal leading merchants.
head of the Old Port
Vessels app Jort.
generally heave-to for the harbour of Marseilles islands, and they are a pilot on approaching the they take one or not. charged pilotage whether
Frencl ship not
procity treaties, upwards fossels having recipay for pilotage 22 wards of 80 tons burden, and 15 outwards. If centimes per ton inwards, 6 or 7 miles off the pilot is taken on board paid: it is reduced the port, the full charge is miles off, and 3 if 4 if he comes on bourd 2 or 3 entrance of the port. Immediately
taken to the old or receiving pratique the ship is nature of the cargo she harbour, according to the she may have to take in.
The only chate in
Marscilles consists of a sinable on ships visiting Health Office for the bill of sinall payment at the to from 5 to 15 the bill of health. It amounts tonnare to 15 centimes per ton. There are no Ballast is of course, or light dues of any sort
Vessels can be paid for
the charges are hirb repaired at Marscilles, but are as follow :-

Suiling Ships.
Enlering info and leaving the dry dock on francs centimes For every day ber ton ) 8 n Steam Ships,
Entering inte and leaving the dry dock on firnes centime For every day beyonse power the dry dock on the taynes centime power day beyond the first day and jer horse 0
No payment will be received on any
ressel for less than 250 tons.
No payment wi
vessel for less than 60 received on any steaur-steam-vessels whose horse porses' power. Upon 250 horses, the prices abe power exceeds that ot reduced \(\frac{1}{3}\) for every above mentioned will be first and up to 400 , and \(\frac{3}{}\) power above the 250 400. For sailing shing \(\frac{3}{4}\) for all beyond the tirst foregoing prices will be upwards of 1,000 tons, the above the tirst 1,000 be reduced \(\frac{1}{2}\) for every tol every ton above 1,500 and up to 1,500 , and \(\frac{8}{}\) for The approa
lighted, and the service port are admirably charge to the shipping is kept up without aili the hay or at the entrance ofificrent lights in scribed at the end of this article the port are deThe mistral or nort article.
railing one: it blows in west wind, is the prerender the approach to very heavy gusts, which cecdingly difheult to the port of Marseilles exeave the port until it subsides. and vessels rarely. Trade foc, - mit it subsides
antiquity, and has long enj is a eity of great commeree. Ifavre- enjoyed a very extensive being, as it were, the port of no doubt, from it a greater share of the trade of France;
withstanding the increased importanee of the furmer, it has recently been egualled, and sometimes surpassed, by that of Marsedles

Great prosperity has manifested itself here of Jate years, particularly since the namexation of Algeria, aud the growth of the ruilway system.
Slarseilles carries on trade with overy lart of the world. Its principal importaions consist of cilseeds from lntia, the coast of Africa. Eeypt, and the levant ports; raw sugars from the West Indies, Brawil, lémion, Mauritius, mud Manilla; cotton from ligypt and the Levant ; and mueh varied merelandise from all parts. At all times much wheat and grain is bronght here from the Black Sea and Dambe; but when the crops are short in France, England, Spain, or Italy, the quantity imported is very large, and the port and town then assume an extraortinary state of animation.

Marscilles soap, which has long been famons, continues to be largely made in spite of the exorbitant octroi duties and other tifliculties the manufacturers haro to contend with.
The exports from Marseilles consist chiefly of silk fabrics, wiaes, brandies, and liquenrs; woollen and other stuffs, andder, oil, and colonial products, soap, and retined sugar. Of the last-named article as much as 50,000 toms have been exported from Marseilles to the different parts of the Mediterranean in the course of a year.

A very active trade is carried on between Marscilles and Algeria, as well as with Corsica.
The large steam ships of the Messageries Imperiales now connect this port by a monthly service with India, China, Japan, Mauritins, and Réunion, in competition with the Peninsular and Oriental Steam Company.

Two well-equipped life boats lie constantly at the entrance to the port realy for any emergency. The expenses are met by voluntary contributions. Aecorting to Mr. Consul Mark's Riport, the enstorns receipts, which in \(186 \%\) umounted to
\(21,3 \cdot 11,216\) francs, vielled \(20,264,587^{7}\) frauns of \(21,3 \cdot 11,216\) franes, yielded \(20,26 \cdot 1,587\) frames ond in 1866 ; but business was, in consequence of the commercial erisis und a visit of the choleta, very ull throughont the latter year.
A joint-stock bank established here in 1swas has lntterly been eonverted into a 1 rauch of the lank of France; 4,000 shares and \(1,0000,000\) franes of the stock of the latter having been assigned to it proprictors.
These statements show that the trate of Mar. seilles is of much importance; she is, in faet, the principal emporium in Suuth Europe; and it is not easy to say in how great a degree lier trade would be increased, were the lireneh tariff agaia revised and placed on a still more liberal footing:
Account of the Number and Tomage of
French and Forcign Ships which entered French and Forcign Ships uhich eatered and clcared from Marseilles in 1866 .

-There was a large falling off in the foreis shipping which entered and cleared from y seilles during 1866, as compared with the pr ceding year, amounting to about one-sixth:-

'The British shipping shows a remarkable Mark's Report for 1866, printel 1868.) falling off in 1866. In 1865, 241 ressels, collectively of 137,454 tons, entered the port ; whercas Subjoined is a list of the lights prorided 191 ships came here in 1866, and the total the port of Marseilles and its approache tonnage reached 111,703 tons only:' (Mr. Consul
\(\left.\begin{array}{l}\text { 1st. A fixed llght, of the 4th elasc, at the foot } \\ \text { of the round tower of tha Fort St. Jean, on }\end{array}\right\}\)
 on a small round turret
2nd. A varjable light, of the the elass, on the point called Tete du, Nore, between the bay Manted Anse dela PAore, and the.: ot the Tharo, to the right of the entrance to the
 port. On
These two lights are hidden towards the south-west by the projecting hluff or the Pharo

southern point of the breakwater, un a round \(\quad 301^{\prime} \mathbf{1 7}^{\prime \prime}\) E. Visible at 8 niles

island, on a rownd tower
 every haif minute. It is shuoted on a rocky 6 th. A tennporary llght has been erected at the north end of the preat hitakwater, at tho
entrance to the I'ort Napaleon

MASTER. In Commercial Navigation, the annintrusted with the care and navigation of the ship.
Fonmerly none wero - alified to bo masters Brith ships unless natural-born British subines of those naturalised by Aet of Parliament, or jemern or by letters of denization \(d \mathrm{cc}\). But these aninct on longer exist ; and all partics, whether tonn foreiguers, provided they lave the utives ir fiticates (see post), may be selected to bewary certiticates (see post), may be selected to an ine masters.
The the master is the confidentinl servint or agent d the onners; and in conformity to the rules a:d axims of the law of England, the ounters are toud to the performance of cevery lawfial contract bdeby him relatire to the asual employment of rad sip.' (Abbott, Lerd Tenterden, on the Law (Slipping, part ii. c. 2.)
Prin this rule of law it follows that the owners mbeund to answer for a breach of contrnet, though maitted hy the master or mariners against their ruila and without their fault. (1d.) Nor can the sumediency of this rule be doubted. The owners, or sfleting a person as master, hold lim forth to pulic as worthy of trust and contidence; and in wief that this selection may be made with due are and that all opportupities of fraud nad chasiou may be obviated, it is induspensable that cungsion mand be made responsible for lis acts.
The master has power to hypothceate, or pledge, bath bip and cargo for necessary repairs cxeecutea in forimpparts during the course of the voyage; iul reitur the ship nor cargo can be hypothecaseditrpairs executed at home.
The wister has no lien upon the ship for his max orfir moncy advanced by him for stores ermis. In delivering judgment upon a case of this snt, Lord Mansfield said-'As to wages, there is oo particular contract that the ship should beapledre; there is no usnge in trade to that wher implication from the nature ot the dealing. On the contrary, the law has always anidered the captain as contracting personally with be owaer; and the case of the captain has, in ibat respeet, been distinguished from that of all atber perons belonging to the ship. This rule of har may have its foundation in policy, for the kerefit of narigation; for, as ships may be making prot sad earming every day, it might be attended rith grat inconvenience if, on the change of a aitin for misbehaviour or any other reason, he jould be entitled to keep the ship till he is paid. Hotk done for a ship in England is supposed to tedoe on the personal credit of the employer : matricm parts the captain may hypothecate the dip. The defendant might have told the tradesman that be only acted as an agent, and that they mas look to the owner for payment.'
The master is bound to employ his whole time sidatention in the service of his employers, and but at liberty to enter into any engagement for bis om henetit that may occupy any portion of his time in other concerns; and thereforc, if he do sa and the price of such engagement happen to be raidinto the hands of his owners, they may retain the money, and he cannot recover from them.
Ablutt. part ii. c. 4.)
Hilfully destroying or casting away the ship, or par ring the same to be done by the master or manners, to the prejulice of the owners, freighters, or insirers ; running away with the cargo; and toming pirates, are offences punishable by transportation beyond seas for not less than 15 years, Foy imprisoament for not a re than 3 years. [Seames.]
diter the royage has been commenced, the
master must proceed direct to the place of his
destination, without unnecessarilystepping at any intermetiate port, or devinting from the shortest course. No such devitution will be sanctioned unless it has been occasioned by stress of weather, the want of necessary repnir, nvoiding enemies or pirates, succouring of ships in distress, sickness of the master or mariners, or the mutiny of the crew. (Marshall On Insurance, book i. c. 6, s. 3.) 'To justify \(n\) deviation, the necessity must bo real, mevitable, and injerious; nud it must not be prolonged one moment nfter the necessity has ceased. A devintion without such necessity vitiates all insurances upon the ship and eargo, and exposes the owners to mention on the part of the freigliters. If a ship be emptured in consequence of devintion, the merchant is entitled to recover from the owners the primo cost of the gords, with shipping charges; but lie is not entitled it more, unless he can show that the goods wero enlaseed in value beyond the sum nbove mentioned.

If a merchant ship lins the misfortme to be attacked by pirates or enemies, the master is bound to do his daty as a man of courago and capacity, nud to make the best resistance that the com. parative strength of his ship and crew will allow.
lly the common law, the master has authority over all the mariaers on board the slip-it being their duty to obey his commands in all lawful matters relating to the navigntion of the ship, and the preservation of good oriter. lut the master should in all cases use his authority with moderntion, so as to be the father, not the tyrant of his crew. On his return home he may be called upon by action at law to nnswer to a mariner he has either beaten or imprisoned during the course of the voyage ; and unless he show sufficient cause for chastising the mariner, and also that the chastisement was reasonable and moderate, he will be found liable in damages. Should the master strike a mariner without cause, or use a dendy wenpon as an instrument of correction, and death ensue, he will be found guilty, according to the circumstances of the case, eitlier of manslaughter or murder. (Abbott, part ii. c. 4.)

The master may by force restrain the commission of great crimes; but he has no jurisdiction over the criminal. Llis business is to secure hisperson, and to deliver him over to the proper tribunals. [Sthamen.]
Much abuse hnving arisen from masters improperly leaving scamen in foreign parts, various penalties have been imposed on those guilty of sucl\({ }_{1}\) offences. These are specified in detail in the article Seamen ; and it also contains a full statement of the conduct which masters are bound to follow in the hiring of seamen ; in the payment of their wages; in the bringing home deserted seamen from abroad; in the registration of returns respecting scamen; and a varicty of other particulars.
The law makes no distinction between enrriers by land and carriers by water. The master of a merchant ship is, in the eye of the law, a carrier ; and is, as such, bound to take reasonable and proper care of the goods committed to his charge, and to convey them to the place of their destination, barring only the acts of God and the Queen's encmies.
Every act which mny be provided ngainst by ordinary enre renders the master responsible. He would not, for example, be liable for damage done to goods on board in consequence of a leak in the ship oceasioned hy the violence of a tempest, or other accident ; but if the leak were accasioned by rats, he would be liable, for these might have been exterminnted by ordinary care, as by putting cats
on board de．On the same prinelple，if the master run the ship in fair weather against a rock or shallow known to expert mariners，he is responsible ； he ts also liable for any injury done to the eargo by improper or earcless stowage．
The master must not take on board nny contra－ band goods，by which the ship and other parts of the eargo may be rendered linble to forfeiture or seizure．Neither must he take on bonrd any false or colourable papers，as this might subject the ship to the risk of capture or detention．But it is his duty to procure and keep on bonrd all the papers and documents required for the manifestation of the ship and eargo，by the law of the countriea from and to which the ship is bound，as well hy the law of nations in general，as by treaties between partlcular states．These papers and doeuments can－ not bo dispensed with at any time，and are quite essential to the safo navigation of neutral ships during war．［Loo（Ofricial）；Shits＇Pabehs．］
It is customary in bills of lading to insert a clause limiting the responsibility of the mnster and owners，as follows：＇The act of God，the Queen＇s enemies，fire，and cvery other dangers and accidents of the seas，rivers，and navigution，of whatever nature and kind socver，save rish of boats，as far as ships are liable thereto，excepted．＇When no bill of lating is signed，the master and owners are bound according to the common law．［Bills of Lading．］
The most difficult part of the master＇s duty is when，through the perils of the sen，the attacks of enemies or pirntes，or other unforesecn aecidents， he is prevented from completing his voyage．If his ship have suffered from storms，and cannct be repaired within a reasonable time，and if the cargo be of a perishable nature，he is at liberty to cmplay another ship to convey it to the place of desti－ nation．Ife may do the same if the ship have been wreekel and the eargo saved，or if his own ship be in danger of sinking，and he can get the cargo transferred to another；and in extreme cases lee is at liberty to dispose of the enrgo for the bene－ fit of its owners．But，to use the words of Jord Chief Justice Tenterden，＇the disposal of the cargo by the master is a matter that requires the utmost caution on his part．Ie stould alwnys bear in mind that it is his duty to convey it to the place nf destination．This is the purpose for which he has been intrusted with it，and this purpose he is bound to accomplish by every reasonable and practical method．What，then，is the master to do，if，by any disaster happening in the course of his voyage， he is unable to carry the goods to the place of destination，or to deliver them there ？To this，as a general question，I apprehend no answer can be given．Every case must depend upon its own peculiar circumstances．The conduct proper to be adopted with respect to perishable goods will be improper with respect to a cargo not perishable： one thing may be fit to be done with fish or fruit， and another with timber or iron ：one method may be proper in distant regions，another in the vicinity of the merchant ；one in a frequented navigation， another on unfreguented shores．The wreek of the ship is not necessarily followed by an impossibility of sending forward the goods，and does not of itself make their sale a measure of necessity or expedi－ ence ：much less can the loss of the season，or of the proper course of the voyage，have this effect． An unexpected interdiction of conmerce，or a sudden war，may defeat the adventure，and oblige the ship to stop in her course ；but neither of these events doth of itself alone make it necessary to sell the eargo at the place to which it may be proper for the ship to resort．In these and many other cases the niaster may be discharged of his obliga－
tion to deliver the eargo at the place of deatination： but it does not therefore follow that he is author ised to sell it，or onght to do so．What，ilpon，is he to do？In general，it may be sail，he is ？ that which a wise and prudent man will thing most conducive to the benefit of all concemed．In so doing，he may expeet to be safe，beenve th merchant will not have renson to be dissntistied； but what this thing will be，no general ruley can teach．Some regard may be nllowed to the interet of the ship，and of lts owners；but the intereses of the enrgo must not be sacriticed to it．Tran shipment for the place of destination，if it be practicable，is the first object，because that is in furtherance of the original purpose：if that bo impracticable，return，or a safe deposit，may expedient．\(\Lambda\) disadvantagcous salo（and simast every sale by the master will be disadvantameous is the last thing he should think of becun can only be justified by that necessity whied persedes all human laws．＇（Law of Shipping，pat iii，e．3．）

The most celebrated maritime codes，and opinions of the ablest writers，have differed con siderably as to these points，According to to Rhodian lnw（Pand．i，10，s．1）the eaptain released from all his engagements，if the ship the perils of the sen，and without any fault on part，become incapable of procecding on h voynge．The laws of Oleron（art．4），and those Wisby（arts．16，37，55），say that the captain me hire another ship；harmonising in this respect \(x\) the present law of England．The famous Frenc Ordinance of 1681 （tit．＇Du Frét，＇art．11），1ad c Code de Commercc（art．296），order the caplain hire another ship；and if he cannot procure freight is to be due only for that part of the rore which has been performnd（pro vata itineris os acti）．Valin has oljjected to this artich， states that practicnlly it meant only that captain must hire another ship if he would the whole freight．Emérigon（tom．i．p． 4 holds that the enptain，being the areat not onls the owners of the ship，but also of the shippers the goods on hoard，is bound，in the absence both，to use his best endeavours to presere goods，and to do whatever，in the circumstanc be thinks will most conduce to the iaterest of concerned；or what it may be presumed shippers would do，were they present．This，whis seems to be the hest and wisest rule，has been is down by Lords Mausfield and Tenteden，as stat above，and may be regarded as the law of Engt on this point．
The master of a ship is liable for gools of wh she is robbed in part；and the reason，as 1 Mansfield stated，is，lest room shoull be giren collusion，and the master should get him robbed on purpose，in oriler that he might ih in the spoil．The master is，howere，enitle indemnify himself out of the вeamen＇s waga losses oceasioned by their neglect．
The conditions under which seamen and prentices are to be taken on board ship，and obligations of the master with respect io th are fully set forth in the art．Seamex；and it contains，as alrendy stated，full details as to conduct which masters are boond to pura regard to a variety of other particulars
For the duty of the master，as respects onf House regulations，see the articles lyporat and Exportation，Quarantine，sycogl \＆c．，and for a further discussion of this ingor subject，see the excellent work of Lonl Tate On the Law of Shipping，part iii．c． 3 tu；Ch On Commercial Lau，vol．iii．c． 8 tri；md articles Charterpahty，Freigut io

\section*{place of destination} ow that he is author 0 so, What, then, is ay be snid, he is to tha dent man will thinh of all concerned. in be safe, becanse the on to be dissafisticd; no generul rulps cat allowed to the interest ers; but the interes criticed to it. Trandestination, if it be t, because that is in purpose: if that bo snfe deposit, may ba ous sale (and almos Ihe disadinntageous think of, bechuse it \(t\) necessity whieh su Law of Shipping, part
ritime codes, and the ra, have differed em ts. Accordiug to th s. 1) the captain ements, if the ship thout any fault on hin f procceding on he n (art. 4), and those o : thint the captain ma ing in this respect wi The famous Frend Frêt,' art. 11), mad t ), order the caftain e cannot procute on that part of the vory (pro ratâ itineris \(p\) 1 to this sticie, a meant only that it ship if le would e ? rigon (tom. i. p. 4) of the agent not ably also of the shippers und, in the absecce avours to preserve , in the circumstana ec to the intcrest of nay he presumed y present. This, whi isest rule, has beeal ind Tenterden, as stal d as the law of Engly
iable for goods of wh id the reason, as L , rom should be given \(r\) should get him ir that he nuight shy is, however, entited the seamen's rages neglect. which seamen and on board ship, and - with respect to th rt. Seasies; and it d, full details as to re bound to pursu er particulars ster, as respects 0 e articles lyporns rantine, Suroce cussion of this impora work of Lanl Tente part iii. c. 3 ftc C iii. c. 8 du; \(n d\) Freigat

Qualifioation of Masters, Means by vilh MSER
wuld be ascertained.-Considering tho innortney / cluding not merely the ship and 873 arue of the duties which the master of a ship hat employers, but the lives of and groods of his ornuite that nul persous proviome count ries or requite that nil persons, previously to thelr beign מuminated to act in that capneít 5 , slomiled waterg an examination by some public board ratecting their kuowledge of senmanship, and werposes of the various qualifleations necesquinted without their being licensed by should be harh or other competent authorities. by such indinel to think that this practice is cousi are mith sound policy, and we are glad it has been whed in this country. In former editions we Werred ou this subject as follows, viz. :-
There can, unhappily, be no cloubt that the iminnce and incapncity of the mnsters and itriot officers of ships has been a copious source didister. Officers of the navy have to go magh a consse of discipline, and aro obliged to mait to certain examinations as to their proticincy in scamanship. This, also, was the case rith the officers of the East India Company's dis which were exceedingly well navignted. Inthe goolness of their ships, and the protection whe the
theress and men; it not being their skill of wairoficers and men; it not being their practice met to insure. But the musters and officers of oninary merchant ships, eren of those engraged to anr reecific training or pars, are not subjected Esmithingis left to mere individual invest itation. and extetun; and this, as eve to mere individual investigation, depends lmest wholly on accident pore knows, anulp equinalent to it, on the skill, influst is tifenitr tc. of the ship-owner. It is sufficiently, deut thit masters so chosen cannot fail of being to many instances, very ill qualified for being, o many instances, very ill qualined for their ruat of the mischicf 'hence arising ; the metcea assured by gentlemen of undoubted inrudtion, snd extensively connected with the whes of insurance, that nearly half the lope Ios nay be ascribed to the half the losses Hessay be ascriocd to the incapacity and me may be some exagracration in Perlaps Thoing that only a third part, or that 212 but the 630 ressels wreeked in 1841 , were out whgh the circumstances referred to, is not the whing to arert merely to justify Government intermand to areat so great an evil, but to make such The interposition of Ge duty ? wior is rot only absolutely just of in a case of it is coniormatele absolutely juet and necessary, If famons Fremalie to the highest authority, sring article: "Aumance of 1681 has the meda capitaine, maitre ou patoura ci-après Majit navigue, maitre oudant cing ans de mavire, mimé publiquement sur le fait de la et n'ait éte trwé capable par deux ancien la navigation, Hyedes officiers de l'A mirauté et du Professen en Hydrographie, s'il y en a dans le dieu." (Liv Code de A like article has been inserted in remment issucd an and in 1825 the French il, the qualificutions that are specifying, in Me man obtain a certificate of hecessary before mand a ship, cither on a foreign his fitness to te; the persons who are toreign or a coasting , and the rules to be observed in the candi\(\mathrm{on}_{1}\) A similar system herved in the examicis; and we canant entertain been adopted in Hbe of the greatest service were it int that it this country. The authority of the introduced tr great, and the trust reposed in him, in-
woperimm, it has been customary in some countries daty of the pullic to provile, that it as is the bounden
able, that able, that it be not committed to ins practicincapable hands.
- At present the care of passengers may be core of the lives of humbleds of control of nuy sort, committed, withont check or anything of the sort, and without the ir knowing who may be abler, to nuy incapuble blockheari appoint him to n ship. premil on an owner to interest of the owner to No doubt it is for the he can find; but he may boint the best captain correct estimate of the may be unable to form in such a situation ; qualifications necessary for case, hundreds of cireumstances this were not tho blind his judgment, and to inaks may conspire to master who is renlly to inake him sclect a advantage of the rerelininwortliy. Hence the compretent parties, whiminnry examination by certainly atford a potwerfil if made efficient, woulil chance of an unf powerfinl gnarantee argninst the
- We rather incline to being appointed.
occasion to notice this think, should we have future occasion, that it will bent sulject on any some such plan ns that which to amounce this to recommend has been adopted wave ventured glad to say, heen approvedted. It has, we are appointed by the \(U\) approved by the Committeo enquire into the couses of Commons in 1813 to wrecks. "Your comses and prevention of shipingtheevidenr committee, after carefilly weighing the evidenceadduced, consider that, under nill the and prevent the lould materiully promotescience, legislative euactmens of life and property, if a ment, establishiner loce were introduced by Goveruexamining into the local boards for the purpose of racter of all who wish to tics, conduct, and chamates in the merchnist to qualify as masters and mittee further recommenvice. And your comscliools for tho recommend the establishment of the different seaports of teaching navigation in tonnare different seaports, to be supported by \(n\) small to such ports,", , ( \(R\) evied on the vessels belonging This proposal, for subie, p. 4.)
manders of merchant ships to the masters or comcompetent parties, with the view of nination by cheir fitness for undertaking their of ascertaining was adoptedand carricd ing their peculiar duties, cantile Marine Act, the 13 \& 14 Vinder the Merstatite authorised the Board 14 Viet. c. 93 . This Local Marine Boards in pord of Trade to establish Local Marine Boards in perts having 30,000 tong boards were emps trading to foreign parts. These for the situation of ered to examine all candidates before them, in such masters and mates who came seamanship, navigntion subjects connected with as the Board of Ttion \&e., and in such manner event of the examiners maing prescribe. In the proficiency, they are to being satisfied with their competency.' These to grant them 'certificates of either from evidence, however, may be caacelled the incompetency of the subsequently had of drunkenness, tyrinny the parties or of their on January 1, 1851 , since which Act took effect going ship has been cleared out without no foreignand mate or mates being aunlif without the master statute. And there can be no docording to the plan be properly carried out, and thubt that if the be made sufficiently strict, and the examinations be productive of a strict and searching, it wifl otherwise-that is, if certifical of good; but if competent parties- it will bates be given to inand will serve as a clonk be decidedly injurious, and presumption mar be ader which igoorance where skill and caution are indispen to situations
would be a deplorable result; and we are sorry to lave to say that some of the very worst shipwreeks that have recentiy oceurred have been oceasioned by what would appear to be the gross incapacity of masters holding tirst-class certifieater. 'This is a mattor that renuires to be carecully enquired into. Sham examinations are not a security against inmosture, but a leviee to make conthbine be given to those who are unworthy of any. The exinting statutory regulations in regard to this important subject are embodied in the Mercantile Shipping Aet of 185, the 17 \& 18 Vict. e. 104, and are as follows, viz. :-

Examinations to be instituted for Masters and Mates.- Examinations shall bo instituted for persons who intend to become masters or mates of foreign-going ships, or of home trade passenger ships, or who wish to procure certifleates of competeney hercin after mentioned; and, sulbject as herein mentioned, the Loeal Marine loards shall provide for the exammations at their respective ports, and may appoint and remove and re-appoint exaniners to conduct the same. and may regulate the same ; and any members of tho Lecal Marine Hoard of the place, where the examination is held may be present and assist at any such examination. (Sec. 131.)

Pourers of Board of Trade over Examinations. -The loard of 'Tade may from timo to time lay down rules as to the conduct of sueh examinations and as to the qualifications of the applicants, and such rules shall be strictly adhered to by all examiners; and no examiner shall be apponted unless he possesses a certiticate of qualification, to be from time to time granted or renewed by the Board of Trade; and the sanction of the Board of Trade shall be necessary, so far as regards the number of examiners to be appointed, and the amount of their remuneration; and the loard of Trade may at any time depute any of its officers to be present and assist at any examination; and if it appear to the Board of Trade that the examinations for any two or more ports can be conducted without inconvenience by the same examinets, it may require and anthorise the Local Marine Boards of such ports te act together as one bonrd in providing for and regulating examinations and appointing and removing examiners for such ports. (Sec. 132.)
Fees to be paill by Applicants for Examination. -All applicants for examination shall pay such fees, not exceeding the sums herein specitied, as the Board of Trade directs; and such fees shall be paid to such persons as the snid board appoints for that purpose. (Sec. 133.)

For a cerincate as Master \(2 \boldsymbol{2}\). - For a cerincate as Mate 14.
Certificates of Competency to be granted to those who pass.-Subject to the proviso after contained, the Board of ' C ' ade shall deliver to every applicant who is duly reported by the local examiners to have passed the examination satisfactorily, and to have given satisfactory evidence of his sobricty, experience, ability, and general good conduct on board ship, a 'certificate of competency' to the effect that he is competent to aet as master, or as first, second, or only mate of a fereign-going ship, or as master or mate of a home trade passenger ship, as the case may be; provided that in every case in which the looard of Trade has reason to believe such report to have been unduly made, such board may remit the case either to the same or to any other examiners, and may require a reexamination of the applicant, or a furtleer enquiry into his testimonials and character, before granting him a certificate. (Sec. 134.)

Certificates of Service to be deliveved to Persons
who served as Musters or Mates before 18 in deCurtileates of service, diftering in form from certifieates of competency, shall be granted as followi (that ly to say): -
1. Every person who befure the Ist dind of Jannary, \(18: 5\), servel as master in the bititith mery chamt sorvice, or who has attained or athaus th rank of lieutenant, master, paseel mate, of secon master, or any hifher rank in the service of Mnjesty or of the East Luclin Compray, hall is entitled to a cortifleate of service as natar foreign-going ships:
2. Every person who before the lst day of dana ary, 1851 , Rerved as mate in the British merchan service shall be entitled to a certificate of serie as mate for foreign-going ships:
3. Every person who before the Ist day of Jat ary; 1804 , has served as master of a home tra passenger ship, shall be entitled to a cerifica of service as master for home trado passeas ships:
4. Every persous who before the 1st day of Ja ary, 1854, has served as mate of a home tra passenger ship shall be entitled to a cetillats service as mate for home trale passenger ships
Aud each of such certifieates of service contain particulars of the name, place, and time birth, and of tho length and nature of the perii service of the person to whom the same is livered; and the Board of Tradeshall delivers certificates of service to the various persont respectively entitled thereto, upon their por themselves to have attained such rank or to served as aforesaid, and upon their givug a and satisfactory account of the particulars said. (Sec. 135.)
No Foreign-gning Ship or Home Trude Pase Ship to procced to Sea without Cerlificates of Master und Mutes.-No fureign-going shí home trade passenger ship shall go to sal any port in the United Kiagelom uales mnster thereof, and in the case of a foreignslip the first and second mates or oniy mat the case may be), and in the case of a trade passenger ship the first or oaly mat the case may be), have oblaiaed snd posses certificates either of competeney of service s priate to their several stations in sueh ship, \(a\) higher grade; and no such ship, if of \(b\) burden or upwards, shall go to sca as afoy unless at least one oflicet besides the masto obtained and possesses a valid ecrififate priate to tho grade of only mate therin er higher grade; and every person who, haring engaged to serve as master or as first or seex only mate of any foreign-going ship, ot ss 5 or first or only mate of a home trade pas ship, goes to sea as aforessid as such mas mate without being at the time eatitled possessed of such a certificate as hereia mo or who employs any person as master, o second, or only mate of any foreign-going as master or first or ouly mate of a bom passenger ship, without ascertaining that t the time entitled to and possessed of such cate, shall for each such offence ineur a not exceeding 50l. (Sec. 136.)

Certificates for Foreign-gaing Shipu crai Home Trade Passenger Ships.-Erety cer of competency for a foreign-going ship deemed to be of a higher grade than thewan ing certificate for a home trade paseng and shall entitle the lawful holder tbend sea in the corresponding grade in sach tioned ship; but no certifieate for a bose tis senger ship shall entitle the holdertogot master or mate of a foreign-going ship. ( \(S\) :
lates befure 1801 \$ccury in form frum cesare the 1 st dian of Janto er in the brition merattained or attains the passed mate, or sectond \(k\) in the service of his lial Company, hall t survice as master
ore the 1at day of danu in the british merchan a certificate of seric hlps: pos The 1st day of Jan naster of a home trad
antitled to a cerifical home trade pascuat
fore the 1st day of Jat mate of a home tis ititled to a certiflcate trade passenger ships: ificates of service s name, place, and time ad nature of the premi whom the same is 'Trade shall delivers) the various persons reto, upon their pror red such rank or to h upon their giving a of the particulars a
or Home Trade Pareat sithout Certificates o o foreign-going shif hip shall go to ses x Kingdom unless te case of a foreign-e 1 mates or oniy mat in the case of a e first or ouly math wained and possess peteney or service ations in such ship such ship, if of 10 11 go to sen as sis er besides the mast a ralid cerificate only mate therine of - person who, hariac. ster or as first or sex n-going ship, or as If a home trade pas oressid as such mas the time entitled ifiente as herein :a person as master, of any foreigu-going oly mate of a bout ascertaining that ascertainiag os suxb ch offerse incur al e. 136.) gn-gring Ships amil - Ships.-Every cern oreign-going sip : grade than th ome trade paseag wful holder thend ig grade in such in ifieate for a buectir e the holdetwgy ign-going silip

\section*{MASTER}

The Rivisistrar t, record (Irants, Cuncellations \&e of enfifectes,-All ecrifleates, whether of comphoty or service shall he made in duplicate, atinai part shall be dellvered to the persom eat gilit to the certitieate, and the other shall be art an! Reorled by the hefist rar-ficheral of Seaprof br anch other persen as the Board of Trade ypints for that purpose ; and the Board of Trade bial fire to such registrar or such other rave mendite notive of all orders made by it for cranathers suypending, altoring, or otherwise affecting ar cerificite in pursuance of the powers herein mantel: and the registrar or such other persoun wifudid shall therenpon make a correspondin els in the recond of certilicates: and a couy matis to be certified by such. registrar or his wetan or by such person \(a_{\text {. }}\) aforesain of his ruiticate shall bo primat facic evidenco of mederifizate, and a copy purporting to bo so rexied as afiresuid of any entry mado as aforeein in respet of any certifieate shall be primat bue eridence of the truth of the matters stated surde eatry: (Sec. 138.)
In cont of Loss, a Chapy to be granted.-Whenderme master or mate proves to the satisfaction dobe Buan of Trule that he has, without fault ay anery arinted to deprived of any certilibill apoa payment of such fee (if any) Trade dirth care a eopy of the eertiticate to which br the roord so kept as aforesnat he which to te eatited, to be made out and cortappears dromedid ad to be delivered to him; and any opp wicd purports to be so made anit certitiod (Sni 180 ) (5n. 138.
Pastiss for False Representations,-Every resun who makes, or procures to be made, or uppes of abtaining for himself entation for the upow a fobtaining for himself or for any other Nas cortiticate, sssists in in of competeney or service, Mal logres, sssists in forging, or proenres to be, hif altering or ply aters, assists in fraudutacesany such certifleate or any official contly froch certificate, or who fraudulently copy of Id arr sach certifiente or any copy of ly makes ritate which is forged, altered, cancelled such mode or to which he is not justly entitled, or cotandulently lends his certificate to or allow dusfacto be used by any other person, shall for contace be deemed guilty of a misdemeanor. Be the prorisions of the Aet 25 and 26 Vic . othe masters and mates in meproficiency leteaded to engineers in in merchant ships unfes being engineers in steam vessels, the linthe case payable on examination as are be following masters aud mates. mellowing clauses are from a subsequent frovenduct statute:-
dmennor,-Any master of or Life or Limb a matice belonging to Anster of or any seaman or Naice beanonging to any British ship who by tarddruakenness, does any nect of duty, or by dinite loss, destruction, or serious ting to the thip, or teading immediately to damage of Hifer limb of any person bely to endanger daf sueh ship, or who by wilful bre or on , or by neglect of daty, or by breach of remene, refases or omits to do by reason of rand shinusite to be done by him for preserv ach ship from immediate loss, for preservrious damage, or for preserving any po ortion, cing to or on board of such ship from person danger to life or limb, shall for om imme-

875 233.\()\)

Any eourt hatimiralty Courls to remove sfater hor Majesty's domhnions ingurisu'ction in any of diction owner of any ship bay, tpen application diction of such cont, or by the wart on the jurissignee, or by the dgent of the part owner or concertitieated mate, or by of the wwher, or by any erew of such ship, and upous-third or more of thi satisfaction of such and upon prout on oath to the master of such ship is nethat the removal of tho cordingly ; and may is ucessary, remove him owner or his agent, or the with the eonsent of the or if thare is no owner or consignee of the ship, consignee of the shiper or agent of the owner or the conrt, then without with the juristlietion of new master then without such consent, appoint of order master in his stead; and may also males and a costs in the matter, as it such security in respect of Power to matter, as it thinks flt. (Sec. 210.) tency and Miseonetuet, Cases of alleged Incompe any Local Marine Board the Board of Trade or that any master or mate is from incon to believo miscondinet unfit to discharro incompetency or Board of Trade may either ingtitute his duties, the tion or may direct tho either institute an investiganearest to the place at wheal Marine board at or for the parties and witnech it may be convenient the same, and thereupon such and to institute Board of Trade may appoint flech persons as the as tho case may be, the Local for the purpose, or, with tho assistance of a local Marine lloard, shall, trate (it' any), and if there is no such inry magisof a compotent legal assistant no such magistrate, the Board of Trade, conduct the to be appointed by may summon the master or the investigation, and shall give him full opportunity to appear, and fence cither in full opportunity of making a dethe pirpose of such investimatise, and shall for powers given by the first portion have all the spectors appointed by the part of this Act to intmay make such order the Board of Trade, and such investiguch order with respect to the costs of shall on the conclusion they may deem just; and a report upon the case to the investigation make in cases where there is ne Board of Trade; and before which the parties no Local Marine Beard veniently attend, parties and witnesses can conBoard is mwilling to institute the Local Marine the Board of Trade may stituted before two justice direct the same to be intrate; and theroupon such or stipendiary magisconducted, and the result investigation shall be same manner and with the same reported, in the with which formal investigntione powere in and casualties are directed to results thereof reported to be conducted, and the tained in the eighth part of the provisions conthat, if the Board of Trade so directs, save only bringing the charge of incompects, the person conduct to the norge of incompetency or misbe deemed to be the party Board of Trade shall the case. (Sec. 241.) party having the conduct of Board of Trade
cates in certain Cases suspend or eancel the -Tho Board of Trade may petency cr service) of certificate (whether of comfollowing cases; (that is master or mate in the 1. If, upons ; (that is to say,)
of the last preceding section, made in pursuance incompetent, or to have been, he is reported to be act of misconduet, drunkenness, guilty of any gross 2. If, upon any investigation or tyranny. the provisions contained in the conducted under Act, or upon any investigation eighth part of this court constituted as hergation made by a naval court constituted as hereinafter mentioned, it is

\section*{Master}
reported that the loss or abamionment of or se:lous damnge to any ship or loss of tife lans been cnused by his wrongfut act or defuilt.
3. If he is superseded by the onder of any Allmiralty Court or of any naval court constituted an hereinatiter mentioned.
t. If he is shown to have been convicted of any offence.
5. If, upon any investigation made by any court or tribunal authorised or hereafter to be nuthorised by the legislative authority lin uny liritlsh gosmession to make enquiry into charges of inconpeteney or miseonduct on the part of masters or mintes of shijps, or as to shlpwrecks or other casualties allecting ships, n report is made by such court or tribunal to the effeet that he has been fuilty of any gross net of misconduct, Irunkenness, or tyramy, or that the loss or abandonment of or serious damage to any ship, or loss of life, has been caused by his wrongfui act or defuntt, and such report ls contirmed by the governor or person administering the government of such possession.

And every master or mate whose cirtiticate is enucetled or suspended sland deliver it to the bonrd of Trade or as it directs, and in default shall for each offence incur a pennity iot exceedjing 501, ; and the lloard of Trade may at any subsequent time grant to any person whose certitheate has been cancelled a new certitiento of tho same or of any lower grade. (Sec. 242.)

In 1855 the Bonrd of Trade issued the following notice of the examinations under the Merchant Shipping Act, viz.:-
1. Under the provisions of the Merchant Shipping Act, 1851, no 'foreign-going slip' or 'home trade passenger ship' can obtain a clearance or transire, or lefally proceed to sen, from any jort in the Uuited Kingdom unless the master thereof, and in the ease of a foreigu-going ship the lirst and second mates or only mate (ns the case may be), and in the case of a 'home trade passenger ship' the first or only mate (as the ense may be), have obtained and pessess valid certiticates, either of competency or service, approprinte to their several stations in such ship, or of a ligher frade; and no such ship, if of one hundred tons burden or upwards, can legally proceed to sea unless at least one officer besides the master has obtalned and possesses a valid certiticate, appropriate to the grade of only mate therein, or to a higher grade; and every person who, having been engaged to serve as master, or as lirst or second or only mate of any 'foreign-going ship,' or as master or first or only mnte of a 'home trade passenger ship,' goes to sea as such master or mate without being at the time entitled to and possessed of such a certifiente as the Aet requires, or who employs any person as master, or tirst, second, or only mate of any 'foreign-going ship, or as master or ilrst or only mate of nuy 'home trade passenger ship,' without ascertaining that he is at the time entitled to and possessed of such certilicate, for each offence incurs a penalty not exceeding 501.
By a 'foreign-going slip' is meent one which is bound to some place out of the United Kingdom beyond the limits included between the river lilbe and IBrest; and by a 'home trade passenger ship' is meant any home trade ship employed in carrying pnasengers; and it is to be observed that foreign steam ships when employed in carrying passengers between places in the United Kingdom are subject to all the provisions of the Act, as regards certificates of masters and mates, to which \(P\). steam ships are subject. (Sec. 291.)
2. F ertificate of competency for a'foreigngoing is to be deemed to be of a higher

Ghome tran the cerresponiling certificate fin
 in such lant-mentioned shius: Cutreyporalling grale a 'home trado passeoger ship)' entitles thach th to go to sea as master wr mate of a dorngn-bum ship,'
3. A certiticate of acrvice entithon an ufie who had nlrendy served as either master of mate in a lbritish foreigu-goins: shif, before the ! Jananary, 185 s , or nes master or mate in a trule passenger sinip before the Int Jnumary to serve in those eqpacities ngain; and it in w titles mu ofleer who has nttnitued or attains rank of licutenant, master, pussed nate, of men master, or any higher rauk in the servine of Majesty or of the East India Company, to st as master of a lritish merchant whip, and may lud by application to the Regristrar-dielical Semacn, Custom Ilouse, London, of to any sthing master in the ontports, on the transmission verifiention of the necessary certificales and monials.
4. Certificates of competency will be gmat those persons who pass the reyulsite exan tions, and otherwise conjly with the requit conditious. For this purgose exaniane been appointed under tho lacal Marine Bu and arrangements have been made fur hald the exuminuntions at the under-mentionel upon the days spechied against them; and days are so arranged for general convenience, a caudidate wishing to proceed to sea, and mis the day at his own port, may proceed to ano port where an exnmination is conoing fint Tho days for commencing the exannination tho various ports are as follow:-
\begin{tabular}{|c|c|}
\hline \[
\begin{aligned}
& \text { Muces } \\
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\end{aligned}
\] & - Frlanya anu Saturdays in the fre e \\
\hline Pelfant- & 1 sta and \\
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\hline Ilancleet & Saturday in tech wekr. \\
\hline diaskowt & -) Thurnday, held alternaty at ectip puat \\
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\hline & 2nd \\
\hline L.iverpwolt & Mond \\
\hline London \(\dagger\) & slonday, livedis, and Welr katlon; Thurxday, Fridxy, \\
\hline Newca & lit day of ta \\
\hline \({ }_{\text {Sumblerlandt }}\) & \\
\hline ht & 3rd Wednemay In lach me \\
\hline
\end{tabular}
5. Appliennts for examination must gire names to the shipping master or to the Marine IBoard at the place where they int be examined, on or before the day of examin and must conform to any regulations in th spect which may be laid down by the Lowl Board; and if this be not done, delay may casioned.
6. Testimonials of character, and of :o experience, ability, and good conduct on ship, will be required of all applicaats, and producing them no person will be examing such testimonials may have to be forwardel office of the Registrar-fiencral of Seamen if don for verilication before my certificales pranted, it is desirable that caadidates lodge them ns ear!y as possible. Cpen app to the shipping master candidates will be with a form, which they will be required and lodge with their testimonials in the the examiners.
7. The examinations will commeneand forenoon on the days before medtiond continued from day to day until ill the dates whose names appear unen the
ding eertificate fur 2, and entitles the law. de eutresponding srale a but no certibitate fan hip' entithers the lowder aute of \(n\) + forelign-guin
viee cutitles an office 3 either maxter of ma big ship betore the is ter of mate in a lu e the the Janhate, Ne; again; and it alwe attained of attaisat , prassed mate, of ere ik lof the service of \(h\) aditi Cumpany, to und rehunt ship, uind may te lemistrat-Cincrail ondon, or to any shipp on the transonssion ry ecrtilicates and
tency will lee gratel the requisite exami uply with the refuil urjose exaniues - lacal Marine Bas been made fur hold a under-mentionel p against them; and t general convenioce coceed to sea, and mir may proceel to ano thurs is conning form ing the exanination ollow :-

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Pueskon in earh mont \begin{tabular}{l} 
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\end{tabular} in exh month.
Churday in each monts ach wetk.
in earh monath. n earh month,
and
and suth nex'ay, Thurdily, and needsy, and Weinedar, hurxidy, Fridys, and sa
imination must \(p\). - master or to the lace where they int the day of examin ny regulations in th down by the Loxal. ot done, delay may
haracter, and of to d good conduct of all applicante, anis son will be examing have to be formardey Jencral of Seamed it ore eny certifintes le that caadidates possible. C'ponapp candidates will be \(y\) will be erguired estimonials in the will commeneurl bofore meatiocech 0 day until ill be appear unon be
sytu's list on the day of cxamina nuel she qualifications required for the several sumbermentioned, are as follows:-
 phater fonkign-gotya sillte.'
(b, ind must have been four years at meen years of htorigution. - lice must write al sea. a dolvatand the four lirst rules of grithonit, withe wee of lurarithomes. onat the coursea steered for manat be able to nran find the difference of latitude and lenthe thenfrom; be able to correct the sum's logiciatiss fot longitude, and thad his latitude by wrima alitade of the sun; and work such othy enfpllems of a like mature as may be put to gibetle to oherwo with he ase of the sextant In samanship,-ile must give sativfuctury. Lewes as (1) the rigging and unrigging of whing wass of holds, de.; muat understand his, panment of the log-line, glass, and lead-line; thonersant with the rule of the rond, as regarids pod thamess and sailing-vessels, and the lights mentiby them.
(a) in (0xly Mute must be cighteen years of cusd bare been four years at sea.
budaryation. - In uddition to the qualification Whe weth day's mork, anl oniy mate naust be earing und distaace of the port, including the armon wistaace of the port he is bound to y yenum method. Ile must bo ablo to obrevese thalate the amplitude of the sun, and knathow how to lay off the place of the shin. tsedar, both by bearings of known obe ship Thratatule and longitude. IIo must be able oes extant and determine its crror, and to motime at full tind of high water from hiswmonstip, -In addition to
Imond mate, he must know how to is required asond mate, he must know how to moor and rator: to stow a holear anchor; to carry oue themes in the ship's and to mako the re7) A hess Me thip's log.
fud hare sorved five bears nineteen years of rar must have been as years at sea, of which 4tas both. Service in a superion or only 4 asea to be equivaleut to serior capacity is rexpacty. Parigation.
Mad for an ority aldition to the qualification freuimaths and mate, he must be able to are chronometers and compute the variation; to the longitude by them from their rates, and *sn; to work the them from an observation 4s sua of the meridian and single altitude wise the soxtant by the sun be ablo to use Mamanship,-In aldition sun.
medforan only mate, a more the qualification dseamanship will be rere extensive knowYas and salls, manariny a do as to shifting wet taking in and naking a ship in storıny asits de., and getting carro in shifty yards mbearr spars and weights, anchors and ont; Wort casting \& ship on a lee-sbore: anc., in the masts is the event of accident and se-
A Hister must be twenty
re teen six years at sea, of which years of age, uare beea as tirst or only mato, and one year pond mate; or two years os first, and one year
2in a superior capacity is in and only mate.
feal to service in an inferior capacity to be heave the log.

MASTER
In addition to the qualifleation 877 He mint be able to thin the latitular a trat mate, Te will be asked questions as tutule by a star \&e. attraction of the ship's lron upon the nature of tha as to the metho. 1 of determinine compas, mud possess a suthient onetermining it. Te mast 'tuired to do by law, as to eutry what ho is reand the management of his entry and dliseharige, and entries to be made in thew ; as to penaltie will be puestioned as to ill tho ottlelal ing. II \(I_{0}\) charter-party, Llos'l's ngeut knowledge of invoices, of bottonry, and he mant be and as to the nature leading lights of the mhat be aequainted with tho tomed to navigate, or whinno! he has beon accus-

IIt cases where an whieh he is going to use master oriliunry has applicant for a certilleato as righed vessel, and is inty served in a fore and aft of a square rigred westel bint of the management cate ou which tho words 'f he may obtain a certifiwill bo written. This is fore and aft rigged vessel mates, who, boing this is not, however, to apply to the fiture to learn youmper men, are expected for
(e.) An Extra, Masten's Ess completely. tended for such persons as Examinatron in insuperior qualilications. Before beine prove their for an extra master's certificate being exansined havo served one year cither as a mplieant must orlinary certitleate of \({ }^{\circ}\) either as a master with an having a first class of competeney, or as a master the former Boards of Examiners. granted by one of In Navigution - Examiners. .
masters will commanil frequently which such ages, to tho East Indies, thently make long voydidate will be required to work a lific \&c., the can by both sum and star, to to work a lunar observatlon the inoon and star, by Polar stare the latitude by and also by double altitur star off che meridian verify tho result by Sumner's of the sun, and to be able to calculate the altits method. He must when they cannot the altitudes of the sun or star lunars, to find the error of a war the purposes of of equal altitudes, and to wateh by the method
bserved with an artidiciat to correct the altitudes He must understand how horizon.
the deriation of the compass: observe and apply set and rate of the current from and to deduce thio servation. He will be from the D. R. and ob nature of great circle sailine to explain the apply practically that knowled, and ke sw how to be required to go into the calcue; but he will not be acquainted with the law calculations. He must know how he may prubably of storms, so far as to common to the East and as hurricanes. In Neamans
consist of an enquiry ine extra examination will party to beave a ships down in competency of the betalling her abroad. to down, in ease of accident heavy weights in and ont; lower masts and other and as to his resources out; how to construct rafts, ship's crew in the eve for the preservation of the operations of a like crent of wreek, and in such consider necessary.
Quidifications for Cempificates of ComSun's.' Fon 'Home Thade I'Assenger (a.) A Matemust writen \(l_{\text {g giblehand }}\) and stand the dirst four rules of arithmetic, and underdescribe and serstand the rule of the He must mescribe and show that he understand road, and miralty regulations as to understands the Adable to take a bearing by compass, He must be the ship's course on a chart. If compass, and prick off marks in the lead line, and ife must know the
(b.) A Masteris must have serven

Master
mate in the foreign or home trade. In addition to the qualithentions required for a nuate, he must show that he is capable of navigating a ship along any const, for which purpose he will be required to draw upon a elart produced by the exnininer the coursis and distances be would run nlong shore from headland to headland, and to give in writing the courses and distances corrected for varintim, and the bearings of the headlands and lights, nad when the courses should be altered either to elear any dungers or to adnpt it to the const. He must understand how to mnke his soundings according to the state of the iide.
geneflal rulfa as to examinations and feef.
9. The eandidntes will be nllowed to work out the warious problems necording to the method and the tables they have been acenstomed to use, and will be nllowed tive hours to perform the work; at the expiration of whieh, if they linve not inished, they will be declared to have fniled, miless the Local Marine Board see fit to extend the time.

\section*{FEES TO BE FAID BY APPLICANTS FOR} EXAMEATION,
10. The fee for examination must be pail to the shipping mnster. If a candidnte fail in his examination, lialf the fee lie has pnid will be returned to him by the shipping master on his producing a theument whieh will bo given him by the examincr. 'lis fees are as follow:-
\begin{tabular}{|c|}
\hline \multirow[t]{5}{*}{} \\
\hline \\
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\hline \\
\hline
\end{tabular}

For 'IIone trade Passenger Ships.' Mate
Mister
\(: \begin{gathered}010 \\ 1 \\ 0\end{gathered}\)
11. Any one who las been one year in possession of a master's first-class certiticate granted by one of the former boards of examiners, or of an ordinary master's certiticate of competency granted nuder the present examiners, mny pass an extin examination, and receive an extra certificate in exelange for his former one, without payment of any fee; but it he fails in his first examination he must pay half a master's fee on lis coming a second time; and the same sum for every subsequent ittempt.
12. If the applicant passes, he will receive a doenment rom the examiner, which will entitle hins to receive bis certiticate of competeney from the shipping master at the port to which he has directed it to be forwarded. If his testimonials hnve been sent to the registrar to be verilied, they will be returned with his certilicate.
13. If an applieant is exomined ior a higher rank and fails, but passes an exnmination of a lower grade, he may receive a ecrtificate acer dingly, but no part of the fee will be returned.
14. In all cases of complete failure the candidate inust be re-exnmined de novo, and in case of failure in seamnuship a candidute will not be reexamined until atter a lapse of six months, to give him time to gain experience.
15. As the examinations of masters and mates are mnde compulsory, the qualitications bave been kept as low as possible; bat it must be distinetly understood that it is the intention of the lonard of Trade to raise the standard from time to timse, whenever, ns will no dombt be the case, the genernl altitimments of otheers in the merchant service shall render it possivie to do so without inconvonience; and officers are strongly urged to employ

\section*{MASTICH}
their lelsure honrs, when in port, in the aequin meut of the know ledge necessary to emable the to pass their exnminations; and masters will well to permit apprentices and junior otticers attend schools of instruction, and to afford shem muela time for this purpose as passib!?
eximinations in stean,
16. Arrangements lave beea made for git to those masters or first or only mates who pie certilicates of competency, or who may apply such cartilicates, and who desire it, an opponni of undergoing an examination as to their practi knowledge ot the use and workine of the the engine. These examinutions will be cordme muder the superintendence of the be condual Boards, at such times as they may appoint fort purpose; and the exnminers will be stlected the Board of Trade, from the engineer surve appointed under the Act. The examination not comprise intrieate theorctical questims, will lee such ats to satisty the examiner that njplicatit is competeat to control the wotking the engine, nad has such a knowledge of the hary parts of the machinery as will enable ti julge of the nature of mis aceident, and, in absence of the enginecr, to give the nete directions in the engine room. The practioe be as follows: Tho applicant nust deliret to shipping master a statement in writige to effeet that he wishes to 'se examined in If he is about to prss an examination in na tion, the statement must be on or nuncesed form prepared lor that purpose; it the apilite has a certiticate of competency the statement be delivered to the shipping master with lis tificate, so that due notice may be given to examiner, ard so that the board of Ir receiving it may have the means of indonit his certitiente inal recording the faet that 'Passed in Steam.' lle must nlso, at the \(C\) time, pay a fee of one peand (1l.), which m appiied in remunerating the esamines. will be given of the time nt whieh the app is to nttend to be examined, and if he pasx result of tho exnmination will be repoted Board of Trade, and nis certiticate of compa will be issned or returned to him, as thecus be, with an indorsement as above mentioned, ing thint he has 'I'assel in Steam.' If he th notice of the failure will be recorded on the d cate, but no part of the fee will be retumel.
17. Full directions as to the eouse of ery tion in steam and the qualitications requi candidates, are contnined in the instructions. to engineer surveyors appointed as exami the larger ports.
MASTICll or MASTIC (Ger. mastix mastik; Fr. mastic; Ital. mactiec ; Spm tiea, almaciga; Arabo arül). This resiouy stance is the produce of the Pistacia Lant antive of the Levant and partienlarly awnad the islnnd of Clios, It is ohtained br transverse incisions in the traulas and by of the trees, whance the inastic slowly 4 About 1,500 ewt. are annually exporces Chios, part of which is brought to this of packed in chests. The best is in tbe form i,rittle, yeliowish trumsparent tears; it is modorous, exeept when hented, and tina it agreeuble odonr; chewed, it is almid lecling at tirst gritty, and ultimater! virtues aro trillingr. (Ainslie's Matand British Pharmeccopeia, 186i.) The frit nunstic yields a green tixed oil, nuta wed Arabs of North A trica for fond adigho total importa of mastic in \(186^{\circ} \mathrm{F}\) mere 1,69
hen in port, in the aequit re necessary to enable sh ations; and masters will rices and junior officers uftion, and to affurd them rpose as possib!?
rions in steay,
have been made fir giv st. or onfy mates whe ency; or who may aphls who desire it, an oprortin mination as to their e and working of the tea linations will be conduct vence of the Local Man i as they may appoint fot aminers will be selected from the engineer survery Act. The examanation e theoretical questions tisty the examiner tha it to control the working leh a knowledge of ibe shincry as will cmable hi of an accident, and, in veer, to give the nece se room. The practise plicant must delivet to tatement in writing io to be examined in st s an examination in nas nust be on or aunesed purpose; it the applie npetency the statement ipping master with lit notice may be given to 1at the Hoard of Trd e the means of indorin cording the faet that \(h\) He must also, at the \(<\) ie pound (1l.), which ing the examiners, time at which the ap mined, and if be pass ntion will be repoted nis certiticate of compe rned to him, as thecase at as above meatioged, ed in Steam.' If hef ill be recorded on the o le fee will be retumed. as to the course of exa he quatitications requi ned in the instructions s appointed as examis

STIC '́Ger. mastix; Ital. martice; Span, aräh). This resimulu of the Pistacia Lentis and particularly auma It is obtained br in the trunks and bo the mastic slowly ro aumually expetteo is brought to this a 10 besti is in the form aspareat teans; it is 'I heated, and tweo it ewed, it is almas \(y\), and ultimaters s. (Ainslie's Mutens ( 1, 1867.) The frit fixed oil, much asted a for food and lighty tic in \(1860^{3}\) me \(1,69 \mathrm{~g}\)

\section*{MATE}
ruloed at 71,0591., and in 1867 only 152 cwts uthich last one-third camo from the Phllippin Han', and onc-third from Australia. waTE. At a merehant ship, tho themater, taking, in his absence the teputy of There are sometimes only 1 , and sore conmmand. it \(t\) mates ia a merchantman, sonctimes 2, 3 , dit; denominated 1st, 2nd, 3rd accoriling to her lis, however, recognises erly 2 descript The perans in a merchautman - the mesiptions of maninets; the mates being included in the and and the saptain being responsible for the intter mdings. For qualitications necessary their proantile Jariae Act to obtain certificate of Mer Merkanc to act as mate, sec Mistriu de of eompe-
In met-of-war, the olficers immerliately su') wimate to the captain are ealler lieutenain Byt the master, or officer whose btake charge of the whose peculiar duty it westuin ar the ahip miblipmen. The boatswain, selected from the th hare each their mates or depumer, carpenter the crew.
Theoficers subordinate to the commande durbeloury to the bast India Conder in the aded 1 st, 2nd, 3 rd dc. of . s. East aldosaliag masters, the c is. Last Indiamen Wat duts, (Falconer's Mu rize Dicti performing Mis (Dutch, matteia; Fr, nattecs ( iery ; \&c.) Litaije, stoje; Port, esteiras: po etudas). Textures coup ind progoshki parnudare, reeds, the bark of trens, for the most retans, dh ropes \&c. In tiois coumtry , grass, nedfod treat variety of purposes set encery largely emploved ines. The coarser fanitur and goods; in the stowage of corn aud nrass other articles on board ship; in horticulnamequations; in covering the thoors of churche wother pullic buildings \&c.: the liner sorts as mincipelly employei in covering the floors of ninate houses.
la Europe, mats are principally manufactured at ile in Russia, where their production is maisent brauch of national intustry. They fremonn in this of the lime or iinden tree, and 465. The Ruis country by the name of bast ent f materisl into pheasants manufacture this suad emplyy it in an eudeage, sacks for corn masquence of the vast quantitics of of ways. are thas made use of at home ano of matting temand for it is immense. It sent abroatl, dacel in the gorerument of Via,ka, prineipally thase immelintely cont Via.ka, Kostroma, mas of May and June, the period whe in the is most casily detached from the when the ntel, the whovemments in question are almost weu, the whole population being then in the emploved in stripping the trees. The tol this curiousen, who has carefully investimal production of mat, estimates the average Dons:-

ity, or \(31 \frac{1}{2}\) millions that about \(+\frac{1}{4}\) of this vast sycuisumed at home are exported, the rest is obvious frome
al destruction of linden statements, that the mons; and it may well trees must be quite Wher it be from the aly all but exhausted. wer it be from the rapid growth of the But lry.

\section*{M.ITS}
or the vast extent of the for found, tho gloomy foreboding forests in which it is its destraction have not hitherto Tooke as to (View of Russia, iii, 262), and meen realiser becore cither searcer or (eand nuts have not hardly possilule searcer or dearer. If l s , hove notever, tinue to bo the case, seeing that sueh should conpepulation and of the seeing the rapid increase of most parts of the the consumption of mattiuse of becoming of the empire. But in the matting in becoming scarcer, the inhabit in the event of its lifficulty in tiuding substitutes. su will have no in opinion with these substitutes; so that we neree policy to imposo any restrictionk it woulh be bad industry, in the view ot avictions on this branch of nay never occur; nud which ifte an evil which be easily obviated. (Sime a very it do occar, may in the Supplemeat au Journul dinteresting artirlo Peitersboury, for 1811, p. 113 .) le lutirieur de St.Archangel is the p. 113.
ment of mats; nuel it apipear port for the shipof the yenrs isal mul njears that at an nerage from that port nmounted the export of mat year. During the five yed to 615,360 pieces a value of the mats erpars \(1861-5\) the average lussian ports was exported from the northere ingelan ports was ubout 14,500l. [Alsern Petershurg, Lirge quantities are also shippedrcarscriptions of Riga, and other ports; and pod frum packed in of Russian produce sent most devalorem formerly The daty of sent abroad are valorem formerly charged on maty per cent. ad pealed. Russinn mats fotch mats has been remarket, about 34 , per 100 . feth, in the London matting of the value of 100 . Ia 1867 mats and into the United Kinge of \(38,0.18 l\). were imported Variousdescripiogsom.
nanufactured in Spain of reed mats are extensively being very jeautifully and Fortugal; some of them quantities of matting varied. In Spain largo rush. [Espanto.] Rish floor mat
very superior description rattan table mats of a They should bo choon are brought from China colour, and should, when clean, of a bright clear

The mats of the
serving them both Japanese are soft and elastic made of a peculiar species of and beds; they are the purpese.
cilivated for
Mauritius consist of sugar is insported from the of a tree growing in the formed of the leaves broad strips. They are the island, intorwoven in and may be washed and cleanetsing and durable, ing any injury. Being imported. without sustainthey are solid very cheap. Besides ynantities aiready referred to, sec Milibusides the works merce, and the vnluable little Oriental ComsVegetable Substances, Materials of work entitled published by the Society for of Movufactures, Useful Knowledge, pociety for the Diflusion of It is probaile the, pp. 116-123
wove fabrics prodited by formed the first sort of of remark, that but few man; and it is worthy discovered which have not savage tribes have been eminence in their manuf attained to considerable Guinea and other mananufacture. On the coast of of fino mat, about a yard long west of Africa, piece 3 miform texture, were denominated of a pretty formed a sort of money; the valued makkutes, and being rated nad estima the value of commodities Prospectus d'un Dictionnuire de Com. (Morellet, They enjoyed this distinctione Commerce, n, 122.) utility, mad the great care mon, uodoubt, from their their preparntion. There ind labour bestowed on the South Seas in whieh is hardly an island in acquired great skill and dexterity ines have not of mats. The finer sorts lexterity in the making

\section*{MELbOURNE}
dyed reeds or grass; nud have a very brillinnt appearance.

For some remarks on the mats of Greece, Algeria, Portugal, and Inctia, see Mr. Digby Wratt's Report on the carpets \&e. in the Paris Exhibition of 1867.

MAULMAIN or MOULMEIN. A sea-port town of Indin, on the eastern side of the Bay of Bengal in the district of Amherst, one of the divisions of the province of British Burmah. The town is situated on a sminll peninsula formed by the Salweine, the Gyne, and the Attarnn rivers. Lat. \(16^{\circ} 30^{\prime}\), long. \(97^{\circ} 42^{\prime}\). There is a fine port formed by a natural break water in the island of Balu, which protects it from westerly gales. Customsduties and port ilues arelevied. The tariff of import and export dutics is that promulgated in 1867 as applicable to all the Ports of Inclia. [Calcutta.] The population of the town is given at 17,042 . Its principal export consists of rice, and paddy, and timber. In consequenco of the grent forests of tcak, Maulmain is famons for its ship-building. (Thornton'a Gazetter.)
In 1861, the shipping at this port consisted of 172 vessels of British origin, 19 of American, 3 Fr_..ch, with 143 native eraft, forming together a tonnage of 93,778 entered, and 202 British, 14 foreign, and 156 native craft cleared, the tonnage of the latter being 86,169 . The total imports, including treasures, at this port during the three years \(1862-4\) were valued at \(54,626 l ., 57,092 l\)., and \(60,541 l\)., respectively, and the exports for the same period at \(437,908 l\)., \(274,121 l\)., \(206,430 l\). The value of the wood exported from British Burniah in the year 1863 was 238,1211 ., that of the year 1864 was \(176,133 l\)., and the value of the total exports from the province by aea in 1866 was \(2,825,522 l\).
In 1864 the teak exported from the various provinces and settlements of British India and the Indian Archipelugo amounted to more than 50,000 loads, and was worth, at an average, about \(11 l .19 \mathrm{~s}\). the lond. In 1867 there were imported into the United Kingdom 12,644 loads, valned at 123,582l. the price for the larger portion per load being \(9 l .16 \mathrm{~s}\). , from the Straits settlement, Bengal and Pegu.
For further particulars as to the trade of British Burmah \&c. see East Indies; liangoon.
MAURITIUS. [Pont Lours.]
MEAD or METHEGLIN (Ger. meht, meth Dutch, meede, meedrank; Fr. hydromel ; Ital. idromele; Russ. liper). The ancient, and, for a long time, the favourite drink of the northein nations. It is a preparation of honey and water.
MEAL (Ger. mehl; Dutch, meel; Fr. and Ital. farine; Span. frrina; Russ. muka; Lat. farina). The edible part of whent, oats, rye, barley, and pulse of different kinds, ground into a species of coarse flour. [Corn Laws \&c.]
MEDALS. Pieces of metal, generally in the form of a coin, and impressed with some peculiar stamp, intended to commemorate aome individual or action. Medals are of very different pricesvarying necording to their rarity and preservation, the fineness of the metal, the beauty of the workmanship \&e. The value of medals of all kinds imported, with the knowledge of the Govemment, in 1867, was only 821 .

MEDITERRANEAN PASS. The nature of this sort of instrument has been described by Mr. Reeves, in his Treutise on the Law of Shipping, as follows:-
'In the treaties that have been made with the Barbary States, it has been agreed, that the subjects of the King of Great Britain should pass the seas unmolested by the cruisers of those states;
and for better ascertaining what ships and vesels shall produce a pass under the provided that they the Lord High Admirni or the hand and seal of the Lord High Admirnl, or the Lurds Commissioners of the Admiralty. In pursunnce of thes treaties, passes are made out at the Almiralty, contaiuing a very few words, writtea on parch, ment, with ornaments at the top, through which a scolloped indenture is made; the scolloped tip are sent to Barbary; and being put in possession of thelr cruisers, the commanders are instructed to suffer all persong to pass who bave passes tha will fit these scolloped tops. The proteetion afforled by these prisses is such, that no sling which traverse the seas frequented by these ropes ever fuil to furnish themselves with them, whethen in the trade to the East Indies, the Levant, Sphin Italy, or any part of the Mediterraneaas and from the more particular need of them in the latter, they, no doubt, obtained tho name Mediterranean passes. For the accommodation merchants in distant parts, blank passes, sign by the Lords of the Admiralty, are lodged wis the governors abrond, and with the British c suls, to be granted to those who comply withth requisites necessary for obtaining them. As thit piece of security is derived wholly from the stip lations made by the Crown with a forcign por the entire regulation and management of been under the direction of his Majesty with the advice of the privy council, has scribed the terms and conditions on which th passes shall be granted. Among ethers are following:-They are to be granted for aone British-built ships, or ships msde free, nsvigut with a master and three-fourths of the mart British subjects, or foreign Protestants made ie zens. Bond is to be given ia the sum of 3 ite the vessel is under 100 tons, and in E00l if of that or more, for delivering up the pass mit 12 months, unless in the case of ships thit from one foreign port to another; and such ple need not be returned in less than 3 years.
'It has been found expedient, at the conchr of a war, and sometimes during a pesce, to \(n\) and cancel all passes that have been issued, to issue others in a new form. This has done for two reasons. 1st. That these useful struments, by various means, either sccidets fraudulent, cante into the hands of foreignes under cover of them, carried on in secunity at which otherwise would belong to British subj and which had been puzchased by the cer the expense of keeping up this sort of all 2dy, That the Barbary scates complained, ndhering to the rule of fitting the other parto indenture to the passes, thicy were obliged to ships to pass that did not belong to Brifo jects.'
We bave thought it right to give this evf tion, though, since the occupation of dlgiv the French, and the disappearsnce of the of the other Barbary powers, Mediterranean have fallen into disuse.
MELBOURNE. The capital of the colony of Vietoria, formerly Port Put Australia, occupying the S. E. portion of continent, atretching through \(9^{\circ}\) of long Cape Howe on the E. to the Gleuelg rire W. The town is situated on the af of the Yarra-Yarra river, about 9 miles (\% its windings) from its mouth in the bsian Phillip, lat. \(37^{\circ} 49^{\prime} 5^{\prime \prime}\) S., long. \(\left.144^{\circ}\right)^{\circ}\) It was founded in 1837, and extend 2 banks of the river. In 1851, it had \(1 / 2\) of 23,000 ; and such has been the consequent on the discovery of the \({ }^{\text {l }}\) ?

what ships and resels \(t\) is provided that they r the hand and seall of or the Lotds CommisIn parsuance of these out at the Alminaltr, rels, written on parch. the top, through which ate ; the seolloped tope being put in possession anders are instructed to who have passes that tops. The protection is such, that no ships juented by these rovers, ves with them, whether dies, the Lernnt, Spain, c Mediterraneaa; and need of them in the sbtnined the nume of \(r\) the accommodation of ts, blank passes, signed irnlty, are lodged pith d with the British con se who comply with th btaining them. As the I wbolly from the atipu n with a foreign pore management of it his 1 of his Mnjesty wh privy conncil, has pr aditions on which the Among others sre t be granted for aone b ps made free, navigat. fourths of the marin Protestants msde dee \(n\) in the sum of 3000 ins, and in EOOL, if it ering up the pass mit e case of ships tridit inother; and such pa ess than 3 years, edient, at the condas during a peace, to re thave been issued, w form, This bas st. That these useful eans, either secident hands of foreigners, ied on in sccunty at elong to British subj zchased by the coum up this sort of allir - scates complained, ting the other part hey were obliged to ot belong to Britith
ight to give this exp occupation of Algie appearsnce of the co vers, Mediterranean
e capital of the ormerly Port Pbill he S. W. portion de hrough \(9^{\circ}\) of long ) the Glenelg aret? ated on the north r , about 9 miles \((\mathbb{1}\) gouth in the besis S., long. \(14^{10}\) if 7 , and extend 4 185t, it hand ! M las been the

\section*{tent including suburbs, it laad, in MELBOURNE} mumbitants \(A\) considerable port.on, ho 120,536 disimenase population is to be however, of be oresh water; but this objection mis 88 simoty only, and as residing in regarded as a suppaty by sinking weils, or might, perthaps, ail heir ultimate destination has been merely streanis, as water from some of the ing hither phi The sudden incrense of population decided mee rents to aa unparalleled lieight; andsed meensiderable time a large proportion for melation was not housed, but proportion of the wa! But nartly through the extenordarler dendss which was thus given to butraidindinary prdy through the mercantile failures cong, and athe vertetading of 1853 and 1854 , there xal rery heavy fall of rents, which dore has an 18s6) exceed half their amount do not Qustes (the town is unfortunate, for the 1852. kigbsiructed by a bar and shallows the rirer mall narigable for ressels of more th is not \(m\) kinden; and it has the further than 60 arye of beigs low, and liable to be floo disadtaretioning of the river during the wet flooded by thane was, also, till lately, very ill season. bithes water. But this defect ins supplied win be the construction of works beel reSithothe culony. The reservoi's are of that do weided so as to afford an adequate suppreat mand of drourht, It has beca proposed in to Whate the tratc of the town by removosed to Fthemouth of the river, and deepoving the keditigy nd one of which a the sy expensive ms ititd doubfful. Thich excavaticess would multu lide deep water in the bay to M of a ship alokenepoposed; and it proy to Mellocurne emprateplan; but in the provably would be Ite dea completed, which has ouviailIof the inconvenicnces which werviated came it seems, however, not unlikere extwa of the town, and the ureaty that mod its population, will ultinately centr, iliumbom, a village a few miles dist centre pland estending into the bay, opposint, on dilluge ressels coming to Mclbourne to \(\$\) to anchor. The princinal clbourne are astorn is the scarcity and bad quality of
Puntities and Value of Principul Articles E.
rincipal Articles Exported
the Years 1864, 1865, and 1866. (ming Bullion and Specie), in each of

\[
\begin{aligned}
& \text { a.ad } 1865 .
\end{aligned}
\]

Number and Tonnage of Vessels that Entered and Cleared from the Port of Victoria，with Canx
and in Ballast，in the Year 1866．


Account of the Quantities and Values of the Principal Articles，ex．Gold，Imported United Kingdonn from Victoria in each of the 3 Years ending with 1867.


Account of the Foreign and Colonial Produce and Manufactures Exported from the United to Victoria in each of the 3 Years ending with 1867.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Princlpal Articles} & \multicolumn{3}{|c|}{Quantities} & \multicolumn{2}{|r|}{Declared Real Vilue} \\
\hline & 1865 & 1868 & 1867 & 1865 & 1866 \\
\hline Apparel and haberdashery－value & － & － & － & \[
\frac{1}{1,014,202}
\] &  \\
\hline  & 1，698，447 & 1，556，105 &  & 6， 242 & 6，938 \\
\hline \(\xrightarrow[\text { Hacon and hams }]{\text { Gunder }}\) ：\(\quad\) His． & 1，698，447 & 1，356，105 & 931,589
16,532 & 45，351 & 38，2\％ \\
\hline Bags，empty－－dozens & 102391 & 108，854 & 84，418 & 9\％，591 & 8，8，991 \\
\hline  & 54,470
6,662 & 50，034 & 37， 781 & 218，9018 & 209，26\％ \\
\hline \({ }_{\text {Butter }}\) Brola，printed ：\(\quad\) cwts． & \({ }^{6,868}\) & 6，064 & \({ }^{3,761}\) & 71,068
\(8,7 \times 0\) & 67，156
16,45 \\
\hline Candtes ：：itise & 899,643 & 1，531，774 & 1，307，193 & 30,283 & 60， 661 \\
\hline Cheese \({ }_{\text {Confectionery }} \quad: \quad:\) cwes． & \(\xrightarrow{6,734}\) & 12，653 & \(\xrightarrow[9,014]{ }\) & 27，416 & 35，61 \\
\hline  & 11，076，100 & 39,874
\(14,583,163\) & 13，\({ }_{\text {288，651 }}\) & 104，0588 & 192，353 \\
\hline Cottons entered by the yard－yardi & 11，074，100 & 14，583，163 & 13，388，071 & 388，529 & － 488,710 \\
\hline Drupend chemical producta \({ }^{-1}\) & 二 & － & － & 53，\({ }^{4,38}\) & 68，630 \\
\hline Earthenware and porcelain，＂ & － & － & － & 30，503 & 33，110 \\
\hline  & － & & － & 29.416 & 27，44 \\
\hline Glass manufactures：：c＂wts． & 6，010 & 6，324 & 3，901 & 68，591 & 73，116 \\
\hline Haprwares and cutlery，un：
enumerated & －－021 & & & & \\
\hline enumerated－－doze & ，883 & 43，937 & 49，466 & 177，318 & 161，9］ \\
\hline Iron，wrought and unwrought tons & 31，232 & 36，960 & 36，078 & 483，642 & 496，31 \\
\hline Lead and shot & 944 & 1，078 & 1，880 & 20，599 & 21，35 \\
\hline Lealler，
wrought
Saddery and hamen & ＝ & － & － & 359，023 & 289,997 \\
\hline Saddlery and harnesu
Linens，entered by the yard yards & 4，406，868 & 4，484，505 & 3，708，598 & 51，, 831
155,102 & －31，661 \\
\hline Mschinery：steatmengines：value & － & 1， & 二 & 48,12 & \({ }^{\text {39，}}\) \\
\hline Musleal all other sorts ：＂ & － & 二 & & 51.694 & 1170］ \\
\hline \begin{tabular}{l}
Musleal Instruments \\
Paper of all sorts（Including
\end{tabular} & － & － & & 26，008 & 1，20 \\
\hline paper hangings
Pretles and siuces & 41，852 & 50，123 & 56，073 & 124，200 & 150.54 \\
\hline Plckles and zuuces：：value & － & － & － & 33，081 & 97969 \\
\hline Sill & 919 & & & \({ }_{\text {ckin }}^{68,783}\) & \({ }_{9}{ }^{2011}\) \\
\hline Spap & 74,6618 & 158，566 & 95，906 & 9，754 & 21， 21 \\
\hline Stationery，other than paper yalua & & & & 45,316
767,379 & 910， \\
\hline Woollens，entered by tha yard yards & 9，998，709 & 11，181，754 & 8，417，462 &  & ， \\
\hline All other articles－－ Total & － & － & & 876，959 & \(6{ }^{6}\) \\
\hline Total & － & \(=\) & － & 3，797，999 & 6， m （a） \\
\hline
\end{tabular}


Drien and premerved fruite and regetables, nuts of all kinds inot including cocod
nutis), futhr, cheese, candiss, bacon, laril, nuts), Inttrir, cheese, candises, bascon, larit,
lama, ptarch, soap, confectinary, biscuits, hama, starch, sap, confectimary,
comfis, swetmeats, surcades.
, Jant, mac: caroni, verticelli, maisena, premersed meats and \(\mathrm{H}_{\mathrm{th}}\)
Itops


Apparel and stops and nall artitites mate up whoilly or in part from fatirien of woul,
cottan, linen, or mized matertain (es arept cotion, linen, or mised matertais cesrept
corn or wool hags); loots or thees, hosicy
 ware-
Ware- jewels and jewellery of all kinds,
manuf moinutzetures of nity or of inlsea materimal Instruments, carriakes, klass and plaswwore, cininaware and porceliain, furnilure, toys, and tarnery, woolenware, brush:
ware and wlckerware, earthenware, olf: ware and wlikerware, earthenware, ofi-
ments sores not pherwise enumerated (eacept oits in buik, taploca, sago, arrawroot, npices, prepyer, and singet), woolien blankets and ru, \({ }^{5}\)

Excmptions from Import Duties.-All goods, wares, and merchandise not included in the nbove table of imported articles, gold and silver coin, passengers' baggeqe, cabin and other furniture or personal effects, which havo been in uso and not imported for sale, carriages used in the conveyance of goods or passengers across the frontier, all packares in which goods are orlinarily imported, and all minor articles used in the making up of apparel of mixed or undescribed materials shall be exempt frcm duty.
\begin{tabular}{|c|c|}
\hline Articles Esported by \\
Land or Sea
\end{tabular}\(\quad\)\begin{tabular}{c} 
Rate and Duration \\
nf Duty
\end{tabular}

Like many other British colonies, Vietoria has adopted a protective tariff, not so much perhaps with a view to fostering home manufactures as with that of providing a revenue for its very considerable expenditure. Still, protective purposes are avowed, and manufactures are fosterel by this system.

The basin of Port Phillip, which receives the Ynrra-Yarra and other rivers, is a large circular bay, or inlet of the sea, whence the eolony derived its former name. It has a narrow entrance, not more than \(1 \frac{3}{4}\) mile in width, partly occupied with rocks and shoals. \(\Lambda\) lighthuuse has been erected near the extremity of Point Lonsdale, towards the west side of the entrance, lat. \(38^{\circ} 16^{\prime}\) S., long. \(140^{\circ}\) \(40^{\prime}\) E., and another on Point Gellibrand, near the head of the bay, between Williamstown and the mouth of the Yarra-Yarra river, lat. \(37^{\circ} 52^{\prime} \mathrm{S}\)., long. \(144^{\circ} 55^{\prime} \mathrm{E}\). The bay is about 40 miles broad from S. to N., and at its greatest extent is about 40 miles long from E. to W. It is said to cover an ares of above 800 sq. miles, and might accommodate all the navies of all the countries in the world.
The whole trade of the colony, which is already very extensive, and is continuing to increase, is at present carried on from this basin. And from its
advantageons situation, and lts stretchiog on inland, it is probnble it will always coatinue engross the largest share of the trade thouth doubt, it will be partly, also, earried on frometh doubt, it will be prirtly, also, earried on from thes ports. Geelong, at the head of a deep bay on the W. side of the basin, had in 1861 a population of 22,986 , and a very considerable trade. Fo further details see the Victoria Commercial an Nautical Almanac annual, a very meritorions pub lication.

Prospects of the Colomy.-Of these it woal? hnzardous to speak with much contidence, T produce of gold, which amnuated to \(1,247,000 \mathrm{oz}\), in 1852 , amonated to only \(1, j 13\) \(0 \%\) in 1862, and bat \(1,179,194 \mathrm{oz}\). were expor in 1867. But it is impossiblo to say wheth the decline will be permanent, or whether produce will not agnin rise to or ahore its ievel. The excitement caused by the disoow of the gold fields was not confined to the colnni or the diggers, but neted with such force on commercial worll that the value of the impo into Vietoria, which amounted to \(1,056,435 \%\) 1851 , rose to \(15,182,530 l\). in \(1856-\overline{7}\). is excessive importation oceurred simultane with a dinninished supply of gold, a ruin revulsion necessarily followed, nccompanied an nll but universal baukruptey, and a sacritice of property.
These, however, are but evanescent diffical Other industries of ac more important and per nent character are occupying the attention colonists. Wool, of which \(16,345,4681 \mathrm{lbs}\), exported in 185l, rose to the amount of 42,0 lbs, in 1866. Ilides are slso an inportant of export from the colony. Still, on the wha must be admitted that its trade is oearly sta ary, the imports during the last ten years ha varied only by about a million; and the es being even more nearly uniform. It is of a possible to infer from these facts, that the is steady and satisfactory. The system ad in regard to the disposal of the land, and results to which it hus led, are the grand culties with which the coinny has to con It is impossible, indeed, to condemn too sem our policy in this respect, both in this an other colonies. It is fitted only to injure and to turn the tide of emigration from theirs to the United States. To set a minimum 20s, an acre upon the unoccupied pastare it Australia, several acres of which are requil feed a single sheep, may be regardal triumph of political quackery. While, ho it prevented the salo of land, it necessaily its being let in vast tracts at low real certain rights of pre-emption, sad to its exclusively occupied by squatters; and t the discovery of the gold fields and the in population, theso parties have become a class. There ean, it is affirmed, be no dou their interests are opposed to thuse of the the colonists ; and it is believed that un constitution lately giren to the colony command a mnjority in the legislature.
In consequence of this preposterous whieh, in a colony where large firtax been made, has restricted the purchaie to a very small part of their extent, the can, in no proper sense of the word, be s. occupied. The population has no porref fusing itself over the surface, but 190 into the large towns of Melbourne, Ge the camps at the diggings. There \(x\) x villages, farms, nor firm steading, \(A\) moterate means may as soon thins of land in Middlesex as in Vietoria, and
, and Its stretching on ta it will always contitue - of the trade, though, n nlso, earried on from whe head of a deep bay on the had in 1861 a population considerable trade. Fo Victoria Commerciat an ral, a very meritorious pub
my.-Of these it would \(b\) thi much confidence. Th ich amounted to aina mounted to only \(1,5110, x \mid\) 479,194 oz, were export mpossible to say whet ermanent, or whether \(t\) a rise to or above its d t eaused by the discore ot confined to the coloni ed with auch force on t the value of the impo mounted to \(1,050,43=\) 30l. in 1856-7. is oecurred simultaneos pply of gold, a ruin followed, accompanied bankruptey, and a
but evaneseent difficul zore important and per pying the attention of hich \(16,340,468 \mathrm{lds}\). o the amount of 42,50 re also an inportant ny. Still, on the wha its trade is nearly sta - the last ten rears has million; and the ex y uniform, It is of a these facts, that the ory. The system ada osal of the land, an \(s\) led, are tho grand e coing has to co 1, to condema too se seet, both in this ani fitted only to injure migration from their To set a minimumpr noccupied pasture in s of which are requir may be regarded aackery. While, ho land, it necessarily tracts at luw reat emption, and to its y squatters; and t" old fields and the in ies lave become a affirmed, be no do sed to thuse of the is believed that un en to lecislatore. this preposterous vhere large fortuna ted the purchaie of their extent, the of the word, bes tion has no porier aurface, but is ous if Melbourne, Geve gings. Ther ary rm steading, A as soon thind off in Victoria, ant

MELbourne Wharfage Rates.

Harbour．－The harbour of Memel is large and safe；but the bur at the mouth of the Currische Haf has seldom more than 17 fect water，and sonuctimes not more than 13 or 14 fect ；so that ships drawing more than 16 feet water are fre－ quently obliged to load and nuioad a part of thelr cargoes in the roads，where the anchorage is thit indifiterent，particularly when the wind is N．or N．W．We timd that Mr．Consul Ward，in his Riport for 1867，gives the averate depth for the yenr as 18 fect．There is a light，on the N．E．side of the entrance to Memel harthour， \(\mathscr{y}\) feet alowe high water，and visilde 20 miles off．＇It is lighted from Aurust 1 to May 15．The outer buoy lles in 6 fithoms water，ibont a mile without the light－ house，which bears from it S．S．by E．\＆E．The chanmel thence to the harbour is marked by whilte buors on tho uorth，and red on the south side． Three beacons to the north of the town，when brought into a line，lead directly into the harlour． Inasmuch，howe sor，as the channel is sulyject to frequent clanges，hoth in depth aud direction，it is always prudent，on arriving at the outer buoy， to leave to for a pilot：but this is not obligatory； and the Prussian authorities have issued directions for ships entering without a pilot，which may be found in Norie＇s Sailing Directions for the Cutticgat and Baltic，p．30．
Trade．－Timber forms the priucipal article of export：for though that of Dantzic be considered better it is generally cheaper，and almost always more abuntant，at Memel．IIcre，as at Dantzic， the best quality of all sorts of wood articles is called khron，or crown，the stcond brach，and the third braeks brack．Large guantities of hemp and liax are also exported，as are bristles，hides， linseed（the finest for crushing lormgitt to Eng－ land），wax，pitch，and tar \＆c．The exports of graill，especially rye，are sometimes very con－ siderable．The wheat of Lithuania is reckoned the best．All llax and hemp shipped from Memel must be bracked，or assorted by sworn selecturs． ［Flax and Ifsale．］The imports consist priuci－ pally of salt，herrings，coffice，sugar，spiecs，dye－ woods，tobacco，tea，iron，cotton stuffs and yarn， cutlery，wine sc．＇To the war of 1866 is attributed the falling off in trade of the port，exhibited in the following statement of the value of imports and exports for 4 years，ending with 1867 ：－


The abolition of the Government monoply of salt on June 1，1868，led to a consillerable increase of the importation of that artiele from Englaud． This port is open to navigation throughout the year，but the navigation of the river Niemen，and adjacent streams，the Currische llaf \＆e．，closes albout the latter end of November，and opens about the middle of April．In 1867， 980 ships， of 106,429 lasts，arrived at Memel，and at the end of that year 98 sailing ships，of 23,107 lasts， and 7 small steamers，belonged to the port．
MERCURY or QUICKSILVER（Fr．vif ar－ gent；Ger．quicksilher；Ital．argento vivo；Span． azogue ；Russ．rtut；Lat．hydrargyrum ；Aral． zibākh；Hin．parah；Sansc．părada）．This metal was known in the remotest ages，and seems to have been employed by the ancients in gilding， and separating gold from other bodies，just as it is by the moderns．Its eolour is white，and similar to that of silver ；henee the names of hydrargyrum， argentum vieum，guicksilver，by which it has been known in all ages．It has no taste or smell．It is brilliantly lustrous，and when its surface is not tarnished，it makes a very good mirror．Specifie gravity \(13 \cdot 568\) ．It differs from all other metals

In belng always fluid，unless when subjecten to degree of colid equal to -390 ，when it heentre solid．Tho congelation of merury was ifret servel in 1759．（Thomson＇s Chemistry；Brit Phurmacopais 1867．）
Mercury is found in varions parts of the wert Among the principmil mines are thoose of Almad near Cordova，in Spain；1dria，In Carrii Wolfstein and Morsllecld，in the Pulatinat Guancuaelica，in Jeru sce．＇Most of the ves mercury are readily distinguistoel from thos auy other metal；lin the tirst variety，folbolles the metal ure seen attached to or inut staring the surface，which is at once a sufficient criten mercury being nulike every other mectal；in second，by the fine white colour，aud the action the blowipe，which sublimes the mereary leaves the silver belind；the third，merearf is bea ful deep red thint，varying frons cochinical to sear red，excepting in those termed liepatic cinanta which aro generally of a lead grey；the fourth， its grey colour，its partial solubility in water， its complete volatilisation by heat，emitting the same time an arsenical odour．Before blowpipe，these varieties bum with a blue ti and sulphurous odenr，leaving more or lessere behind them，and which may consist of eas matter，as silex and alumina，together with oxides of iron and copper．＇（Joyce＇s Clem，
Till within comparatively late years，the plies of quieksilver liave been almost ent derived from Europe．The quantity， now supplied from Califomia is large rapidly inerensing．The average produce of Califormian mine at New Alnador is about tlasks of \(76 \frac{1}{3}\) lbs．each．The selling price of cury is from 1 s .8 tl ．to 2 s ．per 11．The dixe of these mines has greatly lowered the and by implication lias rendered the po amalgamating gold and silver muel moref and easy．
Mereury is often adulterated by the ath of lend，bismuth，ziuc，aad tin．When the quickly loses its lustre，is covered with is less fluid and mobile than usual，or do readily divide into round globules，there is to suspect its purity．
Our supplies of mercury are still elieffr from Spain．The imports vary verymed． were \(4,510,350\) lbs．in 1864，only \(1,26+1239\) 1865 ，and rose to \(3,315,410 \mathrm{lls}\) ．in 1 sexich again to \(2,191,143 \mathrm{lbs}\) ，in 1867 ，valued at
The exports of quicksilver from Spain amounted to 711,048 kilogranmen，and it appear，from Mr．Sack ville West＇s Rpport ary 1，1867，that the total procluce of the quicksilver mines in 1863 was 16,8, and \(^{2}\) quintals，or about \(37,770,880 \mathrm{lbs}\) ．The pra Idria，in Austria，has also some rather quieksilver mines．
There are 2 sulphurets of mernerg； or ethiops mineral，and the red or cindurer mercury and sulphur are triturated toge mortar，the former gradually dismpeans whole assumes the fom of a black po nominated ethiops mincral．if this \(\gamma\) heated red－hot，it sublimes；and da vessel being placed to receive it，ac tained，of a fine red colour，which is bar．This cake，when reduced top known in commerce by the aame d Cinnabar may be prepared in varives
Calomel，or subchloride of merari， 4 useful of all the preparations obtainaly is in the form of a dull white and menty powder，having a specific grasity fil more generally employell，snd wible

\section*{MESSINA}
unless when subjected t to \(-39^{\circ}\), when it becuroe f of mercury was fipt oh onson's Chemistry; lrilid
variens parts of the mo nines nre those of Amath min; ldrin, In Carnila fleld, in the Palatinate dee. 'Mast of the ores listinguished from those ho first variety, ghohules ached to or jast starting ance a sulflecient criteri every other metal; in ite colour, aud the action sublimes the mercury d ; the thirt, by its beau ing from cochincal tosear e termed hepatic cinalus a lend grey; the fourth. tinl solubility in water, ation by heat, cmitting rsenical odour. liefore ties burn with \(n\) blue \begin{tabular}{l}
1 \\
\hline
\end{tabular} lenving more or less resi nich may consist of ear alumina, together with per.' (Joyce's Chem. . atively late years, the have been almost eati e. 'The quantity, hom Califomia is large, a Tho average produce 0 Vew Almador is about The selling price of 12s. per lb . The diso grently lowered the cas rendered the proce - silver mucha mote
lulterated by the admis , and tin. When the c, is covered with a sile than usual, or do and globules, there is
reury are still chiefty ports vary very much. 1864, only I, 264.33 \(315,410 \mathrm{lbs}\) in 1866, 3, in 1867, valued at 19 cksilver from Spaia ; kilogranmes, and it kville West's Report of total produce of the 1863 was \(108,6 \%\) \(770,880 \mathrm{Jbs}\). The pro also some rather pro
arets of mercury; d the red of cinadar. are triturated toge rrathaily disappears orm of a black por nineral. if this D sublimes; and on to receive it, 8 cl colour, which is citit 3 by the aame of epared in ranous ox oride of mercurs, arations obtane ull white and neady recific gravity of it loyed, sad nith hel
th smost any other remedy In tho wholo rango
dithe materia medica. (British Pharmuecpoes (Min)

\section*{Metals}
of lemon \({ }^{2} 000\) pipes of picked lemons, 2,000 pip essenco enon juice, and 350,000 lbs, aroirdupo pipes 1,000 lemons exted from the pecl, wero apols of 1,000 lemons yield I ll, , ay peel, wero exported. and 9 imperial gallons of 1 rimpois of experted. pallons of raw, yield 10 gallemon juico. Sixty juice.
The cultivation of silk is largeiy prosecutod in A railrout woot of Messina, \(A\) railroad was
and Catania. Tho ellstance is 58 miles ween Messina
Vicc-consul tho abovo particurd's Report, frem whiles, (Seo Mr. Sicily, seo particulars aro derived. Which most of Mb;'seo art. lilemano.) (For Trade of ithat Lat
(with the single excention ; Fr. métaux). Solicl fluft, and used, on that acconpticksilver, which is netal), opaque, heary account, to be called semitreves legrees of temperature, which melt at revions solidity wh it inture, and recover the ractured they exti it is reduced; wher their pearance, and exMio.o a brilliant or wen cut or tenacity, and so forth more or less malleability, metals, comprising forth. Tho really valuable ancierts, lead, iren, and tin, were sili, quicksilver, ancients, and were as much were all known to the by tho moderus as much estecmed by to the native, but far moro Gencrally in somotimes found internixed with other gencrally in tho shames found tion from the latter bodies. And their separes and ornamentater, and manufacture int separaachicyomental articles, is one of into useful achicvements of human industry of the grentest butcd inore, perhaps, than anyth; and has contrirate the progress of civilisationthing else to accoletho smelting, refining and an At this moment forms one of the mefining, and working of metals most importane most important, if it be metals most important, industrial puranit it be not the this country. The reader will find carried on in most important metals under the notices of the names. And wo menly notice ther their respective may insert the following statem here that we estimate of the quantity and statements, viz., an produced in the United Kind value of the metals came from the furmad Kingdom in 1866 as they quantities and values of and an account of the each of the three years of tho metals exported in The estimate of yanrs ending with 1867.
value of the metals produced the quantities and 1867 is:-

each of the 5 Years ending vith 1867 .

in each of the 5 Years ending Metals Expported from the Uuited Kingdom




MEITIYLATED SPIRIT. [SIPIUTS.]
MILE. The usunl measure of ronds in Ingland, being 8 furlongs, or 1,760 yards.
MILKK (Fr. lait ; Ital. litte; I.at. lac). A fluid secreted by the femule of all those antimals denominntel mammalia, and evidently intended for the nourishment of her offspring. The milk of every animal has certnin pecnlinaties which distinguish it from all other milk. IBut the animal whose milk is most used by men, nud with which, conseguently, we are best nequnintel, is tho cow. The exteranl character of all milk is that of a white opaque fluid, having a sweciish tuste, and a specific pravity somewhat grenter than that of water. When allowed tor remuin at rest, it separates into two parts; a thick whitish tluid called cream, collecting in a thin stratum over its surface, and a more dense wntery body, remaining below. Milk which has stood for some time after the separation of the crenm, becomes acescent, and then coagulates. When the coagulum is pressed gently, a serous thuid is forced out, and there remnins the caseons part of the milk, or pure checse,

Butter, one of the most valunble animal products, is solidified cream, and is obtained artificially by churning. [Butren and Cheeses.]

Milk has always been a favourite fowd of most European nations, and especinlly of the British. Lacte et carne vivunt, says Casar of our ancestors; and the same articles still continue to form a large part of our subsistence. Mr. Middleton estimated (Agricultural Survey ( \(f\) Middleser, 2nd ed. p. 419), that, in 1806, no fewer thin 8,500 mileh cows were kept for the supply of London and its environs with milk and cream; and he estimated the averase quantity of milk obtnined from ench cow at nine quarts a day, or 3,285 quarts a year, leaving, every deduction being taken into aceonut, 3,200 quarts of marketable produce.

But Mr. Youatt, in his valuable work on enttle, their breeds \&ec, estimated the number of dairy cows kept in 1843, in London and its environs, at 32.000 ; nffording; on Mr. Middleton's hypothesis, an anmual supply of \(38,400,000\) quarts of milk. Now, as milk is sold by the retailers at from 3d. to 4th. a quart after the cream is separated from it, mul as the cream is usually sold at from \(2 s\), fid. to 3s. a quart, and there is reason to suspect that a good denl of water is intermixed with the milk, we believe we should hardly be warranted in estimatiner that the milk, as obtained from the cow, is suld nt less than Exd. a quart, which gives 800,0001 . av the total price of the milk eonsumed in the city and its immediate vicinity. If to this sum were allied the further sums paill for cheese and butter, the magnitude of the entire sum paid in the metrupolis for milk, and the various products derived from it, would appenr not a little astonishing.

Sinee the list edition of this work was lished, statistles of eattle in the United Kingu haive been supplied. From these we learn th the ordinary number of eattle kept in Hildlever is ubout 24,000, of which number probably cows. Ilut no county, with the siugle cxcenti of Cheshire, suffered so suriously from the hasises the enttlo plague, as Mildlewex did; for 31 cent. of the cattle had perished up to March 18(6). The londen dairics are in fact dens disense, and tho time, it may he hoped, is not distant, when they will be put an end to alt ther.
At present, a very consideralle part of the tropolis is supplied with milk drawn a very way off, and sent regularly, punctually, and at early hoar, by the rarious raihways. la puint fact, nothing in the economy of rnilways is m striking thin the development of a syistem, which the supply of the metropolis and oth large towns, can be derived from licalthyoutria country distriets, at considerable distances he the dense populntions in the great towns thrme out the United Kingdom. On June 2j, Isoin, number of enttle returned for Middlesex wns RQ, In 1866,967 ewts. of condensel or preserved ou were importel, valued at 5,4141 .
MILLET (Ger. hirse; Fr. millet, nill ; miglio, panicastrello; Span. mijo; Lat. milh panicum miliaceum). There are 3 distinet pee of millet ; the Polish nillet, the comman or man millet, and the Indian millet. It is ef vated as a species of grain; and in sometimese ployed to feed poultry, and as a suhstitute fort The Indian millet grows to a large size ; but autumns in lingland are soldom dry and mo enough to allow of its being cultivated (Loudon's Encyc, of Agriculture.) 248,198cm millet were imported in \(186 \pi\), chiefly from Thrt MILL-STONES (Ger. mühliteine pierres meulières: Ital. mole macine; \& muelas de molino; Rus, schernowi kas The large circular stones, which, when putiay tion by machinery, grind corn and ather atit The diameter of common mill-stones is from 7 fect, and their thickness varies from 14 to inches. These stones have been principuliy ported from Kouen and other parts of himp which 5,734 were exported frem France in valued at \(83,8301\). ; tue burr-stones of thatoge being supposed to be more durable than our Nill-stones are, however, found at Congy North Wales, and in some parts of Sy which have been said, though oa no refy anthority, to be equal to those importal in 3,242 tons of burr-stones were imported int United Kingdom, valued at \(14,470 \mathrm{~L}\)
French burrs are found in masu in
fac American ollet had som vertions, their for a number Buoboldt as ha - particularly \(n^{2}\) tany, whose ini co district of at on Company, the principal of the United mats raluable min curata, and et hexest, and during rare their stock thals: but tore Whely to rise; fif in merely repor 4), but from a lation in the pt cerain magn, ine
ralth! It was

Deighbourhood of Meaux（Seine and Mnrne）in durons rocks，The sulstance which is eomented
 do with a slight admixture of aluminn and der，whancanese
ide of of Nilo in the Arelilpelago fur－ The island of Nillo in the Aryallent quality whes mill ntones of a very Ther are exported to（ireece，Italy，and other mertries on tho Mellitorranean，where they are manties in grinding the hard wheat，or grano apher in the manufacture of mnearoni davh wed the quarries are wrought un remicelli de，Ino qunrrid ano an seount of Government，nud the stones sold at moderate pricen，fixed by \(n\) tariff，which，however， kure a handome proilt to the state．（＇lournefort， kues an Lerunt，letter iv．；Stroug＇s Greece，「yove
Pwhether it was owing，as was generally sup－ med to inferionty of the stones，or to some thercuuse，there can be un doubt of the fact that， dranto a late period，our thour mills were less ctli－ conthan those of France and some other connt ries； oualman in part at lenat tho luto very lare ad beace，in part french flour．Hut this inferiority mpratian or wholly obviated．The Euglish cill produce flour of a superior quality ；and mon well as soft wheat is readily bought by milless＇The duties on mill and other stones bare been repenled．
MiNWGCOM1＇ANIES．By this designation ru lomedr mennt the associations formed in Wodes，in 1895 ，for working mines in Moxico nd South Amerien；but at present it comprises al mining wijects carried on by joint－stoek asso－ cintions．
The wais for mining concerns，which raged in Lhondan the empire geverally in 1824 and路 the the opening of Mexico and other parts Wranish America to our interconrse，forms a rautable suld disgraceful era in our eommereial aton；Sow that the delusion is long past，we re difficulty in conceiving how mereantile a could be led to entertain snch visionary matsions and to pay inmenso premiums for lus ia distant and hazardous undertakings faide they knew little or nothing．We may， wartioe，be excused for appropriating a page or to to the notice of an infutuation liarilly second the whichled to the South Sea and Mississippi Theses．
The Ameriean mining compnnies formed nt witet had some sort of bnsis for favourable gerstions，their directors Inving mnde con－ difor a number of mines in Mexico，deseribed Humboldt as having euriched many families． is particularly npplies to the lieal del Monte emp，whose mines are situated in the moun－ ris district of that name；to the Anglo－ aian Company，whose mines are at Guana－ th，the principal mining quarter in Mexico； It the United Mexican Company，whoso trats，though tno widely spreatl，comprise al valuable mines at Zacatecas，Sombrercte， maruato，and other parts．
beesesociations were formed in London early W04，，and during the spring and summer of Trar their stock or shares bore only a small Frm；but towards the winter it began pro－ trity to rise；nit because of any favourable digrnee from the mines（for the accounts from insmendy reported the arrival of the English 3），hat from a blind ardour and spirit of altion in the public，which really took omne an pro magnifico，every rumour of a mine cernian snd inexhaustible source of profit and with！It ras aupposed that our countrymen thous to reap an immediato harvest；to lay
heir hands on a treasuro hid for ages．This wat said to be the trio discovery of America，the effertunl necess to lier resources．Vivery new cun－ tra＇t for a Mexicum mine producel a rise in the shares of the other companies，as If the fresh under－ taking must necessarily bo a source of prollt to the whole！And the result was，that in Janmary， 1825 ，the premium on the shares of most of the compnnies exceecied cent．per cent．！It mast not， howeyer，bo imagined that this rine of price was ocensioned solely by the competition of individund who intended to continue to holid stock nild to trust to the dividends made by the companies for a return．That this was the case in the trest in－ stance，is，speaking generally，true，But \(n\) host of others，actuated by very different views， speedily entered the field．A peculiar combinn－ tion of eirenmstanees，nt the heal of which mat bo placed an alnost facredible degree of ignorance nud folly on the part of a considernble portion of the public，spread a spirit of gambling among all classes．Many who were most eager in the pur－ suit of slares，intendes only to hold them for a few hours，dnys，or weeks，to proflt by the rise which they anticipated would take place，by selling them to others moro credulous or bold than them－ selves．The confidenc：of one set of speculators confirmed that of others．Menuwhile the public gullibility，or rather its indiscriminating rapacity， was liberally admisistered to．Company ufter company was formed without any previous con－ tract；in other words，without any feundation whintever！Tho plan was，to fix on a district in Americn，understood to coutnin mines；to form in company benring the namo of such distriet；to obtnin a first payment from the shareholders，and to send or pretend to send out agents，to survey the district and engago mines．Such was the case of most of those comparies having the names of districts in South Amerien；und such，nlso， was the case of the Hispaniola or St．Domingo Company，formed on the basis of accounts fiven by lobertson of inines wrought in that islaud some three centuries ago！And yet lawvers elergymen，and even the nobles of the land，wers candidntes for shares in these miserable bubbles． in the hope of finding（in which，luekily，most of them were disnppointed）some（lupe to buv their shares at a prenium．Those who mny be desirous of seeing the extent which the public credulity was practised upon in 1824 and 1825 ，mny consult a paimphlet published by 11．English，broker，in 1827，which contains an aecount of all the joint－ stock companies formed and projected in these memorable years．It presents \(n\) most extra－ ordinary picture．There were in all 74 mining companies formed and projected！The number and quality of the other schemes were similar． It is duo to Mr．Baring（the late Lord Ashburton） to say thant he denounced the evil when in pro－ gress，and warned the unthinking multitudo of the ruin they were bringing upon themselves；but to no purpose．

As the year 1825 proceeded，the mining mania gradually declined，not from any falling off in the prospects of the companies，for in truth they never lad any，but in the supply of money in London．That redundancy of the currency in which the mining mania had partly originated， haviug brought about，an adverse exchange，and a heavy drain for bullion on the Bank of England． the latter was obliged to pull up，and in a moment the bubble burst，and unreasonable suspicion took tho plnce of blind unthinking confidence． Mining projects，from being in the highest favour， fell to the lowest point in the public estimation． The shares of the three principal companies，some
of which had been at a premium of 500 ner cent., fell to par: that la, 100, in money, and no more, coull be got for loth, of the eompany's atock ! They mainiained this price for a considerable time, hecouse most of the part les linterested comthu'sel to lave a favourablo lapression of the undertakings. Demands, however, eontinned to Le made for additionnl nums to meet the expeudtture abroad; and in 18206 at. \(118: 27\) mhning shares progresslvely declised, so that 1001 , stuch fetched only 2ill, or 251 . tin money. The bublule compmiies wore entlrely destroyed, and the few only remained that were tomided \(y\) capitalists mud lud some foundation to stand upon.

Jiven these would liave becur rellinquinhed, or have shrunk into very small dimensions, had not the directors been ablo to enforee further payments, by forfelting, in defanit of wiel, whatever hat beet prevonsly pald by the subseribers, 'the nsage was, that on beeoming a sharehotder cach person subseribed the deed of the compmy, engraghig to pay, when callod on, such instalments or sums to account (generally 10\%. on each share) as should be required by tho directors, intil he had completed payment of the 101\%, And many slanreholders who had advanced 50l. or 601. unwhely preferred paying \(10 \%\) from time to time, rather than incur the immediato forfeiture of all they had paid. Those who hedd only a few alares felt this in a-less degree; but to the holders of a number of shares, the grievance was most serious. Numbers of them raised the money with great dittlendt \(\boldsymbol{y}^{\prime}\); often selling, nt a heavy loss, their family property, or prevailing on relations to make then advances, to their great inconvenienee, and, as fac as can be seen, with almost no prospect of a return. Itesertment would bo excited agninst the directors, hat they not been, in general, the heaviest sufferers; their regulations rofuired them to lioht a certain number of shares (perhaps 20 or 30 ) ; but in their blind confidenco they frequently held 200 or 300 , and drew on themselves a proportional sacrifice-in several cases, the loss of their whole property.

The managers of the companies formed in the outset were prineipally chargeablo with irnorance, rasliness, and overweening contidence. They had, in lact, but little information to go upon. The monopoly enforced by Old Spain had prevented any considerable communication between this comentry and lier colonles. And of the Spaniards settled in Mexico, and driven from it ly the civil wars and consequent emancipation of the country, few or none found their way hither, the great majority having repaired to Cuba, tho sonth of Franee, and Spain, Nor were the publislsed accounts of the country entitled to much contidence: Numboldt's Travels formed the chief authority, but their illustrious anthor, though ger arally cantions, seems, in this instance, to have placed tuo much contidence in vagne, exagrerated statements. Our merchants kuew, geacrally, that silver usines formed a main branch of the productive industry of Mexico, and had enriched very many families origitally in humble circumstances; but they had no idea of the iujury sustained by the mines during the civil war, nor of the amount of expenditure required to bring them into a working state; nor were they aware how little useful information could be expected from the natives; the working of the mines, like every operation requiring skill and intelligenee, having been superintended by natives of Old Spain, who had cither fallen in the civil war, or been expelled after the Mexicans succeeded in the contest. Hence, the agents of our companies found on the spot only native Mexicaus, without education or experience

In business, and, speaking generally, without eandour or problity. They urgeif find countrymean to "rain the nulues, not by ingehinery, of which thay had no ldea, lut by nnimal power, the uwe of which was of advantago to them, by employin? their licrses and mulen, tud creating o great conf sumption of maize, the principal grainof the ermo. try. 'I hen, as to tho last and mont impranannase in the bonineas of mining-thes mode of evtactien the silyer from the ore-the Mexicans, whally uat aequaninted with the improvemonts nalle ia \(f_{\text {rete }}\) many during the last halfecentury, recomacher amaligamation, a procens conducted by them a vary rude manner, and which in mover nads ties of wilver ore, fails to extract the whome, thing like tho whole, of the metal. The of the Mexicams, in short, was merely to linglinh capital be cireulated among the thins giving employment to th. eir people for time, and bringiug the mines into an imper state; when they (the Mexicmas) mighe hupe resume them alter our countrymen halexhaut their resourees, or had become weary of th contricts.

The expense of conveying the requisite mad nery troms the const of Mexico to the mialng trlets, generally at a great distanceia the iater? absorbed mueh capital. The country has practicable rouds, and these have laterly allowed to fall into disrepair ; draugat earia are almost unknown, and burdens are camiet the backs of mules and horses: add to this Mexico being under-peopled, labour is aceai? ligh in as in the United States of. \({ }^{\circ}\) America; and the mechanical arts being manuer unknown, all skilled workmea, fuc carpenters, blacksmiths, anil working engin had to bo sent from lingland at a hearyesp? (For an account of the low state of the at Mexico, see the extracts from Chevalierith in the Gcog. Diet. art. 'Mexico.')
Such wero the chief causes of the failure of Mexican mining companier; and rescral of may be referred to one radical disadvantage non-existenee of silver mines in Eagland. have, in Cornwall, considerable mines of ti copper, while in the northern counties we mines of lead; but of silver we have none deserve the name. How much beter had it had our conntrymen set out with n eonselo that Germany is the only country in whig treatment of silver ore is conducted on si principles! 'Tho Saxons extract a proit oro of very inferior quality, often worth fourth or fifth part of the ore raisel by the cans on account of our companies, but being wrought by their crude, ineficien expensive process, fails to afford anything satisfactory return. There seems do ree doubt that the German process may be aps silver ore in Mexico as in Europe: thedif arise, not from differesce in the quality of but from the want of expericaced smelt the general bachwardness of the Vesi mechanics.
An English eompany, formed in \(1805^{5}\) length npplied modern science to the red the ores of the (in maxato district eut water-power.
But though the sompanies had bee ther respeets successfal, they bad a senio back to contend with in the ansetled ith country. No Govemment has as yet be leshed in Mexico, nor in any other of \({ }^{\prime}\) constituted American states, with powe laps, inclination, sufficient to pat dom ances, or to caforce the abservance of
 searenien
mult web niles of ene to the ienich sondu Ledundot in an 1 The rarious yuret. These yeird caly one them account, in lanis Cornwal mana 2 Saxon cirlywing ti matar or por ! Andif-civil
de mertled poll
(para ar disposi wa ho make cor we the former w anmected w 1 She claims and wites as to mc ace Hence the ymondeatial supr Mry expense. a the other hand, fort undertakiagss 4 The abuadance aterthan in any The fumer suct mastem extr The Ibe probalility waslance of mon ter dithe present ise failure of the a tro cocaturies ans otoject. Ther why that anatchy cand that the so ad be establishe Lese ame but pro ; and that it m spated
rems, horever, aing speculations mmonitable for jo rowath hardly one tonned in this c a has been succe
ary the copper mi

\section*{MINISG COMPANIFS}
isthout can ntryinen to Which they the \(u\) en in
\(y\) cemployin? - great cmo nof the connpurtant stage tof extractin: na, wholly uad male ia fret recommende al by them ay them an while, co ang a whine, colay
al. The obje nercty th thate amotig incm cir people for \(1 t 0\) an 3mptar a) night hipe en hat exbast e requisite mad to the mining nce in the intrin country has ave latterly draught carris dens are carried i: ald to this labour is near! d States of cal arts being I workmen, nuc working exgin at a heary exp, state of the an ico.' of the fallure 0 - and several ol cal disodrantage Les in England. able mines of tin ern counties ve er we have none wuch better had is t with a consch conming on si extract a proil ty, oftea worth ore raised by the compalies, but crude, incticier aftord anothing re seems no te ocess may be apy liurope: thedit in the quality perienced smelt fus of the Jeri formed in \(186 \%\) ience to the rexy ato district eth
panies had bes they had a seth the ungettled se it has as yo 1 any othet of tates, with p cont to put dom observanced
buy as the companies wero atruggling to put flug eioss into order, they sumained litilo dit miance frum tho circumatances now menwed but the moment they had succeeded in whios them enee nore into a prollutive mate, aras begioning to havo a rensonable prospect 4 bosaing aome return for their inormous ontdolanging anere unnoyd be guestions as to title. the the setting up of clalins on tho mines, of ath the haver beard before. In mome indad they hal never hearid betore. In mome inmex the claimants liad rccourse to bolthec, whe companies servants were fore ithy egentel sather force to transport any gumatity of ore tume mine to the place of its dastination; nusl sa the mine to the of a murderous ntack made ugins an account miners belonging to the Real del 2, Won pome mime ( (irogy. Nirt, art. 'Mexleo.') fectors Depads; V'rima C'ruz.]
- Thuthout, however, pretending to anticipate alio turmult of theao remote mpecinlat lons, we slinll whe with a hricf notice of the coa, aiderntions a whe rides of the question. The circumatnnces sere to the suceess of mining conmpnios in: and onducted on nccount of partics in Saxm or in any part of linrope, are-
ithe rarious disudrastages of distant manreat. These are so many and so serious, ns to tiad colly one correctivo-selling the ore as mand ried, and transferring to lralividuals, for tidmumult, the extraction of the metal, ns comifermwall, and, in a somevhut dillerent anesincomwall, and, mania saxony. The ores naso ought to be Witmior portion of the proceeds.
! Th Hylfecivilised state of the inhabitants, tis extled polltical condition, and tho want Tpre e disposition on the part of those in va to make contracts be obseresed; and to whe tormer proprietors of the mincs, or wa meneted with them, from setting up min chims, ond enforeing ther, hv violence. IThe ighl price of labour ; the ignornnce of ueire as to mechanics, anul still more as to be llence the necessity of having artisaus Imbtectial supprintendents from Europe at marexpense.
athe other hand, the circumstnnces in favour wadodetrakiags are-
the aburdanee of silyer ore, which is far Gerthan in any part of Liurope.
Dibe lemer suceess of mining in Mexico, Ma sytem extremely rude und expensive, wad to that which is now followed in (ier-
Fhe probalility of peace in Europe, and of tualance of moneyed capital; so that the medthe present companics may uot involve ciamishment of their enterprises, nny more titheilur of the first New liver Company, Etroceaturies ngo, implied an abandoument stapojet. There is surely, also, some proôrthat anarchy nud disorder will ult imately x; nd that the security ef property will, in [ed, be estalished. Wo coufess, hoverer, thee an bul problematieal and contingent at; and that it may reasonably be doubtect san any considerable future success can be Mapel.
kens, however, as if there were something Hisp peeculations that reniers them exceedfrmatitble for joint-stock associntions. At mata, hardly one of the joint-stock associathmed in this country for the working of thes been saccessfful. The company for ting the copper mines near Santiago in Cuba an to be the only one that has in any degree
renliged the magnificent proapecta that wese held out in \(18: 2\) null 1823. (Sipe Mr. Secretary Mill-


 tnatelesen powder of an intense red colour, often helining to ormke, and very heavy; its, ppecille gravity beligg 8.91. It in extenaively uned in tho arts.

Mollitit. [New Ohtr.q.ins ad haem.]
Moc'lia or Mokild. The prineinit port in
 of Arabia ealled Yemen, nbout 10 miles to tho narth of the Strait of llab-el-mamicth, lat. \(13^{\circ} 19^{\prime}\) \(30^{\prime \prime}\) N., long. \(4: 5020^{\prime \prime}\) E. l'opulation varionsly estimated up to 7,000 , but may, perhaph, ammint to frum f,tion to \(b, 000\). It is endircled with walls, and indiatirentiy fortiliest. Its appearanco from the sea is imposing. Nocha las greatly dedlined sime the orecuration of Aden.

Moela is situated on the margin of'a a dry sandy phain, It is lmilt efowe to tho shore, between is wints of laud which project anrl form a bay. Vessels drawing from 10 to 12 feet water may anchor within this bay at ubout a milo from the town; but harge ships nuellor withoue the bay in the roals, in 5 or 7 fathoms water-the gralle mosque bearing D.S.S., and the fort to tho gouth of the town s. ly E E, distant about two miles from the shore. The great urticlo of export from Mocha is coflee, which IA universally ndmitted to bo of tho tinest quality. It is not possible to form any very nccurate cstimate of the quantly exported; but we believe it may be taken at 10,000 tons, or perlaups more. Tho greater portion is sent to Djidda and Suez; but there is a pretty large export to lombay and other parts of India, whenco some is sent to Europe: oceasionally, however, the exports from Mocha and Joaleidn, direct to Europe, are very consilerable. Besilles coffec, the ןrine ipal articles of "xport aro dates, adjoue, or pusto made of dates, myrrlh, gum arabic, olibanum, semna (cossia sennu), sharks' tins, tragacanth, horns, nud liides of the rhinoceros, balin of Gilead, ivory, gold-dust, civet, aloes, sagnpenum Ke. Tho principul articles of import are rice, piece goold, iron, hardware de. The ivory, pold-dust, tand civet, met with nt Mocha, nre brought from the opposite const of Abyssinia, whence are also brought slaves, ghee \&c.
The grenter part of the foreign trade of Mocha is transneted by the Baninns; and it is much safer to deal with them than with either Turks or Avabs, Luropeans pay a duty of 3 per cent. ad valorem on all goods imported by them from Europe, Indin, or China; the duty being levied on the amount of the sales. The buyer pays brokerage, cooley, and loat hire. All kinds of foreign gools are sold on credit, and the payment is made in 3 instalments, or at a certain clay, nccording as may have been ngreed on. Coffee is always paid for in ready money. On the sale of other goods, the prolluce of the country, a credit is given; or if ready money be paid, a diseonut is allowed at the rate of 9 per cent. When goods are discharging, the master must furnish the Custom-house ofticer with n manifest, or account of the marks, numbers, and contents of each package. He then opens two or three bales taken at random; and if they correspond with the account delivered, no further examination is made ; but if they do not correspond, the whole bales are opened, and double duty is charged upon the excess. The quantities being thus ascertained, their value is learned from the account of sales rendered by the seller, and the duty charged accordingly. In this respect there is nothing to object to at

Mochn; Int a good real of extortion is practised in the exaction of port clargen, presents de., which mey, bowever, be defeated by proper firmness. The port charges on ships, or three-mast vessels, may amount to about 400 alocha dollars, and those on brigs to about half tas much. I'rov:sions are plentiful and choup; but water is drar: that in the vicinity being brackish nuct unwholesome, whatever is nsed tor ilrinking, by all but tho porerest persons, is brought from Mosn, about 20 miles off. Fish are abundant and cheap, but not very good.
Shoney,-I'se current coins of the country are cauts and commassces; 7 carats \(=1\) commassce; I'9 commassees = I Spanish doilar; 100 Spauish dollars \(=126\) Mocha dullars.

Weightsand Merasures.-Thecommercial weights are-
41) Vakiav \(=1\) Ilaunt \(=\) Thot aroirt.

Tlicre in also a memall maund of only 30 vakins: 1 Micelaa batiar=16t Jemtiny maunds; I Mocha lahner \(=13\) Surnt naumels \(=15 \cdot 124\) suers. Grain is mensured by the kellah, 40 of which \(=1\) tomand, abont 170 lbs . nvoirdupwis. The liquid measurea are 1 ti vakias \(=1\) musseah; 8 musseabs \(=1\) cuda, nbout 2 linglish wine gallons. The long mensures are the huz \(=25\) English inches; the hand covid \(=18\) inches, aml the oung iron covid \(=27\) inches.
In compiling this article, wo male use of Milburn's Orieיtal Commerce, and Elmore's Directony. Nicbular has given a plan of the port of Mocha in his "oyage on Arabie, tome i. p. 3.18, cd. Amst. 1776. Ile has also given some detrils as th its trade in his Deseription de l'Arabic, p. 191. Jut tho best accomst we have seen of Mocha is in IInmilton's Account of the East Indies (vol. i. Ip. 40-52), en accurate and valuable work. Hurekhardt dill not visit Docha; which is to be regrected.
MOGADORE or SUIRA. A sen-port town

On the west coast of Moroceo, lat. \(31^{\circ}\) :30 X long. \(9^{\circ} 20^{\prime}\) W. l'opulation estimated at 20, , Now \(^{\prime \prime}\) including about 4,000 dews. It is iadifferently
fortillet ; the country in the imuelial fortillelt; the country in the immerliate vicinity
i. low, that, sandy and i. low, tlat, sandy, and unproductive. Water scarce and rather dear ; belong cither rain water collectel and preserved in cisterns, or loracht from a river about it mile dist:ant. The pron in forme. by a amall isla al lyhyg to the southwart of the town; lout as there is not more than 10 und 12 feet water in it at ebb tide, large ships anch without, the long battery bearing E. distant mile. The prineipal imports are, liaglish weollen aus eotton stuffs and harlwure, German linens tin, copjper, earthenware, mirrors, glass, sugar jepper, and paper. The exports primeipall consist of swcet and bitter almonds, gum arablit aud other gums, beeswax, cow anci calf sking ivory, ostrich feathers, gold-dust, olive oil, dale st.

The eity of Morocco, diatant from Mogulor about 4 days' journey (caravan travelling), derire its principal supplies of European protuee fter the latter; but for a long perionl, the fiseal rea lations and caprice of the Sultan pat setious hir drunces in the way of trade. Thas, for instanct it was part of the Govermanent policy to alum lutely prohibit the exportation of grain, even st time when it wasexccedingly plentiful in Moreco and very searee in the nearest parts of liurop The export duties were, even when trade wasp mitted, commonly 30 per cent. an the value of t article, and the import duties were paid in bit one-fifth of tho article imported. Under surb system trade languished, nad, as was statell a former edition, the exports to those regions ar raged during the 10 years endiag with 18 only 61,712l. a-year.
Under these circumstances, the British Gored ment entered into negotiations with the Sult and tho result was a treaty of commercesigned December 9, 1856, for the provisions of atio sce Treaties, Commercial.

Tornege of Mogatore in the Years 180:-4.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline & \multicolumn{3}{|c|}{1862} & \multicolumn{3}{|r|}{186.3} & \multicolumn{3}{|r|}{1864} \\
\hline & Vessels & Tons & Yalue of Carkoes & vesse 1. & Tons & Value of Cargors & Vencels & Tons & Talue of \({ }^{\text {a mac }}\) \\
\hline Finterct Clearsel & 71 & 21,7\%0 & 4
284,737
\(213,4.11\) & 100 &  & \[
\begin{gathered}
309^{\kappa} \\
301 \\
3.5, ~ \\
\hline
\end{gathered}
\] & 75 & 19,683
\(1 \times, 59\) &  \\
\hline
\end{tabular}

More than half of these vessels were British,
In ordinary years the most important export is the tonnage was sas, in 1860 chaninig In ordinary years the most important export is olive oil, of which \(94, \delta \dot{j} \cdot \mathrm{l}\) ewts, were exported in 1866 and but 12,689 in 1867 . Wool ranks next, then almonds, goat skins, slippers, wax, lides, and ostrich fenthers. The principal imports are Manchester coods, specie, and sugar. Mr. Consul White, of 'Tangier, in his Reports of April 9, 1867 nnd May 23, 1868, on the 'Irade and Commerce of Morocco, gives the following particulars, which speak for themselves.

Shipping.-The following return of vessels which entered Moorish ports during the 4 years miling with 1867 , shows that, although the number of vessels in 1867 was smaller than in tho provious year and in 1864, the tomage was greater:-
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[b]{3}{*}{1864
\(1 \times 6.5\)} & & \multirow[b]{4}{*}{:} & Vessels & Tons \\
\hline & \multirow[t]{3}{*}{:} & & 1,109 & 122,980 \\
\hline & & & 915 & 115,276 \\
\hline 1865 & & & 1,038 & 180,876 \\
\hline 1867 & \(\cdot\) & - & 991 & 183, 126 \\
\hline
\end{tabular}

The value of the cargoes in 1866 being \(1,037,9861\). and in \(1867,936,780 l\).

British Shipping.-The number of British vessels entering ports of Morsco was greater, al-

1866, 487 vessels of 69,752 tons, while to entered, in 1867, 517 Britiah vessels of 73,288 t
Foreign Shipping.-A very considerable crease is obscrvable in the number of Fre vessels trading with Moroceo. In 18050 onl) French vessels, of 16,441 tons, called at 100 ports, whilst in 1867 as many as 139 resel 39,9.16 tons, entered. This increase was ca by the establishment of a line ot steamer beld ing to the Messageries Impériales, which monthly, during 1866, and subsequentry tril month, between Tangier and Oran, ia cones deace with Algiers and Marseilles.
Exports.-The exporis trade of Moroco, 4 the three years ending with 1866 was stem increasing, the exports to France, duriag ? being greatly in excess of former ycars; but general exports, and especially those to Britain and Gibraltar, during the year \(18 \beta_{i}\). far sioort of those of the previous rear, thus:
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l8964

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M,

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Britioh mothai rts priscipaly ds, gum araluc anci calf skins
from Mogaln welling , denive in proluce five the fiseal rem put recious hit hus, for instance \(t\) poliey to aus frain, esch at entiful in. Notec parts of Eump hen trate wasp a the value of \(t\) were paid in his cd. Under surb , ins was statal o those regious as endiug with

Thisfalling off, says Mr. Consul White, may he Iunted for in a great mensure by tho shortuess /the crops.
Imperth.-Compared with 1865 and 1866, the nat 1867 - hows a slight decrense, thus:


To the year 1866, necording to M. St. Cliaffray, mofonsal at Rabat, there was a grent deeliise that port. 'fhe couses are the loses of crops, Ithat pran circulation of base money-n ol the general it appears the Government is remag for Which Cosular lhports 1866, No. 6.

Trade of Rubat.

yon-tecounts are kept in nutkecls of 10 am; ;hence being divided into 4 blankeels, and bevinisel into 24 duce. From their proprcing the Spanish dollar, the blankeel may frimatuld, the ounce at \(4 d\)., nud the nutkeel rater11 \(30.4 d\).
Fighthand Meanares.-The commercial pound rearlly regulated by the weight of 20 Spuaish hars: ind therefore 100 lbs . Nogalore weight, te quital, \(=119 \mathrm{lbs}\) avoirlupois. The market odiaprovisions is 50 per cent. heavier, or 4R2 02 avoirdupois.
Deom measures are for the most part similar theo of Spsin, but there are considerable dis7uim
fin exbit, or canna, \(=21\) English inches, is the inipal long measure.
\% mot ample details with respect to the 2d Mogadore, and the trade and nroductinns Hemes in general, may be found in Jackson's mod of Morocen, c. 6, 7 , and 13 ; see caiso Kelly's Widid for treaty with Morocco.
VORAIR (Ger. mohr ; Fr. moise; I'al. moerro; \(\mu\) mog muer). The hair of a variety of the wang goat, famous for being soft and fine as Im of a ailvery whiteness. It is not proadarwhere but in the vicinity of Angorn, in 4 Yinot. The exportation of this valuable Thadiful article, unless in the shape of yarn, tumeely prohibited; but it may now be exwispon. The proluction, preparation, and WXokair have long engrossed the principal wisn of the inhabitants of Angora; and it In form an important article of Venction rene. It is manulactured into camlets and Texpeasive stuffs. In 1867, 2,648,360 lbs. of ibair, salued at 342,106l., were imported the linited Kingdom, nearly the whole of anme from Turkey. It was reported worth ilpat ib. The arersge annual produce of the atrom Asia Minor is about 15,000 bags; the remeright per fleece \(5 \mathrm{lbs}\). ; and the ordinary chof rool from 6 to 8 inches; average weight chat tale 180 lbs .
* Rritish mohair fabrics are principally pre-
pared In Ilradfoid and ita immediate neighbourhool. (see for further particulars, 'Tournefort, Vonige dut Levent, ii. 463, where there is a thenre of the goat; nud Erfulart On Turkey and its Resources, p. 181.)
MOLASSEL: or MELASSES (Fr. sirop de suere, melasses; Ger. syrup; Itnl. mielazan di zucehero; Span. miel lo azucar, chancaca; lort. mehasso, assucar liquido; Russ. patoka sacharıaja). The uncrystallisable part if the julec of tho sugnr cane, separnted from the sugar during its manufneture. It is of a brown or lilack polour, thick and viseld; has a peenliar odour, and a sweet embyreumatic taste. Molasses is now charged with in duty of 3s. 6 d . per ewt. in place of the oll dinties of 9 s . for colonlal, and 23 s . 9 d . Lor foreign. It is not, however, usel in its orlgimi state, but is purchasel by the sugar-bakers, who, when it is of an odimary degree of strengtl, extract from it in erarse, soft species of suga, el lled bastards, and tracle. lint it is obvious, ina much as the duty on molasses is fixed, that the luty on the sugar extracted from it will vary indirectly according to the quantity of aaccharing matter which it contains; and we understand that, in consequence, molasses is frequently imported so rich as to yich groll crystallised sugar. We do not know whether the practice has been enrried to such an extent as materinlly to injure the revenue: bit it seems pretty clear that the diaty should depend, in part at least, on the quality of the molasser, or on the quantity of saccharine matter which it enntains, as well as on the weight. It is difficultunless advantage has been taken of the way in which the duty is assessed, to elude the sugar duties-to account for the fact of the imports of molasses from the West India lslands not havimry diminished in anything like the same proportion as the imports of sugrir. [Sucan.]
About 8 gallons of proof spirit may, it is said, be obtained from a ewt. of molnsses, such as hns recently been imported; but this depends, of course, wholly on the richness of the molasses.

Part of the refuse that remains after refining muscovado sugar, is a sweet syrup, which, as well as the syrup that remains after boiling molasses to obtain bastards, is called treacle. But tho treacle obtained from the former is always preferred to that obtained from the latter, and fetcles 2s. per ewt. more.

Molasses is sometimes used in preparing the coarser sort of preserves ; and on the Continent it is extensively used in the manufacture of tobacen.

In 1867,358,316 cwts. of molasses were imported; and 403,709 ewts. entered for consumption, of which \(2 \cdot 14,969\) cwts, were brought from Cuba. The duty during the same year nmounted to 56,119l.

MONEY. When the division of labour was first introduced, commodities were directly bartered for each other. Those, for example, who had a surplus of corn, and were in want of wine, endeavoured to find out those who were in the opposite circumstances, or who had a surplus of wine and wanted corn, and then exchanged the one for the other. It is obvious, however, that the power of changing, and, consequently, of dividing employments, must have been subjected to perpetnal interruptions, so long as it was restricted to mere barter. A carries produce to market, and IB is desirous to purchase; but the produce belonging to IB is not suitable for A. C, again, would like to buy l3's produce, but B is alrendy fully supplied with the equivalent \(C\) has to offer. In such cases-and they must be of constant occurrence wherever money is not introduced-no direct exchange could take place between the parties; and
it might be very difficult to bring it about in－ directly．The difliculties that would arise on such ocensiors，and the devices that would bo adopted to overeome them，have been very well illnatrated by Colonel Torrens，in his work on the P＇roduction of W＇ealth，p． 2 Eil．

The extreme inconveniences attending sach situntions must early have toreed themenges ou the attention of everyone．Efforts would，in con－ sequence，be made to avoid them；and ic would speedily appear that the best or rather tho only way in which this could be effected，was to ex－ clange cither the whole or a part of one＇s surplas produce for some conmodity of known value，and in general demand ；aud which，consequently，few persons would bo inclined to refinse to accept as an equivalent for whatever they had to dispose of． After this commodity had begun to be employed as a means of exchanging other commoditics，in－ dividuals would become willing to purchase a greater quantity of it than might be required to pay for the products they were desirous of imme－ diately olbtaining；knowing thit slould they，at any faturo period，want a further supply either of these or other articles，they would be ablo readily to procure them in exchange for this universally dedired commodity．Thomgh at tirst circulating slowly and with difficulty，it would as the nedvan－ tages arising from its use were better appreciated， begin to pass freely from：anud to liand．Its value， as compared with other things，would thus come to be universully known；and it womld at last bc used，not only as the common melium of exchange， but as a staniard by which to ineasure the value of ciler things．

Now this commodity，whatever it may be，is money．

In infinite variety of commodities have been used as money in different countries anci periods． But none cau be advautageously used as sueh，un－ less it possess severa？very peeuliar qualities．The slightest reflection on the purposes to which it is applied，must，indeed，be sufficient to convince everyone that it is indispensable，or，at least，ex－ ceedingly desirable，that the commodity selected to serve as money should（1）be divisible into the smallest portions；（2）that it should admit of being kept for an indefinite period without dete－ riorating；（3）that it should，by possessing great value in small bulk，be capable of being easily transported from place to place；（4）that one piece of money，of a certain denomination，should always le equal，in magnitude and quality，to every other piece of monev，of the same denomi－ nation ；and（5）that its value should be compara－ tively steady，or as little subject to variation as possible．Without the first of these qualities，or the capacity of being divided into portions of every different magnitude and value，moncy，it is evi－ dent，would be almost useless，and coald only be exchanged for the fev commodities that might happen to be of the same value as its Indivisible portions，or as whole multiples of them；without the sec，md，or the capacity of leing kept or hoarded without deteriorating，no one would chouse to ex－ change commodities for money，except only when he expected to be able speedily to re－exchange that money for something else；without the third，or facility of transportation，money could not be cun－ veniently used in transactions between places at any considerable distance ；without the fourth，or perfect sameness，it would be extremely difficult to appreciate the value of different pieces of money； and without the fifth quality，or comparative steadiness of value，money could not serve as a standard by which to measure the value of other commodities；and no one would be disposedito
exchavge the produce of his inilustry for an artic that mifht shortly dectine censiderably in power of purchasing．
The union of the different qualitics of comp uve steauthecss of value，divisibility，durability
facility of transportation，and facility of transportation，and perfect eamene in the precions metals，doubtless，furmed the in sistible reason that has induced every civition community to employ them as money．The ral of gold and silver is certainly not invariable， renerally spenkiug，it changes only by degrees；they are divisible into any number parts，and have the singular property of casily reanitel，by means of fusion，withoont hoy do not deteriorato by being kept；and if their firm and compnet texture，they are dillleult to wear．Iheir cost of production， cinlly that of gold，is so considecalle，that possess grent value in small bulk，and can conrse，be transported with eom；arative facili and an ounco of pure goly or silver，takea the mines in any guarter of the world，is preci equal，in point of quality，to an ounce of gold or silver dug from the mines in any quater．No wonder，therefore，when all qualities necessary to constitute moncy are sessed in so eminent \(n\) degree by the pre metals，that they have becos asel as such，ing lised socicties，from a very remoto era． becamo universal money，＇us Turgot hasobse －not in consequence of any arbitrary arreet annong men，or of tho intervention of any laf by the nature and foree of things．＇
When first used as money，tho precions m were in an unfashioned state，in bars or in The parties linving agreed about the quati metal to be given for a commodity，that gur was then weighed off．But this，it is phin， have been a tedious and tronblesome pruces， doubtedly，however，the greatest obstacle would be experienced，in early sges，to tha gold and silver sis money，would be four consist in the difficulty of determining the of their purity with sufficicat precision；a discovery of some means by whieh their and fineness might be readily and correctly tained，would be felt to be indispeassble to extensive use as moncy．Fortunstely， means were not long in being discopcred fabrication of coins，or the practico of impa pieces of the procious metals with a stam cating their weight and purity，belorgs remotest antiquity．（Goguet，De i＇Origit Loix \＆c．tome i．p．269．）And it may saf affirmed，that there have been very few inre of greater utility，or that hare done m aceclerate the progress of improvement．

It is material，however，to observe，that troduction and use of coined moncy ms change whatever in the principle on whil changes were previously conducted．The saves the trouble of weighiag and assagio and silver，but it does nothing more．It the weight and purity of the metal in \(a\) the value of that metal or coin is in a determined by preciscly the same principle determine the valuc of other comnocitif would be as little affecied by being reviry a new denomination，as the burden of ash change of her na．ne．

Inaccurate notions with respect to the in of coinage seem to have given rise to the so long entertained，that coins were me signs of values！But it is clear they more claim to this designetion than bass or copper，sacks of wheat，or any otherdum They exchange for other things，beanet ationoblis in pubite freter，thou， xameimes be p （ke Principles mattor of this w So certain est mandiy of mon detormined mincs it has to traxnomising it rea，it is very co thlly of gold wry expense． dat the wish to I Ithe chief cans wramerial nation
mace of some mery of some 1 ming substitutes
Mure is，in all r aphorment scems lus circumstar matry．When G werifid and intell sactracte，individ shrom others， errain specificd bise to whom Estbecibers ary yugtions are res Mut when \(\frac{\text { Min this way，}}{}\) mituals begia to matis begis to to color being rea rey in the ordinar muth und disacretion sapplied to for
ry for an artice derally in il lity, durabilit effect samene formed the in formed be ing jucy. The ral invarinhle, b 3 only by al , any number property of bet sion, vithout gept; oad, ify re, they are r proxuction, es bulk, and can migrative facilif r silver, taken ff e world, is precis 0 an ounce of p mines in any 0 fore, when ill tute money are ree by the preed used as such, ing remote era. 'Turgot has obse arbitrary ouree ention of any lax hings.'
\(y\), the precious ate, in bars or in about the quanti nmodity, that qua \(t\) this, it is plain, ublesome process. greatest obstacle carly ages, to the y, would be cours determining the d cient precision; 4 by which their tily and correctly indispeasable te

Fortunstelf being discopered a practice of impr ctals with a stam purity, belorgs oguet, De TOrigi And it may sa been very few iors at have dooe improvement. to observe, that coined moocy ms principle no whin conducted. The ching and assay thing mote. It \({ }^{3}\) the metal in a Ca or coin is is 4 e same principle other commoditi 1 by being recoing the burden of asco
\(h\) respect to their Given rise to the \(t\) coins were me \(t\) is clear they artion than baty or any olverne
desinble articlea, and aro possessed of roal ininacic ralue. A draft, check, or bill may not mperls, perhaps, be regarded ns the sign of mprpmes to be given for it. But that moncy is . but a commolity; it is not a sign-it is wathing bu signilled.
Moner, however, is not merely the universal Money, how marchundisc benule, used by sociciy : Ait alon the stumelard used to comparo the values elleots of products; and the stipulations in the eatbalk of contracts nuid deeds, as to the delivery gal dippoal of property, have all reforence to, anil ane commonly expressed in, quantities of money. It is plain, therefore, of the utmost importance antit value should be preserved as invariable ypsible. Owing, ho rever, to improvements in ypasible the cxhaustion of oll mines, nnd the diswrery of new ones, the value of the precions nadis is necessarily ineoustant: though, if wo aredt the effects produced in tho 10th century thedisowery of the American mines, it loes haspar to hive varied so much nt other times suappar tova been anticipnted. (Great misclief smigat hace been repentedly oceasioned by the denqe that have been made in inost countries in we weight, and sometimes also in the purity, doins; and since the impolicy of these changes hes bea recognised, similar, nud perhaps still - whe extesive, disorders have sprung from the inmper use of substitutes for coins, It is, indeed, b guredrious, that no chnuge can take place in per rise of money, without proportlonally affectingtepeuniary conditions in all contrnets and aremats. Mluch, however, of the influenco of sdamed depends on its direction. An increase thaterbe of moncy is uniforanly more prejudidalionpublic point of view than its diminution: tim kuer, though injurious to individunls, may xatimes le productive of national advantage ; tol owh can never be the ense with the former. (ent Principles of Political Fconomy, by the witho of this work, 3rd ed. pp. 510-515.)
So certain estimate can ever be formed of the puntity of moncy requirel to conduct the busiyon of asy country; this quantity being, in all axa delemined by the value of money itself, the minces it has to perform, and the devices used fresoomising its employment. Generally, howreait is vely considernble; and when it consists whly of gold and silver, it occasions a very lurre expense. There can, indeed, bo no doubt Hentie wish to lessen this expense has been one dthe chief canses that have led all civilised and ramerial nations to fabricate a portion of their exery of some less valuablo matcrial. Of the mixs substitutes resorted to ior this purpose, Fiper is, in all respects, the most eligible. Jts mployment seems to have grown naturally out The circumstances incident to an advancing madty, When Government becomes suthiciently prefila and intelligent to enforce the observance Ionaracts, individuals possesed of written prowom others, that they will pay cortain sums certain speeified periods, begin to assign them those to whom they are indebted; and when - stbecribers are pe:sons of fortune, and of f ymese solvency no doubs can be ontertained, their Whations are readily accepted in payment of 4ts. But when the circulation of promises, or In, in this way, has continued for a while, inmindaas begia to perceive that they may derive pett by issuing them ia such a form as to fit mon being readily used as a substituto for mefy in the ordinary transactions of life. Hence aongin of bank notes. An individual in whose alth and discretion the public have confidence, aing applied to for a lonn, say of 5,0001 , grants
the applicant lids biil or note, payable on demand, for that sum. Now, ns this note passes, in consequence of tho contidence placed in the jssier, cuirently from haud to hand as eash, it is quite as useful to the borrower as if it hul been rold; nud supposing that the rato of interest is \({ }^{5}\) prr cent., it will yidh, so long ats it continues to circulate, a revenuo of \(2 \mathrm{~F} \% 1\), a-year to the is iner. A banker who issnes notes, coins, as it were, his credit. Ile derives the same revenuo from the lonn of his written promise to pay a certain sum, that ho conld derive from the loan of tho stm itself, or of an equivalent amount of produce! And whilo ho thus increases his own income, he, nt the snmo time, contributes to increns3 the wealth of the public. The chenpest species of currency being substituted in tho place of that which is most expensive, the superiluous coins are cither used in the arts, or are exported in exchange for raw materials or manufactured goods, by the uso of which both wealth und enjoyments are increased. Ever since the introduction of bills, almost all great commercial trmanctions have been carried on by means of paper only. Notes are algo used to a very grent extent in the ordinary business of society: and whilo they are readily exchangenble nt the pleasure of the holder for coins, or for the precise quantities of golil or silver they profess to represent, their value is maintained on a par with the value of these metals; and all injurious fluetuations in the valuo of moncy are as ellectually avoided is if it consisted wholly of the precious metals.

In common mercantile language, the party who exchanges moncy for a commodity is sait to buy; tho party who exchanges a commodity for money being said to sell. Price, unless where the enintrary is distinetly mentioned, always means the value of a commodity estimated or ratied in money. (lior a further account of metnllic money, see the articlo Cons; and for an account of paper money, see the articlo llanks.)

MONOPOLY. By this term is usmally meant a grant from tho Crown, or other competent authority, conveying to some one individual, or number of individuals, the sole right of buying, selling, making, importing, exporting \&c., some one cont modity, or set of commodities. Such grants were very common previously to the accession of the House of Stuart, and were carrie. to a very oppressive and injurious extent during the reign of Queen Elizabeth. The grievance became at length so insupportable, that notwithstandiog the opposiion of Government, which looked upon the power of granting monopolics as a very valuable part of the prerogative, they were nbolished by the famons Aet- of 1624 , the 21 Jas, I. c. 3. This Act declares that all monopolies, graits, letters patent for tho solo buying, selling, and making of goods and manufactures, shall be null and void. It excepts patents for fourteen years for the sole working or making of any new manufactures within the realm, to the true and first inventors of such manufactures, provided they be not contrary to law, nor mischievous to the Staic. It also excepts grants by Act of Parliament to any corporation, company, or society, for tho enlargement of trade, and letters patent concerning the making of gunpowder \&c. This Act effectually secured the freedom of industry in Great Britain; and has done more, perhaps, to excite the spirit of invention and industry, and to accelerate the progress of wealth, than any other in the statute book.

MONTEVIDEO. A seaport, and the capital of the republic of Uruguay, on the north bank of tho Rio de la Plata, lat. of the lighthouse \(34^{\circ} 03^{\prime} 15^{\prime \prime} \mathrm{S}\).,
long. \(56^{\circ} 14^{\prime} 15^{\prime \prime} \mathrm{W}\), Population 37,787 in 1862, and with Cordon and Aquada 45,765 in 1862 (Johnston'a Gazetteer). The town is built in the form of an nmphitheatre, on a regular plan, and is well fortifictl. It has suffered much from the various revolutions to which it has been subject during the last 30 years.
Montevideo is situated \(2^{\circ} 3^{\prime} 33^{\prime \prime} \mathrm{W}\), of Cape St , Mary, the northern limit of the emiouchure of the La Plata. Vessels from the north bound to Montevideo gencrally make this cape, entering the river between it and the small island of Lobos, in from 14 to 17 fathoms. The collrse is thence nesrly W. to the isle of Flores, on which is a lighthouse 112 fect quove the level of the sea, with a revolving light, From Flores to Montevideo is 16 miles in a direct line, and the course W. by S. by compsss. A lighthouse, 486 fect above the level of the sea, has been erected on the sumbit of the Montevideo, whence the town has its name. The light is visible for 25 miles in elear weather, and gives a flash every three minutes. Since 1862 the dial plato in the south fower of the Cathedral has been lighted with gas. The latter is built on a projecting tongue of land, the port being on its S . side. This, which is the best on the La Platn, is a large circular basin open to the S.W.; generally the water is shallow, net exceeding from 14 to 19 feet, but the bottom being soft mud, vessels are seldom damaged by grounding. It should, however, be observed that the depith of water in the harbour, as well as throughout the whole of the Rio de la Plata, depends very much on the direction and strength of thu
winds. The S.W. wlncl, called pamperoe, ble right into the hay of Montevideo with murh fine not unfrequently causing s nise of a fathom of more in tlepth of water ! But it rarely eccasima much damage to vessels properly moned with
anchors to the S.W., S.E., and anchors to the S.W., S.E., and one to the \(S\)
(Blunt's American Pilot. (Blunt's American Pilot, pp, 542-555; coulis Sur les Phares \&c.)
Montevileo has a considerable commerse. The great articles of export consist of animal products,
or of hides, heef, tallow, hatir, or of hides, heef, tallow, hair, bones, greave, w iod
dc. The imports princinally dc. The imports principally consist of british cottons, woollens, and hardware, flour, wine and spirits, linens, sugar: tobacco, boots and shoos salt de, In 1867 the value of our total expont of British - produce to Uruguny was 1,tie, meve and of our imports therefrom \(1,2: 2,2,228 \mathrm{~L}\)
dutime on murnaty.
In National or Foreign l'esela, at Memteride 1. Machloery, agricultural impliements, insurument used
mapa
8. Silt, raw and wriaght, laces, ulmde, pold and silver entroidery, watches, je evellery, walpeters, plaster or Parlis, coal, timber, cotion fringe, and woodei 3. Powdet, plech, tar, ronln, and naval sores4. All ray materiats and manutactured anticle, not
 and clnamun, aplces, druxs, and lyorisuona in 6. Furniture, platures, looking-klasees, musical hastru. ments, a.l corts of carriages, capts dcr, and clotha of the manufacture of the adjacent pro. vinces, which pay 15 per cent.), nadip-made vime gar, ale antl porter, elder, toliacco, and socip. 25 pee . Itiden of all elasses, hair, horna, tallow, sulrer gold, in bullion or cols

Account of the Quantitics and Values of thr Principal Articles Imported into the Unit Kingdom from Montevideo in cach of the 3 Years ending with 186".


Account of the Quantities and Values of the Principal Artives of British Produce and ald facture Exported from the United Kingdom to Montevideo in each of ahe 3 Years end with 1867
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Principal Articles}} & \multicolumn{3}{|c|}{Quantities} & \multicolumn{3}{|r|}{Sheclared Real Value} \\
\hline & & 1865 & 1866 & 1867 & 1865 & 1866 & 150 \\
\hline Apparel and haberdashery & value & & & & \(\stackrel{4}{47}\) & \({ }_{66}^{6}\) & 8in \\
\hline Heer and ale *** \({ }^{\text {cols, }}\) & barrila & 3, 3.4 .48 & \% \(\begin{array}{r}7,658 \\ 118.612\end{array}\) & 11,918 & \$40,191 &  & 90, \\
\hline Cotons, entered by the yard & yards & 12,273,404 & 21,067,067 & 20,103,797 & 237,395 & 5:31.24 & 110 \\
\hline Earthenvare and porcelaln & value & 二 & & & 23,915
13,142 & 64,593
15,693 & \% \\
\hline Hardw ares and cutlery & ewta. & 12,530 & 16,148 & 21,508 & 61,368 & 35, 1518 & IT \\
\hline Iron, wrought and unwrought - & tona & 3,630 & 7.152 & 11,403 & 37,737 & 90,19 & 18, \\
\hline Leather, wrouzht and unwrought & yalue & 1,669,308 & 2,299,508 & 3,235,663 & \(\begin{array}{r}8,782 \\ \hline 9,042\end{array}\) & 71,993 & 崖 \\
\hline Painters' colours, not otherwlse detcribed & value & 1,600,008 & 2,205,006 & 3,232,663 & 5,2x4 & 4,911 & 15 \\
\hline silk manufuetures \(\quad\) : & & & & & 13, 066 & 16,635 & \% \\
\hline Whol plates entered by the yard & yarts & 1,178,631 & 1,656,812 & 1,930,221 & 117,939 & 176, 15 & \% \\
\hline All other artieles ei value & value & 1,27,631 & \% & 1,030,224 & 10,186
87,689 & 186,63
114014 & \% \\
\hline Total . & & - & & - & 812.861 & 1,392,803 & \\
\hline \multicolumn{8}{|l|}{A small charge is made for warehousing and Foreign flour pays as follows:-} \\
\hline \multicolumn{8}{|l|}{porterage on passing through the custom-honse. od dollars per barrel, when wheat is ruth} \\
\hline \multicolumn{8}{|l|}{Goods may be bonded for an indefinite period,} \\
\hline \multicolumn{8}{|l|}{during which time they are subject to a moderste 6 dollars per barrel, when wheat} \\
\hline \multicolumn{8}{|l|}{wareliouse rent. \({ }^{5}\) dollars per fanega.} \\
\hline
\end{tabular}

\section*{MONTEVIDEO}
dillare, when wheat is worth 5 to 7 dollars dollars, when whent is worth 5 to 7 dollars ? doullar, whea wheat is worth 7 to 9 dollars. d dullars, whea wheat cxceeds 9 dollars.
Mheat:-
3 doilars per fanega, when wheat is worth 2 to s dullars per fanega.
Q dollare, when wheat is worth 8 to 6 dollars. ? Jolars, whea wheat is worth 6 to 10 dollars. tdolar, whea wheat is worth abovo 10 dcliars Soldaing,
per inega.
pro innega.
(impls tranghipred, or shipped out of bond, pay epsent.
foreing goods, shipped in vessels of less that: freien gonsen, for ports of the Uruguay and Puggar, pay only 1 per cent.
8. Aligoods imported, paying duties, are subject unav an adilitional 1 per cent. to the consulado; hercent, to the hospital; and, for tho extinction dictopper money (this has, mucli to the honour The authorities and peop,le, been alrearly accomWhe aution the duty is maintained for general papres), 1 per ceat. additional on all guods that parj pet cent.
ane medrd thet pay 13,13 , and 20 per cent:

- 3 per cent.
\(: 10\) per cent.

\(: 3\) per cent.
Dtitu on Erports in National or Foreign Vessels,
0n mi cow hides, 2 reals, 25 centesimos, for resonilo yaluations of 1 dollar, and 1 per cent. conodela.
Hone tides, 1 real for reconuidor, on valuations C 5 malsfarconuidor esch, and 1 per cent. conTulda
Andarpoluce of the country pays 4 per cent. na tie mathet value, and 1 per celt. consulado. Jetid and salt beef, pork sc.; also all forrign mad thas have paid the import duty, free.
Goll and silver, coined or in bullion, 1 per cent.
Venets
Fontign National
Momp-Tonnage rion bejond sea
\(\overbrace{}^{3}\) reals 2 reals Drine ading and unloading both classel piy

Witional and foreign vessels, that neither disure nor load carg 0 , and that do not remain methr 6 days, pay nothing; those that remain He babour more than 6 days pay onc-third of * alore tonnage dues.

Saboul vessels, and vessels belonging to the mines of Buenos Ayres, employed within the on Plate, callell consting, pay for a license for a rojage as follows :-


Iapital dues,-Nstional and forcign vessels,
4f for a foreign port beyond sea or in the
Plate, pay 2 dollars for the vessel, 4 reals for uptain, 2 reals for each seaman, 1 dollar for tpasenger.
Rialage from Montevideo to Buenos Ayres to piil in Bontevideo.
The draft of rater do not exceed
\begin{tabular}{|c|c|c|}
\hline 9fre. Patrex meaure & \multicolumn{2}{|l|}{50 dollars} \\
\hline \(10^{\text {20 }}\) & \({ }_{8}^{6}\) & ". \\
\hline \(11 / 18\) & 80 & , \\
\hline 13 & 120 & " \\
\hline 14.13 & 110 & " \\
\hline 13
165 & 160
190 & \(\ddot{0}\) \\
\hline 1718 & 2\%) & " \\
\hline
\end{tabular}

MUSCAT
Moneys, Weights, and Measures.-Paper money there is none.

Current money, the Brazilian patacon and Spanish dollar ; they pass for 9G0 centesimos.

100 cents make a real.
800 cents, or 8 reals, mako a dollar.
960 cents, or 9 reals 60 cents, make \(1 \ddagger\) current
dollar, or 1 hard dollar or patacun.
Weights and measures same as those of Spain. [Cadiz.]
morocco. [Mogadone; Theaties, Commencial.]

Monisceo or Maroquin (Ger, saffiam; Fr. maroquin; Ital. marrocehino; Span. marroqui; Russ. satian). A fine kind of leather, prepared of the skins of goats, imported from the Levaut, Barbary, Spain, Frence \&c. It is of various colours, as rell, green, black, yellow \&c. When of the best q:ality, it is superiur to every other material for the binding of books. Aıd a volume that is bound in morucco by a first-rate artist, provided it be well preserved, and of an age to be properly toned down and mellowed, is jnstly deemed a prize, and always fetches a very high price. Morocco is, howerer, very extensively counterfeited, anil books said to be in moroceo are often donis up in the vilest sheep-skin, dyed and prepared in imitation of the genuine article. The fraud is casily diseovered by coanoisscurs, but it is perjetrated to a great extent on the ignorant and unwary.
\(\ln 1867\) we imported 762,442 undressed, and 2,106,208 tanned. tawed, or dressed goat skins of the total value of \(317,364 l\).

MUNJEET. A speeies of madder (Tiubia munjesta) produced in Nepaul and in other wild districts of India.

That which is brought to Fngland is imported cliefly from Bombny and Sinde. The roots are long sind slender, and when broken appear of a red colour. It is used in dyeing; the red whieh it produces being, though somewhat peculiar, nearly the same as that produced by European madder. Dr. Baneroft says that the colour which it imparts to cotton and linen is not so durable as that of madder, bint that upon wool or woollen cloth its colour is brighter and livelier; and, when proper mordants are used, nearly, perbaps quite, as permanent. (Permanent Colours, vol. ii. p. 2i9.) The best munjeet is in pieces about the bigness of a small quill, clean and firm, breakin; short, and not pipy or chaffy. Its smell somewhat resembles liquorice rout.
Being a very bulky article, as compared with its value, the frcight adds greatly to its cost. This seems to be the principal reason of its being so very little used in Great Britain, that the entire imports, during tho 3 years ending with 1840, amounted to only 3,539 cwt., and in 1867 to unly 360 ewt., valued at 504l. The brokers estimate that 4l. per ton of freight is equal to 11 s .1 d . per cwt. on the valuo of thic article; F,l. per ton being equal to 13 s .10 d. ; 6 l , to 16 s .7 d. ; and 7 l . to 19 s .4 d .; and as the price of manject in bond varies from 12s. to 15 ss . jer cwt. it is plain it cannot be imported in any consideruble quantity, except when freights are very much depressed. It is mostly imported in small packets or bundles of 600 or 800 to the ton; but sometimes it is pncked in bales like cotton. (Stevens On Stourage.) [Madien.]

MUSCAT. A city and seaport situated on the east const of Arabia, about 96 miles N.W, of Cape Rasselgate (Ras-el-mad), in lat. \(23^{\circ} 38^{\prime}\) N., long. \(58^{\circ} 37 \frac{2}{2}^{\prime} \mathrm{E}\). It is the chicf port of the kingdom of Oman, a slip of land running linlf-way down the Persian Gulf on its western side and the sen 3 M
of Oman to Ras-el-mad, and thence along the S.E. const of Arabia to Dofar.

In the 16 th and 17tli centuries, the town was in possession of the Portugnese, as was Oman and the aljoining islaud. After a century and a half the Dutch drove the Portugueso out. They were expelled, as were also the l'ersians, in the midde of the last century, when a line of native soveremish suceceded. Of these sin'ned, who commenced his reign at the beginning of the present century, was the most energetic and powerful. It was in the interest of this man's son 'Thomaynee, known, but ineorrectly, under the name of the Iman of Museat, that the English interposed (l'algrave's Arabia, ii. 285), and the trade of Muscat became so enrly known. Population mecertain: luat estimated by Lient. Wellsted at 40,000 , which wo incline to think beront the mark. There nre more Ihnians here than in any of her eity lin Arabia. There are amongst them some very extensive merchnits, who engross ahmost the whole pearl trade of tho Persian Gulf, and tho supply of corn from India. 'I'he negro slaves are numerons, and are generally stont, well made, and active.
The harborr, which is the best on this part of the Arabian const, opens to the north, and is shaped like a horse-shoe. It is bounded on the W. and S . by the lofty projecting slores of the mainhand, and on the E. by Musent Island, a ridge of rocks from 200 to 300 fect high. The town stmads on a sandy beach at the south end or bottom of the eove or harbour, nbout if mile from its month. The depth of water nenr the town varies from 3 to 4 and 5 fathoms. Ships at anchor are exposed to the north and north-we \(t\) winds; but ... the anehorage is everywhere grod, aecidents are of very rare occurrenee. Tho harbour is protected by some pretty strong forts. Vessels are not allowed to enter after dask, nor to leave before sumrise. If the usunl signal be made for a pilot, one will come off, but not otherwise. It is best to make them attend till the vessel be secured, as they lave excellent boats for carrying out warp anchors.
Muscat is a place of considerable importance, being at once the key to, and commanding the entrance of, the Persian Gulf. The gove roment of the Sultan of Oman is more liberal and intelligent than any other in Arabia or Persia. The town, situated at the bottom of a high hill, is ill-built and tilthy; and, during the months of July and Augast, is one of the hottest inhabited places in the world. The country in the immediate vicinity of the town is extremely burren; but it improves as it recedes from the shore. Dates and wheat, particularly the first, are the principal articles of proluce. The dates of this part of Arabin are held in high estimation, and are largely exported, those of Bushire and Bussorah being imported in their stead. \(\Lambda\) date tree is valued at from 7 to 10 dollars, asd its annual produce at from 1 to \(1 \frac{1}{3}\) dollar. An estate is said to be worth \(2,000,3,000\), or 4,000 date trees, according to the number it possesses.

But the place derives its whole importance from the commeree and navigation of whiek it is the centre. The Imaum has some large ships of war, and bis subjects possess some of the finest trading vessels to be met with in the Indian seas. The part of Arabia adjoining to Museat is too poor to have any very considerable direct trade; but, owing to its favourable situation, the baekward state of the country round the Persian Gulf, and the superiority of its ships and seamen, Museat has become an important entrepôt, and las an extensive transit and carrying trade. Most European ships bound for Bussorah and
lushire tonch at it ; and more than half the 'ralt of the Persian Gulf is earricit on in ships le exelnsive of the ports on the Gulf, aud if lint and west coasts of Arabia, slijps under the sont the Imnum trade to all the prorts of Brition har to Singrpore, Java, the Mauritins, the east what of Africa de. The pearl trale of the terniest Gulf is now, also, wholly eentred at tersian All merchandiso passiner in, the Gute Murcar lootoms pays a duty of f per cent, to the Imar ITe also rents the islands of Ormuz and Kistime the port of Ciombroon. and some sulhbur mi from the lersinn tiovernment,

In the magnaines of llaveat ray tin f every species of produce improted into te foun from the l'ersinu finlf. Firiows atticles also imported for the use of the surreman comintry, and for the internal consomption Arabial. Among these, the primeipal are ripte sur eoftee from Mocla, eotton and coltoa clithe sum mits, wood for building, shaves from Zanue intes from Bushire and Bussurah \&e, Pirm for these is chietly made in specic and rearlis: they also export drugs of vations descritis ivory, gums, liides, ost rich feathers, horvece, the tins, a sort of earthen jars, called dlatuban 'lranquebar, dried fish, an exteemed swan called hulvohh, and \(n\) few other articles.
The markets of Museat are abundautly supp with all sorts of provision. lleef, mutton, vegetables of good quality may be had \(3 t\) times, and reasonably chenp. The bar lite swarms with the greatest variety of mos eellent fish. Water is execlleat. and is enas to the beach in such n manner that the caks vessel may be filled in her ionts white Fire-wool is nlso abundant, and is cheaper ie Bombny.

No imports have reached the United King from Musent during the last tive years \(10{ }^{3} 0^{\circ}\) and the exports are merely a small amount the value of whieh, in 1866, was but 2.92 the trade of Musent with British ladia the decline.

The general rule in all the Gorerament cus houses on the sea line from Balireyn to Eorr exact a rial, i.e. is. for every full-sizel balt embarked, whateser its contents, a bale wei on the average from 60 to 70 lb , avind The duty is, of course, very unequal, being 15 per cent. on dates, 1 cn cloth, about 40 rice. The average daily disembarkations ars the large havens of Linja, Sohar, Matzab, and the like, they are more, at smaller port The medium quota of calls is 60 , add in customs duties may be held to amount ax to 810,0001 . The total revenue of the kio Oman is reekoned by lalgrave at 1,060, , yenr. (Palgrave's Arabia, vol. ii. 384.)

Money, Weights, and Measures.-- daoun nre kept in goz and mamoodies: 20 mamoody: and 20 mamoudies \(=1\) dollhr Persian, Turkish, nud ladiaa coins, as French and German crowns, and Spanish nre met with; their value fluetating " lemand, and they are generally sold by m
The weights are, the cusha and mau cushas \(=1\) maund \(=8 \mathrm{lb} .12 \mathrm{oz}\), avoirdupou
Niebuhr thinks that Muscat occupies the Mosea of Arrian and other Gret (Voyage en Arabie, vol. ii. p. 71 eld Ims a conjecture which seems to be conim merely by the resomblance of the amp by the terms applied by Arrian of lex sufficiently descriptive of Musce and port is bounded on all sides by moks,

\section*{MCSK}
nore than liall the truld arried on in ships ? 3. [Bessutur., ] Bot the gulf, aml ine som ships under the tha, e purts of Britivh hodia 1 trade of the cast cuas 1 trade of the Persiad ly centred at Ma ul) the Gulf ar Atat per cent. to the lmanin of Ormuz and Kislime nit some sulphur mis nent. Museat may be lum ururted into or expuct Parion articles se of the surpomitio iternal consumption primeipad ate rife, su; and cotton cloth, che sluves from Zanouth Bussurali de. Parm It specie anil pearls: of varions descriptio li fenthers, harses, that ars, cotled Martuban, an esteemed swectm other urticles. are abundantly sur ion. Beef, matton, lity may be had \(t\) heap. The bay lite est variety of most xcellent, mad is coar anner that the caks her boats while nt, and is cheaperth
ted the United äing e last tive years lix Ir a small amount of 866 , was but 9.20 ith British lndia
the Government cuif om Balreyn to Sorr every full-sized bal contents, a bale ne 30 to 70 lb . avoird very unequal, being cn cloth, about 4 disembarkations ara a, Sohar, Jatzat, y core, at smaller port calls is 60, and th held to amount a revenue of the th P'algrave at 1,060 bia, vol. ii. 384. ) Measures.- Accoun/ mnmoodies: 20 amoercies \(=\) dolas Indiaa coins, \({ }^{23}\) wns, aad Spanish
alue fluctuating enerally sold by e cuslia and mas 12 oz avoirdupo Museat occupies th and other Greet ii. p. 71 ed. dms ims to be canira nce of the nama \(y^{*}\) Arriall to Ves of Musce and il sides br mocks
pearance as in antinuty. Jr. Fincent peaks Woina to the west of Cape inclined to place Nosa to the West of Cape Rasselpate. (tommerce and Wiatigation of the Ancients, vol ii n3it-3ti. For further particulors, besides the suthartits atwre referred to, see IInmilton's Nev tawnt of the East Indi's, vol. 1. 1). 68 ; F'raser' Jurney to Khorasan, MD. 5-19; Wellsted's Tand in Arabia, i. Pr. 1•, 15; Pulnrave's Inobin. The longitute siven above is that of Itrwsaith's Chart of the I'ersian Gu/f.)
Hisk (Fr. muse; Gur, lisam; Duteh, muskus on. auschio; Span. almizele; Russ, museus dwh. and Pers. mishk). Is obtnined from a geves of deer (hloschus moschiferus) inhabiting the Apine mothtams of the east of Ania. 'The nus io found ia a small bag muler the belly Wad is in grains eoncreted together, dry, yet sighle unctuons, and tree from srittiness iwe Foblid betreen the tingers or chewed. it has wdiar, aromatic, and extrearely powerful as whe whd diflisible odour; the taste is bitterish whart: and the colour reddish black or deep townh. with a shade of red, It is imported inte mand from Chinn in caddies containiner frum (5) Sow en, each; but an inferior kind is brought rad bergal. and a still baver sort from Linssia. Thetest is that which is in the natural follicle or Wh Beige a very high-prized article, it is tionslatitated. 'that which is mixed with the amall" Slond may be discoverad by the largenesu al the lump or clots. It is sometimes mixes. with a dati highly coloured, friablo mes mixed thinapens to the touch to be of a more crimub fige letaren and is harder ns well as heavier spemice musk. 20 cwt. of musk are alluwer hid It was not permitted to be brounght whe in the China ships belonging to the liast bis Cimpany: (British Pharmacopeia, 1867 . hawa's Dispensatory; Milburn's Orient. Com.) Nis the imports and exports of musk were gatiedy \(1+, 158\) and \(10,280 \mathrm{oz}\)., worth about 21002 . ifter being reduced in 1832, the irm musk was finally repealed in 1845. weldak; Fr. mousseliu, nesseltuch; Dutch, whon; fr. mousseline; Itnl. moussolina mastina; Russ. kissea). Is derived from midd mousule or mouseln, a name given to it thin sort of cotton eloth, with made. It is a the surface. Formerly the surface, Formerly nll muslins were imtod from the East ; but now they are manuared in immense quantities at Manchester, win \&c, of a fineness and durability which ren considerably cheaper same time that they TWTHRD (Gersiderably cheaper. [CoTTON.]
ke; lal. mostarda. nustert, senf; Fr. monashiza; Lat, sinapis; San. mostaza; Russ. dplant (Sinapis) of Arab. khirdal; Hin. cs, somc of them indich which there are several k, some of them indigenous to Great Britain it is aon sellom extely cultivated in Durham, ferer, raised in seen in that county. It is, throughont other neighbourheod of York, leing manufactured in the North Riding; muds sold under the in the city of York, is Hustard is of the nonme of Durham musmusia melica ond considerable importance in cimati, ls mean is extensively used as a pagent initating odelow hue, nerid taste, lim to all. It was not, benen mixed, are resent form, at our tables, however, known in preionsly been merely pounded in . The seed in that rude state separated from the inortar, 3 and prepared for use. But at the interu-

\section*{MYRRII}
burhed to, it oceurred to a Mrs the mam, to grind the seed in a Her man in the same wny that th, and to treat Ter mustard was, in eonsequenee four is treated. and, heing aproved by Gequence, very superior; into general use Mrs george It, speedily came for a considerable time, Clements kept her neerot fortunc. In Jengal and and nequired a competent mustard is extensively cultivated, as comntries, Burope, for the purpose cultivated, as rape is in Ihurmmeopesitz; Bailey's Suelding oil. (Irritish 147; London's E'ncyc. of Auricey of Durhum, p. T'wo varicties of nus dgric.)
tivated in England, both to are extensively culnad for forage, the white nud bluck oly a condinent former is crrown laryely in black, or brown. The river Blackwater and Shel in Essex between the of this remion being about dioporicss, the produce and in the fer shire, which supuly ats of Camintidge and Yorkwhen this soil manured, the mustard will rieh, is abumdantly hirh, mud become a will grow from 5 to 7 teet The average yield is 30 busp mass of vegetation. mamufacture the seed is alred to the nere. For perature, then erished to dried at a high temstamped tine and sifted express the tixed oil, tlour and tmenderic. sifted, and thally mixed with would be too pungent the bure flour, it is said, The chief manufactory of must for use. and there are some considerable fal is at Norwich, don. About 5,000 tons of wustard factores in Lontured annually. (Private of mustard are manufacof mustard seed (Private information.) \(37,472 \mathrm{cwt}\). from India and IHolland.
MYROMIL Hohand.
ferent varieties of terminaline dried fruits of diffrom the size of an olive to the fruit, varying eonsists of a white pentengular to of a gall-nut substance about 2 liues ingular nut, covered by a which is the only valuablepingess. The latter, and hifhly astringent ; and part, is mucilnginous the nut is enployed, with the being separated from dyers and tanmers, with the best effect, both by duces with ironers, especially the latter. It proink; and with a strong, durable, black dye and browaish yellow. Th, a very full, though dack, la 1840 they amounted imports vary eonsiderably they were 3,116 tons, of to 851 tons. In 186.5, ported. It is brought from which: 149 wero re-ex been enployed in calico-priutin, where it has long (Baneroft On Permanent Coting and in medicine. MYRRII (Ger. myrrisen; Dut, i. 351 \&c.)
myrrhe; Ital. and Span ; Duteh, mirrhe; Fr. Arab. murr). A resiuous mirra; Lat. myrrha; of the Bu/samodendron myrrha, a tree the produce Arabia Felix and Abrssinia. A tree growing :a from the East lndies in Mrro. is imported from 2 to 4 ewt. Formerl chests, each containing brought from Turkermerly the finest myrri, was Bembay, no donbt the now the supplies cume from thither in exchance for produce of Arabia, carried Materia Medica.) for English goods. (Pereira's 112 (wt of
in 1867 , and 197 rrrh, wath \(675 l\)., were imported It has a peculiart. were exported.
bitter aromatic taste rather fragrant odour, and a shaped pieces, which It is in small irregularly Good myrrh is translun hardly be called tears. or reddish brown translucent, of a reddish yellow, a resinous frown colour, brittle, breaking with speeilic gravity is 1.36 , easily pulverised. Its mixed with inpurities, and Wien it is opaque, a dark colour approaching and either white, or of 4 disagreeable odour, it nearly to black, with (British Phurmacopeia; it should be rejected. tory; Pereira's Materia Mrdica) Thon's Dispensa-

3 m 2

\section*{\(\mathbf{N}\)}

NAGASAKI. A sen-port town on the senthwest coast of the Island of Ximo, one of the Jupanese islands, heing, necorling to Krusenstern, in lat. \(32^{\circ} 43^{\prime} 40^{\prime \prime} \mathrm{N}\)., long. \(103^{\circ} 11^{\prime} 47^{\prime \prime} \mathrm{E}\). 'The linrbour is one of the linest in the world. It is about a mile in wilth, null three or four in length. When ono ls inside, it appenrs to be completely landlocked, and to be min inland lake. Tho hills around it are about 1,500 feet high. The town is supposed to contaln abont 70,000 inhabitants. (F'ortune's Jupan.) Ships lic in 5 or 6 fathoms water, withln gunshot of the town, near tho middle of the bay, where they are protected from all winds. A lighthouso is being built in the harbour.
The Japanese islands are situated within tho temperate zone. They aro believed to contain from \(25,000,000\) to \(50,000,000\) of people, superior in industry and civilisation to every other Eastern nation. They show more capacity in using Europenn machinery than any other people in that part of the world (Fortune). Jnpan has oome thousand miles of sea-coast, and at one time the inhabltants were much addicted to emigration, and carried on an extengive intercourse with the arljacent nations. but in consequence of the alarm occasioned by the attempts of tho Jesuit missionaries to mane converts to Christinnity, the Government, in 1637, expelled the missionaries, put to death their converts, and to obviate the possibility of auch attempts being made in future, they prolibited, under the severest penalties, their own people from resorting to foreign parts, and foreigners from entering into or trading with Japan. And singular as it may aeem, these exclusire and anti-social regulations have been carried out almost to the letter down to our own times. So far, indeed, as respects the emigration of Jnpanese, they have not been in any degree modified; but the prohibition against foreigners trading with the empire was ao far relaxed, that 1 or 2 ships from Java, and 10 or 12 junks from China, were allowed to enter certain Japanese harbours. But, besides being confined within the narrowest limits, those engaged in this intercourse were subjected to a vexatious surveillance, and had to suffer many indignities. "The cargoes of tho ships,' says Mr. Crawford, 'are landed by, and placed in charge of, the officers of the Japanese Government, and the Dutch have neither control over, nor aecess to them, except through solicitation. The island of Desima, to which they are confined, communientes with the town of Nagaraki by a bridge and a gate, and is palisaded all round, as well as surrounded by a guard. From this imprisonment they nre allowed to peep twice or thrice a yeur, rather to be exhi-
bited to the great as a curiosity, than out d indulgence. A corps of collstaties and inter preters are appointed to watch over their mi nintest actions; and the most derraing mi vilitles are exnctel from the lighest amorn them, by tho meanest otlicers of the Jamange Government.
' 'Ihe Clinese trate with Japan is principally conducted from the port of Ningpo, in the prio vince of Cliskiang, which is so conveniently sits atel that two voyages may be performed in the year, even by the clumsy junks of China, Th commodities with whieh the Chinese furnigh th Japanese consist of raw sugar, cow and bufiv hides, wrought silks, consisting chictly of stim and damusks, engle and saminl wook, ginen tutenague or zine, tin, leal, tine teas, and, more than 100 years back, some Europian b cloths and camlets. The exports consist of per, limited to 15,000 piculs, or about 9 ion to camphor, sabre blndes, pearls, some descriptions paper and porcelain, and some Japan ware, wh is either curious or handsome, but not so subers tial ns that of China.' (Indian Archiptuno, p. 297.)

Tho following are the qualities and ralue goods exported and imported by the Dutch their trado with Japan in 1825; the ships ployed being 1 of 600 and 1 of 700 tons burdea?

\section*{Exports to Nagasaki.}

> Sandal wool, 1 MO piculo inplan wood, \(1,16 f^{\prime \prime}\) Elephants' teell, is 678 IL . Sapay camphor, 61 it Java mats, 245 in number Cocoa-nut nil, 21 pheuls Sugar, 6,991
> Thn, \(33 S^{\prime}\) yleul" Benkal plece koorls Jewallery - jorceir? Gless ware
> Netlierlonds broad cloths Leed, 147 picnla Medicline and vindries
> Total value of export cargoen
Or at \(i z\) florins per \(\mathcal{\Sigma}\).

Imports from Nagaucki.
Camphar, 78 plouls
Copper, * 111,74",
Cotton cloth
Mediclue.
Proritions \(^{\text {ink }}\)
Wheat, y07 bagy
Sllks :
Total value of Import cargoes
Gr, et 121 Ilorins per \(E\)
\({ }_{989,635}^{*}\) Therlins.

cal, 14


Opening of the Trade.-But after the trade to would be able much longer to maintain Clina had Leen thrown open, and the late events Jous, anti-socinl policy. 'The occurranes' in that empire had brought English, French, and made them aware of the power, and Ameriean gquadrons to the gates, as it were, of degree, also, of the policy of those mill Japan, it was not to be expected that its rulers they had now to deal. In 1853, when the
inendon Lungmans हis.
E.Weller lichog?

\section*{NAGASAKI}
an puatron unker Commodoro Perry лppeared ulburt witer, hey were fain to nllow them to tak mur, when they revisited their shore the fowing doldeds treasy with thens (ealleal, from they conthem it was eignell, the treaty of K man tho phace de ith itr. of whieh it is stipulated thant wit, in dithe cinitel States resorting to the ports of Jupung gyed to them by the trealy, antul bringing with tumbld and silver coins and goody, were to bo panitivel toexehange them for other goods curder whi remalitions as the Japnuese Goverumle widh think fit to estalilich. Soous averument muly had been negotiated, Sir Jnmes Stirling wowten conmanded the English naval Stirling, wase pars, entered inte a similnr, thourgh in Benh, arrangement with the Government. of Mpan The concessions that had thus been minde, mpled with the circumstances counected with tuture proceecdings of the English, French, and atesof a still more extensive charne way for a hayth, in 1858, the system of excler. Ancl, thlir bandoned, and a free conmelusion was sudulitel in its stead. This conmercial policy deked by the British plenipotentinry, the Earl Wlyin, IJsving negotinted a now and commativel iberal commercinl trenty with Chinn, bis sagcicus diplomntist proceeded to Juinn, ad bete ampleted his mission, by inducing the Inpase Givermment to enter into the well-coniidendutur; an abstract of which is subjoined.
Siminuturaics have since been conctur the Amerims and the Dutch been coneluiled with bermerinturs and the Dutch. It is to bo hoped ant the ernarkable events mny bo ns advondempdersof this and other countricow open to muly fiallo be to ourselvea. But much circun pation rill be necessary. Aut much circumbpe the the pioneeers at ieast of we would fain mye ins the pisiseneers at least of Britigh enterframuibised by their peculiar region may be matt for the prejudices of the very sing by their apicous peeple with whom they will bar and mexut businese.
have to
mingret to observe that the importation of it is underistod by the new trenty. The taste nges in Japan, and havo made considerable min og gool purpose, and will prolibition will imilut to smuggling, and will morely give a The nnexexul labling.
mit an the tred tade carried on whe nature and exmonk Considerable quantitith the Japanese mesported from Jqpan, but our share and tea Fof the trade, which had four share in this wad 1867 , is again inerensinler, off between pat larious textile fauiutes, ins ithe islander - tate when a new trade is opence constantly whty, particularly with a country whith any ve iolation was with a country where predut of the trade have been sular, the probable Smeof the thade havitiulties of of exaggerated.
jadge from the testimonies of Mr. Fortune are, R Alock, eansed by the politictune and ind pereails in the island. Political syatem Wted to two sorereigns; one is the empire of or the descended from the the Mikado, \({ }^{3}\) Thene the emperor, has, for goome who, in he Trecoon, of oll real aithority. The conturies, the Treoon, who occupies much the same other erignes of of the palace did to the same piace Wh restraised in the Even he, however, ia ma, and the councill sexereise of his political inooriasslarprinces is pract from the chief Tof the country. These daimios, hovernArtivnt.
are, lessites belng a House of Peers eillors, resident compulsorily fors or privy counexereise yur In Yedo, a boily of certain portion priucese nu intluenco very like of chleftains, who princes of medlaval Vrance. that of the feuln nre haughty, contenprance nud Giermany, nnd surpiclons of chantenpe. Tuous to foreigners, and great crowds of retainers theso daluios anpport every deed of of retainers, who nro ready for merchants (held by the illelow then aro the
peudnats peudants in great contempt) inimlos mad their de. serfs. I'nutly from hnompt , and the nrtlinnas nul that the intereourse with, and jinrtly from a fear serious politiconl and socind iguers would lead to mios havo been hitlert social innovations, the daiforelgn trade. It appears, how rule, unfricidly to wher counsels have apears, however, that laterly chief prinees havo been savilded, and some of the to Earope for the ben sendiding Japanese yonthe and forelgn experience. Agaln, it experience.
great variety of produt appear that there is nuy offer for trade with the which the Jnpanese could are plentiful, and small OUd Worlh. Silk and ten wax are exported. Nhourghantitles of veretablo ns a whole does not seng our trado with Japai rapidly, the value of our seent to incrense very 1865 rose from \(108,89 \overline{i l}\). in experts of lifitish very 1865, and that of Our total 183 to \(1,576,7911\), in million and a half in total exports execeded a and 1867. a half in each of tho years 1866 Aecordi
charneter of the Sir R. Alcoek, the commercin] they are, says this nuphoso merehants is very low and tricky of Easterns, harity, the most diahonest ing frauds. Thus they will and mimunlly attempt outer hanks of which are of bales of silk, tho inner worthless or verv inferior good quality, the seem to be full of camphor intior; ensks which rice, with a thin laver of capher, but are half full of tuns apparently fuyer of the drug on the aurfuce Water, nurd almilul of oil, but nearly half full of have, in ahort barly fraudulent actions. They honesty in trade. Summary
Majesty and the Eimperory between her Britannic Yedo, August 26, 1858. Fimpor of Japan. Signed at Art. J. Stipul
Art. JI. Stipulates for peace and frieuriship.
appoint a diplematic agent the recjprocal right to and consular agents at the Yedo and London, British diplomatic agent and open ports. Tho ravel to any part of Japan consul-general may diplomatic ngent and consul- and the Japanesi of Great Britain. Art. III The
Kaungawa, mind ports and towns of IIukodndi aubjects on July 1, 1859, Ne be open to Britisl is unsuitable as a harbour see-e-gata, or, if that weat coast of Nipon, on Janme other port on the on Jnnuary 1, 1863 . In January 1, 1800 . Jinogo subjects may permana In all these places British ground mand permanently reside, and may lense shall not nad purchaso and erect buildiugs lease confined erect fortifications. Thev aildings, but gress and by any wall or gate, and their free in within which British to be impeded. The limits detired. The British sublects may travel are being 4,275 yards) in any is ten \(r_{i}\) (each \(r i\) January 1, 1862, British subjectirection. After Yedo, and from Jonuary subjects may reside att purposes of trade only. In 1863, in Osaca, for auitnble district for only. In ench of these cities n tance to which for their residence, and the ditis the to which they may go, slanll be and the disGovernment. diplomatic agent for the Japanese

Art. IV. All questions arising between British
muljects in the Japanear dominlons alall be under the jurisiliction of the lbritish authorities.

Art. V. Japmese grilty of any criminal ace towards Brithhisuljects mintl be pmished by the "njumese anthorlties. British natyects who may commit any erime againet dapmese, or other foregners, shall te pmished hy the Itritish atethorisies, according to Brithsh law.

Art. VI. Moule of rettling complathts of Britisi agalnst Japanese, or of Japanese agalast British.

Art. VII. The anthorities on either nide are to do their bet to enforce recovery of debts dhe by their own prople to those of the other nation, without, lowever, leing remponsible for payment.

Art. VIII. The Japanese Government will place no rextriction upun the lawful employment of Japinneme by Ifritish subjects.

Art. IX. Jiritinh suljects to have frec exercise of their roligion in Japun, and may erect places of wership.

Art. X. Foreign coin to be current in Japan; the value to be determined by weight. Coln (except Japnnese copper coln), and foreign goh and silver, may be exported.

Art. XI. Snpplies tor the British navy may bo landed and stored at Kanagawa, Hakodadi, nud Nagasakl, free from doty; but, if any are sold, the purchaser must pay the proper duty.

Art. XII. If any Iritish vessel be wrecked on the const of Japan, the Japanese authorities shall render assistance to vessel and crew, and semd the latter, if necessary, to the nearest consular station.
Art. XIII. British merchant-vessels may employ a pilot to take them in or out of port.

Art. XIV. At each of the open ports, British subjects mny import and export, directly or indirectly, any lawful merchnndise, paying the duties prescribel by the trenty. With the exception of munitions of war, which shall be sold to the Japanese Government alone, they may freely buy from, and sell to, Japanese any articles they may have for sale; \(\boldsymbol{s}\) ul Japanese may buy and use the наme.
Art. XV. Mode of determining the value of goods imported.
Art. XIV. All goods imported into Jnpan by British subjects, which have paid the import duty, may be transported by the Japanese to any part of the empire without any further duty.

Art. XVII. British merchants who have imported merchandise. and paid the duty, shanll be entitled to a certifise of the payment, and may then re-export it. and land it in any other port without any a deliticial duty.

Art. XVIII. 'ITH: Jnpanese authorities nt each port shall adopt proper means to prevent smuggling.

Art. XIX. All penalties and confiscations made uniler the trenty shall belong to the Tycoon of Japan.

Art. XX. The articles for regnlation of trado appended to the treaty are to be considered as part of it, and equally binding. The British diplomatic agent, in conjunction with the Japunese Government, may make such rules ns may be necessary for carrying out both treaty and articles.
Art. XXI. The treaty being signed in Euglish, Japanese, and Dutch, the Dutch text shall be considered the original. All official communientions from British diplomntic and consular agents to be written in English, but, for a period of tive years, to be accompranied by a Dutch or Japanese translation.

Art. AXII. Elther party may demand a revision of the treaty on or atter fily 1, 1wis. Art. XXIII. The lritinh Giovirnment and
 pution lis ull mivantages \&ranted, or lwreate aranted, in Jnpan to the Government and subject of any other nation.

Art. XXIV. Inatifeatlons to bo exchanged rith in a year.

Regulutioms for Britisht Trude.
Regulation I. The captain of a vosurl is to hibit to the Japmese anthorities, within ds hen of his arrival (Suminy excepted), proof that Ins deposited his ship's papers at the birision sulate, and slatl then make entry of his ship writing, and .deposit a written mandent of cargo, statheg who are the consignees, and addi a list of hils atores. Any erfor may be comet
 must be prid. Any gools not entered in s manifest will pay double duty. Any capt negleeting to enter his ship within the tit prescribed shall pay a penalty of 60 dulare day.
Reg. Il. Japaneac custom-house officers may placed on boarl any ship in port, excent shif war. No goods to be unindeu betreea sumset sunrise. Ilatches may bo recured by the Japar ollcers, and any person breakiug the fasten slinll pay a tine of 60 dollars for enelt oftio Any goods discharged from a shipwithout har been duly entered, whall be liable to confiscat Packages with goods of value fraudulently 9 cenled, and not mentioned in the iuvoice, sha torfeited. It any British whip is engaged smuggling, whe shall pay a tine of \(1,(\mathrm{~N}) \mathrm{d} \boldsymbol{d}\) and the goods slall be forfeited. Vesskn nee repairs may land their cargo without payme duty, under supervision of the Japancee auth ties. If any part be sold, duty to be paid thet Cargo may be trmashipped from one ress another, under sapervision, and on proof of tide nature of the transnction, Importatio opinm being prohibited, if nuy British resse more than 3 catties weight on board, the su quantity may be seized and destroyed, and person smuggling opium shall be liable to a 15 dollars a entty.

Reg. 1II. Mode of entering goods ly theo or consignec. The entry is to state the na the enterer, and of the ship, the marks, conf and value of ench packnge. The onginalion to be presented to the Japnnese custom-h The Japancse officers may examine the pach but without expense or unrensonable delay the importer or owner should thd that his have been damaged on the voyage, he may \({ }^{2}\) the custom-honse, and have the damage appe so as to make a deduction from the valae entry. All gowls intended for export mit entered at the Japanese custom-house befor are shipped. Any goods shipped without been so entered, and all packages cont prohibited articies, shanll be forfeiteu. lo shall be required for supplies for ship their passengers and crews, nor for pasis clothing \&c.

Reg. IV. Ships wishing to clear mast g hours' notice at the custom-lonse. If dy tee refused, the captain or consignect \({ }^{2}\) British consul, must be informed of the British ships of war shall not be requa enter or clear, nor shall they be risted customs or police. Mail stcamers mared clear on the same day, and shall not be to deliver a manifest, except or paseng,

0 these by fo axids enigin.
on of Export

\section*{Llypurn}

Thates I.-IV. gi mie of Sagasaki whe betreea Japa the freans endio extricted from COnsal Flower's
\(Y\) may demand a revision uly \(1,1 \times i=\) inhli Government untiled to equal particio * granted, or lureate Bovernutent and subjec ns to be exchanged rit

British Trude ain of a verad is toe buritios, within is hut xerpted), proof that I apers at the lifitisuce ake entry of his ship writter manifent of \(h\) a cousignees, and nddi errot mny be cormet ce: aterwards 1: dolle ods not entered in e duty. Any capte ship within the tir venalty of 60 dollars
m-lıouse otfiecrs may in port, exceft shij aden between sunset secured by the Japan breakling the fasten allars for ench offic m a slip vithout har e liuble to confiscas value fruadulently I in the invoice, sha h mhip is engaged a tine of \(1,0 \mathrm{~mm}\) dol feited. Vessuls nee rgo without parme C the Japanese aut duty to be paid the ed from one vess 1, and on proof of ection, lmportatio f any British vesse \(t\) on board, the sul and destroyed, and hall be liable to a f
ing gnods by the o is to state the na ip, the marks, cont - 'The onginaliay apmnese custom-h - examine the pacl inreasonable dela uld timd that his? voyage, he maya e the damage appe from the ralue ed for export mi stom-honse befor hipped without packages cont be forfciten. Ie upplies for ship ws, nor for pass
to clent mast m-house. If dl or censignex, 2 nformed of the dl not be requr hey be risited camers mar el shall not be ept or passeng
aub whe landed in Japan. Whate
 bemuired to deliver a manifest, buless they Aukust 10, lsiti) in in a vervainentary Report,




Reg. Ii, No tomange diaties alinll be tevied on bniad abips in the ports of Japas, but th Woming fees slanll bo pulil to tlon fapanese dia 15 dellars; fur tho elearnuce entry of a dlass; for encli permit, If clollar ; for a mheh bill dhaith, If dollar; for anv other coneument is blis.
deg. Vil. Duthes shall be paid to tho Japanese
Gwemment, on all goods landed lis tho Guremment, on all goods lamled ln tho comintry, Chas \(I\). All articles ing thin class shall lie free of arr: fold and silver, coined or uneoined; wearas priatel books, not in household furniture wp priaterty of pooks, not inteniled for sale, but hem
Chas 2 A duty of 5 per cent. shall the paid on te moloring articles: all articles used fir on proce of builting, rigging, repairiuco of tho ot dsips; whating gear of all kiads: salte proiess of all kinds; bread and bread stute ding wigals of all kinds; coals; timber for buinghenses; riee; paldy; steam machinery; anturn suls, rave silk, eotton and woollen manyCoud duty of 35 per cent. shall be paid on
Wimarating figuors. Coss maingrelasees, shall poy ineluted in any of the 4 undite of Jajainese pay duty of 20 per cent. arwates ar sajanese prodnction, which are mind he seargo, shall pay a duty of 5 per cent. ajer in bars, Rice audd and silver coin, and Iym, hall not be exportel fromen, the produce of hall Bntish subjects resident in Jopan argo; kixik ships for their erews and in Jnpau, and Whaibel with sufficient supplies of pers. shall bimgig grain brought into any of the same. hamin a British ship, if no part open port of ne anded, may be re-exported without has men The Japanese Government with hat hinbett time, nt publie auction, any will sell, from hidcopper that may be produced. Hirplus quanta be opeaing of Kanagalucen. Five years mesport duties shall be subject the import in the British or Japancesect to revision, if ichlibu, and comeninued \(1: \%\) way calley 1 tzelh was or
 talled 81 parts of' this metal 9 copper coin cont worth it was calied temp, of tim, and 10 of The was abont "o of a hulfor, and its intrinsic The itzeboe was re a hirpmus. of the kobang, i.c. alunt + as wurth one-fourth why ls. Wd, wirth of xilh was overrated by more the, and thas the ailver worth, and the prore than three times its tre stead of beinge ay it it wion of pold to xitys true about 15 pars, as it is with the rest of the sife, inMhain that these coins were lhan of to I. Workt, Weaty, however, as will the merely tokens. The all cum, excert, as will to seen, xtipulated that and that, pendiur coper cash, might bo exportat rency, the Japanese Georganisation of tho curequal weights of their coinmment would give importcl. for
subject, and ancount of the negotiations on the eirculation, we would description of the coins in claborate Report of Mr. Sidne to the very elear and 10, 1867, On the Weight, Stece Locock of Jamsary or' - inpan. (Repports of Seasures, and Currenty No. 5 , of 186 (heports of 'Secretaries of Lerrency After severil
inconvenienco and dersugeductive of considerable the Japanese curren deraugement of money prices, January \(1,1868:-\) eney stood thus, previous to
arranged that \(n\) new further negotiations, it was issued on Jannary fe Idananeso coinage should be has been provided, that, and Freneli machinery carried out after that the minting may bo understood that a new eircupenn fushion. It is issued equal to 4 ichibus, nuar silver coin will be gold rio or kobung which has will replace the lisappeared. (Reports of Secretarien andy almost The of 1867 .) The following
Nngasnki, in the years 1863 , 1865 , 1800 port of 1867:-


That of Expurts and Jmparts in 1865, 1866, and 1867 . , 1867, states his iusbility in his Report of April 3, tracle of the ports of \(K\) py to give accounts of the the Recorls were destrogawa and Yokohama, as Nov. 26, 1844. Hlestroyed in the great fire of states that, in. 1867, 254 ver Mr. Consul Fletcher entered Kanagawa, of whicels of 174,030 tous ributed 137 of 71,039 tons We borrow fous tons.
lowing statement as to Locock's Report the folmeasures. There is l
in is a compound of the Chin weights in Japan. It
whes 1.-IV. give an nc
wher Magasaki in the yecount of the general metetrea Japan and the United King the betreares ending with the United Kingdom extrected from more detailed Nos. I, and II. The ralue of our toport of April 15,1868 . he ralue of our total exports to Japai

\footnotetext{


} \(\square\)


\[
\begin{aligned}
& \text { The reduced kold knbang } \\
& \text { The } \quad \text { ehllu, or fourth of the nbove }=5 \mathrm{~d} \\
& \text { Iron cash }=1,500 \text { to the lizeboe }
\end{aligned}
\]

\(\qquad\)

\author{

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\[
\frac{\text { Cleared }}{1863}
\]
yithongin. ?



\author{
.
} \(-\)
\[
1
\]
I.-Quantities and Value of the Principal Articles (distin '(ishing those in British Vessels) Imported


300 itzebus \(=100\) doltars.
II.-Quantities and Vulue of the Principal Articles (distinguishing those in British Vissels) Export at the Port of Nagasaki, in the Year 1867.


300 itzebua \(=100\) dollars.
III.-Account of the Quantities and computed Values of the Articles Imported into the Usii Kingdom from Japan in each of the 4 Years ending with 1867.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow{2}{*}{Articles} & \multicolumn{4}{|c|}{Quantities} & \multicolumn{4}{|c|}{Computed Rral Value} \\
\hline & 1864 & 1865 & 1866 & 1867 & 1864 & 1865 & 1866 & \\
\hline Camphor - - cwl. & & 2,636 & 2,1.57 & \%,161 & & \[
17, \frac{1}{4}
\] & \[
\frac{f}{2}, 912
\] & \\
\hline China or porcelatn ware or & & & & & & & & \\
\hline Coarthenware- unwrought and part & 181 & 182 & 381 & 17 & 1,849 & 1,333 & 8,597 & \\
\hline \begin{tabular}{l}
wroupht \\
- inns
\end{tabular} & 5 & & & 134 & \$26, & & & \\
\hline Cottcn, raw : & 8,3,967 & 26,633 & 411 & & 696,316 & 136,139 & 1,835 & \\
\hline  & 1,8111 & 1,813
367 & 2,751 & 3,377 & 3,778
2,958
7,51 & \begin{tabular}{l}
3,663 \\
4,497 \\
\hline 1817
\end{tabular} & \% \({ }_{\text {N, } 599}\) & Lis, \\
\hline Of, train mr bluliber ** tuns & 139 & 52 & .. & .* & 7,917 & 4,317 & \({ }^{2}\) & \\
\hline Kags and other materials fur & & & & & & & & \\
\hline  & 428, 973 & 43, 1712 & 18,295 & 3,645 & 46\%.393 & 2,805
69,919 &  & \\
\hline Sily, Waste, knubs, or husks - cwl. & 42, 3.63 & 1,903 & 3,600 & 2,767 & 46, 4,838 & 46,509 & fir,tus & \\
\hline Tra \(=-\quad-\quad \mathrm{tb}\). & 2,451,180 & 4,021,901 & 1,908,800 & 1,585,099 & 139,307 & 238,170 & 152, 39 & tal \\
\hline Tin - \({ }_{\text {Tobacen, unmanufactured }} \quad\) cwt. & :,596,968 & 1,291,461 & & & 12,129
38,891 & 11,3,36 & & \\
\hline Tobacen, unmanufactured
Woz, Reas & :,596,968 & 1,291,461 & 262,031 & 2,193,951 \({ }^{112}\) & 38,891 & 31,298
13,461 & 8,007 & \\
\hline Vll Vegetable : * & 3,811 & 2,282 & 978 & 6,742 & 14.174 & -1,959 & 3,949 & 4 \\
\hline All othet articles & . & \(\because\) & .. & -. & 13.796 & 10,191 & 10,03 & I, \\
\hline Total value - & \(\cdots\) & \(\cdots\) & . & . & 1,443,819 & 614,733 & 973, 131 & \\
\hline
\end{tabular}
mercial weights, the smaller weights being bor- to both, namely, the liang or tael, equal to rowed from the former, and the larger from the Japancse me or inomme.
latter. It has been possible to effect this combina-
Table V.shows the weights expressed in their
tinn without confusion, in consequence of there panese and Chinese names, with their compo
being in the two Chinese seales a weight common 'ing values in English aroirdupois and trymigg Japanese

\section*{antites - F Wuas}

NAGASAKI
Il.-drount of the Quantities and Declared Values of the Articles of British Produce and Mamed
facture Exported from the United Kingdom


English Equivalents.

ismanergas to 1 riome (hamesepral 16 -
Ianerre equal to 1 king :
\(\therefore \quad: \quad \begin{aligned} & \text { Kin or catty } \\ & \mathbf{1} \text { tan or picul }\end{aligned}\)
dain bime reights and measures which are much in oumag foreigners in Japan. They have no ritene s pure Japanese weights, any moro ha hiarvene quamme, and two or three others whice ypat in most foreign works containing Jques able of wioights and measures. The wif ume br which the Japanese know the hanening or toel is Jumme, literally 10 me or vasy, in the same way as hiakume signifies
fir, nd quamme \(1,000 \mathrm{me}\). To use thene as
Krimal reights sounds as absurd to a Japanese the mantites to an Englishman if he due quantity 7,451 tons 3 ewt. 3 qr. ex\begin{tabular}{l} 
dlon 3 thousand-tons 4 hundred-tons 5 ten- \\
\hline gr.
\end{tabular} 1 lon 3 crit .3 qr .
th iome is used exclusively for weighing
reaquire into the value of the Chinese liang pel (firual to 10 Japanese momme), we find tif reckoaed as equal to 2,400 shu, or graing Wand it is thus to the millet seed that may Whainthe same manner as the barley-corn is cramepoint of the English the barley-corn is faluring table shows the measure. in Jpanese weights of the various denowas of the English avoirdupois and troy

tostme of the proportions of the ase, as well ing to Dr. Roudot, the Chinese. But as, parts of the emps to such an extent in dif Cloth Measure. - Thonghto degrees.
\({ }^{2}\) ypatire- - Mreasures. mteger haneshaku which exactly corresponda The followin
\[
10 \text { bu }=1 \text { aung, }=\text { very nearlv }
\] 2 masures of leagth it is of the Japaneze arinally derived from the Chinese that it parts of the empire that there are no less 10 if69 inches, it is not to of it, varying from duo one of them which exactly codat tha: ateger haneshaku or metal foot of Japan.

The following is a table of the Japanesc long called, with the Enters measare, as it is often


Below nre the Japnnese equival +443168 miles cipal English measures.

The Japanese long measure is or \(28 \cdot 3 \mathbf{3 0 1 1} 1 \mathrm{ri}\). any reference to the enrth's axis or arranged with having existed in its present for circumference, any precise knowlalge on the sut form previous to arrived at. It was from the subject having been Japanese later acquired the ide Dutch that the he earth's circumference into dear the division of
what resembles at frough this measure somemeasure, the two are not identical in ordinary long shakmuch as the kudjiradjakn, in any respect, shakn, which is the unit of the form, or whalebone I 4 shaku of the laiter
with their English equivalents:-

Superficial Measure "̈ \(\quad 12\), garda
measure is the kanedjaku, or integer of this which we have already had to metal shaku, with and the value of each, are as follow. Its multiples,


Below are piven the vallid 4 or nearly 1 acre surement of the principal Euglish Japanese mea-


The Japanese occasionally make use of the mat as a mode of measurement; the mats are invariably of the same size, viz. six shak" (fect) long by thrce shaku wide. A Jnpmese house is generally so constructed that the floor of each room can be exactly covered by a larger or smaller number of these mats which serve as a carpet.

Solid or I,iquid Measure.-The names and proportions of the various divisions of this measure
\begin{tabular}{|c|c|}
\hline 10 sai & = 1 shlyaku (choh) \\
\hline 19 shilyaku & = 1 ngos (koh) \\
\hline 10 nghod & \# 1 shod (shin \\
\hline 16 aliol & \(=1\) to (tau) \\
\hline juto & \(=1 \mathrm{kolu}\) \\
\hline
\end{tabular}

The Japanese standard measures, as well as those in common usc, are rectangular, the bases being square. The exnet size of the shoo which is the unit of the seale is sung \(4.9 \times 4.9 \times 2.7\). Reckoning the sung at 1.1954 inch, the shoo contains \(1 \cdot 1075\) cubic inch, ns above.

NAILS (Ger. nitgel, spiker; Dutch, spykers; Fr. clous; Ital. chiodi, chiovi, aguti; Span. clavos; Russ. gwosdi). Sunall spilkes of iron, brass \&c., which, being driven into wood, serve to bind several pieces together, or to fasten something upon then. Nails are made in many towns and villages throughout Great Britnin; but the principal seats of this useful branch of the iron manufacture are at Birmingham, Bilston, Wolverhampton, Duilley, and a small district in Derbyshire. The consumption of nails is immense; and the aggregate value of those annually produced is very large. In 1867, of iron nails, screws, and rivets, we exported 15,111 tons of the value of 329,711l.

NANKEEN or NANKIN (Ger. nanking; Dutch, nankings linnen; Fr. toile de nankin; Ital. nanchino; Span. nanquin). A species of cotton cloth in extensive use in this country. It takes its name from Nanking, in China, a Enropean corruption of Kyang-ning, the eapital of the extensive province of Kyang-nan, where it is principally prodnced, and which also furnishes the greater part of the green teas. In the East, the manufacture is wholly confined to Cbina. It was stated in the first edition of this work, on authority which should not have been trusted to, that the manufacture of nankeen was carried to great perfection in the East ladies ; but, in point, of fact, the manufacture is wholly unknown everywhere in the East except China. The cloth is usually of a yellowish, though occasionally it is of a blue colour, and of different degrees of fineness ; the broad pieces called 'the Company's nankeens,' are generally of a better quality than the narrow ones, and are most esteemed. We produce imitation unnkeens at Manchester and other places, but it must be admitted that they are inferior to the Chinese; neither lasting so long, nor holding their colour so well. The colour, whether yellow or blue, is given to the cloth by dyeing; for though yellow cotton wool be raised in the East, the cloth made from it is too glaring. The nankeens brought to England come under the general denomination of piece goods. They are mostly made into trousers and waistcoats for gentlemen's wear durin \({ }_{0}\) summer, ladies' pelisses \&c. In some of the more southern parts of Europe, the warmer parts of Asia and America, and the British settlements in Africa, nankeen is worn by both sexes all the year round, and constitutes the principal article of attire. Latterly, however, it has become unfashionable in this country, and its importation has, in consequence, ali buit ceased.
NANTES. A large commercial city and seaport of France, on the Loire, about 34 miles fron its mouth, lat. \(47^{\circ} 13^{\prime} 6^{\prime \prime}\) N., long. \(1^{\circ} 32^{\prime} 44^{\prime \prime}\) W. Po-

\section*{NANTES}
are almost entirely derived from the Chinese Their values, however, vary, nsaryy in the propor contains 1,000 grains of millet, Japanese measure Chinese measure contaius but cone corresponding The following table gives nll thrains,
sures of capacity with their corresponding Che mes names and their respective values ing Chine cubic and imperinl liquid measurement :- Enghis
 \({ }_{111}^{110.75}\)
11.075
110.75
10.65

pulation, in 1862, 113,625. Vessels drawing 18 19 feet water come up to Paimbceuf, about 24 mi ower down the river; but no vessel, drawing me than 11 or 12 feet, can come up to the city, unl at high water a day or two betore full and chaw
Entrance to the Loire,-There sre three
trances to the Loire. The first and most genere frequented is between the bank called \(L e r\) and Point Croisic ; there is a second betw Le Four and the bank called La Banche: a third, which in southerly winds is resorted to, between the latter and the ra called La Couronne. The navigation, whid naturally rather difficult, has been much f tated by the erection of lighthouses and bua The depth of water on the bar at the monthof river varies from 2 to 23 fothoms. At sprizg rise is 14 , and at 4 aps \(7, \%\) feet. Iligh at full and change \(33 \frac{3}{1} 1\) yur.
The following is the system of lighth in the Loire. One erected on the Tose lat. \(47^{\circ} 10^{\prime} 38^{\prime \prime}\) N., long. \(2^{\circ} 27^{\prime} 15^{\prime \prime} \mathrm{W}\)., ared visible for ten miles. A second on the summ Point l'Arc, lat. \(47^{\circ} 14^{\prime} 30^{\prime \prime}\) N., loog. 201 W., also red. Ono on Aiguillon torer, \(47^{\circ} 14^{\prime} 31^{\prime \prime}\) N., long, \(2^{\circ} 15^{\prime} 52^{\prime \prime} \mathrm{W}_{4}\) called d'uval. A fourth, called Feu d'amont, on merce tower, lat. \(47^{\circ} 15^{\prime} 27^{\prime \prime}\) N.. loag. \(2^{2} 10^{\prime} 3\) This gives a flash every 2 minutes. A fiftho Ville-es-Martin, lat. \(4^{\circ} 7^{\prime} 15^{\prime} 22^{\prime \prime}\), long, \(22^{\prime} 13\) revolving every half minute, and red. A six St. Nazaire new north head, lat, \(47^{\circ} 16^{\circ} 17\) long. \(2^{\circ} 11^{\prime} 54^{\prime \prime} \mathrm{W}\). (The last four are on \(t\) side of the river.) A scventh on Paimber the extremity of the mole, lat. \(40^{\circ} 17^{\prime \prime} 2\) long. \(2^{\circ} 2^{\prime} 2^{\prime \prime}\) W. Besides these, three ner are proposed; one on the Pierre a lyeil; a (red) on St. Nicolas Ile; a third on Mindin p

Trade \&oc.-Her situation renders Xart emporium of all the rich and extene traversed by the Ioire, so that she considerable impori and export trade, with the West Indies. The expe:'swo sorts of French produce, but principally of wine and vinegar, silk, woollen sad linea refined sugar, wheat, rye, and other kinds of biscuits \&c. The principal imports are coffec, and other coicnial products, cotton, timber, hemp dc. A. intes is a considerable pot for the commerce of salt, large quantities made in the department, prineipally at Noir and Croisic. It is the chief grain port of France, for in 1865-6 an average of 145, lillos were exported. During the time th slave trade was carricd on, Nantes wasmore sively engaged in it than any other Frent.

The customs dutics of Nar. es exd those on salt, produced in \(1851 \quad 10,818,000\) and in 1857, 29,676,000 francs, showiar 1 increase of trade than any othe pert in There belonged to the port, ex niver catiof and steamers, on December 31, 1865, itis, the aggregate burden of 184,962 toss the second port in France for commerial

帚
vait thit are on be
ino of sa
an mpasts iaportant iand of的, 38,16 intres fro Gudalaupe Pli, it \(\Delta\) But doon the i val of 67,64 Lyst coasu Efich vad I The folloni


The chief 50 De following adi into Xante

Emp in-The prinured esports und Piuburat, computir tigur
de Chinese the propot rese measur
orrespondia nins, aprnese mea nding Chine \(s\) in Englis ent:-

Is drawing 1 f , about 24 mil el, draxing \(m g\) full and chan re are threo ad most genere callec Le \(F\) a second betm La Banche;
rinds is m Winds is mis
er and the ro vigation, whid been much fy ouses and bax at the mouth ns. At sping
tem of lighthe \(7^{\prime} 15^{\prime \prime}\) W., ared ind on the sumn N., loog. 201 tiguillon torer, \(52^{17} \mathrm{~W}\), called eu d'amont, on N.. long. \({ }^{20} 15^{\prime 2} 3\) inutes. A fiftho [22", long, \(23{ }^{2} 3^{3}\) e, and red. A last four are on 4 enth on Poimbor , lat. \(47^{\circ} 11^{\prime \prime}\) these, three net Pierre a Y 'cill; atic hird on Mindinp on renders that she port trade, he expots sum t principaily of
nd other kinds of pal imports are products, cotton, is a considerable \(t\), large quaditile rincipally at Moin ef grain port of average of 140,9 ring the time th Santes masmore any other Frencl. f Nar.es exdry (8) y other pirt in , ex river cration eer \(31,1865,75\) 134,962 tome \(x\)
for commerials

The salt trade of Nontes consists chiefly in asports to Norway, \(1,426,228\) kilos having been xat thither in 1866 at 15 franes the 1,000 kilos twe on band. In favourable seasons, the river T-sire ano sin more than \(80,000,000\) kilos. Another mman industry of Nantes is that of sugarWhan parly all the sugar produced in the Rang, of Réunion being sent to Nantes. In wind Whe from the French colonies of Reunion, rinte mare Marivique and Mayotte, besides Gasdlatope, , kilos from Spanish and British coloWhat the refinement of beetroot sugar is mat be herease, 11,(988,323 kilos having been toned, caried by lanil to this city, making a moun \(67,649,311\) kilos of nnrefined sugar. The wud wrot coosumers on
Urish and lialians.
ine following are the importations of coffee: -
\begin{tabular}{|c|c|c|c|}
\hline & os & Year & \\
\hline \({ }_{5}\) & - 3,719,531 & 1865 & 2,180, 057 \\
\hline S & - 2,010,767 & \(1 \times 66\) & - 3,011,895 \\
\hline
\end{tabular}
the chief sources of this product are the Indian masions ui England and of Spain.
De following are the importations of British wisto Xates:-


Epnuin-The following table will show the primerel esportations frum Nantes, St. Nazaire, ad Pimburf, during the year 1866, with the mamparist tigures of the preceding year:-

Exports.


Imports.
\begin{tabular}{|c|c|c|}
\hline Articles & 1865 & 1866 \\
\hline Raw sugar - . kllos & 58,159,481 & 35,960,98\% \\
\hline Ileetroot : \(\quad\) Coflet & & 170)199 \\
\hline \(\underset{\text { Cufice }}{\text { Carao }}\) : \(\quad\) - " & \(2.410,057\) & 3,041,899 \\
\hline Pappler : " & 139.831 & 3, 478,1126 \\
\hline Hice - - " & 77201035 & 2,716,350 \\
\hline Vanille * \(\quad\) " & 6, \(\mathrm{X}_{116}\) & 13,396 \\
\hline Tea - : & 615 & 447 \\
\hline Cloves stalka: - " & 21,44 & 9,528 \\
\hline 1nled fruta - - " & 101,601 & -06, 123 \\
\hline Oranges and lemons - " & 169,710 & 214,317 \\
\hline Jutch cheese \({ }^{*}\) & 299591 & 69, 17x \\
\hline Colfish (French flohery) " & 318,923 & 510,70] \\
\hline \({ }_{\text {Sum and }}\) & \(\overline{80,124}\) & 71,815
136,6171 \\
\hline Wine and spirita - il & 64,314 & 107, 598 \\
\hline Olive oll - . kilos & 1,789, 6 m 46 & 1,111,218 \\
\hline Palm antl cocoa oll - " & 857,37 & 412,757 \\
\hline Arachides - - " & 2,881,764 &  \\
\hline Hesame seeds & 175,564 & - 20.320 \\
\hline crallow and lard : "n & 465, 20.4 & -761,048 \\
\hline Cotton - " & 197,310 & 74,006 \\
\hline Husslan hemp * & 495,953 & 117,509 \\
\hline Ras. & 675,300 & 190,000 \\
\hline  & 122,100 & 81,000 \\
\hline Hutiding wood :" & 32,224, \({ }^{190}\) & 25,261,194 \\
\hline Furniture - * & 153,515 & 75,027 \\
\hline Dyelng * & 210,703 & 3.59,726 \\
\hline Ilides, dried and salt - " & 2168.017 & \(2{ }^{193,500}\) \\
\hline toal \(\quad\) - " & 240,310,510 & 269,751,093 \\
\hline Iron
tast Iron : & 3, \({ }^{3}, 829,401\) & \(4,051,958\)
\(7,963,711\) \\
\hline Ironore - - " & 2,839,280 & 881,500 \\
\hline lead ant lead ore - " & 1,729,637 & 3,944,529 \\
\hline Copper - - " & 295,48\% & 162,839 \\
\hline Tin. - - " & 193,407 & 86,981
13031 \\
\hline \(\underset{\text { Giuane }}{\text { Gine }}\) : \(\quad\) - " & 8,113,522 & 8,910,463 \\
\hline Refuse from refinerles " & & \\
\hline and manure \({ }^{\text {and }}\) ( \({ }^{\text {a }}\) & ¢,118,002 & 7,692,405 \\
\hline Tones and hioru of catile
Tar and pitch & 6,44, 41,6814 & 383,849
8,431,099 \\
\hline Sulphate of soda - * & 454,110 & 14!1.717 \\
\hline
\end{tabular}

The following were the ilupertations of British iron into Nantes :-
\begin{tabular}{|c|c|c|}
\hline Year & Wrought & Cast \\
\hline 1863 & \[
\begin{gathered}
\text { kilos } \\
\mathbf{5 , 6 1 6 , 0} \mathbf{6},
\end{gathered}
\] & \[
\begin{gathered}
\text { kilos } \\
9,5 \div 1,000
\end{gathered}
\] \\
\hline 1861 & 4,381,563 & \(8.638,016\) \\
\hline 1865 & 5,829,404 & \(10.216,126\) \\
\hline 1868 & 4,051,958 & 7,963,711 \\
\hline
\end{tabular}

Her chief source of wrought iron is Sweden.
Pilotage.-Vessels under 80 tons (if French nr assimilated by treaty) are not obliged to take a pilot at sea, but must have one for the river. The rates, which are fixed by lnw, are paid by the foot from the sea to Paimbouf, and thence to Nantes for all vessels under 80 tons. Above 80 tons, they are per ton. The master of a vessel bound to Paimbouf or Nantes has merely to give a note to the pilot, stating where the pilot boarded him, where he left him, the name and draught of water of his vessel in Engiish feet. The note will be deposited at the pilot's office, and the nilotage be received from the ship's broker. No foreign vessel (however small) can be removed from one anchorage to another, or to or from a quay, but by a pilot.

Quarantine.-Every vessel is boarded at St. Nazaire, and if she has a foul bill of health, or disease on beard, is instructed where to go.

River Dues on vessels ascending from Paimboeuf to Nantes are about \(1 \frac{d}{4} d\). per ton. At Paimbouf, and below it, none are levied.
Averages in the River.-If a vessel under sail causes damage to another that is properly moored, she must pay all the expenses of repairs; if to a vessel at single anchor (unless intentionally done) or under sail, the expense of the repairs of both are added together, and each pays a moiety. The same rule is enforced if damage be caused by 0.10 vessel properly moored driving on board another in the same situation; but if either were riding at singla anchor, the one properly moored is indemnified ; if both were at single tachor, buth bear the loss alike.

Moneys, Weights, and Mensures same as the rest of France. [Bondeaux.]
Turiff. [Theaties, Commpreisi, (France).]
Tares.-2 per cent. on coffee in baga ; real on ditto in hhds., casks \&c.; 6 per cent. on cottons ; real on indigo; 17 per cent. on Brazil muscovado sugar, 12 per cent. on Martinique and Guadaloupe ditto, 13 per cent. on ditto clayerl.
NAPLES. A large city and seaport in the south of the kingdom of Italy, and formerly the capital of the kingdom of the same naine. l'opulation in 1862, 418,968. Naples is well situated fo. eommerce.
Harbour.-The bay of Naples is spacious, anil is celebrated for its picturesque views. The harbour is formed by a mole, built nearly in the form of the letter L . Within the mole there are from 3 to 4 fathoms water, the ground being seft. The water in the bay is deep, and there is no bar; it is, however, a good deal exposel to the southwesterly winds ; and to gusrd against their effects, vessels lying in the bay moor with open hawse in that direction. The new breakwater now (1868) being built to the weat of the harbour, will add to its security. There is no obligation to take a pilot on board, but it is usual to take one the first time that a ship anchors within the mole. There are three lights and a light vessel in the bay; one at the extremity of the mole, lat. \(40^{\circ} 50^{\prime} 19^{\prime \prime}\) N., long. \(14^{\circ} 15^{\prime} 36^{\prime \prime}\) E.; another on the elbow of the mole, which is revolving every two minutes, and visible for 20 miles; a third on Porio Militaire enst, ac the extremity of the new mole, lat. \(40^{\circ} 50^{\prime} 2^{\prime \prime}\) N., long. \(14^{\circ} 15^{\prime} 36^{\prime \prime} \mathrm{E}\). The light vessel carries green lights. The light system of the gulf of Naples is very complete.

The decimal system of coina, weights, measures has been introduced into Naples as

Exports and Impor of ltaly.
consist of the products of the adjincent count Of these, silk is the moat important ont count also a most important article; but it ive oil also a most important article ; but it is prip
pally supplied by Gallipoli, a town in pally supplied by Gallipoli, a town in the Te d'Otranto, whence it is commonly called ciallip oil. The entire exports of oil from the kingte of Naples have been estimated at alout 200,0 snlme, or 36,333 tuns a-year, which, taking mean value when exported at 21l. per tun, equivalent to the annual sum of 762,9931 . [0, Ont.] The other articles of export are wo wine, brandy, dried fruits, red and white arg tallow, liquorice, gloves, madder, hemp, linse cream of tartar, bones, lamb and kid skins, and chestnut staves, rags, saffrou \&c. There is great variety in the Nenpolitan wines. The \(m\) estecmed is the lacryma Christi, a red lusci wine, better known in England by nar sthan reality, the first growths being confinel to a sp quantity only, which is chiefly reserved for royal cellars. There are, however, large quant of second-rate wines produced in the vicinit Naples, such as those of Pozzuoli, Jschia, \&c., which are sold under the name of lacn Christi, and are largely exported. Several of Calabria produce sweet wines of supa quality. (Henderson's Ancient and Map Wines, p. 239.) The price of wine at T depends entirely on the abundance of the viat only a small quantity comes to lioglond imports consist princinally of English cot and cotton twist, hardware, iron and tio, wool \({ }^{2}\) Produce and Manufacture Exported from the \(U_{t}\) Kingdom to the Two Sicilics, during each of the 3 Years ending with \(180 \bar{i}\).
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow{2}{*}{Artisles} & \multicolumn{3}{|c|}{Quantiles} & \multicolumn{3}{|c|}{Declated Real Viw} \\
\hline & 1865 & 1866 & 1967 & 1863 & 1866 & \\
\hline Apparel and haberdahery - - value & & & & \({ }_{8}^{24,910}\) & 14,316 & * \\
\hline  & 164, 6 \%88 & 243,269 & 1;2,597 & \% 9,148 & \% 11.4 & 永 \\
\hline Cotion yams & 7,240,109 & 7,6\%0, 3.34 & 7,44, 5 , 59 & S6, 6 &  & 40 \\
\hline Cottens, entered by the yard - : yardi & 23,411,392 & 21,952,635 & 27,687,548 & 633,219 & \({ }^{359,49}\) & \({ }_{500}\) \\
\hline Druge and chemical products & \(\because\) & \(\because\) & : & 19,073 & 13,899 & 1 \\
\hline Earithenwre and porcelaln : \(\quad\) : bairele & & & & 8,869 & 10,271 & \% \\
\hline  & \% & ¢, & 4,684
8,693 & 1,639 & \({ }_{6}^{6,584}\) & \\
\hline Ifardwares and aptlery, unenumerated. cwi. & 3,466 & 2,191 & 3,43 & 20,436 & , 4,665 & 11 \\
\hline Iron, wrought and uawrought: : sons & \({ }^{38,280}\) & \% \({ }^{\text {P\% }}\) & 19,2,43 & 305, \({ }^{\text {and }}\) & 1) & 119 \\
\hline Linems, entered by the yard: - yardi. &  & 1,175,455 & 1,563,91931 & 99,974 & 3, & \({ }_{\text {Sg }}\) \\
\hline Machinery : Milam enpinea : value &  & -. & 2,31,331 & 3i, 3141 & 6,116 & 4 \\
\hline saltpetre sil outer morts : & -3,309 & " 2,439 & 3,860 & - 3 3, 7,888 & cinck & 31 \\
\hline silk menufactures - - value & \% & & & 3,14 & 1,433 & \\
\hline  & 1,014 & 1,720 & 2.865 & 3, 3.31 & \%,6,i! & \\
\hline  & 3,4i80,980 & 9,369,694 & 2,397,433 & 4 4111,131 & \%9,990 & 10 \\
\hline - Value & 3,30,580 & & & 5,589 & 11,966 & \\
\hline All other articles & .. & .. & .. & 90,388 & 67,488 & , \\
\hline
\end{tabular}
sugar, coffee, indige, spices \&c. Naples is a good market for pilchards, and it requires a large supply of dried and harreled cod.
We also exported to the Two Sicilies in the same period foreign and colonial produce of an average amount of \(270,190 l\).
The value of our total exports to the Two Sicilies in 1867 was \(2,039,487 \mathrm{l}\)., and of our imports, \(1,607,295 l\). In 1866 the value of the imports into Naples was \(4,807,8061\)., and of her exports 1,401,759l.

Since the last edition of this Dictionary publiahed, the trade with the Two Sicilic considerably increased. The imports have is true, shown su nocable a gror:th as the er for the intter have nearly doubled, Nor d doubt that as the more liberal policy adopt the Italian Goverument bears its fruit southern part of the Italian penissola b more settled, these fine regions will a position of increasing importance in the col
Number and Tonnage of Vessels Entered and Cleared from the Port of Naples is Ne
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{3}{*}{Forelign :} & \multicolumn{6}{|c|}{Entered} & \multicolumn{5}{|c|}{Cleared} \\
\hline & \multicolumn{2}{|r|}{1863} & \multicolumn{2}{|r|}{1864} & \multicolumn{2}{|r|}{1863} & \multicolumn{2}{|r|}{1863} & \multicolumn{2}{|r|}{1964} & \% \\
\hline & \[
\begin{aligned}
& \text { no } \\
& 1,596 \\
& 3,496
\end{aligned}
\] & \begin{tabular}{l}
487,746 \\
525.3010
\end{tabular} & \[
\begin{gathered}
\text { no } \\
1,664 \\
6,641
\end{gathered}
\] & \[
\begin{gathered}
\text { tons } \\
\text { 415,547 } \\
357,971
\end{gathered}
\] & \[
\begin{aligned}
& \text { no. } \\
& 1,3 \times 1 \\
& 3,475
\end{aligned}
\] & \(32 \operatorname{ton}^{2} 672\) 366.65* & ¢no. &  & (no & \[
\begin{gathered}
\text { tonn } \\
400,106 \\
304,51
\end{gathered}
\] &  \\
\hline
\end{tabular}

Foreapm
Coating

dibr morld. whilk trade aciasive of \(m\) man 7 egise nr Heries' flaly, No. 3 mutu's Repo滞
Shipping, Por Hic nature on ming and cle a sunder:-
On wering: for accerining out: (Equal le Bemaring: Yisate EEyuat to oncerne oal: \(P\)
(ubom-house \(\boldsymbol{R}\) Antwe are boul ainh, to fumish gual manifest of mone; and the mit maignest are boun arinul dite ship, miderid detail, ol duinidin 48 hour
1typercent, upon has dexlaration ot bathe 48 hours are time is lisble to dite emovenusly wir remitted, un upon spplicatit 1 tutoms. The reme and salt, tho ab we, is strictly swate on board, und most be apec
Tussel receiving rasel receiving tue restored to he the rules with res them, ond some fuation, and the on
fenative Regulat divatal reception, driring at the which she come raded 2. Suspicious ar. In the tirst adkr ; in the 2nd, rumine: in the 3rd, cuire; in the 4 n. If the vesse derg of her passa ation: if a me: red at Nisita, sn atit in at if in ballast, or
teedise; if otherw luedise; if otherw ge of her eargo
a or the \(N\). of atine of 8 days ; b

\section*{NAPIFS}
/fre rold. In Mr. Consul Colnaghi'a Report on \(\checkmark\) wre trale of ltnly for 1867 it is stated that, eduive of private sales, the quantities of celusive registerel as sold in the Naples market mons regis myriagrammes. See also Mr. Seerenet 88,512 my Meprt on the industrial condition wrileries s 2 of 1868, and Mr. Consul-General dLur, No.解
Slipping, Port Charges gec.-The charges of a , whilic cature on a national ship of 300 tons burden miling and clearing out from the port of Naples, nas under:-

(ubwn-house Regulations.-Masters of merduatwea are bound, within 24 hours of their gind to farnish the custom-louse with a mamed manifest of their cargoes, provisions, and ane; wil the master, when consignee, or the woiges re bound, within 48 hours after the nifild dite ship, to fend in a declaration or velididetail, of all goods on boarl. Should 3 wasigees omit to render the manifest in Vainitia 48 hours, they are subjected to a finc /2 we cent, upon the non-specified articles.
nisdelaration or manifest cannot be corrected te the 48 hours are elapsed ; and the master or eqrec is liable to a fine of 30 ducats for every thy eroneously declared. This, however, is ir remitted, unlcss there be suspicion of Qupa application to the director-general or cestoms. The importation of gunpowder, mand salt, though they may be for the one, is strictly prohibited. When such the re on board, the exact quantity of cach had must be specified in the manifest; and on rasel receiving pratique they are taken to mon-house, and kept till her departure, when 74 restored to her. The alightest deviation the rules with respect to these articles subthem, and sometimes the vessel also, to fotion, and the master to a heavy tine.
Qeratine Regulations.-The free almisaion, Ccoal reception, or abaolute refusal of a lariving at the port is determined by the yme or unwholesome character of the place trich she comes. The place may be, 1. 20.2. Suspicious. 3. Endangered. Or, 4. E. In the tirst case, the vessel is refused Ahr; in the 2nd, ahe is admitted on a long ntine: in the 3 rd , sho is received on a short taine; in the 4th, she is allowed free en. If the vessel be a ahip of war, her hatine is performed in the llay of Naples; ders of her passage being allowed in the ason: if a me:chantmall, quarantine is med at Nisita, an islsnd about 6 milcs from \(k\) It conmences from the day of her atif in ballast, or loaded with unsusceptible tadise; if otherwisc, from the day of the arge of her cargo, Veasels from Great ai or the \(N\). of Eurc pe are subject to a mine of 8 days ; but if they touch by the
way at any port in Spain o Barbary, the quarnntime is lengthened to 14 days: provided, however, they have clean bills of health, they may wholly avold the quarantine by touching at some Italian port, or nt Malta, the latter being in free pratique with Naples. Vessels from the Ionian Islands are aubject to a quarantine of 20 dava. No foul lazaretto exists at Naples; but at Nisita there is a lnznretto of expurgation for vessels from suspicious or endangered districts or territorics. Veascls from infected places usually go to Leghorn or Genoa, whero they may unload in a lazaretto usorco, The fees charged on ships performing quarantine are heavy. No distiuction is made between national and forcign bottoms,
Brokers, Commission \&c.-No person can legally act as a broker unless authorised by Government. All patented brokers are obliged, by way of security, to hold funded property producing 500 ducats of 'rente;' or a dividend of 832.6 s .8 d . sterling. Many persons, however, act as brokers without being patented, but no contract made by them is admitted in a court of law. Any person may set up as a merchant, by giving due notice to the Camera di Commercio.
Rates of Commission and Charges established by the Merchants at Naples.


Tare usually allowed by the Custom-house at Naples on the leading Articles of Importution.


Insurance.-There are 4 or 5 companies for the inaurance of ahips, and 1 for lives. Their terms are generally higher than those of similar astablishments in London. Houses are never insured at Naples, their construction rendering tires very rare. The companies are established by royal nuthority, the shaieholders being only liable for the amount of their ahares.

Banking.-The principal merchants of Neples are all, more or less, bankers, inasmuch ns they advance money on letters of credit, and deal in foreign exchanges, and other financial operations. But the only banking establishment at present in existence is the Bank of the Two Sicilies, founded by Government, and guaranteed ty the possession of landed property. It is not a bank for the isaue of notes on credit, like the Bank of England, but for their issue on deposits, somewhat on the principle of the Bank of Hamburg. Government makes all its payments by means of notes or orders on the baak; and they are issued to individuals
for whatever sums they desire, on thelr paying an equivalent sum of money to the bank. These notes or orders form a considerable part of the cir:ulating medium of Naples; they are pald in cash on demand.

Government has also established a discount office, where bills, indorsed by 2 persons of grod credit, and not at more than 3 months' date, ure discounted at 4 per cent.

So large a city as Naples, and so ndvnntageously - bunted for the commerce with the Black Sea, the Levant, Greece, Spain, Northern Italy, Northern Afrien de., would, had it been allowed to avail itself of its natural advantager, have become a most important entrepôt. But in consequence of injudicious regulations no goods have been carried to it except those destined for home consumption. In this respect, however, a - onsiderable change may now be anticipated.
Credit \&e.-Goots are universally sold at long crecits, mostly from 4 to 8 months; and for manufactured goods, sometimes longer. On sales of incligo, from 12 to 18 months' credit is given. Discount for ready money is at the rute of 6 per cent. per annum. Merehants are arranged by the Chamber of Commerce into 5 different classes; and a 6 months' credit is given at the customhouse for duties, to the extent of \(60,000,40,000\), \(30,000,20,000\), nnd 15,000 ducats, to individuals, accorting to the class in which they happer to be eurolled. But this is of little importance. Unless the transactions of a merchant be very limited indeed, the duties he has to pay amount to much more than tho credit he is allowed.

NAVAL COURTS. Tribumals established as oceasion may require, either on the high seas or in foreign parts, for enquiring into nnd dealing with various matters pertaining to maritime affinirs. They were originally constituted by the \(13 \& 14\) Vict. c. 93; but their constitution, duties, and procedure nre now regulnted by the clauses relating thereto in the Mereantile Shipping Act of 1854, the 17 \& 18 Vict. c. 104 , which are as follow, viz. :-
Naval Courts may be summoned for hearing Complaints \&f.-Any officer in comnand of any ship of H.M. on any foreign station, or, in the alisence of such officer, any consular officer, mny summon a Court, to be termed is 'Naval Court,' in the following cases, viz. :-
(1.) Whenever a complaint which appears to such officer to require immedinto investigation is made to him by the master of any British ship, or by any certificated mate, or by one or more of the seamen belonging to any such ship.
(2.) Whenever the interest of the owner of any British ship or of the cargo of any such ship. appears to such officer to require it.
(3.) Whenever any British ship is wrecked or abandoned or otherwise lost at or near the place where such officer may be, or whenever the crew or part of the crew of any British ship which has been wrecked, abandoned, or lost abroad, arrives at such place. (Sec. 260.)

Constitution of such Courts.-Every such naval court as aforesaid shall consist of not more than 5 and not less than 3 members, of whom, if possible, one shall be an officer in the naval service of H.M. not below the rank of lieutenant, one a consular officer, and one a master of a British merchant ship, and the rest shall be either officers in the naval service of H.MI., masters of British merchant ships, or British merchants; and such court may include the naval or consular officer summoning the same, but shall notinclude the master or consignce of the ship to which the parties complaining or complained against may belong; and the naval or consular officer in such court, if
there is only one such officer in the conrt, or there is more than one, the naval or colsul officer who, accortling to nay reculations settling their respective ranks for the time in force, is of the highest rank, shall be the ph dent of such court. (Sec. 26t.)

General Functions and Mode
Court.-Every Ell.h noval conf Action of investlgate the complant court shall hear investlgate the cemplnint brought befure it, the causo of the wreck or abondoument (as ease may be), and may for that purpose sump and compel the attendance of parties anl nesses, nad administer oaths, aud order the duction of docmuents, and shall conduct the vestigation in such manner ns to give any pu arginst whom any charge is made an opportun of making a defence. (Sce 2f:)

Ponvers of such Courts.-Diverys miny, after hearing the case, exercioch naval os may, after hearing the case, exercise the follow powers, viz. :
(1.) It may, if unnnimons that the safer the ship or erew, or the interest of the "10 absolutely requires it, supersede the master may nppoint another person to net in lis but \(n o\) sheh appointment shatl be made with the consent of the consignee of the ship, if at the place.
(2.) It may discharge nry scaman from h (3.) It may order the wages of any seanis dischargel or any part of such wages to le feited, and may direct the same cither retained by way of compensation to the own to be paid into the receipt of IL.M.'s exchas in the samo manner as other pemalties and feitures under this Act.
(4.) It may clecide any questions as to or fines, or forfeitures, arising between any parties to the proceedings.
(5.) It may direct that all or any of the incurred by the master or owner of any sh procuring the imprisonment of any seam apprentice in a forcign port, or in bis mainte whilst so imprisoned, shall be paill aut a deducted from the wages of such seam apprentice, whether then or subsequently ear
(6.) It may exercise the same powers regard to persons charged before it with the mission of offences nt sea or abroad as are 1 Act given to British consular otticers.
(7.) It may order the cost of the proes before it (if any), or any portion thereaf, paid by any of the parties thereto, and may any person making a frivolous or rexatial plaint to pay compensation for any loss or caused thereby ; and any cost or compenser ordered shall be paid by such persoa accory and may be recovered in the same manner ia the wages of seamen are recoverable, \({ }^{6}\) if the case admits, be deducted from his wis
And all orders duly made by any such under the powers hereby given to it shall subsequent legal proceedings be deemed sive as to the rights of the parties. (Sec?

Orders to be entered in Official Log.-All made by any such naval court shall, nt practicable, be entered in the official lag the ship to which the parties to the proehefore it belong, and shall be signed by th dent of the court. (Sec. 264.\()\)
Report to be made of Proceedings of Courts.-Every such naval court slall report to the Board of 'Irade, coataining the ing particulars, viz.:-
(1.) A statement of the proceedings order made by the court, and a report evidence.
(2.) An account of the wages of any

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} orudemas to 5 mexrin damas whyondentia cilenters Adm autsin England in sirseg, taana hampor by call SIIGLTLION哲rent branch wity they: are niod Acts that hisish ships, the ele reyistred, th rivem, and the ce dxall be allow contry, either maities, or as Wheh of the \(H\) mingtion Laurs,-' Tr of England 1 cal But, as no But, as no
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（3．）If summoned in order to enquire into a wivreck or abandonment，\(n\) statement of tho wincu of the court as to the cause of such wreck phandonment，with such remarks on the con－ The master and crew as the circumstances mat of
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ind erery such renort shall be signed by the prodent of the court；and every（loetiment pur－ ming to be such a report and to be so signed as ming Whanice：of the Buard of I＇rade，be deemed to wench report，unless the contrary is proved，num xalle received in evidence，subject to all just arytians．（Sec．265．）
Pmaty for preventing Complaint §e．－Any －who wilfully nul without due cause pré－ moliser dostructs the making of myy such com－ maits shat aforesuid，or the conduct of nuy ense a mresiliqation by any maval court，shaill for arreit fifince ineur a penalty not excecding Merebe liable to imprisomment with or without berl bour for any period not exceeding 12 mek（Sec．266．）［AnMititality Count．］
The didmiralty Court Aet of 1861 （ 24 Vict． （IIN dires the High Court of Admiralty juris－ finoefer claims as to building，equipping dc． dine disims for necessaries，for damage to curco atua，wares，disturrements by master，and for uine ststip te．
Tik lieddimiralty Conrts Acts of 1863 anel \％F F Fitet．e． 24 and \(30 \& 31\) Vict．c． \(4 \overline{0})\) were medsuibitate the appointment of Vice－Almi－ milchestroad，and to extend their juristiction mudims to wages，pilotage，salvage，tonnage， mevin damage done by ships，nud to bottomry smaxdentia bonds．And the \(31 \& 32\) Vict． Cilkaders Admiralty jurisdiction ou the county antin England over claims of certain amounts tratye tonnage，necessaries，wages，dnmage name abr collision \＆c．
sifigatilon LAWS．These laws form an manat lranch of Maritime Law．In this mary they are understood to comprise the wixi dets that have been passed，defining laid ship，the way in which such ships nre Ikregistered，the peculiar privilecres enjoved kitm，and the conditions under which foreign Chball be allowed to engage in the trade of bexart，either as importers or exporters of emditics，or as carricrs of commolities from enato of the country to another．
Shal of the History and Principles of the memdion Lave．－The origin ef the Navigation and Eogland may be traced to the reign of tirel 1I，or perhaps to a still more remote ex．Bat，as no intelligible account of the －ing sod contradictory enactments framed at fruat an epoch could be compressed within Tmamable space，it is sufficient to observe， kin he reign of Henry VII．，two of the lead－ apimipipes of the navigation law were distinctly maied，in the prohibition of the importation main commodities，unless imported in ships Wing to English owners，and manned by taseamen．In the early part of the reign Vizubech（ 5 Eliz．c． 5 ），foreign ships were ，火火火ded from our fisheries and consting trade． Prpobican Parliament gave a great extension Praraigation laws，by the Act of 1650 ，which Paibed all ships，of all forcign nations what－ ghmantang with the plantations in America， wat hasing previously obtnined a license． A Acts wer，however，rather intended to shethe trade between the different ports and Felonies of the empire，than to regulate our
intercourse with foreigners．But in the following year（9th of October， 1651 ）the republican Parlin－ ment passed the famons Art of Navigation．This Act had a double olject．It was intended not only to promote our own mavigntion，but also to strike a decisive blow at the naval power of the Dutch，who then engrossed almost the whole carrying trade of the world，and agninst whom various circumstances had conspired to incense the English．The Aet in questime citu ed，that no goods or commodities whatever，of the prowth， production，or manufacture of \(\lambda\) sin，Afrien，or America，should be imported either into England or Ireland，or any of the plantations，except in ships belonging to Engrlish sufjects，nud of which the master and the grenter mimber of the crew were also English．Having thus sceured the in－ port trade of Asia，Atriea，and America，to the English ship－owners，the Act went on to secure to them，as far as that was possible，the import trade of Europe．For this purpose．it further enacted that no goods of the growth，production，or manu－ facture of any country in Europe，should be im－ ported into（ireat Britain，exeept in British ships， or in such ships as were the reat property of the people of the country or place in which the goods were produced，or from which they could unly be，or most usaally were，exportel．＇The latter part of the clause was entirely levelled ngainst the Dutch， who had but little notive produce to export，and whose ships were principally employed in carry－ ing the produce of other countries to foreign markets．Such were the lending provisions of this famous Act．They were iddonted by the regal Government which succecded Cromwell，and form the basis of the Aet 12 Ch．II．c． 18 ，which continued，to a very iecent period，to be the rule by which our naval intercourse with other coun－ tries was mainly regulated，and which has been pompously designated the Charta Maritima of England！
In the statute 12 Cl ．II．c． 18 the clause against importing foreign commodities，except in British ships，or in ships belonging to the country or place where the goods were protuced，or from which they were exported，was so fur moditied，that the prohibition was made to apply only to the goorls of Russia and Turkey，and to certain articles since well known in conmerce by the name of enumerated articles，leave being ut the same tine given to import all other articles in ships of any description．But this moditication was of very little importance；inasmuch as the enumerated articles comprised all those that were of most importance in commerce，as timber，grain，tar， hemp and flax，potash，wines，spirits，sugar \＆c． Parliacsent seems，however，to have very speedily corse rombl to the opinion that too much had been done in the way of relaxation；and in the 14th of Charles II．a supplemental statute was passed，avowedly with the intention of obviating some evasions of the statute of the preceding year， which it was affirmed hitd ween practised by the IIollanders and Gernans．This，however，seems to have been a mere pretence，to oxcuse the desire to follow up the blow aimed，by the former statute， at the carrying trade of Holland．And such was our jealousy of the naval and commercial greatness of the Dutch，that，in order to cripple it we did not hesitate totally to proscribe all trade with them；and to prevent the possibility of fraud or of elandestine or indirect intercourso with Holland， we went so far as to include the commerce with the Netherlands ar \(\downarrow\) Germany in the same pro－ scription．The statute of the 14th Ch．II．prohi－ bited all importation from these countries of a long list of enumerated commodities under any

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circumstances, or in any vessels, whether British or forelgn, under the pennlty of seizure and confiscation of the ships and goods. So far as it depended on us, llolland, the Netherlands, and Gerniany were virtually placed without the pale of the commercinl world! And though the extreme rigour of this statute was subsequently moditled, its principal provisions remnined in full foree until the late nitcratiens.

The policy, if not the motives, which dictated these statutes has met with very general elllogy. It has been sald, nnd by no less an antthority than Adnm Smith, "When the Act of Navigation was made, though England and Molland were not actunilly at war, the most violent animosity subsisted between the two natlons. It had begun during the government of the loong Parliament, which tirst tramed this Act, and it broke out soon after in the Duteh wars during that of the l'rotector and of Charles II. It is not impossible, therefire, that some of the regulations of "his famous Act may have proceeded from nationnl animesity. They are ns wise, however, as if they had all been 'ictuted by the most delibernte wisdom. Natlonnl animosity at that particular time nimed at the very snme object which the most deliberate wisdom would liave recommended-the diminution of the naval power of Holland, the only naval power which could endanger the eccurity of England. The Act of Navigation is not favourable to foreign commerce, or to the growth of that opulence which can arise from it. The interest of a nation in its cemmercial relations to foreign nations is, like that of a merchant with regard to the different people with whom he deals, to buy as clecap and to scll as dear as possible. Ilut the Aet of Navigation, by diminishing the number of sellers, must necessarily diminish that of buyers; and we are thus likely not only to buy foreign goeds dearer, but to scll our own chenper, than if there was a more perfect freedom of trade. As defence, however, is of much more importance than opulence, the Act of Navigation is, perhaps, the wisest of all the commercinl regulations of England.' (Smith's Wealth of Nations, p. 204.)
It may, however, be very fairly doubtel, whether, in point of fact, the navigntion law had the effects here ascribed to it, of weakening the naval power of the Dutch, nuld of increasing that of this kingdom. The Dutch were very powerfal at sea for a long period after the passing of this Act; and it seems natural to conclude, that the decline of their maritime prependerance was owing rather to the gradual increase of commerce and navigatien in other countries, and to the disasters and burdens occasioned by the ruinous contests the Republic had to sustnin with Cromwell, Charles II., and Louis XIV., than to the mere exclusion of their merchant vessels from the ports of Eingland. It is not meant to say that this exclusion was altogether without effect. The efforts of the Dutch to procure a repenl of the English nnvigation law show that, in their apprehension, it operated injuriously on their commerce. In the treaty of Bredn, agreed upon in 1667, between the States-General and Charles 11., the latter undertook to procure the repenl of the navigation law. But the subject was never agitated in either llouse of Parlinment. It is certain, however, that its influence in this respect has been greatly overrated in this country. Excessive tuxation, and not our navigation law, was the principal cnuse of the fall of profits, and of the decline of manufactures, commerce, and navigation in Ilolland. 'Los guerres,' says the well-informed auther of the Commerce de la Hollande, 'terminées par les
traités de Nimègue, de Ryswick, d'U'trecht, entin la demiere par le trnité d'Aix-la-Chapel ont successivement obligé la républigue de fai usage dun grand crélit, et de faire des emprun enormen pour en soutenir les fraix. Les dett ont sarchargé l'Jitnt d'une somme immense dit térêts, qui ne pouvoient étre payéy que par ut augmentation excessive d'impoits, dont il a ial faire perter in plus forte partie par les consomm tions dans un pays qui n'n qu'un territuire e trêmement borné, et par conséquent par l'industr Il a donc fallu faire encherir intliniment la ma d'ouvre. Cette chertéde la main-l'ouvre a ue seulement restreint presque teute sorte de fubrir et d'industrie à la consommation interieure, \(m\) elle a encore porté un coup blen sensible au co incrce de frêt, partie accessoire et la plus précie du commeree d'économie: car cetto cherte a ren la construction plus chère, et augmenté le prix tous les ouvrages qui tiennent ì la navigotif même de tous les ouvrages des ports et des ma sins. Il n'étoit pas possible que l'rugmentat du prix de In main-d'cuvre ne donnât, nal tous les efforts de l'écenomic hollaudolse, avantage sensible aux autres nntions qui droient se livrer an commerce d'économie celui de frêt.' (Tome ii. p. 211.)
This extraet, which might, were it necess be corroborated by others to the same effect all the beat Dutch writers, shows that it is ne our navigation laws, nor to the restrictive legg tions of other forcign Powers, but to the abua the funding system, and the excess of taxal that the decline of the commercial greatness maritime power of IIelland was really on Neither docs it appear that the opinion maint by Dr. Smith and others, that the navigation had a powerful influence in augmenting the power of this country, rests on any better for tion. The taste of the nation for naval enterpris bcen awakened, the anvy had becomeexceed formidable, and Blake had nehicred bis vict before the enactment of this famous law. \& indeed, is it from being certain that the Xe tion Act had, in this respect, the effect comr ascribed to it, that there are good ground thinking it had a preciscly opposite effect that it opernted rather to diniaish than to ing our mercantile navy. It is stated in Roger \(d\) Treatise on Trade, published in 1671 ( \(\mathrm{p}, 36\) ) this Act, by lesseniag the resort of strang our ports, had a most injurious effect on our merce; and he further states, that we had within two years of the passing ef the Act of the greater part of the Baltic and Gree trades (p. 48). Sir Josials Child, whose L was published in 1691, carro \({ }^{\text {borastes }}\) Coke's ment; for while he decided. npproves navigation lnw, he admits thnt the English ping employed in the Eastland and Baltic had decreased at least two-thirrls sinec its ment, and that the foreign shipping emplo these trades had proportionally increased. tise on Trade, p. 89, Glasgow edit.) Excl of these contempornry nuthorities, it m worth while to mention that Mr. Richard extensive and extromely well-informed me condemns the whole principle of the Nar Act; and contends, that instead of increas slipping and seamen, it had diminished both; and that, by rendering the freight higher than it would otherwise have beed entailed a heavy burden on the publicat one of the main causes that had prevera carrying on the fishery so successally Dutch. (Essay on the Causes of the \(D_{0}\) Foreign Trade, p. 60, ed. 1756.)
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wick, d'Utrecht, d'Aix-la-Chapell république de fail faire des emprum \(s\) fruix. Ies dett mme immense d payés que par ots, dont il a jal e par les consomm qu'un territorire quent par l'industa infiniment la mai nain-d'œuvre a ale ute sorte de fabrio tioll intericure, m ien sensible au co 'e et la plus précie \(r\) cette cherte a ren augmenté le prix ent à Ja navigati es ports et des ma que l'augmentat ne donuàt, ma mic hollsndolse, es notions qui ITC
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\(t\), were it necess the same effect lows that it is nc :he restrictive legg s , but to the abur e excess of taxa nercial greatness 1 was really or he opinion mainte at the nsvigation augmenting be on any better for or navalcoterpris d become exceed chicved his rict famous law. S ain that the Na , the effect comm are good ground y opposite effect inish thsn to ine stated in Roger din \(1671(p, 36)\), resort of strang ous effect on our tes, that we had ing of the Act of Baltic and Grea Child, whose th \(0^{\text {chorates Coke's }}\) led. npproves lat the Eaglish land snd Baltic thirrla siace its shipping emplo ally increased. IW edit.) Exclo athorities, it m lat Mr. Richarl ell-informed me iple of the Nar stead of iacreas hsd timinisher ng the freight rwise have been n the publac,, lat had prevery so successaluly

There do not scem to be any very NAVIGATION LAWS a which to question these statements; and tho
th act on the samo principle
earried their threata into effle; and would have cessiens on our part. The sat but for timely conwe laboured to part. The same engines by which thus abont to lestroy the trade of Hollniul, wero have called no brought, by what we could not against ourselves. Nust retribution, to oprrate had we continued to can thero be a donbt that, aystem, and refused to maintain our exclusivo others, and to tensed to set a better example to curring and to teach them the advantage of to curring to inore liberal principles, we shge of rerun a very great risk of falliog, we shoule have vindictive spirit which falmg a victim to tho selfish policy would have such short-sighted and These ata would have generated.
considerable relaxation officient to show that a had become indispensable our navigation laws effected in 1821 and 1825 ; and this was partly latter, by the measures introd principally in the into Parliniuent by Mre introduced with that view Wallace) and Mr. Husk. Wallace (afterwards Lord was to place the tries at amity with tho Urse of all Europenn counsame footing. The me United Kingdom on the mosity, and of our memorials of our former anicertnin neighbour jealousy of the prosperity of tho same law hring states, being thus abolished, commerce with the Ce continued to regulate our besides giving the Continent. This uniformity tions, and facilitating scope to mercantile operamost opulent neighbours, rempfic with some of our of embarrassment aud litemoved a prolific source that it detrncted consideration, at the same time character which had beenside from that selfish nont, and not without colsilieved on the Contithe animating principle of ousiderable reason, to be

The chauges that were our commercial policy. 1825, in regard to the iolso mado in 1821 and goods (these changes importation of enumerated editions of this work are specified in the former of Asia, Africn, and Amerifa articles, the produce able importance, were America, though of considerhardships arising out of the far from obviating the iniportation of European previous rules. The practicable on!y in British slipentinued to be the country of which the cho slips, or in ships of or of the country from which were the produce, This regulation was kept up to liey; were shipped. the Danes, or any other up to hinder the Dutch, the carricrs of the produce people, from becoming ports. But while produce of other nations to our to occur, the rule imposed a was not very likely foreigners, and also oposed a serious hardship on butch ship took in part of a pes. Suppose thint a duce, such as cheese part of a cargo of Duteh prodam for England: what could geneva at Rotterin the event of her not could be more vexatious, cargo with Dutch mot being able to complete her than to hinder her oods suitable for our markets, foreign goods suitable for thing it up with tha Rotterdam, such as the them warchensed at France, the sorn as the wines and brandies of of Russia \&c.? But its the hemp and tallow not the only thing to its vexations character was tion of this sort. It really iner to in a regulathe butter, cheese \&c. really increased the cost of to bear the whole chart to us; for as these had which, but for the charge on account of freight part borne by other reulation, wonld have been in portionally cuhanced, at the their price was proDutch were tempted to same time that the measures. And how injesort to retaliatory respects, it is sufficiently plain soever in other could never, as has been allered this regulation creased demand for been alleged, occasion an incompelled the foreigners to sorting. It no donbt advantageously than they to sort their carioes less 3 N might otherwiso have

\section*{NAVIGATION LAWs}
lone. But the burden of tinis fell upon the employers of tho enrriers and not on the carriers themselves ; that is, it fell upon us and not on the foreigners; while la the event of their retailatlag, our trade was subjected to the same difflculties. It is visionary to pretend that a gystem so prejudicial to commerce coull be advantageous to shipping and navigation.

The measures introluced in 1825 left also untouched the regulation by which goods, the produce of Aula, Afrien, and Xmerien, were prohibited from being lmported from any Europenn port (the only exception to thls rule wero articles from Asiatic and African Turkey Imported from the Levnnt, and bullion), and could not be imported on foreign bottoms, except when they were imported direct in ships of the country of which the gooda were the produce. It was proposed in 1821 to authorise British ships to import all non-prohibitel articles from wherever they might find then; and though nothing apparently could be more reasonable than such a regulation, it was objected to, on the pretence that foreign ships being more cheaply navigated than oura, would take advantage of this circumstance to import Asintic, Africall, and American products into the contiguous continental ports, anil would thus conflne the employment of our slips to their earringe thence ! And upon this futilo pretence, for which there wns not 80 much as tho shadow of a foundation in fict, tho old rule was maintained; and in consequence, though the ports along the linglish Channel might have been glutted with the corn and cotton of America, the sugar of Ilrazil and Cuba, the coffee of Java, and the tea of China, and though all or sone of these articles might at the time have been deficient here, not one of them could be imported in a foreign ship, unless, as was sometimes the case, it were carried back to tho country whence it had been originally shipped, nor even in \(n\) British ship, unless it were flrst carried from Europe to some other continent! It is hardly possible to imagine any rule or regulation more extravagantly oppressive and absurd, and it is really astonishing that it should have been able to keep its place on the statute book for about two centurics. Luckily, however, this preposterous system, as well as the regulations uffecting importation from Enrope, ceased on Janunry 1, 1850. The Act for their repeal, the 12 \& 13 Vict. c. 29 , went far to complete the frec-trade measures adopted in 1812 and 1846, and had the most fayourable influence over tho commerce and navigation of the empire.

It did not, however, interfere with the monopoly of the coasting trade, which continued to be secured to British ships. But this last shred of the protective system has, also, been swept away by the Act of 1854, the 17 Viet. c. 5. [Constivg Thade.] Probably, however, fow foreign ships will eng,\(^{a}\) in this department; but their being at liberty to do so will insure freights being kept at their fair level.
The relaxations made in 1825 and 1826 in the regulations embodied in our old navigation laws in regard to the colonial trade, were perhaps the most valuable portion of the changes introduced by Mr. Huskisson. But though they did much to obviate the hardships growing out of the previous rules, and to give frecdom to the colonial trade, they did not entirely effect that object; and some regulations were subsequently continued in force which, though irritating and mischievous in their bearing on the colonies, were of no real advantage to ourselves. These, however, wholly ceased on January 1, 1850. All varieties of goods may now bo imported into the colonics
from all countries at peace with Great Britain in IBritish crom the colonies to them, whethe complaiuts of the colonists ing ahiping. Th complaiuts of the colonists, in regaril to th injuries they have sustalned from the rules forced by our navigation lawa, are thus complet obviated, and on that ground, at all events, th have no further elaim to prohilitory duties,
Desides thas restrictlve regulations aite. luded to, it was a part of our furmer poliey encournge the employment of British shipping imposlng hilgher duties on commodities impor in foreign vessels than were imposed on the when Imported In Iritish vessels; and it also customary to charge forelgn vessels wi higher port and lighthouse duties \&e. Ti practice was always loudly complained of forcigners; but wo had little lifiliculty in m thining it, so long as we could nfford to diare the retaliatory measures of other lowers, the extraordinary increase that took place, the commencement of the war terminated in ill our manufactures for forciga consumption, the necessity under which we were, in conseque placed, of conciliating our customers abrood, to the adoption of tise reciprocity syatem. latter was tirst introduced joto the trade with United Stntes. After the North Americancolar had succeeded in estahlishing their independe they set about framing rules for their naviga on the model of those of this country. Am other regulations of a restrictive character, it ennetel that nll foreigia vessels trading to United States should pay 44 cents, which afterwards raised to 94 cents (nearly a dollar) ton duty, beyond what was paid by Ame ships; nnd further, that goods importel in for vessels should pay a duty of 10 per cent, orer above tho duty paya in American vossels.
This law was avowedly direeted aguinst shipping of this country, though, as it was tomed on the same principles as our ravig lnws, we could not openty complain of its o tion. Under these circunstances, it would been sound policy to have at onee propose accommodntion and, instead of attemptis meet retaliation by retaliation, to have offer modify our navigation law, in 80 far as Ame shipping was concerned, ou the Americans m reciprocal modifications in our favour. Adif course was, however, followed. Various de were fallen upon to counteract the asrig system of the Americans, without in any relaxing our own : but they all failed of the ject ; and at length it became obvious to one that we had engaged in sa uaequal str and that the real effect of our policy was, to a bounty on the importation of the manufa goods of other countries into the United and thus gradually to exclude hoth our ma tures and ships from the ports of the republis consequence, a conviction of the neeress making concessions gained ground progreas and it was ultimately fixed, by the coms treaty agreed upon between Great Brita tho United Stntes, in 1815, that in fature charges should be imposed on the ships of country in the ports of the other, and that duties should be lnid upon all articles, the p of the ono country imported into the whether such importation were effected ships of the one or the other.
Brazil and the other States of South \(d\) A were naturally anxious to establishacom marine; and, to forward their views in this? they contemplated enaeting narigtion
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Bathisintention was frustrated by the interfeon d the British Government, who, without elleing for any particular advnn. age, wisely nd a do admit their ships into our ports oll riple of reciprocity, or on their paylng the - burges as cur own alips, on condition of \(\dot{y}\) amuting British ahips into their ports on aing footing. Commercial trenties, framed on an wad priciple, were aftorwards entered into - wow of these States.

Da eciprocity syatem having been thus 4 of the basis of the intercourse with the ful Sate, whose ommerclal marine was adods to that of Great Britain, it was not Wian wreflase adoptligg it in the case of such m countries as might choose to admit our into their ports on a footing of equally. In iof the Act 6 Geo. IV. c. 1 it was cnactel wis Majesty might, by an order in council, Lue hips of foreign states into our ports, on rach of the like duties that are charged on man rosels provided that British ships are con into the ports of such foreign atates on an of the like dutlea that are charged on wells. The first demand of this sort was tue the part of the Prussian Government Tandane 20, 1822, issued an order in councl Chempere alditions to the port dues prevlously Woo \({ }^{\text {l }}\) ahips belonging to those nations Widutadadit Prussinn ships on a prineiple dipatr. The real olject of this order was Hijut warigation of thls country; and it mowilikiand that it had the desired effect, Ituit pration on British shipping was et midimos.
Thien tees circumstances, the British mermemidipowners applied to our Government nis
Thren wsailed,' said Mr. Huskisson, ' with eaction from all quarters conuected with Hepisg and trade of the country, against the furge imposed upon British ships in the d Prusia. In such circumstances, what Whis Biajesty's Goיornment tako? We to be our duty, in the first instance, to winte with the Prussian minister in this Jjind our minister at Berlin was, I believe, read to confer with the Prusslan Governa the subject. I myself had a conference e Prossian minister at this court, and I mlent the sibstance of his reply to me. lare" be said, "set us the example, by your Wight charges, and your discriminating - Prasian ships; and we have not gone ith limits of that exsmple. Hitherto, we aned the increase of our port and tonnnge to luips only; but it is the intention of numeat next year" (and of this ho showed miten proof) "to imitate you still more ly imposing discriminating duties on the maxted in your ships. Our ebject is, a just ato our own navigation; and so long as man of our protectiou does not exceed that 1 Horded in your ports to British ships, we mith what reason you can complain." * sach a reply what remonstrance could mens, make to the Prussian Goyernment? mave audressed ourselves, it may be man, to the friendly feelings of that ati-me might have pleaded long usage att of our discriminating duties;-we are urged the sdvnntages which Prussia trom her trade with England. Appeals * were not forgotten in the discussion, ure of ittle svail against the fact stated ansol at Dsntzic-that "the Prussian van rere all going to ruin."
' lly others it may be said, "your duty was to retaliate by increasing your own port charges and diserlminating distios, on I'russian shipplng." I have already statod generally my rensuus againat the policy of this latter courso. We were net prepared to begin a syatem of comenercial hosHity, which, if followed up on bothaldes to it legitimate consequences, could only tend to reciproenl prohibition. In thla state of things, more prudently, as I contend, we entered upon an amic able negotiation with the I'russian Government upon the principle of our treaty with tho Unlted States,-that of abolishing, on both sides, all discriminating duties on tho shlps and goods of the respective countries in the ports of the other.
' Having concluded an arrangement with Prussia upon this bnsis, we soon found it necessary to do the same with some other of the northern stntes. Similar conventions were accordingly entered into with Denmark and Swoden. Reciprocity is the foundation of all those conventions; but it is only fair to ndd, that they contaln other stlpulationa for giving facility to trado, and from which the commerce of this country, I am confident, will in the result, derive considerable adivuntage. (Huskisson's Speech, May 12, 1826, on the State of the Shipping Interest.
This statement shows that the establishment of the reciproclty system, with respect to which so violent a clamour was afterwards raised, was not a measure of cholco but of necessity: We could not afford to hazard the exclusion of our manufactures from countries into which they werc annually imported to a large amount. So long as the Prussians, Swedes, Danes, and other nations chose to submit, wlthont attempting to retaliate, to our system of diseriminating duties on foreign sliips, and on the goods imported in them, it was no business of ours to tell them that that syatem was illiberal and unjust. But when they discovered that such was really tho case, and deelared that unless we modified our restrictions, they would retaliate on our commerce, and either entirely exclude our commoditics frot. their markets, or load thoso thint were imported in British ships with prohibitory duties, should we have been justlfied in refueing to come to an accommodation? Were we to sacrifice the substance to the shadow? To turn away some of our best customers because they chose to stipulate that the intercourse between them and us should be conducted either in their ships or in ours, as the merchants might think best? Government had only a choice of difficulties; and they wisely preferred adopting a system which has preserved the aecess to foreign markets for English goods, and has further secured an equal chance to English ships, with those of foreigners, of being employed in the trade with other countries. More could not have been obtained; nor would it have been really desirable. Had we endeavoured to enforee in the nineteenth century the rules and regulations that had been justly oljeeted to and regarded as oppressive in the sisteenth and seventeenth centuries, we should lanve provoked a spirit of hostility and retalintion thai must eventually, and at no distant period, have crippled alike the manufactures, the trade, and the navigation of the empite.

The reciprocity system is still wisely maintained, and is, indeed, embodied in the Aet 12 \& 13 Vict. c. 29. But we do not make its previously agreeing to this system a condition of a foreign country being entitled to participate in the advantages conterred by this Act. Such preliminary arrangements would have occasioned much embarrassment and difficulty, and we, therefore, \(3 \times 2\)
have contented ourselvea with reserving power to her Majenty in council, in the ovent of her thlnking it expedient to interfere, to Imposo such prohibitions, restrictions, and discriminatiug dutles on the ahips of any foreign power frequenting our porta, as may be required to countervail any peculiar prohibitions, restrictions, or duties laid upon British ships in the ports of auch foreign power.

Much difference of opinlon has exiuterl as to th practlcal effect on our shipping and navigation the changes in the navigatlon law lutrojued b Mr. Huskisaon. llut there is really no groun for any such dlference. This will be appure from the following comparison between tha phis ping belouging to the empire In 182: , when \(x\) lluakjason'a reforms began, and in I8.is and iski::

Account of the Shipa, their Tonnage, and their Crews, belonging to the Dritish Aimpire in 1 1818 , and 1807.
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\hline 1867 & 84,773 & 4.723,973 & 12,132 & 1,4;9,609 & 40,9015 & 7,334,671 & 31,781 \\
\hline sizeew in 1887 & 9,072 & 3,195,166 & 8,5,53 & 1.465, 29.8 & 16,0\%5 & 4,679,949 & 19.044 \\
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It is plain from this statement, that the number of our shlps, the amount of their tonnage, and the number of our snilors, have all been vastly increased sluce 1825. And if thls bo not, we should like to know what can be, a conclusive proof of the wisdom of the changes effected in 1825. They have, in fact, been nuccessful to a degree which the mest sanguine could not previonsly hare supposed possible.

Although, however, the fnct of \(\boldsymbol{n}\) vast incrense of our mercantile navy having taken place since 1825 , be too well established to admit of any doubt, it is contended by the apologists of the old resirictive system, that the share which foreigners have in the trade of the United Kingrom is notwithstanding greater now than in 1825. But this ;reater preponderance of forcign vessels in our trade, if such renlly be the case (which is doubtful), is admitted to be but inconsiderable; though, were it incol. parably greater than it is alleged to be, it would afford no room or ground for objecting to the measures of 1825 and 1849. The shipping and foreign trade of most continental states were all but wholly destroyed during the war terminnted in 1815 , while our shipping and trade were then proportionally increased; and the influence of this depression on the one side, and of the ummatural stimulus on the other, wis far from heing exhausted in 1825 . But in the lengthened interval that has shace clapsed, tho mereantilo navies of the continental states have attained to their ordinary state. And while we have no longer had any peculinr advantages on our side, we have had to contend with them, and with the rapidly increasing marine of the United States. As respects the latter, we may observe, that while in 1825 our imports of cotton, principally from America, amounted to nbout 222,500,000 lbs., they amounted in 1854 , to about \(886,500,000 \mathrm{lbs}\). ; st the same time that the imports of corn and flour from the United States, in the latter ycar, bore a still greater proportion to their amount in the former. Our imports of cotton in 1867 reached 1,262,536,9t2 lbs, Again, our intercourse with Ilollnhd. France, the Elbe \&o., which was all but wholly suppressed during the war (ended 1815), is now becomo very extensive; and are we, under such eircumstances, to be surprised that the proportion of foreign slipping frequenting our ports has increased? Had such increase been ten times greater, it could not have surprised any reasonable person; and the fair presumption is, that but for the reforms effected in 1825 , such would have been the case. And experience has shown that the further reforms effected in 1849 , which, like these of \(\mathbf{1 8 2 5}\), were imperatively required by
the exlgencies of the case, have been eque
beneficial.
It alay be sald, perhape, that the rapid exten of our mercantilo navy during the last t? years, and the extraorlinary rise of frelights, of the protits of the shlp-owners, were mainlya secjuence of the gold discoveries in Californis Australia, and of the prodigious impulse dey given to empgration and to the trule of the w But, though the circumstances alluded to undoubtedly had a very powerful Inficace, is ne room or ground for thinking that, under circumstances, our ship-owners would not bo to maintuin a suceessful competition with th Amcrica, or any ot' - country. The was scamen in the Un \({ }^{\text {: }}\) Tatea sro usually b than here, which. our sailors engry are known to do in ry extenitrely as mout respects, tha we american service. -owners of the tros rics are nearly on a level. The rapid inere population in the Inited States, the rast of their sea-coast, and the gigantic magnit the rivers and lakes by which the Uuion tersected or bounded, by sflording propor menns for the employment of shipping, will is little doubt, speedily render her coma mariae greater than that of this ar aay nation. But there are no gooil grouads fo posing that in those departments whic equally open to the enterprise and ships o nations, the British have anything to feas the competition of the Americans. And th the only people to whom, in a matter of th it is necessary to allude.
Till very recently our shipping intere subjected to suntry burdens and restricti which their energies were weighed duwn tered. Thesc, however, are now either abolished, or greatly modified. Formerly could enjoy tho peculiar privileges of a ship, unless she were of the buidd of the Kingdom or of the colonies, and ualesstbe and threc-fiourths of the crew were Brit jects. But these restrictions have been n the former by the 12 \& 13 Vict. \(c 20\), latter by the \(16 \& 17\) Vict. e. 131. In cons of these judicious alterations, all the yards and all thes seamen of tha roid made subservient to the wants and tho of our merchants and ship-owners, Itisp indeed, from our superior facilities fot th ing of ships, especially those of inos, mf now being largely introducell, and from parative density of our population, that foreign ships nor foreign seamen will b
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lisibl subjects a navigation w introluced b enlly no groun vill lee appare etween the shis 1826, when 1 I8.th and istio: Simpire in 182 tise of frelghts, ts, were mainly a ries in Califonia ous impulse .vy the trable of the w nees alluded to werful inflaence, ioking that, undur ners would not be mpetition with the untry. The was stes are usualiy ha is a priacipal cau ry extenaively as nerican serrice. wners of the two
The rapid incre States, the rast e glgantic magnit which the Union affording propo t of shipping, will render ber como th of this of say good ground lepartments wh rprise and ships anything to feal nericans. Aod th in a matter of th
r shipping intere lens and zesticti weighed duwn are now either ditied. Formerly privileges of a the build of the es, and unless the crew were Briti jons have heen t 13 Vict. c. 20, t. c. 131 . In coos ations, all the en of the world wants and tbe p-owners. Itis fucilities for th lhose of iroa, \(n\) licel, and from population, thas seamea rill
whe introducel into our service. The prohibicion gitat the repistration of foreign-buitit ships was pald :-1849; and in 1850,1851 , and 1852 , (1) 57,20 , and 28 anch ships were rugistered.
 winging, the number of foreign registrations If appinp, increased considerably. In 1804, they irlmed to 267 ships of 97,641 tons burden, but wit the number hail fallen to 73 of 22,913 tons. buth fact that foreign seamen ard fureign-built tomasy be, and no deribt will aiways be to somo druatioced, is of i unelise importante: and tuat mioduch anything elno to give new enerf; \(\mathbf{y}\) ndo more-buiders, and to improve the conduct wdicipline of our seamen. The insubordination desertion of the latter, especially in forejgn are often been attended with ruitous reth Sow, bowever, that their place may be supwhy by description of forelign aailors, it may whily presumed that thero will be a material anty pres in this respect. The sailors will find ber will consult their own no less than their adoetis interest, by paying more attention than entoro to their engagernents, and by their good enath and ready obedience to the reasonable ormde of their superiors.
I wdition to theas important reforms, others ruberinate but still very valuable deacription inven effected. The incompetunce and ignorgedthemasters, which was a most serious evil, binade partly been, and eventually will be ail Whwily obviated by the examisation to which ter now obliged to submit, and by the inetter dochin thich it renders neceasary. [MAsten.] Th mavire charges and proceedings which vanstimes mado and carried on by the officers dinding on account of salvage have also been indial modified, though, perhaps, they ought wistolly abolished. The same may be said of durivige, which has recently been rechulated, cipet by ships of war of taking men from on THetchant ships on distant voyages. The deruforlights and pilotage have also been enindinto, and will, moat likely, bo speedily rened ad placed on a less objectionablo footing ta a preseat. It is obvious, tharefore, that a mimprement has already been made, and Wher changes for the bettor are in progress, suituation of our mercantile marine. And thy their influence into account, and the many howes we enjoy in our situation, the extent In manuactures, and the character of our rewe run littia risk in predicting a lengthened ruedincrease and properity to our mercantile

Thepulitu burdens, disadvantages, and drawtubieh recently affected our ahjpping, were tis cear light in the treatise on 'Our Navi'm Laws and Mercantile Marine' by W. S. herf, Esq, late M.P. for Sunderland. His cial icquaintance with the anbject made his wations of more than ordinary value, and rad far them an extra degree of attention.
bexaisting law with regard to British alipThes been consolidated and embodied in the eatile Shipping Act of 1854 , the 17 \& 18 46 104. It is divided into parts, which will mad diatributed undar their proper titlea in trot, The distinguishing characteriatics of matipping, as described in this Act, may be by rated as follows :-
Tinahip can be a British ahip unless ahe be weted ts anch.
- Hhips of whatever build, and however and may be registered as British ahips, prothey be really and bona tida the property itian subjects.

The clauses in the Aet having reference to this matter are as follows, riz.:-

Deveriptiom and Ounership, of Mritinh Shipn,No ship shall be deemed to be a Itritish whip unless she belongs whoily to owners of the following demcription: viz.:-
1. Nutural-born llritiah aubjects.
l'rovided that no naturai-bort subject who has taken the oath of allegiance to any furelign novereign or state shall be entitled to be such owner as aforesait, unless he has, subsequently to taking such last-mentioned oatli, taken the oath of ailegiance to her Majesty, and is and continues to be during the whole period of his so being nn owner resident in some place within her Mnjenty's dominions, or if not sis resident, nember of a 13ritish factory, \(\mathrm{o}^{-}\)partner in a house netually carrying on business in the United Kingdom or in some other placo within her Majesty's dominions:
2. l'ersons made dieuizens by letter of denisation, or naturalised by or pursiant to any Aet of the imperial Legislature, or by or pursuant to any Act or ordinance of the proper legislative authority in any lbritish possession.
l'rovlded that such persons are and continue to be during the whoie period of their so being owners resident in somo place within her Majeaty's dominions, or if not so resident, members of a British factory, or partners in a housé actually carrying on business in the United Kingdom or in some other place within her Majesty's dominions, and have taken tho oath of allegiance to her Majesty subsequently to the period of their being so made denizens or naturalised.
3. Bodies corpornte established under, subject to the laws of, and having their principal place of business in the United Kingdom or aome Britiah possession. (Sec. I8.)

British Shipn, with certain Exceptions, must be registered.- Kvery British ahip must be registered in manner hereinafter mentioned, except-
1. Ships duly registered before this Act comea into operation:
2. Shipe not exceeding 15 tons burden employed solely in navigation on the rivers or coasts of the United Kingdom, or on the rivers or coasts of some British possession within which the managing owners of auch ahipa are resident:
3. Ships not exceeding 30 tons burden, and not having a whole or fixed dock, and employed solely in fishing or trading coastwise on the shores of Newfoundland or parts adjacent thereto, or in the Gulf of St. Lawrence, or on such portions of the coast of Canada, Nova Scotia, or New Brunawick as lie bordering on such Gulf:

And no ship hereby required to be registered shall, unless registered, be recognised as a British ship; and no officer of cuatoms shall grant a clearance or tranaire to any ahip hereby required to bo registered for the purpose of enabling her to proceed to aea as a British ahip, unless the master of auch ship, upon being required so to do, produces to him such certificate of registry, as is after mentioned [Registry]; and if auch shlp attempts to proceed to aea as a British ship without a clearance or tranaire, auch officer may detain anch ahip until such certificate is produced to him. (Sec. 19.)
In another part the Act imposea the following penalties on the masters and ownera of chips unduly asauming a British character, viz.:-
1. If any person uses the British flag and asaumes the British national character on board any ahip owned in whole or in part by anly penson not entitled by law to own British ahips, for the purpose of making auch ship appear to be a British thip, such ship ahall be forfeited to her

Majesty，unless such assumption has been made for the purpose of escaping capturo by an enemy or by a foreign ship of war in exercise of some belligerent right ；and in any proceeding for en－ forci＇g any such forfeiture the burden of proving a title to use the British flag，and assume the British national character shall ie upon the person using and assuming the same．

2．If the master or owner of any British ship does or permits to be done any matter or thing， or carries or permits to be carried any papers or documents，with intent to conceal the British character of such shlp from any person entitled by British law to enquire into the same，or to assume toreign character，or with intent to deceive any eueh person as lastly hereinbefore mentioned， such ship shall be forteited to her Majesty ；and tho master，if he commits or is privy to the com－ mission of the offence，shall be guilty of a mis－ demeanor．

3．If any unqualified person，except in the case of such transmitted interests as are hercinbefore mentioned，acquires as owner any interest，either legal or beneficial，in a ship using a British flag， and assuming the British character，such interest shall be forfeited to her Majesty．

4．If any person，on behalf of himself or any other person or body of persons，wilfully makes a false declaration touching the qualification of himself or such other person or body of persons to own British ships or any shares therein，the decln－ rant shall be guilty of a misdemeanor；and the ship or share in respect of which such declaration is made，if the same has not been forfeited under the foregoing provision，shall，to the extent of the interest therein of the person making the declara－ tion，and，unless it is shown that he had no au－ thority to make the same，of the parties on behalf of whom such declaration is made，be forfeited to her Majesty．
And in order that the above provisions as to forfeitures may be carried into effect，it shall be lawful for any commissioned officer on full pay in the military or naval service of her Majesty，or any British officer of customs，or any British con－ sular officer，to seize and detain any ship which has，either wholly or as to any share therein，be－ come subject to forfeiture as aforesald，and to bring her for adjudication before the High Court of Admiralty in Eagland or Ireland，or any court having Admiralty jurisdiction in her Majesty＇s dominions；and such court may thereupon make such order in the case as it may think fit，and may award to the officer bringing in the same for adjudication such portion of the pruceeds of the sale of any forfeited ship or share as it may think right．（Sec．103．）

Penalty for carrying improper Colours．－If any colours usually worn by her Mnjesty＇s ships，or any colours resembling those of her Majesty，or any distinctive national colours，except the red ensign usually worn by merchant ships，or except the union jack with a white border，or if the pen－ dant usually carried by her Mnjesty＇s ships or any pendant in anywise resembling such pendant，are or is hoisted on board any ship or boat belonging to any sulject of her Majesty，without warrant for so doing from her Majesty，or from the Ai－ miralty，the master of such ship or boat，or the owner thereof，if on board the same，and every other person hoisting，or joining or assisting in hoisting the same，shall tor every such offence incur a penalty not exceeding \(500 l\) ．and it shall be lawful for any officer on full pay in the mili－ tary or naval service of her Majesty，or any British officer of the customs，or any liritish con－ sular officer，to board any such ship or beat，and

\section*{NEUTRALITY}
to take away any such jack，colours，or peal and such jack，colours，or pendant shall be The to her Minjesty．（Sec．105．）
The monopoly of our coasting trade has been abolished by the 17 Vict．c． 5 ，the last ment of the navigation laws was extinguisto the following notice in pursuance of 30 （1867）cap． 15 ：－

On and after August 1，1867，all exemp from harbour rates and dues，which bave bith been allowed in the United Kingdom on accout any one or more of the reasons specified be will，in pursuance of＇The Shipping Dues emption Act，1867， 30 Vict．c． 15 ，cease，aa such exemptions will en and after that allowed ：－
1．On account of any ship being regis or belonging to any particular coul port，or place，or trading betwees particular parts or places：
2．On account of any ship or goods bein property of，or being consigned by＂ any particular person or body corpon
3．On account of any goods being destinedfo in any particular town，place，or ma
4．On account of any ahip or goods being to or from，or anchoring or moori or being laden or unladen at any pu lar place in any port，or in theneigy hood of any port，except where s on going to or from，or anchoring orm at，or being laden or unladen at place，derives from the expencliture class of dues in question no benefit benefit than ships going to or \(\hat{f}\) anchoring or mooring at，or being or unladen at，another place ia th port：
5．On account of any georls being therro or being destiaed for use at anyper manufactory，place，or district，or an cular class of manufactories；provif nothing in this Act contained hall any exemption from daes which if granted by an Act of Parliament owner or occupier of some particula manufactory，or place，as compensa obstruction to his water frontage of to his premises，or ether injury ar him by the works authorised by 84
Any person desirous of claiming compe in respect of the abolition of any sach ex may make application in the manner lírec the cbove－named Act ；particulars of whif be obtained of the recciver of dues，or of \(t\) bour or other local autherity of the port or
NEU＇TRALITY（Fr．neutralite）．In this term is employed to indicate the stats， nations who，when a war is being carried no part in the contest，and evince no pe friendship for，or enmity to，aay of the bell powers．

Neutral Suirs．In Commerce，th belonging to neutral atates，which are eng the trade with the ports of belligerents．

Inasmuch as the rights and duties af vary to a certain extent with the ofra peculiar to each contest，they do not 4 being exactly defined．But they oury cases to conduct themselves in a spinito impartiality，and to do nothing that can considered as being especially favourables to either of the partics eugaged in hotins
The questions that eccur with rand proceedings of neutrals on land，seldow much difficulty；but it is otherrise of that sometimes grow out of their proet
dours, or peadas dant sball be 05.\()\) ting trade hary - e. 5 , the last fi vas extinguisbed suance of 30

867, all exempt which have bith ngdom on accourd ons specified be Shipping Dues c. 15 , cease, and d after that dat
being registere y particular cous trading betweea laces: ip or goods being Ig consigned by on or body corport sbeing destined fou כwn, place, or mas ip or goods being choring or moorid anladen at any pa ort, or in the neigh except where s ab or anchoring or mo en or uoladea at n the expenditure ucstion no benefit ps going to or fros oring at, or being other place in the
gools being thepro 1 for use at any par ce, or district, or my nufactories; provia Act contained dianl from dues which he Act of Parliament rof some particula place, as compensa is water frontage or or other injury car ks authorised by su of claiming compes n of any sach exen \(n\) the manner direy harticulars of whie er of dues, or of 0 ority of the port or neutralite). lo \(P\) indicate the state \(r\) is being carried and evinceno pa to, any of the bell
In Commerre, th tes, which are of belligerents. t. and duties 0 of \(t\) with the circoul st, they do not 2 But they ough lves in a spirito nothing that can cially favonabile ugaged in hostilu occur with regur on land, sedor is othermis m t of their proce

\section*{wand to these we mean to confine the following} nıurks. \({ }_{1}\) midrkicles contraband of war. When two natins are engaged in war, if there be nny forcign ride or articles necessary for the defence or dristence of either of them, and without which reald be difficult for it to carry on the contest, tenther may legitimately excrt e cry means in to moner to prevent its opponent being supplied typorer such article or articles. All writers of muriunty on international law admit this principle : whilgr it down, that a nation which sliould fursha belligerent with articles contraband of war - that is, with supplics of warlike stores or of any dide required for the prosecution of the warrid forfeit her neutral character, and that the moid belligerent would be warranted in preventshacech succours from being sent, and confiscating tura saverful prize. And besides being consiswath the most obvious principles, npproved firnists, and enforced in every contest, this inime has been sanctioned by repeated treaties. Dineoly difficulty, indeed, that has ever arisen in mund to it, has been in respect to the articles rimathould be reckoned contraband of war ; and wime riew of obviating such difficulty, these ridebave sometimes been specified in treatics monrentions. (Sec the references in Lammind Del Gmmercio de' Popoli Neutrali, sec. 9.) ben this classification has not always been reaxdaduring hostilities. And it is sufficiently mant that an article which mny not be centrabudsue time, or under certain circumstances, urbewe contraband at another time, or under tifear iccumstances. It is admitted on all maken by Hubner, the great adrocate for thendim of neutral commerce (De la Naisie ds Batimens neutres, tom. i. p. 193), that everyting that may be made dircetly available for weleparposes is contraband, as arms, ammuniben, horse, timber for ship-building, and all muofnasal stores. The greatest difficulty has maned in deciding as to provisions (munitions (bevede), which have sometimes been held to be mandend, snd sometimes not. Lord Stowell whom that the character of the port for which tepronisioss are destined, is a principal circummato be attended to in deciding whether they whe looked upon as contraband. A cargo of misions intended for an enemy's port, in which ins known that a warlike armament was in mantion, would be liable to arrest and confiswhan; while, if the same carge were intended II port where noac but merchantmen were tud out, the most that could be done, accorling hielordship, would be to detain it, paying the katal the same price for it he would have got tha the enemy.
d good deal has lately been said as to whether cal hould or should not be reckoned contraband. Nitiserident, iusmuch as steam is now largely argerel in the propulsion of ships of wnt, that tewal by which it is generated must be reckoned ang the articles described as munitions de guerre. mis does not seem to be a conclusion nbout which pere is auy real room for doubt or hesitation; mitshows very clearly how an article that has whea coatraband, may, by a change of circumtraxes become entitled to that character.
By the ancient lar of Europe, a ship conveying contraband article was liable to confiscation rnal as the article. - But in modern practice a wiler rule has been adopted, and the carriage of rotraband articles is attended only with loss of jight and expenses, unless when the ship belongs we orner oi the contraband carge, or when the eple misconduct of conveying such cargo has
been conneeted with other malignant and aggravating circumstances. Of these, \(n\) false destination and false papers are justly held to be the worst.
It appears pretty evident that the principle on which the doctrine of goods contraband of war has heen established may justify, or rather require, its extension to various important articles not hitherto or usually reckoned as contraband. The right of belligerents to hinder neutrals from supplying their enemics with articles necessary to enable them to carry on the contest is alike clear and undoubted. But a forcign artiche which is indispensable or highly useful to n mation engaged in war, may not be of the class called manitions de guerre, and may not be directly nvailable in the prosecution of hostilitics, 'That, however, is really inmaterial. It is enough to warrant the prevention of its importntion, that without it the importers would be uuable to continue the contest, or that the inconveniences resulting from the want of it would be so very considerable as to dispose them to sue for peace, or to accept reasonnble terms if offererl. The distinctive peculiarity of articles contraband of war is not that they belong to one class of products or another, but that the want of them would inflict serious injury on the party by whom they arc imported.

Considered in this, its true light, the term ' contraband of war' becomes of the highest importance; and there are but few products which may not be fairly brought, at one period or another, within the list of contraband articles. Thus, slipposing that we had the misfortune to be engaged in a contest either with a single power or a combination of powers, which had means to intercept, cut off, or matcrially obstruct our supplies of corn, cotton, and tea : can anyone doubt that our enemics would be justified, or that they would hesitate, in availing themselves of 90 powerful a means of annoyance? Ncutrals might protest against such a proceeding, on the ground that the articles rcferred to had not hitherto been reckoned contraband of war, and they might also allege that their trade would be seriensly prejudiced by so unusual and so illegal a procecding. But these representations, supposing them to be made, would not go for much. Our enemies would say, that in defining contrabaud of war, everything depended on circumstances; and that ns the want of the articles referred to would lay us under very considerable difficulties, they were, from that very circumstance, properly included in the prohibited list. They would no doubt express at the same time their regret that this conduct of theirs should be productive of injury or inconvenicuce to neutrals. That was not its purpose. They had resorted to it in the excreise of their undonbted rights as belligerents; and it was anly indirectly and by accilent that it nffected neutrals. Une puissance belligérante ne pent voir avec indifférence que son ennemi se renforce par des marchandises qui servent directement et indubitablement à faire la guerre; et clle ne blesse pas le droit des gens si elle empêche que scs marchandises ne parviennent al l'enuemi en les détenant, soit pour en payer la valcur au propriétnire, soit pour les restitucr quand le danger sera passe. On pevt \(1 . e ̂ m e\) imaginer des cas, où les circonstances extraordinaires justifićraient une telle détention à l'éganl des marchandises qui ne servent pas exclusivement d l'usage de la guerre, et sur lesquelles elle ne pcut, dans la regle, s'arrogar aucune disposition. (Martens, Précis du Droit public, lib. viii, cap. 7, sec. 315.) Heineccius says, 'Dnns unc gucrre il ne s'ngit pas même de demander s'il peat être permis à quelqu'un de porter à notro canemi ce qui peut lui être nécessaire, puisque
hous avons le droit de prendre les armes contre quiconque s'opposerait da notre défense ou la rendrait difficilo ou incertaine.' (Quoted by Lampredi, p. 47, Paris 1802; see also Vattel, book iii. cap. 7, sec. 113, and a host of other authorities.) When great nations are at war, such contiugencles can seldom be avoided; aud when they occur, they should be ascribed to the necessity of the case, and afford no reasonable ground of complnint.

A wish to ebviate the disputes that have so frequently arisen in regard to contraband articles and other matters haviog reference to the proceedings of neutrals, gave birth to the following very important document.

Declaration respccting Maritime Law, signed by the Plenipotentiaries of Great Britain, Austria, France, Prussia, Russia, Sardinia, and Turkey, assembled in Congress at Paris, April 16, 1856.
- The Plenipoteatiaries who signed the Treaty of Paris of March 30, 1856, assembled in cenfe-rence-
'Considering :
' That Maritime law, in time of war, has long been the subject of deplorable disputes;
-That the uncertainty of the lnw, and of the duties in such a matter, gives rise to differences of opinion between nentrals and belligerents which may occasion serions difficulties, and even conflicts;
'That it is consequently advantageous to establish a unifurm doctrine on so important a point;
'That the Plenipetentiaries assembled in congress nt Paris cannot better respond to the intentions by which their Govermments are animated, than by seeking to introduce into international relntions fixed principles in this respect;
'The above-mentioned Plenipotentiaries, being duly authorised, resolved to concert among themselves as to the means of attaining this object; and, having come to an agreement, have adopted the following solemn Declaration:-
'1. Privateering is, and remains, abolished ;
'2. The neutral flag covers enemy's goods, with the exception of contraband of war.
'3. Neatral goods, with the exception of contraband of war, are not liable to capture under enemy's flag.
64. Blockades, in order to be binding, must be effective; that is to say, maintained by a force sufficient really to preveat access to the coast of the enemy.
'The Governments of the undersigned Plenipotentiaries engage to bring the present Declaration to the knemledge of the States which have not taken part in the Congress of Paris, and to invite them to accede to it.

Convinced that the maxims which they now proclaim cannot but be receired with gratitude by the whole world, the undersignell Plenipotentiaries doubt not that the effcrts of their Guvernments to obtain the general adoption thereof will be crowned with full success.
'The present Declaration is not and shall net be binding, except between these Powers who have acceded, or shall accede, to it
' Done at Paris, April 16, 1856.'
But the 'ancertainty' complaiued of in the above Declaration is not of a kiad that can be got rid of. It is inherent in the subject. Maritime laws of the class now uniler consideration do not rest on any fixed or immutable principles. They necessarily vary with the varying condition and exigencies of society. And those rules and regulations that may in the estimation of one country appeur to be alike just and expedient, may in that
of anothar be held, on quite as goonl ground Deelaration the opposite qualities. The abow Declaration expressly excepts articles contrgban of wnr from the privileges conceded to goods bonril neutral ships; but it does not gpecify th articles which are to be considered contraban And it was quite as well that this vexed, rnther insoluble question was left open; for it most probable that the plenipotentiaries who su scribed the Declaration would not have agreed nny definition. And supposing they had subioin a list of contraband articles to the Declarstion would very speedily have ceased to bo of a weight. Whether an article should or shou not be deemed contraband depends on circur stances which it is impossible to foresec or appr ciate beforehand. And such being the case, it futile to attempt to prevent further disputes making out lists of contraband articles. Weha seen that this has been frequently attempte and it lias frequently failed. Such lists mar respected for a while; butas soon ss any contria ing party or great Power conceives that it would for her interest or advantage to exclude sor articles from, and to include others iu, the there is an end of its influcace and authority.
The principle that free ships make free goo or that the flag covers the cargo (que le pavill couvre la marchandise), and that consequen eoemies' geods, not contraband of war, may safely conveyed in neutral bottoms, after b long resisted by this and most maritime stat has been assented to in the above Declaration. judging of the wisdom of this concession, ev thing depends on the interpretation of the phr 'contraband of war.' If it were restricted, as issually been the case, to warlike stores (munit de guerre), or articles directly available for like purposes, it would be in many respects jus censurable. For it is plain, that udder limitation now supposed, the trade of a belli rent Power, with its colonies or other count beyond sea, might be prosecuted in neutral sh nearly to the same extent, and with as \(m\) security, during war as during peace. But not casy to imagive that a principle having of consequences should be acted upon by sny Po having a prependerating naval force, in the er of her engagiag in hastilities. Such Power m then do one of two things; she must either ? sent to relinquish soms of the most import advantages to be derived from her naval ass dency, or she must reject the principle in quest And there is little doubt that sle would slopt latter alternative; and she might do this direc by resorting to her natural and indefeasible ri to seize enemies' goods wherever they are to met with; or indirectly, by extending the lis contraband articles, so as to make it iselud thase of any importance carried by sea int from the enemy's ports. Either way w answer the purpose; and we may be pretty assured, that, under the supposed circumstas one or other of them would be followed.
I1. Blockade, Influence of.-But it mayperf be said, that though the right to carry eees goods not contrabaad of. war be concede neutrals by the Declarntion of Paris, that rigg restricted and confined within proper limits b maintenance of the system of blackade. Bl take leave to donbt whether this retriction good for much. It is distinetly laid denn is Declaration, that to be binding or legg bloekade must be effective; that is, it mut ' maintained by a furce sufficient realls topec access to the coast of the enemy.' But thr the blockade of one or of a feur ports may per
kude ea casise treblel, atire thoo of the wirin mitl t Werband t ar emplor
ride bappe ntends 9 Bid tuppos calle blo drailir ble dwach less mis that wo ndetairely ixiber oa it sait roold be la wants deve it F Hars and of ditut the pr pandof io th his plain, the
wich much winca much
waxe of block Hy morted to mindostruct mant the taili mut anmer, the mpletet ib the and in trictes Friveltacinj allatiail upo arire blockades frum fom all ther nith Whe Wh tas ther will rix bore from hy which th
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sated or eludend,
ood grounda, les. The sbov icles contriband ded to gooda n not spocify th crell contrsband \(t\) this vexed, a it open; for it ntiaries who sul ot have agreed o hey had subjoine he Declaration, sed to be of am should or shoul pends on circur o foresce or appr eing the case, it urther lisputes articles. Websa zuently attempte Such lists mar! jon as any contra ives that it would e to exclude sour others in, tho lif e and authorit: ips make free goo argo (que le pacill that consequea and of war, may bottoms, after bee lost maritime stat ove Declaration. his eoncession, ere etntion of the pha vere restricted, as rike atores (muniti tly available for m many respectsju ain, that under he trade of a bellt ies or otbes count cuted in neutral sha \(t\), and with as m ring peace. But principle baring ed upoa by any Po val force, in the en es. Such Power u ; she must either 0 the most import from her naval as e principle in quest at she would adopt might do this dires and indefeasible \(n\) herever they are extending the lis to make it includ carried by sea int

Either way c may be pretty pposed circumsta be followed.
C.-But it may pert ght to carry ene war be couluric of Paris, that rig in proper limits 0 of blockade. per this restrictio netly laid doma in binding ot leg that is, it mut nemy: But th evr ports mas per
wade enective, it is abundantly certain that no ad blockade can ever be made to apply to an ed binise coast. Though our navy were doubled wobled it would not suffice to make an drireblockade of the consts of France, of Spain ad the United States. And why ahould a an with a powerful naval foree bind herself wertand to employ it only in one way? Why waplor it in any way, whatever it may be, dinh happens to be at tho time most conducive tue ends she has in view?
Bit upposing that an impossibility may be bined of that an extensive coast may be weall blockaded, the circumstanco would be dauch less consequence now than formerly, or inam iv generally imagined. Suppose, for exwis, that we are at war with France, and that madricely blockade every portion of her coast, then ta the ocean or the Mediterrancan: the wald be, that the oversea produce suitable beanants would be imported into the conhas ports of Belgium, Spain, and Piedmont, It the it would be carried from them by Gurs and otherwise to every part of France; whit the produce she has to export would be nadof in the same way.
liaplain, therefore, that these are not matters tiin mach dependence can lie placed on the wrea flockades. These may bo alvantagedinsoted to when the object is to reduce a mindstruct the trade of a port or a river, to mexterailing of a squadron, and so forth ; Hu wewne directed against the trade of any mundonst, they must be nearly, if not wholly, matach h the case of France, it is quite clear In ix stictest possible blockarle would not Fathil the injury on her that its maintenance whatail upon ourselves. If the trade of takien rar is to be influenced by nothing but *atir Hockades, it may be held to be practiofutrom all obstruction. But it cannot be ruad that when the evil day comes it will be wherith When the existence of nations is yhe ther will not be withheld by declarations ta wore from availing themselves of every br rich they may hope either to promote inn security or to injure their enemies. hafuance of the new System over the Trade Warens.-It is further obvious, wero the lid down in the Declaration of 1856 to be Wisto effect without large additions being to the list of contraband articles, that mheuld engross almost the entire oversea id countries engagel in war. Comparather of the articles which we export come the description of warlike stores; and ng that we were engaged in hostilities, milips which did not take on board conarticles would navigate with perfect Wh, while our ahips would be exposed to it of capture. The magnitude of this risk 1 Lepend on various contingencies, and the measured by the higher premium of mexe hat would have to be paid on them urtides embarked in them. But considerdechsec competitioa to which our ship-owners Why exposed, the additional premium they wre to pay, even though it were not very wable, wauld most probably turn the scale wow of the neutrals; and if they were once amod and employed for any considerable atit might not be an casy matter for our menes to regain the ground they had lost, or wree their former position, on hostilities luminsted. But in whatever way it may sated or eluder, it is not to be supposed ve should abide, in periods of war and
difficulty, by a rule that would tie up our hands and consign the entire oversea trade of the empire to foreigners. This would be a degree of liberality to which wo can hardly be expected ever to arrive, and which, were it realised, would be moro injurious to our best interests than the nost intenso selfishuess.
IV. Project for exempting Private Property at sea from Attuck during War.-Some of the more recent oppouents of the old system of maritime law do not deny these stntements. But they allege that they are founded on false principles. Private property, say they, is now respected in all contests carried on by land; and it would be for the advantage of all nations, whether belligerent or neutral, were the same humane aud generous poliey extended to privato property at sen. But this sort of reasoning is more specious than solid. On a little examination it will be found that the cases have no real analogy. Private property on land, and the treasures of art and learning, are respected so far, that they are sometimes unconditionally, but frequently also on the payment of a contribution or ransom, exempted from injury. This is done because experience has shown that, while the destruction of the articles referred to mny be productive of much misery and loss, it has little or no influence over the decision of the contest. But we are not hence to infer that the destruction of private property at sea will be equally ineffectual. In our unfortunate contest with the United States in 1814, the destruction of the Capitol at Washington was an act disgraceful to our arms, and which had no effect except to inflame the hostile feelings of the Americans. But the eevere check which the contest gave to the trade of the Union made the citizens generally averse to the war; and was, indeed, the main cause of its being 50 speedily terminated. No such result could, however, have happened had American merchant shipa been exempted from capture or molestation.
Suppose we are at war, and that our enemy, having succeeded in landing a force in some part of the kingdom, such as Kent or Connaught, inflicts on the peasantry outrages similar to those which the troops of Louis XIV. inflicted on the defenceless inbabitants of the Palntinate; such proceedings, by not sensibly affecting either our wealth, or the sources of our power, would in no wise accelerate the termination of hostilities. On the contrary, they would tend to their prolongation, by inspiring us with a strong desire to avenge such wanton and unnecessary cruelty. But it would be quite another matter were our enemy able seriously to obstruct our trade, to prevent our exports, or to sink, burn, and destroy the ships that were conveying to us aupplies of necessary articles. Such proceedings might lay us under the greatest difficulties, and would be the most likely means to make us listen to proposals for an accommodation.

Everybody knows that the unpopularity of the French rule in Germany and other parts of the Continent, in the latter part of the war against Napoleon, was in great measure oceasioned by the destruction of their trade, which, on the one hand renderel their corn and other disposable produce a mere drug, while, on the other, it added enorgoously to the prices of cotton, sugar, coffee, and most foreign articles. But had the rules and regulations embodied in the Declaration of 1856 been then in force, no such result would have happened. We should have had the singular combination of maritime peace with territorial war. And the trade of Prussia, Holland, and the other countries aubject to France, and,
indeed，of France herself，would hare been as securely and cheaply carricd on in neutra bottoms as it would havo been in a period of universal tranquillity．Nothing，therefore，can be more contradictory and illogical than to con－ tend that we are bound to extend the same immunity during war to private property ut sea that is extended to privato property on land． The cases are in 10 degree parallel．In the one， private property is respected because its de－ struction is seldom injurious except to the indi－ viduals immedintely interested，and has little or no general influence；in the other case，privato property is scized or destroyed because those from whom it is taken，being the carriers or purveyors of necessary articles for the commin－ nity，their loss must seriously affect the latter， and may reduce them to the greatest straits．

V．Abolition of Privatcering．－The abolition of privateering by the Declarntion of Paris is of the higiest importance，and should give general satisfaction．This practice appears to be a remnant of that system of privato war which is universally waged by individuals in early or barbarous ages，but which gradually disappears as society advances．Privateers rarely attack ships of war．They do not act in concert，or with any object in view other than their own privato gains．They are，in truth，a sort of legalised robbers，and while they occasion much individual suffering，they have little or no in－ fluence over the result of the war．（L＇armateur， indifférent au sort de la greerre et souvent de sa patrie，n＇a d＇autre amorce que l＇avidité du gain， d＇autre récompense que ses prises et les prix attachés par l＇Etat à ses pirateries privilég＇́．es． （Martens，Essai sur les Armateurs，c．i．s．8．） This essay，which was trarıslated into English， and published in 1801，contains the fullest details in regard to privateering．Valin，who defends and even eulogises privateering，admits that it is very apt dégénérer en abue et en brigandage． （Traite des Prises，i．c．1，8．7．）But their em－ ployment is principally objectionable from its l：aving been found that，despite every precaution， it is not possible to hinder them from committing the greatest excesses．The desire to amass plun－ der is the ruling passion by which they are actu－ ated；and being so，it would be childish to suppose that they should be scrupulous in their proceedings， or that they should endeavour to keep within the pale of the law when they think that their objects will be likely to be promoted by overstepping its limits．And hence their injurious treatment of the ships of neutral and friendly Powers． system of this sort may perhaps be useful to a nation which has littlo trade，and may hope to acquiro riches by fitting out privateers，withont being exposed to the risk of retaliation．But except under very peculiar circumstances，it is difficult to suppose that it should be advan－ tageous to a nation with an extensive oversea trade．A notion has，indeed，heen long enter－ tained，that while the interests of humanity would be promoted，the rights of belligerents would not be injuriously affected by the aholition of privateering．It was stipulated，for instance， in the treaty between Siveden and the United Provinces in 1675，that neither party should in any future war grant letters of marque against the other；and stipulations to the like effect have since been embodied in various treaties．These， however，being only isolated efforts，were in－ sufficlent materially to abate the nuisance，which could not be pat down without an agreement to that effect by the grent Powers，such as has been annonnced in the Declarntion of \(\mathbf{1 8 5 6}\) ．

The United States，however，though posse of a most extensive mercantile marinc，\(h\) But they have not done this But they have not done this eapriciously；ac it to bo denied that there is a great dea weight in the reasons given by the Ance Government for their refusal．（Ietters of Marcy to the Count de Sartiges，July 0 of They grow out of circumstanes，Jily 28， United States－that is bearing Sates－that is，of their warlike mercas a very small proportion to lorcaitile navy，which was nt that tim largest in the world．And they contend were they to abolish privaterering，their meec
ships would be captured in ships would be captured in vast numbers b numerous cruisers of their enemies；while merchant ships of the latter，owing to the f of their own ships of war，would be comparat little affected；and that to restore the be and place themselves on a level with their nents，they have no resource but to appeal patriotism（selfishncss）of their citizens by sing privnteers．

The Americans have，however，intimated willingness to assent to the abolition of teering，provided the other Powers agree attack or molest privato ships at sea dnri Such an agreement would，no doubl， mnch for their advantage；but we have seen that it is not one to which we cup without at the same time，and by the sar consenting to forego the use of some of th powerful of our means of defence and This，however，is abont the very last thi we either should or will do．No British man will ever agree to an arrangeme would diminish our powers and paral energies at the very moment when，perli independence and security may depend o being excrted to the utmost．
V1．Right of Search．－Nothing is said Declaration of 1856 in regard to the visitation and search，probably becaur obviously inherent in belligerents；for \(i\) be contradictory to allow that they hald to prevent the conveynnce of contraband an caemy，and to deny them the use of means by which such right can be mac able．The object of the search is trofol to ascertain whether the ship is neutr enemy，for everybody knows that the stance of its boisting a neutral flag a senurity that it is really such：and，se ascertain whether it has contraband at enemics＇property on board．All neut that would navigate securely during consequently heave－to when summore cruisers of either belligerent，and be with passports from their Government， all the papers or documents necessary the property of the ship and cargo；and carefully avoid taking any contrsband and perhaps also belligereut property， And hence it has been generally admitt merclant ship which sceks to svoid a crowding sail or by open force，may captured and confiscated．

One of the most ditlicult questions in the right of search has reference to ma sailing under convoy．Is the allegati officer commanding the vessel of rir the merchantmen，that the latter hare band articles or belligerent property be held to be sufficient to nullify \({ }^{5}\) search ？or may the exercise of the notwithstanding insisted upon？ A case of this sort occurred in the

\section*{答源}荹完量 betine il tar imeden． part of bud Wirieret sut ier co \(m m^{\prime} A d m\) mad comt
col as FT Hy：dite Hem a matter a desimin
sumed，they Inful pri lput deal triot easy hapus case， A \({ }^{3} 10-319\) riblis bsaa therems ff masined in dumas at modalisted minedrol misisulege rum un dixume jeo
lithe ereat crying neut ding that the －
whid in trath wre of the 1 kuptions tha nation were raxaity wo mik rould bes ase of slimited midited ports 14 carnad explid mand that the amolelligeren mandeposing masary viole frente，and a III．Foreign wat that in tr and on to ituls states in the most part The only Bri
mary to refer is
WGFo．III．c．
of British 8
ing of say forci Fryment as tran
thel，or are odone directly
de dificulty．In drail，if mainta equestions with ombers left to on of privateer apriciously; no s a great deal by the Amer (Letters of zes, July 28, 1 ces peculiar to heir warlike t proportion to at that time they contend, ring, their mere vast numbers bj cnemies; whilo owing to the fer suld be comparat restore the bo evel with their c but to appeal heir citizens by
wever, intimste he abolition of er Powers agree hips at sea dunin ld, no doubt, be e; but we have 0 which we cual le, and by the say use of some of th of defence and the very last this 1 do. No British to an arrangeme owers and paral oment when, peris rity may depend a most. 1.-Nothing is said in regard to the probably beean: belligerents; for low that they hat nace of enntrabanil them the use of right can be mad e search is twofo the ship is neutut knows that the a neutral lag a lly such: and, seo, lins contraband as board. All neut securcly during when and be - ir Government uments necessary ip and cargo; and - any contraband igcrent propettr, generally sdmitu seckes to sroid a opea force, may ted.
flicult questions in as reference to me - Is the allega he vessel of wit at the latter baste serent property ent to nuluy exercise
ted upon? oscurred in the \(e\)

109, whe a fleet of merchantmen belonging to iredeb, a acutral Power, and sailing under mor of a frigate, were detained by a British nadron. The Swedish eaptain, on the question guacrou. to him, ans vered that the ships were whe for different ports of the Mediterranan, beuthe ther were laden with hemp, iron, pitch ond that they were articles were the produce of ad tar. Thess articles were the produce of indea. the produce of a country, though contraFud of war, bave sometimes been allowed to be bund of in neutral shins. But even in that ease areyed have been accustomed to detain them Hligerears wh damiralty Reports, i. 244.) But as they have abimmonly been reckoned contraband of war w a France and her allies had many ports on - yditerranean, there can be little or no doubt the Th were warranted, despite the threatencd dar mastempted opposition of the Swedish eaptain, Wuaning the ships. But besides being deaivel they were condemned with their cargo as dinfulal prize; a proceeding which gave rise to meat deal of discussion at the time, and which ypat dodeasy to justify. For an account of this arow ase, see Robinson's Admiralty Reports, i. 30-379. In an elaborate argument Sin Whim Scott (afterwards Lord Stowell) states ridh his usual ability, but with too sensible a bias, tu mons for his judgment. Its legality was reined in a tract by Mr, J. F. W. Sehlegel num Copenhsgen, translated into English maddikited in London in 1801. Schlegel was mandry Dr. Croke in a tract entitled Remarks mis. sjlegel's Work on the Visitation of Neu-- Mishunder Conooy, published in the course dume year.
In the erent of the captain of a ship of war arrimg neutral merchantmen distinetly deding that they have no contraband articlee or min' property on board, their detention or winh would be a very strong measure. It wis in trath, be an insult to the flag and bower of the neutral Power. And un?ess the *umptions that the captain had emitted a false thation were exceedingly strong, to question 4 macty would be an act contrary to the nity of nations, snd one that a high-spirited met rould be sure to resent. But except in the \({ }^{2}\) of a limited rumber of vessels sailing to wited ports under convoy, and when there is aurand explicit declaration by the officer in mand that they have neither contraband artisumblligerent property on board, the right of mapposing it to be exercised without any mesessy violence, is one that is essential to lirenents, and cannot be justly objected to.
Tii. Foreign Enlistment Act.-It will be Wat that in treating of this subject we have fadd oaly to those gencral prineiples that mid in international law. The laws of infhoul tates in regard to neutrality harmonise the most part with the public law respecting De only British statute to which it is masy to refer is the Forcign Enlistment Act, * Gioo. III. c. 69. It prehibits the employof British ships, without license, in the ine of any forcign prince or state, and their wrunt as transports or store-ships by states sridich we are not at war. But it is believed a dll, or nearly all, that this Aet prohibits 3 done directly, may be done indirectly with hedificulty. Inasmuch, however, as it can Hy fuil, if maintained, to give rise to trouble-- puestions with foreign Governments, it were tarere it repealed, and our merchants and, forners left to denl, as they think fit, with
the ordinary risks that attach to those that carry contraband artieles. 'Ihe circumstances in which the Act originated have long since passed away (the struggle between Spain and her revolted colonies in South Amerien) ; and as it can no longer be of any use, and mny, or rather must, occasion difliculties, ita abolition wonld be a judicious measure.

Uufortmately much eorrespondence and diseussion arose during and after the close of the Ameriean Civil War between this country and the United States, as to our conduct as nentrals and the efficiency of our neutrality laws. One of the results was the issue, in July 1867, of a Royal Commission of Enquiry, and in Nay 1868 the Commissioners presented a Report, containing the following recommendations, viz.:-
I. That it is expedient to amend the Foreign Enlistment Act, by adding to its provisions a probibitlon against the preparing or fitting out in any part of her Majesty's dominions of nny naval or military expedition, to proceed thence against the territory or dominions of any foreign state with whom her Majesty shall not then be at war.
II. That the first paragraph of sec. 7 of the Foreign IEnlistment Act should be amended, to the following effect:-

If any person shall within the limits of ber Majesty's dominions-
a. Fit out, arm, despateh, or canse to be despatched, any ship with intent or knowledge that the same shall or will be employed in the military or naval service of any foreign Power in any war then being waged by such Power against the subjects or property of any foreign belligerent Power with whom her Majesty shall not then be at war:
b. Or shall within her Majesty's dominions build or equip any ship with the intent that the same shall, after being fitted ont and armed either within or beyond her Majesty's dominions, be employed as aforesaid:
c. Or shall commence or attempt to do, or shall aid in doing, any of the aets aforesail,-every person so offending shall be deemed guilty of a misdemeanor.
III. That in order to enable the executive Government more effectually to restrain and prevent attempted offenees against sec. 7 of the Foreign Enlistment Act, additional provisions to the following effect should be inserted in the statute.
a. That if a Secretary of State shall be satisfied that there is a reasonable and probable cause for believing that a ship which is within the limits of her Majesty's dominions has been or is being built, equipped, fitted out, or armed contrary to the enactment, and is about to be taken beyond the limits, or that the ship is about to be despatched contrary to the enaetment, such Secretary of State shall have power to issue a warrant, stating that there is such a reasonable and probable cause for believing as above aforesaid, and upon such warrant the Commissioners of Customs, or any other person or persons named in the warrant, shall hare power to arrest and search such ship, and to detain the sume, until it shall be either condemned or released by process of law, or in manner hereinafter mentioned.

\section*{NEU＇TRALITY}

6．That the power hereinbefore given to Secretary of State may，in parts of her Majesty＇s dominions beyond the scas，be exercised by the governor or other person having chief authority．
\(\therefore\) ．That power be given to the owner of the ship or his agent to apply to the Court of Admiralty of the place where the ship is detained，or，if there be no such Court there，to the nearest Court of Admiralty，for ita release．
d．That the Court shall put the matter of such detention in course of trial be－ tween the applicant and the Crown， with usual Admiralty appeal to the Privy Council．
e．That if the owner shall establish to the satisfuction of the Court that the ship was not and is not being built， equipped，fitted out，or armed，or intended to be despatched，contrary to the enactment，the ．hip shall be relcased and restored．
\(f\) ．That if the owner shall fail to establish to the satisfuction of the Court that the ship was not and is not being built，equipped，fitted out，or armed， or intẹnded to be despatched，contrary to the enactment，then the ship ahall be detained till released by order of the Secretary of State；nevertheless the Court may，if it shall think fit，order its release，provided the owner shall give security to the satisfaction of the Court that the ship shall not be em－ ployed contrary to the enactment，and provided that no proceedings are pending for its condemnation．
\(g\) ．That if the Court shall be of opinion that there was not reasonable and probable cause for the detention，and if no auch cause shall appear in the course of the proceedings，the Court shall have power to declare that the owner ought to be indemnified by the payment of costs and damages，which in that case shall be payable out of any moneys legally applicable by the Commissioners of the Treasury for that purpose．
h．That any warrant of the Secretary of State shall be laid before Parliament．
i．That the proceedings herein provided shall not affect the power of the Crown to proceed，if it thinks fit，to condemnation of the ship．
\(k\) ．That the following exceptions be made from this Resolution：
1．Any foreign commissioned slip：
2．Any foreign non－commissioned ship despatched from this country after having come within it under stress of weather or in the course of a peaceful voyage，and upon which ship no fitting out or equipping of a warlike character shall have taken place in this comntry．
IV．That it is expedient to make the act of hiring，engagiug，or procuring any person within her Majesty＇s dominions to ge on board any ship， or to embark from any part of her Majeaty＇s dominions by means of false representations as to the service in which auch persons are intended to be employed，with intent on the part of the person so hiring，engaging，or procuring as afore－ said，that the persons so hired，engaged，or pro－ cured as aforesaid ahall be employed in any laud

\section*{NEW ORLEANS}

Er sea sirvice prohibited by sec． 2 of the Forcior other misdemeanors under thor，punishable lif V．misdemeanors under the sams section．
V．That the forms of pleadiag in information and indictments under the Foreign Enlistmes Act ahould be simplified．

VI．That if，during the continuance of ar war in which her Majesty shall be neatral，al prize not being entitled to recognition as a co missioned ship of war，shall be brought within jurisliction of the Crown by any person acting behalf of or under the authority of any belliger Government，which prize shall have been e tured by any vessel fitted out diaring the sa war for the service of such Government，whet as a public or a private vessel of war，in violatid of the laws for the protection of the neutrality this realm，or if any such prize shall be brou within the jurisdiction as aforesaid by any ject of the Crown，or of such belligerent Gore ment，having come into possession of such p with notice of the unlawful fitting or：of capturing vessel，such prize should upon proof in the Admiralty Courts，at the suit of original owner of such prize or his agent， any person authorised in that behall by Government of the state to which such o belongs，be restored．

VII．That in time of war no vessel empl in the military or naval service of nny bellig which shall have been built，equipped，fitted armed，or despatched contrary to the ensect should be admitted into any port of her Mgic dominions．
NEU＇IRALITY，WARRANT OF．［ ance．］

NEWCHWANG or IINGTZE．This most＊urtherly of the Chinese treaty ports， river Lias，and fram November 15 to the March the river is closed by ice．
The exports of the town consist chicily of cakes，beans，and peas；the imports，of o sugar，and cotton cords．In 1864 and 186 imports were worth 709，738 and 1，686，176 respectively，and the exports \(1,710,398\) \(2,167,314\) taels．

In the analysis of Chinese commerce for appended to the Foreign Commerce Report lished in 1868，the value of the total tr this treaty port is set down for 1866 at 4,4 taels，showing an increase over that of 1 557， 64 taels． 327 vessels of 110,418 tons the port in 1867，of which 112 ，of 43,267 tom British．

NEW ORLEANS．The capital of Ior one of the United States，on the castern the Mississippi，about 105 miles from its lat． \(29^{\circ} 57^{\prime} 45^{\prime \prime}\) N．，long． \(90^{\circ} 9 \mathrm{~W}\) ．Populed 1860，168，675．The new－built streets ary intersecting each other at right angles； houses are mostly of brick．It is the emporium of all the vast tracts traversed Mississippi，the Missouri，and their ts streams，enjoying a greater command of navigation than any other city either of or New World．Civilisation has hithert its roots，and begun to flourish only comparatively small portions of the territories of which New Orleass is the and yet its progress has heen rapid be precedent．It appears，from the account by order of Congress，that during the ec June 30，1858，the value of the natire produce exported from this city amp \(88,270,224\) dols．，while the value of thit from New York was \(89,039,741\) ．Wilith imports，the case is materially differe
made to improre
Phling it aboradas
Whet, removing
sthem with othe
sec. 2 of the Firei anor, punishable lii he same acction. ading in informatio Foreign Enlistme
continunnce of a shall be neutral, a recognition as a co be brought within \(y\) any person acting rity of any belliger shall have been a out during the al Goverument, whet sel of war, in vinlat on of the neutralit prize alall be lifom aforesald by any ch belligerent Gore ssession of such pi ful fitting oct of cizo should upon urts, at the suit of rize or his sgent, that behalf by to which such
ar no vessel empl rvice of any bellig lt, equipped, fitted rary to the enacta y port of her Maje

RANT OF,
INGTZE. This lese treaty ports, 0 ember 15 to the oy ice. a consist chicfly of the imports, of of In 1864 and 186 738 and 1,686,176 exports \(1,710,398\)
ese commerce for Commerce Report : of the totsl tr wn for 1866 at 4,4 se over that of 1 \(s\) of 110,418 tops 112 , of 43,267 ton
he capital of 100 on the eastern 5 miles from its \(0^{\circ} 9\) W. Popula -built atreets are \(t\) right angles; rick. It is the tracts traversed ri, and their to er command of er city cither of tion has hitherth , flourish only. rtions of the i Orleans is the a been rapid be rons the accounts at during the of the natire this city amo re value of bat 39,441 . Fith aterially difient

\section*{NLW ORLEANS}
ruxu those of New Orleans, in the year just
mationenl, being only \(19,586,083\) do wo New York amounted to 178,475 , Whereas wliered by many, seeing how rapldly se. It an are forming in the 'West,' the settloatans must, at no very distant period New raf other city of Amerioa, as well, exceed ugitude of its imports as of its export in the midering ths boundless extent and exts; nind, wiferility of the uncultivated and extraordi won of the Mississippi and Missouripied muipulions of those who contend that New dana is destined to become tho reate New minm, sot of America only, but of the world Ill wot appear very unreasonable. Steam migtios has been of incalenlable. Steam tis pot, and, indeed, to the whole of centro merica The voyage up the inississippi, formerly ufifult sid tedions, is now performed in comious steam puckets with ease, celerity alomfort, 'Thero have been counted,' says 4. Sint, 'in the harbour, 1,500 flat boats at a 2z Steam boats aro arriving and departing are hour; and it is not uncommon to sce 50 the weether in the harbour. A forest of masts imasanty seen along the levée, except in the ney mants. There are often 5,000 or 6,000 and the upper comntry here at a time an rebare known thirty vessels advertised man for Liverpool and Havre. The interwoen nith the Hnvannah and Vera Crutergrat ed constantly increasing, Vera Cruz is allwn of the Western States, vol, ingraphy buding port, New Orleans was thirrl in the Vair:wing been in this respect inferior only blarata and Boston. Vessels of tho argy winay navigate the river several hargest dunbiop the city. The aggregate burden of duphing belonging to the port on June 30 \(44_{1}\) monated to 210,411 tons : of which 70,072 areppored in steam navigation. But th madialimportance by the civil city was completely Yade by the civil war, and cannot recover dar a considerable time. In 1861, the year miefly American, cleared vessels of 76,935 Weth of water in the cleared from the port. thenth is at water in the river opposite to Now thens in a medium, about 70 feet ; and it tanas sonndings of 30 feet till within a mile tunduencs with the aen. Besides 3 or 4 evol passes or outlets Mississippi has 4 pimpasses, at or outlets. In the south-cast, 4 rimpass, at Bolize, the water on the bar thise of tides in the excced 12 feet; and athan 2 or 24 feet, vessels Mexico is not tannot make their way from the much ln Otleans. (Darby's way from the ocean 4 p 467.\()\)
rembealchiness of the elimate is the great
ther on Nerw Orleans. This prohably arises lerounding country, situation of the city If the Mississipn, which is under the sion by an artipicial being protectel from hno 5 to 30 feet in levee or mound, varythe lank of the river a lo and extending The unhealthy river a distance of 100 and September; during includes July, metere often makes dreadful havoc, partiod the treng the poorer clasedful havoc, particuwath and from Eurono. Gremigrants from made to improve the. Great efforts have iatring it abpuave the health of the city theth, removing wooden with water, paving stbem with othooden sewers, and reAtherg rater used to stngriate \&c. Mrany ulefs Fater used to stngnate, have been
filled
contiguous and large tracts of swampy 925 as such wo to the town have been drained ground still such works will no done been drained. And still larger seale, according be prosecuted on a commerce and population, it to the increase of the ravages of fover muy be to be hoped that though the situation of the materially abated very atrong expectation of its every excludes any quito free from this dreadful seour being rendered occupation of New Orleang by thrge. During the sanitary piccautions adopted in thorthern army on behalf of the solutien adopted in the first instance effect on the general liealth of a marked beneficina It has been proposed to of the town. upper parts of the Mississiping earth from the in forming a site for a new pi, and to cmploy it above the level of the new city raised some feet thia would be the the river. It is belieped that againat fever; the most likely means to guard parameunt imp and the object iu view is of such cheme should bo reckoned the expense of the

Account of the Quantitics of the Principal Artiduring the 3 Years ending to New Orleans


Imports of Specie for 12 Years，from September

The two following statements contrast the value of the lmports and exports of New Orleans，for the fiscal years ending June 30 each year，1856－57－ 58，and 1867 ：－


Value of the Imports and Exports at the Port of New Orleans during the Year 1867.


Comparative Statement of the British Shipping at the Port of．New Orleans during the 5 Years ending with 1867.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Year} & \multicolumn{3}{|c|}{Entered} & \multicolumn{3}{|c|}{Cleared} \\
\hline & \[
\left|\begin{array}{c}
\text { Number } \\
\text { of } \\
\text { oessela }
\end{array}\right|
\] & Tonnage & Crews &  & Tonnage & Crews \\
\hline \({ }_{5}^{1863} 18\) & 50
112 & 8,894
14.892 & 395
9.4 & \(88!\)
\(39!\) & 10.619
19.135 & （ \(\begin{array}{r}676 \\ 1,445\end{array}\) \\
\hline －1865 & 265 & 58，21\％ & 2，532 & 270 & 43， 313 & 2，\({ }^{1,454}\) \\
\hline ？ 866 & 495 & 96.703 & 3，860 & \(2 \times 1\) & 92，078 & 3，547 \\
\hline 1567 & 834 & 92，338 & 3，102 & 848 & 9y，064 & 5，155 \\
\hline
\end{tabular}

Total Amount of Shipping at New Orleans during the Year 1867.
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{American vessela entered from foreign ports} & \[
\left\lvert\, \begin{gathered}
\text { Number } \\
\text { of } \\
\text { ofsels }
\end{gathered}\right.
\] & Tonnage & Crews \\
\hline & 241 & 125，922 & 3，825 \\
\hline Foreigh vestels entered from foreign ports & 416 & 161，460 & 6，516 \\
\hline \(\underset{\text { American veasela cleared to forelgn }}{\text { port }}\) & 326 & 215，919 & 6，035 \\
\hline Forelagn ressels cleared te foreign & 326 & 215，919 & ，035 \\
\hline veusels in coasting trade，entered & & 166，799 & 6,484
25,13 \\
\hline Vesels in coasting trade，eleared & 1，180 & 711,443
7914 & 25,131
31,063 \\
\hline
\end{tabular}

Rates for Bar Pilotage，fived by Legislature of the State of Louisiana．
Vessela drawing 1
Vessela drawing lofet of water，or lese，at per foot 3 ． 5 ．



Quarantine，－A fee of \(7 \frac{1}{2}\) dols．to 20 dols，acc cording to tonnage is charged on all vessel entering the port of New Orlenns，and a ten－day quarantine on vessels from Gulf and West Indis porta from May 1 to November 1
Pilotage，－Sniling vessels do not pay rivet pilotage，steamers pay 60 dols．
Levie Dues，－Twouty cents per ton on all vessels Harbour master＇s fee 5 dols，entrance，and 8 ceat per ton．

Rates of Touages from Levée to Bar．
\[
\text { Veusels of }{ }^{\text {ton }}
\]


Rates of Towages from Bar to City． Vessels under 30 tons per contract．


All vessels from bar to quarantine，sad foo quarantine to city，half of tha above rates．
All vessels below Fort Jackson to be chat the snme as from bar．
All vessels of 100 tons and upwards from \(P_{0}\) Jackson to city， 1 dol．per ton．

All vessels under 40 tons as per contrach
All vessels between quarantinc and Engl Turn to eity will be ch．arged the same as fr quarantlne．
All vessels from Fingiish Turn to city，orer tons， 50 cents per ton

All vessels from English Turn to ciry，ua 100 tons，as per contracts．
All vessels requiring two boats on the bure 500 tons and upwards，will be charged 100 d for first trial and 75 dols．for esch trial a Under 500 tons， 100 dols．for first trial，and dols．for ench trial after．
Dock accommodalions．－There are tro nor use，and another under construction．One take a vessel of 1,500 tons drawing 15 feet li The one under construction is equally large smaller dock for vessels draving 7 or 8 The expenses of repnirs are enormous，in cu quenee of combinations amongst the labouress

State of bar at mouth of river．—The Jisiss
has two principal passes；viz：－
The south－west puss，which has usually ad of from 15 to 16 feet．
Pass à l＇outre，which has a depth of from 1 14 feet．

Both these passes have a grester depu partieular winds．The other two pases the north－east and the south pass，hare from 5 to 6 feet 0 water on them，and 4 filling up．

Steps are being taken，an sppropriatimy been made by Congress for the purpose th out the south－west pass and pass a l＇outan give a greater depth of water．

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\section*{NEW ORLEANS}
dols, to 20 dols, acarged on all vessels orleans, and a ten-day Ciulf and West Indis ber 1.
\(g\) do not pay river ols. ts per tos on all vessels, , entrance, anil 8 cents

\section*{\(m\) Levée to Dar.}

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r contract.

) quarantine, aad fi the above rates. Jacksoa to bo charg
as as per contract. uarantine and Eagl unged the same as fir
h Turn to city, ove? ish Turn to city, wo boats on the bat ill be charged 100 d la. for each trial afl
a. for first trial and
-There ars two ao construction, One 19 drawing 15 feet ion is equally large 3 (lrawing 7 or 8 mongst the labourers friver.-The Mississ viz:bich has usually sa Ias a depth of from 1 tve a greater depl other two passes south pass, bart an appropriation b or the purpose, in und pass al l'outate 'ater,
quift of Cifaraes ietc, aqhezd upon and
doptrd by the New Orleans Cifamber doptrd by tile New Orleans Cifamher
of Comeace, in 1846 anj 1848 , Juscary \(9,1865\).

\section*{Commistions on Sales.}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[b]{21}{*}{\begin{tabular}{l}
wat mollon, tobaceo, lead, fllurs, and other proclucts of \\
 tundued wlen on time \\
gutarand sipment of merchandise or produce joa a parnhese of storks or builion Guntes and momiting disidends Nuy mend or seam boants mtiver rowask or stedmbonts: parine frexhts Cering triyhu from forelgn ports come tond distursements \\
Wion of collecting insurnnee or other clalms, witheut ingom Pa taption \\
Miving and remilting drafty, or receiting or paying men atich ne ether comminalon has been charged tharented are ruarantced, itn adilition Bnd aces remilted for collection, protested and remedpendig and re-shipping merchandise or produce ma moses io distrem
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mhentsunfunds, produce or bills of ladiog in hotes or
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mandems, freikht, and charges (besides the regular
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ingunna to be exclusf to apeclal contract
natyind. moradin to be paid in the currency for which
mingend Forwarding Merchandise, exclusive of charges actually incurred,


Timber,
Wry hities

Weight of Grain per Bushel.


Freights.
apecinit agreement chartered, or goods ahlpped ly the ton, and no particular ariticie shali be computed at, the of tonnage which enel Thestandard: - the articien, the bus of whit, the following regulatlon ahail Con of lieavy materiata shali in which shall compose a ton, to equal a
Coffre


 dye woods, Aligar, fice, honey, or or ore, heary
articles Shicles

iny the full caparcity of the casta, wenerally, recken. lult 896 " arain, peas and beanis, in caslaska, wine measure: 200 cala
 Stone coal India
Cetton, planks ; furn, peltries, in bales or bozes
ngreement, tt shall shipped by the horshead, 10. \(1,120 \mathrm{ib}\).
capacity of the calk. Freights and conmist 110 gallons, estimated on the futl
Fretithts (and coinmission on them), when in aterling
 erchange.
Monites-at the mouth of the Alabama river in Mobile Bay-harl, in \(1860,29,258\) inhabitants, export of cotton, its port in tho Union for the August 31, 1867, having been 1 in the year ended New Orleans exported 6180 103,424 bales, while 470,596 , It has aiso an 618,910 , and New York increasing trade in other thextensive nud rapidly for nenrly the whole of Alabame being the entrepồt the domestic produce (principall. The value of from this state in the year \(180^{\circ} 7-58\) cotton) exported \(21,019,266\) dollars, being more than thounted to other state excenting New Yore than that of any The imports are compnew York and Louisiana, amounting to more than 500 inconsiderable, not The value of the aggregate business transacted in Mobile in the yearellding June 30 ess transacted in by Messrs. Beiding, Keith and \(\mathbf{C}, 1867\), as qnoted fressional elition of the and Co. from the conCommissioners of Revenue, was 77 of the Special Mobile had on June \(30,1858,47,444\) to 00 dollars. of which nearly a half, or \(21,9 \overline{218}\) tons shipping to steamers. a nalf, or \(21,9 \overline{8} 8\) tons, belonged
The entrance to Mobile Bay is between Mobile
point on the E., and Dauphin Island on the Wile

027


nbout 34 miles apart, the deepent chnnnel having 15 feet water at low ebb; but vessels drawing more than 8 or 9 feet whter cannot, owing to \(n\) shoal in tho bay, reach the town except at
high water., A lighthouse erected on the me
 tixed light elcvated 65 feet above "the level the sen.

Fintries and Clearances of Vessels at Mobile (exclusive of Steamers and nther Craft sariguting th Nivers and Bay) for the Year endiny June 30, 1858.


The enormous difference which nppears between the number of coastwise vessels entered and cleared, is owing to the fact that all the mall-line stenmers and schooners, from Now Orleans, enter at the Custom-house, and in no inatance clear in returning.

Rates of Pilotage at the Upper Bur.


The following scale of charges whe :animously adopted at \(n\) meeting of the Mobile Chamber of Conmerce, held at the Merchants' and Planters' Exchange, on November 22, 1865, viz.:-

dols. rfs.
\(2 \xi\) per cent.
\(-\quad 3 \quad "\)

We are indebted for the corrections in the above two articles to Mr. Consul Donohoc's published lleparts nnd to valuable private information.
For United States Tariff, see New Yonk.
NEWSPAPERS. Publications in numbers, consisting commonly of single shects and published at short and stated intervnls, conveying intelligence of passing events.
Importance and Value of Newspapers in a Commercial Point of View.-It is forcign to the purposes of this work to consider the moral and political effects produced by newspupers : of the extent of their influence thicre is no doubt, even among those who differ widely as to its effect. Their utility to commerce is, however, unquestionable. The advertisements or notices, which they circulate, the variety of facts and information they contain as to the supply and demand of commodities in all quarters of the world, their prices, and the regulations by which they are affected, render newspapers indispensnble to commercial men, supersede a great mass of epistolary correspondence, raise merchants in remote places townrds an equality, in point of information, with those in the
grent marts, and wonderfully quicken all movements of commerce. Newspapers the selves have also becoine an important commen article. In 1852 the nett produce of the stin duty levied on newspapers in the United Ki dom was 412,9561.: the kross proluce of the mny be estimated nt if times this sum; mo on this lyyothesis the newspapers prondued that year must have eust the pullic ab \(1,858,3024\). stcrling, erclusive of the sums paid advertisements.
Newspapers, in i.ondon, are sold by tue lishers to newsmen or newsvendory, hy whim are distributed to the purchasers in town country. The newsmen, who are the rete receive, for their busincss of distribution, a lated allowauce. The pmpers sold to the publ \(5 d\). . wi:ielh down to \(185 \overline{5}\), formed the great of Londion newspapers, are sold to the nens in quires. Wach quire consists s: 27 papers has been charged to the newsmien at \(\beta_{4}\) so that the newsman's gross prolit on \(2 i\) p was 2 s . lid. In some instances where nergy are sent by the post, \(\hat{f} d\). additional on each has been charged by the newsmen to their ou customers. Some of the elerks of the post-0 called clerks of the road, used to be conside newsagents ; but this, we believe, is no longe case. Previously to 1836 the stamp duty newspajer was rather under 3 \}d d. ( 4 d,cent.) ; but it was then reluced to ld a act Advertisements form a considerable soar profit to newspapers; and without them, so those papers that are most widely circ could not support their great expenditure to 1853 , all advertisement \(\$\), without distine length, were charged with a duty of las cid which produced, in 1852, 167,696.19. \(5 d\). Great Brituin, and 13,5001. 18s, in Ireland this duty being on various accounts high jectionable, wns then repenled. There means by which to lenrn the proportion of vertisement duty which was paid by dens Probnbly, however, we shall not be fat if we take it at : of the entire sum charges of newspapers for advertising rary the length of the advertisements and tie lation of the papers. It is obvious, inder an advertisement in a journal which is circulated may do more to disseminate inic in regard to the matter to which it refers insertion in half a dozen papers of limita lation.

Papers have been set on foot in dififers of the kingdom which contain aderti only. They are not soll, but giren 1 t some of them are very extensivel! dif Their protits depend on their popniaity ndvertising world, or on the number lit ments sent them.
Inasmuch, however, as but lith eto paid to what is given gratis, we wobl

\section*{ F \(=\) \(z_{2}\)}
ed on the point W., extiblits rove the level
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ly quicken all Newspapers thet nportant commers coduce of the stat in the United Ki produce of the es this sum; no wapapers proluced of the public ab te of the sums [aid
nte sold by the svendors, hy whom chaners in town who are the retai of distribution, of iers sold to the pubt , formed the great 1 re sold to the news unsists c: 27 papers, ce newsmen at 85 pross profit on 27 p tances where nerspa additional on each newsmen to their 0 clerks of tho posto used to be conide believe, is no long 336 the stamp duty under \(3 \frac{1}{2}\) d. (4d.reduced to \(l d\). nett. considerable ut without them, most widely cire sreat expenditure. nt \(\alpha\), without distine jth a dute of Is Gul \(2,167,6951.9 \mathrm{~s} .5 \mathrm{~d}\). ,001. 18s. in lrelan rious accounts high repealed. There on the proportion of I was prid by neme e shall not be lar of the entire sum for advertising rar rtisements and the It is obvious, indee a journal which is to disseminate info to whicb it refers en papers of limite
it on foot in differe ch contain aurech sold, but given ry extensively dis in their popuianty on the number of as but litte ste gratis, we dubt

Q a sbore be really advantageous engines for drerising. It has sometimes been tried, with a rinto lessen the expense of advertisementa, to nem certaln descriptions of them, such, for aname certan noticen of books, to some one jourasuple, ins of journals. Int the experiment has no of ent degreo of suecens.
Woo great dog nowapers havo becomo remarkThe Londoa newapapers havo becomo remark We for the great mase ability of their lealing Thich they rapility with which they are printed mise, ndindaris of debstes. These resulta are d their reports of texmenditure and congiderable Wined by s large expenditure and considerable thinion of labour. The reports of parliamentary aniladinas are ohtained by a succession of able ad intelligent reporters, who relieve eacli other intervals of 4 of an hour, or occaslonally less. I wropsper cannot aim at copious and correct mans with less than 10 reporters for the Jouse (Commons; and the expense of that particular dumag newapaper establishment oxreds 2000 l per annum.
hmultions os to Newspapers.-The Aet 6 \& 7 Inill .76 introdncel severni new regulations teil mand to newspapers. Among other things, tigeed a duty of Id. on every sheet of paper - 4 a newspaper, provided its superficies Muxereed 1,530 square inchea; of \(1 \frac{1}{2} d\). if it maxd 1,300 square inches, and did not exceed 2my yure inches; and of \(2 d\). If it exceeted us pure inches. When supplements wero 45 with ne wrpapers, they were esch charged tithanof dd., provided their superticies did x naxids equaro inches.
Thiwneeither more nor less than a dovice to riturico of newspapers by imposing a peculiar Ta ave publishera who night be disposed, by ming the olze of their journals, to lay tue rapply of information or amusement bephairmeders. But this ingenious scheme for "ha smull be substituted for a large measure miniznece has since been, if not abolished, at meriully modified. The Stamp Act of Mis \(16 \& 17\) Vict. c. 63 , has the following miviz:-
Lubxties on Newspapers and Supplements.Hiter ramp duty than 1d. shall be chargeto my nemapaper printed on one sheet of exantining apperficies not exceeding 2,295
Imppement published with any dewapaper trumped with the duty of \(1 d .\), such supplePbing printed on one sheet of paper ouly, Iygetber with such newspaper containing in Myngute as superficies not exceeding 2,205 midull be free from stamp duty.
Hyober aupplement to any such duly stamped mere shall not be chargeable with any *utump duty than dd., provided it does not min superficies exceeding 1,148 inches.
\({ }^{2}\) my tes supplements to any auch duly nd neerspaper ehall not be chargeable with Hhber stamp duty thau dd. on ench, provided dech supplements be printed and publiahed mideet of paper oaly, and that they contain bern superfcices not excceding in the aggre\(\$ 295\) inches.
*vpericies in all the cases aforesaid to be one
dyyo the shete of paper, and exclusive of urino of the leter-press.
Adt 6 \& \(i \mathrm{Wm}\). IV.c. 76 exempts from this on newspapers ' any paper called Police *y or Hue axd Cry, published in Great mind by then esity of the Secretary of State, or znd by the suthority of the Lord Lieutenant thre Goremment Gazettes published in

L,ondon, Elinl:urgh, and Dublin, ceased in 1868 to hear stampu) : daily accounts or bllls of goots Imported apal exported, of warrants or certlifeates for the dr.llvery of goonla, and the weekly bills of mortality \(t\) and alno papers contalning any list of price current, or of the state of the markets, or any account of the arrival, sailing, ot other clrcumatences rolating to merchant ships or vessels, or any other matter wholly of a commerelal nature: provided such bills, Ilsts, or accounta do not contain any other matter than what lath becu uanally comprised thereln.

And tho \(\begin{aligned} & \text { anne Act lays down the following }\end{aligned}\) rules; viz. a sliacount of 25 per cent. is to be allowid on the aboveduties on newspapers printed in Irelant. (See. 2.)

In order to prevent fraud in the returns as to newspapers, it is enacted that from December 31, 1836, a separato or distinetive stamp or die shall be used for each newspaper. (Sec. 3.)
No person is to print or publish a nowspaper until after a declaration has been made and lodged at the Stamp Office, containing certain particulars (specifled in the Act), as to the names and addresses of the printer, and certain of the proprietors of such paper \&e., under a penalty of 501. L'orsons wilfully making a false or defective declaration are, upon conviction, to be deemed guilty of a misdemeanor. (Secs. 6, 7.)
There are a number of regulations intended to provide for the discovery and liability of the printer and proprietors, the security of the duties, and the prevention of the sale of unstamped papers. A penalty of 20l. is imnoged on any person printing, publiahing, aelling de. newspapers not duly stamped; and it is declared to be ticwful for any officer of stamps, or any person authorised by the commissionera in that behalf, to seize any such offender, and take him before any justice having jurisdiction where the offence is committed, who shall summarily determine the matter, and upon conviction and default of payment, ahal commit auch offender to prison for some term not exceeding 3 calendar months, nor less than 1 calendar month. (Sec. 17.)
Penalty for sending abroad newspapers not duly stamped, 50l. (Sec. 18.)
Justices may grant warrants to search for unstamped newspapers, and to seize presses \&c. nsc. in printing the same; and on refusal of admittance, officers may break open doors \&c. Persons resisting officers, liable to a penalty of 20I. (Secs. 22 23.)
Influence of the Reduction of the Duty in 1836.Tho reduction of the price of newapapera from \(7 d\). to 5 d , occasioned a great inerease in the demand for the old or established papers; and a considerable number of new weekly papers also started into existence after the reduction of the duty in the metropolia and throughout the country. Down to 1855, however, with one exception, no new daily paper was established in tho metropolia.
Newspaper Act of 185b.-But a still further and most important change in tho regulations as to pewspapers was effected by the Act of 1855,18 Vict. c. 27. It exempts newspapers or periodical publications, not transmitted by post, from all charge for duty; but the existing duty, and the other arrangements referred to above, sre still kept up in the case of newspapers sent by post. Inasmuch, however, as newapapers may be readily transmitted between the principal places in the United Kingdom through private channels, it is probable that the post will be but little resorted to in tine to come, except in the case of newspapers aent to the country, or to places out of the way of
the great lines of communiention. And hence, no doubt, the alolition of the duty on the grent majority of nownpmpers will be the principna fimmedinte effeet of the new aystem. We beg to annox the foliowing abstract of the Act referrell to.

Not comps/aory to print Neurapapers on Stuapa. -From and after 14 dayn from the passing of thin Act, it alinll not be comp,ilaory (except for tho purpose of free tranamission ity the post) to print any newspaper on paper stamped for denoting the duties impored by law on newapapern, and no person shall be aubject or llable to ally penalty or torfeiture for printing, publinhling, selling, or having in hin possession any unstampel nowspaper. (Sec, 1.)

Periodical Publications printed on Stamps to be transmitted by Post frea of Postage.-livery periodleal publication hereinafter mentioned which shali be printed within the United Kingdom on paper stamped for denoting the rate of duty now imposed by law on newspapers, shail be entitled to the llke privilegea of tranamisalon and re-tranamisaion by the post between places in the United Kingdom, either postage-free or otherwise, on the snme terms and conditions and under and subject to the like rules and regulationa, as newspapiers duly stamped aro now entitied and subject to under any Act or Acts in force, but under and subject nevertheless to the terms and condltions contnined in this Act. (Sec. 2.)
Periodical Publications entitled to free Transmisaion by Poat to be printed under apecified Limitations and Conditions.- Every periodical publication, to be entitled to any such privilege as aforesaid, shall be printed and published at intervals not excceding 31 days between any two consecutive parts or numbers of such publication, nad shall be subject to the same limitations and restrictions with respect to the number of sheets or pieces of paper whereon the same shall be printed, and with respect to the superficies or dimensions of the letter-press thereof, as by any Act or Acts now in force are enacted or imposed with respect to newspapers and supplements thereto; and every such periodical publication ahall be entitied to such privilege only on the terms and cunditions following; viz. one of the sheets or pieces of paper on which the same shall be printed, shall be stelur ed with an appropriate die, denoting the stamp duty imposed by law on a newapaper printed on the like number of aheets or picces of paper and of the like dimensions with respect to the superficies of the letter-press thereof; and on the top of every page of such publication shall be printed the title thereof, and the date of publishing the same, and such periodical publication, at the time when the same shall be posted, shall be folded in such manner that the whole of the stamp denoting the said duty shall be exposed to view, and be distinctly visible on the outside thereof; also such perlodical publication shall not be printed on pasteboard or cardboard, or on two or more pieces or thicknesses of paper pasted together, nor shall any pasteboard, cardboard, or such pasted paper be transmitted by post with any such periodical publication either as a back cover thereto, or otherwise. (Sec. 3.)
Paper to be stamped for such Periodical Publications \(\& c\).-It shall be lawful for the proprictor or printer of any such periodical publication to send to the Commissioners of Inland Revenue, or to such officer as they shall appoint or direct in that bchalf, any quantity of paper to be etamped with all appropriate die, to be provided in the manner directed by the Act 6 \& 7 Wm . IV. c. 76 s. 3, for denoting the rate of stamp duty chargenble
oflicer of the fuli amount of the wame to the proper to impreased on much paper, the pile tuiteden nioners alall caune the paper, the noll tommin ingly: provided alwayn, that benaman acrond ingly: provided always, that there uhall b allowed in I reland, lin rempeet of suche spinappriat atamps as aforesnill for any periodical publication innd, the same printe of discount publed only in th iand, the same rate of discount an by the paid.
is is ilirected to be allowed on the purchace stnmps for the printing of newspapery in Irelary
(Sec. 4.) (Nec. 4.)

Periodical Publications to be posted within Days after Prblication.-Fivery intionlical ention poated in the United Kingiom, to be titled to the privilege of Iranamisuion by the between pinces in the United KIngdom, under provisions of thla Act, shall be puit into a oflice within 15 daya next after the day on wh the anme sinali be published; the day of puilicat to be determined by the date of such pulbication
(Sec, 5 .)

Questions as to Periodical Publieations, han ternined.-In all cases in which a questinn arlse whether a printed paper Is entitied to privilege of a periodical pubiication, so far respects the transmissinn thereof by the under the provisions of this Aet, the ques ahall be referred to the determiuation of the \(p\) master-(icaeral, wiose decision, with the om of the Commissioners of the Treasury, shat final. (Sec, 6.)

Newspapers may be registered at the \(G\) Post Office.-Upon the Postmaster-Generaly antisfied that any printed publication is a 3 paper, or entitled to the privileges of a newge within the meaning of the treaties and ary ments with foreign powers and colonial ments, it shall be lawful for the propnet printer of such newspaper or publication, think fit, to register the same at the Geneal Office in London, in auch form and with particulars relating to the same, and sobie the payment of such fees, not exceeling in spectively, as well on registration as after periodically for being continued on the rgy as the Postmaster-General, with consent Treasury, ahall from time to time directorn in that behalf; and thereupon such newout publlcation, being printed on paper duly st with an appropriate die under the procisis this Act, shall be entitjed to all the privi and advantages secured to newspaers by such treaties and arrangements. (Sec, i.)

Tranamission by Post of pristed Pop Foreign Countries,-It shsill be lawful \(h\) Trensury, by warrant under their hands, to any printed newspaper (British, coloril foreign) to be transmitted by the post l places in the United Kingdom and coleg forcign countries, or between any ports or beyond the sea (whether through the Kiogdom or not), either free of postage or to such rates of postags not exceeding \(2 d i\) newspaper, irrespective of any foreign or postage, as the Treasury, or Postmastert with their consent, shall from time to time fit; and as a condition to any British nem being transmitted by the post to any plat the United Kingdom, the same shall be on paper duly stamped with an appoopl under the provisions of this Act, and theT or Postmaster-General msy require suz paper to be registered at the General Pas in London, in the form and with the and subject to the payment of the \(\begin{cases}\text { sa } \\ \text { sa }\end{cases}\) in last section. (Sec, 8.)

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cnited Kingdon nited Kingdon Truld be prem: weace in regard beasure, But It was conte Tpapers tras r turantages that the cland and thating and that th joumals in \(t\) ! it as mureh fo: tin the higher cons bare not he Whether the cir sald Commito tamperl arcunt. liere whall be chajpitopitiatel beal juiblicatona ned only in the by the saind the purchase perty in Ireland

Pourr to the Postmaster-General and Treasury Powh Retulations for currying the Aet into etfryt. nondir be lawfil for the lostmaster-ibenernl, -ithas conemt of the 'l'reasinry, at any time or mid Litis hicaudions, mad restrictions as lie
 dall deans to be necesany or exprenient for the parnee of rogulating the recejpt, tranmminniot, parner divery by post of perfodical publications on der provilums of thin Aet, or for prevernting blet the proula or abmaes in relation thereta, adetecting trauk the purmoses of thls tet wh for giving eflect to the purgonen of this det; os it thall also le iawful for the sain lost-mste- General, with or revoke all or any wnch t time roulations, conditlons, nuel restrictions, oirs, requlations, conditons, new ones in lious nd to make and issue any new ones in lien Heof. (sec, 9.)
Priontenl Publiculions sent by Post not in conPriaus this Act to be charyed Letter Rates of phithen-1'eriolical publications sent by post deracive than in confurmity with the terms, nodition, and regulations established under the ndinity of this Aet, may bo detained by the medercieneral, und any offleer of the loost purim after beine openel, tho same slaall be open ider retumed to the senders thereof, or formdded to the place of their destination, clanged nimbly like rates of postage as if the same were hun trasmitted by the post : provided always, tit thall be lawful for the Treasury, by warruut wie their hands, to anthorise the loostmenciferal to charge, in any such case, nuy nedesutic of portage as to him shall seem fii. ( \(\mathbf{( 1 )}\) (1)
Uudu Gazette to be Evidence of the ixsuing of lymat or Orders.-Any printed copy of the Lem Gasette io which any warrant or orter madr made under or by virtue of this Act, or uring so to he, shall be published, shall be hinted as cridence by all courts, judges, juswad ethers, of such warrnat or orler, and of Fthe making sud lssuing thereof, and of the Wens theref, without any further or other
mid such warrant or order, or of the matters Frin ontained. (Sec. 11.)
buprration of 'Terms.-The term ' periodical Waisia' need in this Act, shall be construed ran mud include a nowspaper as detined by. alds in force relating to the stamp duties on mperes, and every printed literary work or c, rinted snd published periodically, or in oor numbers, at intervals not exceeding 31 metween any two ronsecutive papers, parts, embers of such literary work or piper ; and \(\llbracket\) be purposes of this Act the islancls of mesp, Jersey, Aldemey, Sark, and the Isle of phinl respectively be deemed to be parts of Triel Kingdom. (Sec. 12.)
Ivald he premsture to speculate with much tane in reqard to the results of this importrasure, But wa doubt whether it will have baedial influenee which many bave anticia liwas contended in 1836, when the duty anpppers wse reduced from 3td. to 1d., that madrantages would result from this reducthat the claudestine circulation of cheap ad advicating dangerous doctrines would find that the stigma attached to lowM pannals in tha public estimation being med, men of pbility and attainments would it s muxh fo: their advantage to write in usin the highel. nrizsd journals. These exrinns have not been realised; and we much krhether the circulation of low-priced polijomanas can ever be of advantage. Sueh 3 are, speaking geverally, aduressed to the
lower and poorer claseas of the community: and their writers usually ind it more for their wivinutuge to thater the prejullees entertained by their ronders, and to espuse their peculiar view, how inconvistent soever these may be with the int rests of wedety in genernl, than to inculeates sumuder though lens popular principhes, Hence the guestionable character of the greater number if the low-prieed papers, or, at lenst, of such of thew as are read by the lower orders. This, perhapw, may he a necessnry evil in a highly advanced comentry like this; but whether it be so or not, there cail be no doubt of its exintcnce, atul of its mugnitude.
It has mometimes been thought simgular that that dlyision of subjects which has been introulacel into most other things has not been introluced amnongst newspapers. Insteall of luving all sorts of matter crammed into the saume journal, It inight be presumed that the better plan would be tolave all tupies of considerable interest scparately treate: in papers approprlated to them only, and conducted by persons fully conversant with their principles and detnils. Under the present omuivoruses system, individuals who eure nothing for the thentre, are, notwithstnuding, unablo to procire a paper In which it does not occupy a prominent place; nnd those who eamnot distinguish one tane from nuother have daily served up to them long dissertations on concerts, operas, orntorios, and so forth. lint,-how desirable soever, in some reapects, the plan of appropriating parthealar papers to particular subjects does not apperr to le at nll suited to the publie taste. In a well-conducted dally paper, like the Times, nbly written articles on all subjects of interest are brought together under the reader's notice, who may real them all, or sueh only as he pleases. This is incomparably more convenient than to havo to hunt for dififerent articles among a variety of jomruals; and ly, in fact, the only plan calculated to meet the wants and exigencies of the public.
Impolicy of imposing a Postage on Newspapers.The duties now substantially repenled, producel, in 1853, 412,220l. nett, no inconsiderable sum in a period of wnr. In point of faet, however, they could hardly be colled duties, nud ought rather to have been regarded as a payment for the troublo and expense attending the conveyanco and distribution of newspapers by post. But supposing such to be the case, it was argued that the duty should lie so limited, that is, that it should only be imposel on papers carried by the pest. Matters of this sort are not, however, to be decided by mere logical considerations. The effect of the new plan is to contine, in a greater or less degree, according to circumstances, the circulation of nowspapers to the districts within which they are published; and this certainly is not a desirable object. Hitherto the Times and other London ournals displaying the greatest talent, nud embracing the most varied information, lad been distributed all over the country at about the same price as the local and inferior journals. But under the new plan the charge for conveyance, or it may be postage, being added to the price, of the metropolitan jeurnals, they become dearer than the local papers, aud people in many, or rather perhaps in the majority of instances, will be disposed to prefer the low-priced though inferior journal published at their door, to the superior but ligher priced journal of the capital. If this should turn out to be the case, it will be a serious disadvantage: and by depreciating the quality of the journals circulating over the comitry, and fostering local prejudices, will far more than neutralise the advantages which it is presumed will result, under
the new plan, from the establishment of low-priced papers. These advantages are, indeed, of a very doubtful description. It is true that many of the inferior papers formerly to be met with inculcated perniclous doctrines. But it is by no means clear that their influence will be in any degree lessened by the new system. On the contrary, it may not improhably be increased. The late duty alliected them to the same extent that it affected other descriptions of papers; and as they circulsted when charged with this burden, it appears reasonable to suppose that they will circulate still more extensively when relicved from it. On tha whole, therefore, we anticipate little or no advantage from the new plan. But we are, at the same time, ready to admit that no system of this sort can be safely judged a priori; and that the results of experience may differ very widely from these of theory.

In the Post Office returns, the free and chargeable newspapers are mixed with book packets, the number of each not being distinguished, but the whole numbering in \(1867,102,273,301\).
Piracy in Newspapers.-The great difficulty under which the leading journals are at present placed, is the want of any available copyright in the news or in the articles which they supply. The important information collected by the agents for the Times in all parts of the world, and the able disquisitions in that and other journsls, may be (and no doubt will be) published, in an hour or two ofter their first edition in London, in lowpriced journals in Manchester, Liverpool, Glasgow, and so forth. This is a gross abuse. And though it be difficult to deal with, it seems pretty evident that if it be not put down, it can hardly fail, by robbing the metropolitan journals of great part of the advantages derived from their extensive connections and vast expenditure, to make them less anxious to cater for their readers, and so to degrade the quality as well as the character of the press.

Notices of Newspapers.-The history of news-
papers, and of periodical literature in generat remains to be written; and were the task exe cuted by an individual of competent ability, and with due care, it would be a most interesting; and of Mr. Chalmers, thappears, from the researches lished in modern Europe, made its appaper publishert in modern Europe, made its appearance at
Venice in 1536 ; but the jealousy of ter Venice in 1536; but the jealousy of the finern ment would not allow of its being printel; script I It Venctian coin of that name, for from a small Venctian coin of that name, for which it wal
usually exchanged. (Camusat, usually exchanged. (Camusat, Histoire des \(J\) Jour nuur, i. 119.) Newspapers were first issued Eingland by authority during the alarm occasion by the approach of the Armada to ous shores: order, as was stated, by giving real information allay the general anxiety, snd to hinder the dit semination of falso and exaggerated statement From this era, newspapers of one sort or on have, with a few intermissions, generally appear in London; sometimes at regular, and sometim at irregular intervals. Duriag the civil war both parties had their newspapers. A newspap was published in Scotland, under the auspices Cromwell, in 1652. The Caledonian Deraw was, however, the earliest of the Scotch newspare of native manufacture; it first sppeared at Lid burgh, under the title of Mercurius Caledoniun, 1660 ; but its publication was soon aftery, interrupted. In 1715, a newspaper was, for first time, attempted in Glasgow

The Daily Comrant, the first of the daily aen papers published in Great Britain, made its pearance in London in the carly part of reign of Qucen Anne. (Life of Ruddiman, 102-21.)
From the Stamp Office sccounts, it appeast the number of nesspapers sold annually in E land, during the three years codint with \(1 ; 53\), ,411,75: ; in 1760, 9,464,790; ia 1790, 14,033,3 in \(1792,15,005,760\).

An Account of the Gross Produce of the Duties on Newspapers and Advertisements during each of Undermentioned Years, in England, Scotland, and Ireland.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{\[
\begin{gathered}
\text { Year } \\
\text { Jending } \\
\text { January }
\end{gathered}
\]} & \multicolumn{3}{|c|}{Newspapers} & \multicolumn{3}{|c|}{Advertisements} \\
\hline & England & Scotland & Ireland & England & Scotland & Trelu \\
\hline & & & & & & \\
\hline 1811 & \[
\begin{array}{cc}
728,413 & 10 \\
385,095 & 11
\end{array}
\] & \begin{tabular}{llll}
21,468 \\
21,054 & 13 & 8 \\
\hline
\end{tabular} & [ In thome years \({ }_{\text {a }}\) there was no & \(\begin{array}{llll}113,546 & 19 & 1 \\ 1119 & 195 & 11 & 5\end{array}\) & \(\begin{array}{llll}13,041 & 8 & 0 \\ 14,397 & 9 & 0\end{array}\) & 15,943
20,199 \\
\hline 1813 & 345,902 18 & 22,913 6 & \(\left\lvert\, \begin{aligned} & \text { there was no } \\ & \text { separate } \\ & \text { ace }\end{aligned}\right.\) & 113,875 is \({ }^{1}\) & \begin{tabular}{l}
14,397 \\
\(14,4 \%\) \\
\hline 180
\end{tabular} & 20,199 \({ }^{2}\) \\
\hline 1814 & 362,441 4 & 41, 946 197 & \{count kept of \} & 114,111 1210 & 14,6\%3 70 & [1,20] 1 \\
\hline 1815 & 363,50014 & 20,1587 & stamps lssued & 106,575 9 & 1311030 &  \\
\hline 1816 & 368,414 3 5 & 20, 28112104 & to newerpapers & \(\begin{array}{lll}110,941 & 6 & 6 \\ 118,202 & 3\end{array}\) & 14,017 750 & 20, 19 it \({ }^{\text {a }}\) \\
\hline 1817 & 350,493 15 8 & 16,fill \({ }_{10}\) & in 1reland, & 118,20\% 3 & 15,353, 606 & 18, 49 \\
\hline 1818
1819 &  & \(\begin{array}{ll}11,1 \times 8 \\ 17,4 \times 1 & 13 \\ 1 & 4\end{array}\) & 18,885
20,210 \(16{ }^{2} 8\) & 116,352
19,283
19 & \(\begin{array}{rrrr}16,666 & 13 & 0 \\ 17,217 & 6 & 0\end{array}\) &  \\
\hline 1820 & 363,060 11 4 & 19,060 50 & 21,187 1118 & 12\%,227 3 3 & 16,911 96 & 16, ill i \\
\hline 1 ¢\% 1 & 419,618 158 & \% 0,60968 & 22,593 1010 & 123,712 156 & 16,418 is 0 & 13, dis \(^{\text {of }}\) \\
\hline 1829 & 394,995 174 & 19,313 18 \% & 29,346 97 & 125,965 176 & 16,095 20 & 15, 10 \\
\hline 1823 & 378,185198 & 20,337 810 & 23,936 1 01 & 131,488 120 & 17,030166 & 13,098 \\
\hline 1841 & 340,37588 & 21,795 130 & 2,5,448 \({ }^{2}\) & 123, 77.557 & 16,770110 & 11,519 \\
\hline 1825 & 409,241 0 0 & 21,387 9 & \(\begin{array}{llll}25,63,3 & 13 & 6 \\ 26,659 & 4\end{array}\) & 134,6331983 & 17,985 170 & 16,166 \\
\hline 1895 & \(49.5,1.54108\) & 21,119170 &  & \(\begin{array}{llll}114,751 & 2 & 61 \\ 135,68 & 7 & 2\end{array}\) & 1\%,704 180 & 15,907 is \\
\hline 1827 & 429,66\% \(15{ }^{2}\) &  & 2.5,187 11.91 &  & 17,779130 & 15,900 \\
\hline 1828 & 488,68998 & 29,929 10 4 &  & \begin{tabular}{l}
133,978 \\
136,76417 \\
\hline 10
\end{tabular} & 18,000 14 & 18 P99 18 \\
\hline 1829 & 439,795 8 8 0 & \begin{tabular}{cccc}
33,556 \\
44,301 & \(\mathbf{8}\) & 8 \\
\hline
\end{tabular} & \(\begin{array}{llll}27.330 & 16 & 8 \\ 4 \times 4,5 i 4 & 16 & 74\end{array}\) & 136,364
136,052
18
18
10 & 18,939 12.5 & 15.5115 \\
\hline 1830 & \begin{tabular}{l}
438,66710 \\
459 \\
4594 \\
\hline 10
\end{tabular} & \begin{tabular}{l}
\(4 y, 301\) \\
49,406 \\
\hline 10
\end{tabular} &  & 136,052 1810 & \begin{tabular}{l}
17,392 \\
19565 \\
\hline
\end{tabular} & 11,93
16,35 \\
\hline 1831 & 453,974 106 & \begin{tabular}{l}
49,40610 \\
54,090 \\
\hline 15
\end{tabular} & \(\begin{array}{llll}29,3611 & 14 & 3 \\ 31,46\end{array}\) & \begin{tabular}{l}
137,915 \\
137 \\
13 \\
1838 \\
\hline 18
\end{tabular} & 19356650 & 26,3i 14 \\
\hline 1833 & 490,451 68 & S1,46.5 14 & 32,513 9 of & 137,122 100 & 1月,27A 60 & 15,4017 \\
\hline 18.34 & 461,457 3 0 & 48,101 140 & 31,5!11 13 S & 114,006 2 z & 16,191 4 4 & 18,4910 \\
\hline 1835 & 458,033 158 & 49,239 19 8 & 29,782 7 9) & 73,308 18 & 10,114 169 & R,102 [1] \\
\hline 18.36 & 473,910 126 & 47,999 48 & 31,247 611 & 71,853 \% \({ }^{\text {¢ }}\) & 10,687 170 & 8.46811 \\
\hline 18.37 & 361,41314 & 37,453 50 & 26, 287 1fill 11 & 67,983 48 & 10,331 80 & 8, \\
\hline 1835 & 182,993 3 \% & 18.62118 & 21,75.5 116 & 90,501
94606 & 11,438 180 & 8 8, 67 \\
\hline 1839
1840 & \begin{tabular}{ccc}
184,077 \\
198,052 & 1 & \(y\) \\
\hline
\end{tabular} & \begin{tabular}{c}
\(90,5.39\) \\
49,400 \\
\hline 5
\end{tabular} &  &  & \begin{tabular}{lll}
13,2310 \\
13,247 \\
18 & 6 \\
\hline 18
\end{tabular} & 1,91017 \\
\hline 1811 & 202,737 18 & 22,96.318 7 & 24.830 19712 & 106,914 111 & 14,516880 & tatiot \\
\hline 1812 & 208,735 66 & 24.430120 & 21,339 69 & 10733878 & 14,217 40 & , 0 H \\
\hline 1813 & 211,7941811 & 44.027 18 91 & 23,3411151 & 1103388687 & 13.671150 & 3,301 \\
\hline 1814 & 219,164156 & 24,855 1811 & 27, 180 136 & 105,178 in 3 & 13,668 136 & 1.90 \\
\hline 1845 & \(233,216{ }^{9} 7\) & 25.248181211 & 28,721 610 & 111,498 & \(11,3170^{0} 6\) & \%in \\
\hline 1846
1847 & \begin{tabular}{l}
276,509 \\
287 \\
2853 \\
\hline
\end{tabular} & \(\begin{array}{llll}47,941 & 18 & 9 \\ 49,537 & 15 & 3\end{array}\) & \begin{tabular}{llll}
29,231 & 3 \\
29,276 & 13 & 1 \\
\hline 18
\end{tabular} & 128,359
1315
1316
10 & \(\begin{array}{ccc}18,011 & 11 & 6 \\ 17,38 & 5 & 6\end{array}\) &  \\
\hline 1847
1819 & \(\begin{array}{llll}287,535 & 17 & 10 \\ 281,338 \\ 1 & 1114\end{array}\) & \(\begin{array}{llll}49,337 & 15 & 3 \\ 31,428 & 5 & 104\end{array}\) & \(\begin{array}{lll}29,276 & 1.8 & 81 \\ 27,514 & 0 & 2\end{array}\) &  & 17,758 586 & 111/6 \\
\hline 1819 & 499,287 06 & 31,618159 & 99,380 411 & 129,568 910 & 17,910 8 6 & \({ }_{\text {Himi }}\) \\
\hline 1850 & 297, 14238 & 31,107 6 &  & \(\begin{array}{llll}133,75.4 & 15 & 10 \\ 132 \\ 0\end{array}\) & 18,426 106 & 11/404 \\
\hline 18. & 298,261 \(10 \quad 25\) & 32,3.32 16 & 26,331 1311 & 131,140 011 & 19,216 100 & 1140 \\
\hline
\end{tabular}
ind lcount of the Aggregate Number of Stumps lisured for Newspapers in each of the Under-
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline & England & tand & Inritain & Year & Enyland & Scotland & Great Mritain & 1 reland* \\
\hline & & \({ }^{991,2 \mathrm{RO}}\) & 16.085, \(0 \times 5\) & 1820 & 25,17\%, 127 & \(1,236,560\) & 26,113, & 2,971,156 \\
\hline |rwi & 17, &  &  &  &  & 1,16is, 194 & 26, & 3, \({ }_{4}, 1140,18,312\) \\
\hline (iv1) &  & 1,3049,525 & 21,385,5i18 & \(1 \times 35\) & & 3,1,2,1,15 & & 4, \(4,200,506\) \\
\hline 113 & \(23,105,985\) & Trus, & 2,3bs, & 1811 & 1) 8 , 966 & 5,663,943 &  & 6,037,795 \\
\hline
\end{tabular}
* Until 1817 no datinct accouns was kept of the Stamps iscued for Newopapers In Ireland.

Luwnt of the Aggregote Number of Stamps of One Penny and One Malfpenny Issucel for Newspapers in each of the Undermentioned Years, Distinguishing the Numbers in Englund, Seotland, and Ireland.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Ser} & \multicolumn{2}{|c|}{England} & \multicolumn{2}{|c|}{Scotand} & \multicolumn{2}{|c|}{1 reland} \\
\hline & at 1d. & at \({ }^{\text {d }}\) d. & at 1d. & at 1d. & at 14. & at 1 d. \\
\hline & 50,088, 178 & 1,481,521 & 3,510,124 & 440,100
855151 &  & 35, 3180 \\
\hline 1913 & \(31,612,195\)
\(84,0 \times 1,161\) &  & 3,8,31,67 &  & 6, \(6,68,1072\) & 112,080
29.5050 \\
\hline  & 59,691, 141 & 10,342,691 & 6,4.210, 514 & 3614,7514 & 6, 121 1,948 & 4.35,178 \\
\hline 196 & 61,4,54,3:9 & 9,110,1311 & 6, 8 S4, 3116 & 310,5?1 & 6,990, 1119 & 131,94.5 \\
\hline 190; & 61, \(138,1,160\) & \(8,197,167\) & 7,141,11.3\% & 2.34,175 & 6,571,607 & 57.510 \\
\hline 1819
1019 & \(67,466,768\)
\(66,159,9012\) & \(\begin{array}{r}8,701,2.36 \\ 10,309,233 \\ \hline\end{array}\) & 7,417,165 & \% 76.858 & 7,1428,986 & 41,7148 \\
\hline (19) & \(65,712 \times 71\) & 11,681,1<3 & 7,613,04.5 & 2 11,461 & 6,3m\% 324 & 43,3:8 \\
\hline
\end{tabular}

Whum of the Number of Stamps Issued to the under-mentioned Newspapers in England, Ireland, inotuml, and Wules, during each of the 6 Yeurs ending with 1850, and in the Year ending Jum 80,1867 .
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{England} \\
\hline \multirow[b]{2}{*}{Lsax Papana} & \multicolumn{6}{|c|}{Newspapes Stamps} \\
\hline & 1816 & 1817 & 1818 & 1844 & 1830 & 1867 \\
\hline & \({ }^{7}\) & (83,2500 &  & 90,668
147,5019 &  & 7, 72.250 \\
\hline unteres in & 1 \(1 \times 1,100\) & (18, \(0 \times(x)\) & 12, & 12, & 18,100 & \\
\hline and smikponer & \(\xrightarrow{29,700}\) & \begin{tabular}{l}
26,730 \\
\hline 17
\end{tabular} & 21.000 & 88,725 & 23, 3 & 39,262
\(\cdots\) \\
\hline  & \(\ddot{\square}\) & 11,503 & 11,000 & 17,760 & \({ }^{16}\) & \(\because\) \\
\hline Miver Howerter & 10,3.00 & \({ }_{1}^{1,5,10 \times 3}\) & 1, & (12, &  & - \\
\hline  &  &  &  & - \(1.776,500\) & (, \(2 \times 2025050\) & 178,375 \\
\hline  & (, & 1, 5660.60 & (\%) &  & - & 517,946 \\
\hline \% & 254,331 & 216,000 &  & - & 163,735
229,900 & .. \\
\hline  & 13, 200 & \(\underset{36,600}{30000}\) & 9, & 3, & 22, 7 \% & 9,000 \\
\hline mitherd & -37,180 & (36,000 &  & 30,509 &  & 65,000 \\
\hline metumatie & 41,5413 & 37,693 & 266, & 18, \({ }^{109}\) & 17, 13 & 75,300 \\
\hline Smustaver & 86,700 & - & \% & 边 & (2, & 26,000 \\
\hline Hindsyetiazetie & - 33,975 & - 58.600 & 16,000, & (13,030 & ( 41 & \(\because\) \\
\hline manumitor & 31, 170 & 21,000 & 2(1,0)0 & 25, 5 , 50 & 2, 3,314 & \(\because\) \\
\hline mataluris & 1,700 & 1,0.05 &  & 131 & 9\%,100 & \(\because\) \\
\hline mentime. & \(\because\) & \(\because\) & 9,000 & \%27, 0 O1 & \%1, & : \\
\hline Fsimad. &  & 5,4:7,009 & 3,530,638 & 1,3ititho & 2, 152,1040 & 99,685 \\
\hline -xyill & 330,000 & 5,50,009 &  & 673,001 &  & 235,41010 \\
\hline masidel Grethe &  &  &  & 18,
\(14,66(1)\) & (1) & - 131,245 \\
\hline man & 175,175 & 233, 5198 &  & \(8{ }^{200,506]}\) & 199, 1050 & \%6,950 \\
\hline & \({ }^{1695,531}\) & \%287,000 & 2030,100 & 197\% 9600 &  & 2\%,006 \\
\hline  & \(\because\) & 693,7\%0 & 118,250 & 91,300 &  & 1,000 \\
\hline eremicuree &  & 81,301
406,0001 & 111,4100 &  & 121,400 & 788,166 \\
\hline mant & ¢6, 61000 & k2, 350
60000 & 116, 3 (1) & 1310100 & 18, \(3 \times 25\) & \% \(2 \times 9,593\) \\
\hline \({ }^{4} \mathrm{~T}\) Tims & ;64,000 & 690,000 & 780,000 & (630,000 & \({ }^{5 \times 5,061}\) & 100,000 \\
\hline \({ }_{\text {coser }}\) & 2,367,967 36,995 & 2,2676,601 & 2,961,658 & 3,660,163 & 3, 1977 & 761,346 \\
\hline , & , \(3.72,9001\) & 1118,600 & 114,500 & 1\%\% & 110,1140 & 38,000 \\
\hline Findere Peace & 员3,400 & \begin{tabular}{l}
83,200 \\
95,050 \\
\hline
\end{tabular} & \(8 ., 9,97\)
99,785 & 81,800
89,010 &  & :1,\%10 \\
\hline mplintle &  & cen & \% \% \({ }^{2}\) & \({ }^{26,530}\) & \%6, & -. \\
\hline mexif del Piarove : &  & 2180, & 24, 20.10 & \(2{ }^{2} 0,0000\) & 88i), 1009 & 650,000 \\
\hline Cxifice Curent: & 2,663, 4,100 & 1,691,500 & 1,776,577 & 2,431 \({ }^{\text {3 }} 4.450\) & 2,559, 0140 & 62,500 \\
\hline Companion : & 2,663, \(\quad .00\) & 1,691,500 & 1,त6, & 2,3,4,000 & 2,514,504 & -02, \\
\hline Timeripres & 215,000 & 31;000 & 280.730 & 237, i 50 & 116,275 & 224,000 \\
\hline , & 91,500 & \(1(1)\) & ! 16,569 & 1106,300 & 2,571, 14.46 & 30,000 \\
\hline (30)drumber & 1,4,360,460 & 1, &  & 1, 238.540 & 2,912, & 30,00s \\
\hline \% hrud. & , \(1,342,510\) & 1,510,010100 &  & 1,147,0100 & 1,139, & \%3,888 \\
\hline kil & , 415115 & 210,290 & 2610158 & 257 ,041 & 2 84.0000 & 190, 100 \\
\hline dinat: & 14,
14880 & \({ }^{56,920}\) & 81,662 &  & - & \(\because\) \\
\hline Fivilif Rraminer & \(\because\) & & - & 35,725 & 17,200 & .. \\
\hline Mnimad doumal & 36,500 & S & 52,988 & 40,000 & 4, & \(\because\) \\
\hline momuy & 113,5100 &  & 145,830 & - 16 & 154,135
fio 320 & 66,000 \\
\hline sull \({ }^{\text {a }}\) & 32\% & 45:(100) & 6466500 & 361, 5 (4) & \(216,0 \times 3)\) & 3, \\
\hline Empartio & 1,888,301 & 1,981,833 & 2,474,033 & 2,406,167 & 2, \(2 \times 14.2699\) & 1875090
13,000 \\
\hline \({ }^{3}\) & 17ï50 & 2t2,000 & 2si,000 & 360,500 & 324.1400 & \\
\hline
\end{tabular}


ENGLAND-continmed.


Number of Stamps issued to Newspapers-continued.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{ENGLAND_rontioned.} \\
\hline \multirow[b]{2}{*}{A. Provinctal Papzia} & \multicolumn{6}{|c|}{Newnyuper Stampe} \\
\hline & 1846 & 3 A 17 & 1848 & 1649 & 18501 & 1847 \\
\hline Fomerset County Horald : & 26,000 & 27,000 & 30,000 & 32,000 & 2,00n & 30,400 \\
\hline Sheffeld Pree Prens : & 47,000 & 87,000 & נii,500 & 1sis,000 &  & 6000 \\
\hline \$hielut Gazetie- & 2i,omm & mition & 2ijono & Y0,000 &  & 6,000 \\
\hline  & \({ }_{\text {cher }}^{1,1,0,000}\) &  & (19, & (1; \({ }^{\text {c/w }}\) & 12, & \(7 \% \mathrm{~mm}\) \\
\hline Nolinhury and Winchester Journal & 13,1400
12,000 & (134,5100 & 13, 13,100 & \({ }^{1}\) & (\%10, & sou, wo \\
\hline Sussex Advertiser and Surrey Ga.
xete & & & & & & \\
\hline  & 21,393 & 35,500 & 11,500 & 88,800 & \%6, 63,1000 & 3 smin \\
\hline Susexex Exprest and Surrey Stan & 14R,000 & (168,000 & 192,000 & 184,000 & 192,400 & 320,000 \\
\hline  & 14,000 & (\%8,mox & \% 4 , 01000 & 88, & 14, & \\
\hline  & (21,300 &  & lin, & (15,751 & 14, (w) & \(1 \operatorname{ligimp}_{\text {b,up }}\) \\
\hline Ten Towna Mexsengcr & 39,560 & 26,500 & \(\xrightarrow{23,000}\) & 10, & cimen & 100 \\
\hline Oteretone Adrertiser & \(\because\) & \(\because\) & \(\because\) & & 4, 4, ¢1, & 1,00 \\
\hline Wiman reld Examiner & & 60.50 & 0000 & & 2, \(4,3,38\) & . \\
\hline Wrwick Advertiner : & 60,000 & 60,300 & 85,000 & 85,000 & 57,000 & 18,500 \\
\hline wertieer & \({ }^{135,500}\) & 132,500 & 191000 & 110,000 & 132, 410 & 31,500 \\
\hline West of Enyland Conservative & 49.360
30,0100 & (3,067 &  & - &  & 3,30 \\
\hline Weem Trimes : & 148, 300 & \({ }^{371,0000}\) & - & \({ }^{3} \mathbf{3} 5.5000\) & 19, & 36,0m \\
\hline Whimotetavend Guxcte & 43,800
\(30,0 \times 10\) & 36,030 & 36,100 &  &  & \%qum \\
\hline W1ndsor and Eton Express & 40,1000 & 5\%,140 & 37,739 & 36,010 &  &  \\
\hline Wiltahire Independent simis Stound: & 41,000 & 33,000 & 33,000 & So,0re & 35,014 & 9,000 \\
\hline  & \({ }^{29,100}\) & -88,000 & \({ }_{88,906}\) & 96,465 &  & 4,9m \\
\hline  & \({ }^{111,515}\) & 132, 3109 & 143,373 & 141,975 & 141,0k & \({ }_{\text {chem }}\) \\
\hline Worcester Jousnal (1)errow'd) & \({ }^{101} 3\) & (12, & 1111000 & 1080600
47,500 & 8, & 43,100 \\
\hline Wenton-super-Mare Gazete & 6,900 & 6,010 & 7,010 & R,000 & 8, \({ }_{6}\) & \(\because\) \\
\hline Worcenter Chronlele & 77,873 & 88,000 & 98,000
\(\mathbf{1 6 0} 0\) & \({ }^{\text {R3,010 }}\) & 88,180 & 18,0m \\
\hline Woolwich Gnzerte & 3,500 & \(\begin{array}{r}137,100 \\ \hline 1300\end{array}\) & 18, 1 & 10, & 82, \(5,3 \%\) & 87,266 \\
\hline Winbench d dxerrise & 111,(kn) & 13,000
156,000 & -14,0,0100 & 30,000
143,040 & 10,060) & \\
\hline Yorkshire Gazette \({ }^{\text {Y }}\) & 14, & 156,0100 & 150,900 & \({ }^{14,3,010}\) & 143,043 & 72,004 \\
\hline Yort llessla :- & (161,0\%0 & 165,400
149,100 & 177,500 & 211000
188,000 & \(\underset{\substack{196 \\ 161,(1) \times 4)}}{ }\) & 10s,000 \\
\hline Yerrkhiriminan & \(\cdots\) & 15, \({ }^{1}\) & 33,000 & \%6, & 127,2,0 & .. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{Wales} \\
\hline \multirow[b]{2}{*}{Walam Papmat} & \multicolumn{6}{|c|}{Nawapaper Stampe} \\
\hline & 1846 & 1847 & 1848 & 1849 & 1850) & 1061 \\
\hline Cambrian & & 68,000 & 68,0000 & & & \\
\hline Carmarthen Journal & 77,1400
48,1000 & 40,180
51,450 & 40,760
57,910 & \(39,1 \times 2)\)
66,000 & 36,135 & \(81 / 4\) \\
\hline Carnarvon aod Denbigh Hetald & 51,6(6) & 64, mo & 70,000 & 66,0100
\(6.3,1001\) & 77\%,998 & \(17 /\) \\
\hline Monmouthshire Merlin - & 66,1100 & 74,006 & 75,000 & 75,00) & 82.500 & \\
\hline Monmouthahire Beacon - & 27,100 & 47,100 & 28,000 & 26,500 & 877,500 & \(\cdots\) \\
\hline North Wales Chyonicle - & & & 18, (r)N & & 38,610
36040 & 3 \\
\hline 1'emblyokeshire Heraid & 42,000
28,074 & 36,300
23,1000 & \(36,0,10\)
241,036 & 44, & 36,010
19,0000 & 12, \\
\hline Swansea and Glamorgan Herald & & 240,010 & 48,510 & 44,010 & 4 SNO & \(\because\) \\
\hline Welshmaa - & 48,000 & 49,103) & 44,000 & \({ }^{39,1004}\) & 38.1000 & 36,0 \\
\hline Yr Amseran & 64,000 & 30,240
\(\mathbf{8 , 0 1 0}\) & 40,600
28,884 & 101,2190 & S6, 17.75
\(42,(k \times 1\) & , \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{SCOTLAND} \\
\hline \multirow[b]{2}{*}{Scotch Papera} & \multicolumn{6}{|c|}{Newapaper Stamys} \\
\hline & 1846 & 1847 & 1848 & 1849 & 18.50 & \\
\hline Aberdeen Herald & 103,040
180,250 & & & & & \\
\hline Aberdeen Journel
A berdeen Jlanner & 180,230
88,500 & 138,000
\(\mathbf{2 7 , 8 7 0}\) & 148,640
24,000 & 175,440
87,000 & 161,190
15,500 & \\
\hline Aberdeen North of Scotiand Ga- & 28, & & & & & \\
\hline Aberdeen Nort of : & 97,000
80,1000 & 76,500
80,000 & 62,500 & 48,000 & 20, 8.50 & \\
\hline Ayr Advertiect: & 41,000 & 410,0100 & 44, 1000 & - 414,100 & (xilun & \\
\hline Ayrboath Gulde - & 20,000 & 81,70 & 20,750 & 24, (M, \({ }^{\text {a }}\) & 18, \(1 \times 10\) & \\
\hline Alloa Adiveriser & 3,840 & - \({ }^{4,810}\) & 92, 4000 & 4,960 &  & \\
\hline Hanfithlre Journal & 17,050
17,140 & 21,(1) 15 & 24,000
15,510 & 28,003
16,010 & Y \(4,1,130\)
\(16,0 \times 0\) & \\
\hline Brecliun Adwertiser
Dumfries Courier & 106,000 & 1063, 100 & 10, 5100 & 110,100 & 101000 & \\
\hline Dumfrles jlerald & 40,000 & 31,300 & 34,600 & 34,049 & 39000 & \\
\hline Dumfriee Stamilarl & 35,010 & 30,100 & 29,3610 & 33,250 & 31,000 & \\
\hline Dundee Courier - worder & 818,000 & 20,150 & 74,000
70,010 & 99,2301 & 3 Some & \\
\hline Dundee Ninrlh. m Warder & \(\begin{array}{r}87,7 . \\ \text { 14, } \\ \hline 1000\end{array}\) & 74,310
143,160 & 70,010
130,1000 &  & \% & \\
\hline Cundre Advertimer &  & 2 \(40,1 \mathrm{Mm}\) & 44,3,010 & 241,n6 & 435,100 & \\
\hline Vdinburgh Mexcury & 105,000 & 106, \({ }^{(1040}\) & 107,600 & 110,500 & 106,512 & \\
\hline Edinhurgh Adveriser & 149,0100 & 143,100
15,000 & 149,000 & 13110,010 & 1315000 & \\
\hline E, itinlurgh liaxette & 24,0000 & 284,500 & 16,319
304,000 & [89,300 & 301,000 & \\
\hline  & 272,000 & 28950 & 0 ,000 & 293,00 & & \\
\hline discr \({ }^{\text {cos }}\) & 611,150 & \(619,8.50\) & 6,38,500 & 619,000 & 6i9\%f00 & \\
\hline Edinburgh Ladies Own Joumal & 24,
124,500 & 108, 0160 & 1012,010 & 31,000
\(9.5,600\) & 886,900 & \\
\hline Edinburgh Mixslonary Record, & & & & & & \\
\hline Church of ficottand : & 34,994
268,1941 & 37,113
\(267,016)\) & 84,530 & 27,981
245,010 & 2965 920 & \\
\hline Edinburgh Witness \({ }_{\text {dinlury }}\) & 240, 210 & 3,3,300 & 27,614 & 34,401 & 31,40 & \\
\hline Falinhurgh Free Chuych Alagazine & 7,6x0 & 7,450 & 10,300 & 8,110 &  & \\
\hline Eidinburgh Hailway Gaxeter - & 19,500 & 41,010 & 29,450 & 20,500 & 16,000 & \\
\hline
\end{tabular}

Number of Stamps issued to Newspapers－continued．
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{scorthand＿continued．} \\
\hline \multirow[b]{2}{*}{scorca Pt} & \multicolumn{6}{|c|}{Newnpaper Stampa} \\
\hline & 1816 & 1817 & 1818 & 1819 & 1830 & 1867 \\
\hline \％atame Chidiun Treaury & 8,418
\(\square\) & 1，690 & \[
\begin{array}{r}
3,300 \\
132,000
\end{array}
\] & \[
11_{1,145}^{7,450}
\] & 11，000 & \(\because\) \\
\hline  & ．． & 600 & y，100 & 2，150 & 8，785 & ．． \\
\hline  & & 10，000 & 23，360 & 21，760 & 19，500 & \\
\hline Tersurd Suremile Magaine： & & 12， 71.100 &  & \(\stackrel{+}{4,6,19})\) & cock & \(\because\) \\
\hline  & 15，000 & \({ }^{12,000}\) & 9,600 & \(\stackrel{9,600}{0.0}\) & － 949,0000 & \(\because\) \\
\hline  & & & & & & \\
\hline mexty & 28，000 & \(25 \% 000\) & 30，00n & 26，000 & （70，000 & （131，419 \\
\hline Miel carnm & 17，0x4 & （ex & （16，150 &  & \(19,3,50\)
37,500

3， & 10，463 \\
\hline \％Himid： & － 81.1020 & 3x， & 30， 3 （1a） & S7， & cince & － \\
\hline  & （2，041 & 4，410
5，809 &  & 9，3，93 & 11.01810 & 10，（140） \\
\hline \％ & （6，000 &  & Sion & 8，900 & \begin{tabular}{l} 
3，730 \\
13,650 \\
\hline 10000
\end{tabular} & \％ \(4,0,360\) \\
\hline mant Hradi \({ }^{\text {a }}\) & 140，000 & \({ }_{4}^{135.350 \times 0}\) &  & 100，006 & \({ }^{100,0031}\) & 82000 \\
\hline  & 79，950 & 7663010 & 6\％\％，0w & \％8，（4h） & 78,000 & ：\％ \\
\hline  & － 397,9318 & －391，000 & 390，0以0 & 3j0，（0x） & 391，010 & 9,000 \\
\hline Ement Saturday Erenins Genin motion（iumrdian & 130，001 & 113，000 & 107\％ & 110 & 1．alill & \\
\hline 6worn Notimh（iumrdian Gegry Conalitutional & 80,010 & 90，000 & 79，850 & 68，500 & 73，000 & \(\because\) \\
\hline Cusis scotidh Reformert & 131，000 & 160，000 & 199，000 & 121，000 & 182，000 & \\
\hline maxe cmation Nera： & y2， & 79，4y & （73，640） & （79，（124 & 81,000
\(19,5(1)\) & 21,000
15,510 \\
\hline Hesin Britup rienci & 1220，500 & 112，600 & 131，000 & 138，（011） & 130，000 & 3，30 \\
\hline － & 59，000 & 36，000 & 26，000 & 19，500 & 17，500 & \\
\hline  & \(\because\) & \(\because\) & 8，590 & 7，460 & － 177.700 & \(\because\) \\
\hline denjumime & 116.700 & 18\％，000 & 120000 & 113，500 & 110，000 & \\
\hline （tionmatamer & 3s，000 & 48，000 & 60， 010 & 62，300 & cisk，4．0 & 17，010 \\
\hline \％mil Reord & 20，000 & 97， 9 & \({ }_{\text {23，}}^{\text {93，}}\) & 9，i，io
98000 &  & 12，iss \\
\hline Summe Canert & \({ }^{18}\) & 17，100） & 11，000 & 48，tio） & 60，0010 & \％0， 1100 \\
\hline xitert．er & 14,000
87,250 & － 43,0000 & 40,019
26.1010 &  & 11,000
28,000 & Stione \\
\hline cinmme & 27，230 & \％2，000 & 26，7110 & 8i，963 & 28,900
3,650 & 88，991 \\
\hline Timinsenier & 20，700 & 11， & 17,000
67,200 & 19，000 & 19，000 & 1xi，000 \\
\hline Hemareme & 67， & 19，0100 & 36，009 & 44，500 & S9，060 & 3צ，000 \\
\hline \％niom & 8，000 & 9，1400 & 3，500 &  & 8，000 & 9，000 \\
\hline joilltixt & श1，\({ }^{2}\) & 15，1000 & 110，475 & － &  & － \\
\hline mimme & 54，000 & － \(5 \mathbf{5 6 , 0 0 0}\) & 60，000 & 68，1809 & \({ }^{66,0010}\) & \begin{tabular}{l} 
30，000 \\
\hline\(\because 0\)
\end{tabular} \\
\hline －utmontimal & 边 4 & 边 &  & 1，000 & \({ }^{7}\) & \\
\hline Werami． & 36，000 &  & 30，000 & 31,050
345500 & 28，000 & 13,000
8.500 \\
\hline Oberememal &  &  &  &  &  & 3，010 \\
\hline mintrin Prea． & 28，000 & － & 30,010
\(4.3,510\) & 34， 41,000 & 36，1／150 & 22，5m \\
\hline
\end{tabular}


Americen Newspapers,-The increase of newspapers in the United States has been a good deal more rapid than in lingland; a consequence, partly, no ilonbt, of the greater incrense of population in the Union, but more, probably, of their frechon from taxation, and of the violence of purly contests.
The whole number of newspapers and periodical publications in the United Sitates on June 1, 1850 , amomentel, according to the official returns, to nbout 2,800 . Of these 2,494 wero fully reported upon, while the particulars with resjeet to the others were in part estimated.
from these returns \&c. it appears that the angregnte circulation of papers and other publications was about \(5,000,000\); and that she entire number of copies printed ammally in the United Sintes, amomed to about \(122,600,000\). The following table shows the momber of daily, weekly, monhly, mul other issues, with the nggregate circulation of ench class:-
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[b]{4}{*}{} & & No. & Circulation & No. of C'oples prisited ammunity \\
\hline & \multirow[t]{2}{*}{*} & 350 & 750,019 & 2.5, MM9, (6\% \\
\hline & & 151 & 74,0110 & 11,7¢9, (1) \\
\hline & & 123 & 80,010 & \(\mathrm{K}_{1}, 320,1010\) \\
\hline Wemikry - & & 2. \({ }^{(104)}\) & 2,475,(14) & 14!,500,100) \\
\hline \multirow[t]{3}{*}{} & & 511 & \$04, 1006 & 7, \(2.40,(06)\) \\
\hline & & (141) &  &  \\
\hline & & 5 & (20, 1 H月 & k1,1MO \\
\hline Trial & - & 2.4011 &  & 1\%2.Lif(t), (\%M) \\
\hline
\end{tabular}

No othicinl statement of the number of journals in 1860 has yet been published, but there is reason to believe that the tutal did not much exceed that of 1850 . Ind the circulation increased pari presun with the propulation, we should. taking the rate of 21.81 eopies to ench jeraon (the average of 1850 ), and toking the popmation of 1868 at \(37,000.000\), have an aggregate number of copies anmally printed in tho United States of nearly \(807,000,000\).

We are not, however, to entimate the ind of newspuper literature by its pumtity ouly must have regard nlso to its quality. 'The" is, Imileed, the primeipal ihing to lie attende and in whatever deyree the Americans exceed us in the number, they certainly are below us in the guality, of their neeripa Spaking generally, we do not hesitate to that the newspaper press is disceeditable to Uuion. The jourmals indulge, with comparif few exceptions, in offensive persomalitios. In of examining the principles of the nee brought forward, they assail the charactet misrepresent the motives of those by whom are introluced. It is impossible, we belie name an individual who has nttained to an ofllee ln the United States, or to comidera Congress, who has not been libellech, traluece calumniated by a large portion of the pres degreo that can harilly be imgginel. The s turle of the evil will, probnbly; lead to it Nu people, with any pretensions to insta and morality, can patronise a press uhos cipal fentures are misrepresentationt, exagy and abinse.

NEW YORK. The equitai of the that name, the commercial metryplis United States, and one of the greatest modern times, on the sonthern extion Manlantan Island, at the point of ow of the Hadson River, which separates. Ms from New Jersey, with Last River, which: it from Long Island, lat. \(40^{\circ}\) I! ' N.. hag New York bay, or inner harlour, is saf linest and most capacions in the wer completely land-locked, ami affinds anchorage. The entramce to the harta Narrows is extremely beautifal. On the shore, thongh woodel down to edge, is thickly studded with farms rii


\section*{NEW YORK}

At the upper end are seen th the eity, and in the distance the bold pus banks of the lludson. From New the bar between Sundy llook Pohint and oisland (the divislon leetween tho onter hatbour and the Atlantic) is about 17 fortilications have been erected at the tiovernor's island, and other places, for nee of the eity and shipping. The pying plan represents the city and bay of 8, and the surrounding conntry.
mous Laglish navigator whose in 1609 , mous English navigator whose name it ea in tho serviee of the West Indin
of IIolland. In 1612, Now Amstordun of Holland. In 1612, Now Amsterdinn, rork, was foumed by the Butch, as a br the Enclish, The In l66t, it possession of it in 1673 ; but it again possession of it in 1673; but it was the English in the following yoar, and in their ocelpution till the ternsination kh has increased luited States. In 1699 it contained bitants. In 1734, previonsly to ment of the War of Independeuce, the amounted to 22,750 , Juring the war rease bused stationary; hat since crease has been quite oxtmordinnry. e population amounted to 33,131 ; in 489; in 18:10, to 123,706; in 1830, to w: in 18.10, to 312.710 ; and in 1850, This, howover, was exelusive of the Whrooklyn, which, in 18.50, amounted and is ns much a part of New York ead the of Liverpool. In 1860 the of the eity proper was 805,551 , mod opolis (including Brooklyn \(266,(667\) ),
At present (1869) the population At present (1869) the population of \(1,300,000\). Originnlly to be little of wood, and the streets nomses d. In these particulars, however, most of tans taken place durimer iomost of the old honses hanving which and rebuint with brick, Thic ingles, are well pared nul lighted. he prineipai street, is one of the finest in the world, Many of the ngs are commodions and elegant. pat were formerly abundant in the ieinity, have been completely filled f the population. In to improve owever, New York, thourhect of still rather deficient. Fitmel rdly such a thing as a sink or rin the whole city; the night-soid collected in pits, of which there was house, and being conveyed to the Were thrown into the water; nud ade of timber, with many projections, of fith whs reiaucd nbout them,
hot weather, an abominable stemeh espects a grent amendmable stench. espects a grent amendment has been
the deficieney of water, under which the deficieney of water, under whieh \({ }^{4}\) construction of the Crompletely 4 miles in Jength, a work aqueked with the noblest of the orthy ccts. It is earried over the Il aarlem ang Manhattan Islaad from the a bridge of stone of 1.4 arches, sonnetimes been visiter, by which the lower and virtited, miniformly
he lower and dirtiest part of the is also a fog bell.
Trade \& C -
town; and seldom, intleed, oxtemid to 930 and moro elevated strected, oxtemb to the new prevalent than formerly \({ }_{4}\) and the now much less suems to be, that were stone generai opinion timber in the quays, sewers stone substltuted for and proper regulationa enforewl an y constructed, the seourge goulationa enforced an to eleanliness, Now York is indebty disappear.
Increase, to her adinlrable for her wonderful Indered her the greateate situation, which has World. The riso of the emporimen of the Niuw even at elb, there is 21 the is about 6 fert. num and the vater in the outer and inuer on the bar; the river, ts so deep, that and imuer hases, mid in burden lio close to the that nhips of the largest a great distance up tho river, and niny proceed to the bay is raroly impeder. The uavigation of strength of the tide, and the hy ice. The grent keep it gencrally open, cren wheinity of the wran, nid Delawaro bays are froz when the Chesapeake of the tides is felt in the Huver. The intlance 160 miles abovo New Hudson as far as Troy, facilities for Its naviration, atforilling peculiar vantages for Its navigation. These natural ad of cagnes have been vastly extended by arni atof canals, which has contected the by aystem merely with Lake Ontarioted the Hudson not with the Ohio river, and and Lake Eric, but Mississippi and the and consequently with tho digions a commend Gulf of Mexico. So proenjoyed by aumand of internal navigation foroNew Orlonms ; but the city, with the exception of of New York, the the readier access to the port and her situation freater salubrity of the climate the Union, where slavery is Industrions part of advantages over her southern abolished, give her most probable, will sceure hern rival, which, it is derance.
prepon-
course in enterins the har, Lighthouses \& \(\cdot \mathrm{c}\). -The nenrly in entering the harboomr of New Yort ine nenrly dne west from the outermost whitork is on the bar, till the buoy on the sost white buoy of the enst bank be passed the sonth-west point nerth. The navigation is and then nearly due gencrally board vessels withomely ensy. lilots otherwise, they ure ondy entitled the bnr; for Were it not for fear of only entitled to half foes, services would seldom be reguinurances, their Pilotage, post.) seldom be required. (Rates of The lights a
are as follow . Iirghthouses in New York Bay 6 miles from Sirsst, the Snudy Ilook light vessel horn, lat. \(40^{\circ} 27^{\prime} \dot{5} 9^{\prime \prime} \mathrm{N}\), having a fog bell and south of Sandy Ifook N., long. \(73052^{\prime} \mathrm{W}\). Then houses, standing 76 are the 2 Navesink lightnove high water, and visibs apart, ench 258 fect 25 miles. Next, on Sandy, in elear wenther, fur point of the entranco to Hook, at the south \(40^{\circ} 27^{\prime} 39^{\prime \prime} \mathrm{N}\). entranco to New York Bay, lat. tower, exhibiting at 90 鲑 \(59^{\prime} 49^{\prime \prime} \mathrm{W}\)., is \(n\) white tower, exhibiting, at 90 feet above the sen, a fixed bell, which strike 15 miles. Here is also nixed bell, which strikes seven times a minutson fog Sandy llook, northward of thes a minute. On White beacons, exhibitid of the lighthouse, are 2 35 feet above thibiting fixed white lighta, ench There are 2 more be, and visible for 10 miles. beach, and one on Ceacon lights; one near the another, \(\frac{3}{3}\) mile south-el Hill, in the main chnmel another, \(\frac{3}{4}\) mile sou-eastwnrd of Point Comfort near Elin Tree Stationly from the above; one another at New Dorp, 1t on Staten Island, and on Staten Island; antother N.W. of it; another two minutes, near the soutl which Hashes every Island; another on Staten sontli-east end of Staten Narrows; and lastly, one lsland, west side of the
vast extent. The value of the Mork is of

nnnually loaded and unoaded in the port ls estimated at from 450 to 500 millions of dollars; and in the busy season the mumber of vessers in it varies from 1.000 to 1,0100 , exchusive of about 25 t) stenmers. The number of nerivals from foreign ports amounted, in 1858 , to 8,957 , and the coasting arrivals exceed 8,000 . The total value of the imports into the United Stotes in the year ending June 30 , l8is, amounted to \(282,613,150\) dols. of which no less than \(178,476,736\) dols, were imported into New York. The total imports for 1866 nmounted to the large sum of \(306,000,000\) dols, at the rolid value, If the freight and duty be added to this, and the whole be then converted into United States paper curreney, the total will fall very little short of \(100,000,000\) dols, This amount of imports is without precedent in the history of any port. The imports comprise an infinite varicty of articles. The prineipal are cottons, woollens, linens, iron, hardware nnil cutlery, earthenware, brass, and copper manufactures, salt \&c, from Great Britain;
silk, wine, brandy de, from France and spin sugne and coffee from the llavamali and lirazil tea from China; with nplees, intligu, cochineal dye woods de. Ihe valie of the exports from the State of New York, ani mostly from this city in the veir euding June 30, 18:5, amonuted i, \(108,3 \cdot 10,9 \% 4\) dols., being one-thiryl of the to exports from the United States. In lecti, the value of the exports from New York was \(152,32+5\), dols. The exports principally cunsist of wheat and wheat flour, corn, rice aid cottun; hullion berf, pork, butter, dricil fish, and all sorts of provistons; furs, tobaceo, lard, jetroleua, coare eottons, and other manufacturel foods. immberde The grent excess of imports into Nes Yurk oy the exports is accounted for byy the fact, that while by far the larger portion of the articles export from the Western states are sulat nlown th Mississippi, to be shipped at New Grlans, greater part of the more valuable articles lirnurg from abrond, and destined for the consmmption a the satue states, is imported into New lopk.

Statement Classifying the Imports at New York from 1863 to 186,


The total value of the exports from New Fork to foreign ports (ex specie) in 1867 was \(186,790,025\) dollars.
The shipping of New York is far greater than that of any other port, London not excepted, The total tonnage belonging to the port an September 30,1838 , amounted to 400971 tons; and ou June 30, 1844, it had inereased to \(2,328,884\) tons, being about \(\frac{1}{3}\) of the entire tonnage of the United States, and incomparably the greatest amount of shipping that hasever belonged to nny single port. Subjoined are some statements respecting the navigation \&c. of New York, in some recent years:-

Return shawing the Value in Dollars of Imports and Exports from New York in American and Foreign Vessels respectively for 5 Years, to 1866 inclusive.
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Ycar} & \multicolumn{2}{|c|}{1 mporta} & \multicolumn{2}{|c|}{Exports} \\
\hline & Amerlean Vessels & \begin{tabular}{l}
Forelan \\
Vessels
\end{tabular} & American Vessels & \begin{tabular}{l}
Foreign \\
'essels
\end{tabular} \\
\hline 1867 & 69,199,101 & 113,615,659 & 79,130,179 & 120,2.85, 87.8 \\
\hline 1563 & 28,11.3,376 & 1.15,902,981 & 44,387,878 & 171, 868, 7 建 \\
\hline 1864 & 51,777,560 & 177,391, 324 & 42,4,39,016 & 247, 9999.561 \\
\hline \(1 \times 65\) & 33,2030,048 & 215,691, 888 & 53,398,524 & 1:39, 193,170 \\
\hline \(1 \times 2 \mathrm{i}\) & 55,188,9013 & \(247,469,613\) & 58,965,5\% & 130,259,401 \\
\hline
\end{tabular}
N.B.-The Customs returns do not show the value of imports and exports in the vessels of the respective foreign nations,
The imports are valued in gold dollars, the exports in currency dollars, from which should be deducted the average premium of the year on gold, in order to reduce them to their equivalent in gold dollars.
Table exhibiting the Values of Exports from New York to Foreigu Ports, exclusive of Specie, from 186.4 to 1867.
\begin{tabular}{|c|c|c|c|c|}
\hline Quarter & 1864 & 1865 & 1866 & 1867 \\
\hline First - &  & \[
\begin{gathered}
\text { dollars } \\
46,710,118
\end{gathered}
\] & \[
\begin{gathered}
\text { dollars } \\
60,972,5,31
\end{gathered}
\] & \[
\begin{aligned}
& \text { collars } \\
& 49,376,399
\end{aligned}
\] \\
\hline Second & 48,44,686 & 24,216,567 & 46,766,386 & 46, 3 , 200,261 \\
\hline 'thind & 79,519,131 & \(40,521.49 .3\) & 78,351,204 & 3x,924, 66, \\
\hline Foorth & 52,426,966 & 67,178, 1\%1 & 46,209, 135 & 52,211,922 \\
\hline Total & 221, 222,542 & 78,026,549 & 19: & 6,790,02.5 \\
\hline
\end{tabular}

In 1868 the total exports of speeie from New

York to foreign ports was \(\mathbf{7 0 , 7 9 3 , 5 9 4}\) dollars' wort 'Tliese exports are mostly at their countel or t value, but shipments of merchautlise are recto their market price in depreciated paper curfect
Comparative Statement of the Inerense of B Trade and Shipping at the lort of Sew \(\mathrm{X}_{0}^{\prime}\) for 5 Years, from 1862 to 18160 iuclusire.


In 1867, 4,676 foreign vessels, 2,053 b British, including 350 steamers, entered the of New York; and in \(1868,4,861\) arrived, of wt 2,032 were British.

The Rceeipts for Cash Dutirs at the port of York, for 1857 , were \(10,000,000\) dollars less for the previous year, owing to the change in teriff, and the great falling off in the quantit goods thrown upon the market-for, while total value of foreign gools imported in (exclusive of specie), was about \(218,000,000\) value of those that were sold was only \(185,000,000\) tollars. In 1858 , the sales exie the imports; but as these were comparatif small, the duties were about \(0,000,40 \mathrm{do}\) less than in 1857. In 1863 the Custons red were \(58,886,05.1\), and in 1867 about 114,004 dollars. In 1 sific and 1867 the customs reeeipt not inerease fin the same proportion as the imports, for the duties eollected oppliad on the goods thrown on the market, and those whieh remained in the Government house were transferred to the interior in Coastuise Arrivals and Clearances.-lnas as vessels engaged in this trate are not oblig record their entry or clearance, except they forcign goods or spirits on board, the of entries and elearances afford no test of, and a from indicating the actual amount of the But as the coasting vessels whid leare

Ityalations as to \(\operatorname{lon} h-0 \mathrm{n}\) the arri mode made at the octes implements whe are exempt fri sating them; t eng may be had bals each for a p whe cticer on boart
the tougre after it airy and permit i
ti oiv cents demar s. 3 ore of the family, tatas suzar, forcigro He duties; but
an mity is usually
we of steerage pass ? pareach 20 cents made by any perso d for payment of \(t\) a entry is made at atakea, any article
er, Liable to pay dut

Lifh bre buch more frequently forcign groods on lifin than those ly which it is entered，the buan clearances are much more numerons than aticual clearan Altegether the arrivals coastwise be end amourted to New lork is，in fact，inmense．
ins trate of New usetul publication，Messrs．Behl－ ha theit yery Co．of 80 I Lombard Street，give， ins，hethe Congressional lieport of the Specha comisioner of lievenue，the value of the ag－ coate business of New York，in the year end－ friate bise 30,1867 ，as \(3,313,(; 18,000\) dollars，ex－ ins June of sales by cattle－brokers，lutehers， casir wime sul tomins ot the Union，as follows：－ dills and towns of ditari


The agrergate business is the United States， exduire of sales of gold，stock，securities \＆c．， exduin liothe large sum of \(12,486,546,975\) dois． Imuipats．－Uf the vast numler of immigrants that mint in the United States，fully \(\begin{gathered}\text { ol land at }\end{gathered}\) der luk；and they constitute the most valuable irflar fill the imports into that city．
The folloring statement shows the number of iarigmels who arrived in different years：－
\begin{tabular}{|c|c|c|c|}
\hline T & Immikrants & Year & Immikrants \\
\hline Ms & 35，303 & 1848 & 191，909 \\
\hline L6 & 60， 514 & 1849 & \(2 \times 10,603\)
412,796 \\
\hline W & 57， & 1850 & \％\％\％， 601 \\
\hline H9 & 48，158 & 1432 & 299，504 \\
\hline ［193 & 68，97， & 18.53 & 284，9．915 \\
\hline \({ }^{1041}\) & 57，337 & 18.54 & 319，243 \\
\hline 䘖 & 14,919
46,302 & \({ }_{18,56}^{1855}\) & 111，672 \\
\hline 141 & － 610,1722 & 1837 & 145，186 \\
\hline 㲽 & 82，9611 & 1865 & 800，031 \\
\hline 118 & 115，230 & 1866 & 836，611 \\
\hline Jut & 166，110 & 1868 & 212，959 \\
\hline
\end{tabular}

Ralations as to Passengers arriving at New imi－0n the arrival of passengers，an entry mathemade at the Custom－house，of their names， detra inplements of trade or profession（all of rikderexempt from duty），and an oath taken meting them；the form of which，and the en，may be had at the office gratis．Cabin peverers make this entry themselves，and pay walseach fur a permit；on exhibiting which the ficer on board，they are allowed to remove whaygage after it has been inspected．Only farrand permit is necessary for a fumily，and it il cents demanded，whatever may be the Fien of the family：Remains of sea stores，such tha surar，foreign spirits and wines，aro liable Iar duties；but unless these are of great at quantity，they are generally allowed to stre．
Lnemery is usually made by the master of the wof of stectage passengers and their baggage； Tareach 20 cents for a permit．When entry made by any person not the owner，he gives Whr payment of the duties，if any；and if， rentry is made at thic Custom－house，and the athen，any atticle is found belonging to a pas－ ma，liable to pay duty，not spccified in the entry，
it is forfeited，and the person in whose baggage the artiele is fombl subjected in treble the value．
liesides making entry at the Custom－house，it is provided ly a law of the State，that every master of a vessel arriving from a foreign country，or from any other port of the linited States，＇shall within et hours after entering his vessel at tho Custom－house，make a report in writing，on oath to the mayor，and in case of his sickness or nbsence，to the recoriler of the said city，of the mame．age，and ocenpation of every person whin shall have been brought as passenger in such ship or vessel on her last voyage，upon pain of forfiti－ ing，tor every neglect or omission to make such repurt，the sum of 75 dollars for every alien，and the sum of 50 dollars for every other person neg－ leered to be so reported as aforesaid．＇

The stamp duty or tax on passage tickets is， not exceeding 35 tollars， 50 cents，exceeding 3 ，） and under 50 dollars， 1 dollar，and for every addi－ tional dollar or fraction of a dollar， 1 cent．

Masters of ships bringing passengers to New York must also pay a dollar on account of ench passenger to the corporation，as comnutation money，or give bond that none of them shall become chargrable on the city poor rates for the space of two years．They almost uniformly pre－ fer paying the commutation．

Lives ew Packets．－The establishment of regular lises of packets from New York to the principal foreign and domestic ports produced a new era in the commerce of the city，and has re－ dounded equally to the benefit of the enterprising individuals by whom they were projected，and the public．＇They consist chiclly of＇steam ships， and belong sometimes to the merchants of New York and sometimes to those of the ports with which she is connected．Her principal intercourse is carried on with Liverpool；but，as the render will tind ample information with respect to it in the article on Liverpool in this work（ante， Docks，Livarioon，，its repetition here would be worse than useless．New York is also conneeted by lines of packet ships with London，Southampton， Havre，Hamburg，Bremen，Marseilles，and other European ports；with Rio de Janciro and Balia in South America；and with Boston，Pbiladelphia， New Orlems，and all the principal ports of the United States．And in ardition to the reguiar traders，the ships of New York，which are mostly＇ admirably huilt and fitted ont，are to be found in every port and on every sea－wherever，in fact，it is possible for skill and enterprise to obtain a footing．In this respect，at all events，the Americans have not degenerated．They continue to mavifest，in a great degree，all the perseverance sagaety，and hardihood，in mercantile and naval matters，which have so long and so honouraily distinguished their ancestors．

The Bunks of New York（309 in 1863）were almost all organised on the security system；that is，they were obliged to deposit security in the hands of a Govermment officer，proportioned to the amount of the notes they were empowered to issuc．At tirst sight this plan appears to be well－fitted to prevent over－issue and abuse：but such is not really the case，and nowhere in the Union has the abuse of banking been carried to a greater extent or been more injurious than in this city．Some salutary regulations as to the inspection and audit of the broks of these banks have lately been introduced under \(n\) new systein．This，however，is a subject that has been fully discussed in its proper place in this work．（See Banks in the United States，art． banking．）

Sales ny Auction．－The practice of selling goods，particularly those imported from abroad，
by auction, is of long standing in New York, and is earried to a very great extent. Auctioncers are appointed lyy the Senate, on the nomination of the governor.

\section*{Abstract of the principal Provisions of the Law concerning Auctions.}

Tho duties are-
1. On wines and ardent spirits, foreign or domestic, 2 per cent.
2. On goods imported from beyond the Cape of Good Hope, and sold in packages, bales dee., us imported, 1 per cent.
3. On all other artieles, subject to duties, \(1 \frac{1}{2}\) per cent.
The following artieles are not suljeet to duties:-
1. Ships and vessels.
2. Utensils of husbandry, horses, neat cattle, hogs, and sheep.
3. Articles grown, produced, or manufactured in this state, except distilled spirits.
4. All labrics of cotton, wool, hemp, and flax, manufactured within the jurisdiction of the United States.

Goods are exempted from anction duties-
1. When they belong to the United States, or this state.
2. When sold by the authority of a court, or when scized by a public officer on account of my forfeiture or penalty, or under a diatress for rent.
3. The effects of a deceased person sold by executors or administrators, or by a person authorised by a surrogate.
4. The effects of a bankrupt or insolvent sold by his assignees. ppointed pursuar it to law, or by a general assignment for the benefit of all hif; creditors.
5. Goods damaged at sea and sold within 20 days after being landed, for the owners or insurers,
Any citizen of this state nay sell at auction (except in the city of New York) all sneh goode as are not subject to duties. But in the city of New York, or where the goods pay duties, the sale must be by an authorised auctioncer, his partner, or clerk. And any person selling contrary to the said provisions is suilty of a misdemeanor.

When a auctioneer cannot attend an auction by sickness, by duty as a firemon, liy militury orders, or necessary attendance in a court of justice, or when he is temporarily ab \({ }^{5}: n t\) from the place lor which he is appointed, he may employ a partner to attend in his behalf.
He must give bond to the people of this state, with 2 frechold sureties, conditioned in the penalty of 5,000 dollars, for the payment of the duties imposed by law and accruing on the sales. The penalty of selling without the bond is 125 dollars for each article offered for sale.
No auctioneer in any city shall at the same time have more than i house or store for holding his auctions, and shall, lefora entering on his office, designate in a writing, to be filed with the clerk of the city, such house or store, and his partner or partners. But goods sold in the packnges in which they were imported, furniture, and such bulky articles as have usually been sold in warehouses, in the streets, or on the wharfs, need not be sold in the house or store designated in such writing, if such sales be advertised at least 2 days previously, in 1 or more newspapers.

Auctioneers are to receive \(2 \frac{1}{4}\) per cent. on the amount of all sales, unless by previous agreement in writing; and for demanding and receiving an unlnwful commission, shall forfeit 250 dollars, and refund the moneys so received.

No anetioneer, on the same day nnil at the place where his public anction shall be held any other person at the same time and shall sell at private sale any goonls liabla muetion duties, under penalty of forfeiting ti
price. rice.
Eivery auctioneer shall make out in writing quarterly account dated on April 1, July Oetober 1, and Jannary 1, in the year for whie is appointed, stating ininutely-
1. The sum for which any goods shall beeli sold at every anction lichí by or for from the time of his giving bond, of from thed of his last quarterly acconut.
2. The days on which sales were so mal tho amount of eneh day's sale, durignating, sales made by himelf, or in his presence, those made in his absence, by his partuer or and the causes of his absence.
3. The amount of all priva
himself or his partner, and the sales male 4. The amount of duties che times therevif nale.
Every such account shall, within 20 days its date, be exhibited, by auctioneers tor a to the mayor or recorder; and if by an tioncer for a county, to a county juike, an verified by oath. Every partucr of an nuction and every clerk who has made any sales, also swear to his belief in the truth and just every particular of such account.
The State duties (together with the addift 25 per cent. on the whole amount of thrmin be paid within 10 days after exhibitir ccount.
Any deccit or fraud in violating any pr of the law respectin, auctioncers, is made demeanor, and subjects the offending the payment of treble damages to the injured.
Conss.--Goid engle.-This, with itssubliry
the only American gold coin. By the eggulations of the United States, the cagle, is the equivalent of 1o dollars, contained viously to July 31, 1834, 270 grains of st gold, viz. 246 grains purc, and 24 grains But, by an Act of Congress, which came int ration at the above date, the weight of the was reduced to 258 graine, of which 23 e are and 26 grains alloy. In consequeace of his ation, the soverciga that was formerly dollars 57 cents, is now worth 4 dollars 87 and is received by the Amcricans at this \(n\)

We do not know whether it was the of the American Government, in enacting the to substitute a gold in the plase of a sil rency ; but it has, eoncurreatly with the dit of the Californian gold-ticds, had that Under the former system, silver was over in the American mint as compared with and, is it eunsequently became everybe terast to pay his debts in silver rather gold, the latter was nearly banizhed from tion, precisely in the same way that th valuation of gold in the British mint bari silver coins of full weight from this cound that the over-valuation of silver in the mint banished gold. (Ante, Cons) L present American system, gold is sidid tol valued from \(1 \frac{1}{4}\) to \(1 \frac{1}{2}\) per cent., so that vidual who has to pay a debt of 1004, a employs metallic money for that pure save from \(25 s\), to 30 s . by using gold rid silver.

Value of Foreign Gold Goins in the (t Currency of the United States.-It was as an Act of Congress, passed at the same
day and at the sam ion sluall be held, no ane time and place any goonds liable ty of fortciting the
rake out in writing on April 1, July the year for which ely-
my goods shall ba held by ur for hir bond, or from thed
les were so made sale, ilevignating in bis presence, y his parther or clef cc.
rivate sales made the times thereof. chargeable on all sa

1, within 20 thays as auctioneers tor ac ; and if by an county juige, and rener of an auction made my sales, he truth and jastic count.
er with the addilic mount of them a after exhibitir;
iolating any pror oneers, is made a 20 offending part amages to the
is, with itssubdirud d coin. Wy the itates, the eagle, 1 ollars, contained, 70 grains of stal , and 24 grains ;, which came iat be weight of the of which 23? are nsequence of this was formerly orth 4 dollars 87 ericans at this rat er it was the of , in enacting thi plave of a silve ently with the dis clds, had that silver was orer compared with ailver rather banished from ne way that the itish nint banit from this count f silver in the te, Cons. in sold is sidid to cent, so that debt of 1002. for that purpo sing gold ratb

Goins in the (1) tes.-It was or at the same to
the Nerr Mint Aet, that there 'shall pass current waney, and be receivable in all payments, by from and after July 31, 1834,' viz. 1. 'Themands, nits of Great Britain, Portugal, and Mrazil, of an less than 24 carats tine, at the rato of \(93 \frac{3}{17}\) eats per penayweight; 2. The gold coins of
faven \(\frac{9}{10}\) ine, at the rate of 93 直 cents per penny wight; and 3. The gold coins of Spain, of the tancs of 20 carats \(3 \frac{7}{1}\) grains, at the rate of \%. cents per ponnyweight. On this principle tefollowing table has been calculated:-
Gad Coins of Grent Britain, Portugal, and Brazil, 22 Curats fine.

The full weight would latterly remain in circulation. cress, in 1853, issuch haft dollarse arising, ('ononly 192 grains standarl silver, beiner a contain of very near 7 per cont., ntul \(\frac{1}{3}\) and \(\frac{4}{4}\) dollirss in the same proportion. But as those coins are legal weight of the dollar itself has not bollars, mad as the there is no degradation of the standard. And provided the Trensury do not issue the new coins lation, and they will most likely remain in cireuourve as a subidiary eurseney.

Silver Coins, 1853.


Gold Coins of France, \(\frac{8}{10}\) fine.


The following tables, showing the weight and foreness of the principal gold and silver coins of metallic curreney of the United in the existing present of the highest authority. They have been computed by Mr. Suowden, the intelligent director of the Mint of the United States, and were issucd 121 eents per oz., instead of 122 taken in them at which it was tormerly estimated \(122 \frac{1}{2}\) cents per oz., at

Mowsil to 1837 standard silver in the Unite ins thea determined to make the standard of ind well as of gold 9 parts pure to 1 part ir: and this was cffected by reducing the copfitalle in the dollar \(3 \frac{1}{2}\) grains, making its exa of tie orer-valuation of gold with respe pite previously refersed to, no silver coins of ksoul of the Numes, Weight, Fineness, and Vulue in Foreign Silver Coins.


Gold Coins of Spain, 20 Carats \(3 \frac{7}{10}\) Grains fine.
\begin{tabular}{c|c|c|c|c|ccc}
\hline
\end{tabular}
N.B.-An Act of Congress, approved February 21,1857 , dircets that the pieces known as the \(\frac{1}{2}\), \(\frac{1}{8}\), and \(\frac{1}{10}\) of the Spanish pillar dollar and the Mexican dollar shall be receivable at the Treasury of tho United States at 20, 10, and 5 cents respectively; and that they ahall not be reissued, but recoined at the Mint.

It would be impossible to give any reliable or lasting information as to the ralue of foreign coins in the paper currency of the United States.

Custon-hoube Regulations.-Vessels must be reported to the collector by the mater 24 hours after arrival; must come to a full entry 48 hours after arrival, at which time the commander swears to a detailed account of his cargo, stores, and passengers, and that he has deposited all letters in the post-office, except such as are for his ahip's husband, at which time ho must also deposit the register, clearance, and cockets in the Customhotuse.

Wrarehousing.-There is no warehousing syatem, but goods are received inte the public storea, where they are allowed to remain 9 uionths at the risk and expeuse (for fees of cartage, labourage, and stownge, as fixed by the Chanber of Commeree, see post) of the owner, without any duties being deman able. Woollens are the only exception to this rule: since 1833, interest is charged upon the
amount of duty payable on their acesunt from time of their importation.
Port Charges.-For American vessels, or 4 of States having reciprocity treatics:-

\section*{}

The Commereial Treaty between the L States and Great Britain expired on March 1866, and has not yet (Jannary 1869) been rene

Custom-house fees and tuxes payable on edt vessels.
Tonnage tax.-The burdens on shipping been heavily increased by the Internal Reveeue under which the tonnage duty, since April has been increased from 10 to 30 cents per ton. tax is payable every voyage on ships of all na except on vessels from British Colonial ports


United States hospital moncy 20 cents man. Not paid by British vessels geaeralt the authoritics assert they are liable for the

Invard entry of ship stamp tas
Outward
Outward
Philade plitia.
Passengers.-Commutation or head ma dollars each steerage passenger, beiog an aid 2. Fees payable to the Surveyor.-Admea and certifying the same, of every ship or 100 tons and under, per tou, 1 cent.; adn ment of every ship or vessel abore 100 s not exceeding 200 tons, 1 dollar and 50 above 200 tons, 2 dollars; for all other set board any ship or vessel of 100 tons addu having on board goods, wares, or mery subject to duty, 3 dollars; for like en board any ship or vessel of less than tif 1 dollar and 50 cents; on all resseld not on board goods, wares, or merehandie to duty, 60 最 cents. Cerificate of re\% rexall biltsors of ming all certi6cates
 china a cininceeter Par men hat : ant motar
 moficon ous.
of Tharfage, Ifert peet tou per

month's storage ; if after 15 days, a whole mont storage.

Harbour FIFaster.-Tho otfice of harbour ma

Rutes of Norage, chargeable per month, us established by the New York Chamber of Commerce

Almondy, In frails or packages, cwt. Alum, in cuakn or hakn, per to Ashes, pot
llottle,, quart, in inath, cri, or hmp. ig.
 Suattre is firkeng of till lb, per fir. Hrandy. See ligunrs.
Thandles, in torses of iut or co th., box
Cocos, in hates, per cwt.
Coffee, in cask, ditto
Coffee, in cava, tition
Copperay, in casks, per to
Copper, in pids, dithe min hepen, or lofty, ton
braziere hottoms, ton
Cordage, per tom

dito in round bates, dhto
Wext Indian, fin propurtion to round.
We thadian, in propertion to round
Cheese, cavks, toxes, of
Duck, heavy, per bolt
Lhacens or huscia shretiog, pirce
 klech, per blel. dry, in cauts or boxes,
Figa, in frails, boxes, or drums, cut
Flas, per tomt
Flas, per tas
Flas-secti, ur other bryartives, in therecs of 7 bushels per tierce
Earthennare in crates of 2', tosit fee
Grain, in buk, per bushel -
(inger, in kags, prewt.
ghass, window, in howes of to fet :
Gin. Sce Liphors.
Tomp, per ton
Hidec,
driest or salted. per hid
llardware, in casks of thenlic fret
Indigo, in serons or hosee, per
lron, in hars, or troltis, yer tons, in hoops, sheets, or nalrods, ton
Lard, in firkwns of 60 ib, -
t.ead, ple or sheet, per ton
t, eather, jer shide
Liquors, in puocheons of 120 gallons, per puncheon
in \(\ddagger\) rask
in pupes or casks, 120 gallons
Molasses, prr hhat of itiog gations (other casks in proportion)
Nails, in caske, per cwt.
Oil, to hhd. or rask, 100 gallons
in eheost of 31 thlaks, per chast:
bothet, in boses or baskets, dor.
Palms, in caiks or keps, per ton
Port, per bt'?
preer. Sie fiquors.
popyer, in bass, per cwt. -
Rice, in itiercess, per tierie-
Rags, in willes, per cwt.
Ralains, Malaga, tn cask
ditto ith hoxe
hum, Siee otiler packages, per cwt.
Saltpetre, in hags, per cw .
Satt, in hags, or hulk, per inushel
sait, in hage, or halk, per lous
Soap, in thoxes of 50 to 60 tb .
Steel, ha bass ur bundles. per
Sugar, raw, in hags or liose
ditto, in casks, ditto
refined, in caskvor parkages
Tallow, in casks or terons, cwt.
rea, bohea, th whole
arton or black, in a chests
in hoxes, In propartion to \(\frac{1}{4}\) chest
Tin, hiork, per torn in box of tivalize, per hox
Tolacen, in hhelso, per hhid.
Tobacco, in banufactured in tere prit.
Tobacco, manufictured in kegs of 100 l .
Wonls, for fiveing, under cover, per ton
Whiting, in hlidiso, per ton
On articles on which the rate is fixed by weight, it is muderstool to be on the gross weight; and on lifulurs, oil \&e. on which the rate refers to gallons, it is understood to be on the whole capacity of the casks, whether full or not. The proprietor of goods to be at the expense of putting them in store, stowing away, and thrning out of store. All goods taken on storage, to be subject to 1 month's storage; if taken out within 15 days after the expirntion of the Inonth, to pay \(\frac{1}{2}\) a
was ereatel in 1808 , by legislative enaetm with power t regulate and station all ressela the harbour, ir at the wharlis, in areommot vessels wishu: - to lischarge their carbues, and decide promphy all disputes comnentel wh foregoing subjects. liesisting his authurity jeets to as tine of in) dollares and (onsw, for beletit of the New York hospitah

Fees.- There is a fie payable to the i master of from 3 to 21 dwhlar, necording torthe of vessels. For aljusting any ditference resp situation, 2 dollars

Pilotage,-l'slots must remister the ir names, mad places of abole, in hiw oflio are obliged so put to sea wherarever ond him. The penalty for refusinge sw is dallary loss of license.
lilot boats are numbered und anematel square burger with white eentre aud blue b the number being in the centre.

> Werdews of the lourt.

Vessels and groods arroving in a damumed and required to he solid Ist auction for the of untarwriters wit of the mity if Sew be thder the insprection of the wardens, be required to certify the sause of the and nmetut of sale and chaves.
 and for each survey on bourd wh any wesel, store, sor abomg the doek, or wharf. is if damuget powds: ench surver on luald, rigging , be., "\% dols. ; eark certitiente. I centa; ditin of distress of said versen, ", cents; sanne services fir vessels paying duties and tomacge, double.

Qeantity of Gomde ro compose,
Deterwined by the New York Chamber merce.
1.568 Lb . of coffee in easks, 1,830 ditto \(1,120 \mathrm{lb}\), cocoa in casks. 1.307 ditto in bag 952 lbs. of pinento in earks, \(1.110^{\circ}\) bags.

8 barrels of flour of \(19 \% \mathrm{lh}\). eaeh.
6 barrels of beet, pork, tallow, piethed fid tar, and turpentine.
40) ewt. of pig and bar iron, putawhes logwood, tustic, Nicarngua woud, whd dye woodd. rice, honey, copper are, and heavy foots.
\(16^{\circ}\) cwt. of cotfee, cocos, and dried bulk, and 12 cwt. of obried colfish in cask size.

6 cwt. ship bread in easks, 7 cw , in bare cwt, in bulk.

200 galloos (wine measure), reckoning contentes of the casks, of oil, wine, brand kint of liquors.

22 burhels of grain, peas, or beans, in
36 bushels of ditto in bulk.
36 bushels of European salt.
31 bushels of salt from the We:t Jucios
29 bushelg of sea-coal.
10 feet (eubie measure) of mathorany timber, onk phank, pine, and other loant furs, peltry; bees-wax, cotton, woth groods of atl kinds.
1 hogshead of tobaceo, and 10 cht

\section*{hides.}

8 ewt. of China raw silk, 10 crt , 14 and 8 cwt. green tea,
or 15 days, a whole innot
lo office of barbour mas by legislative cmantma and slation all yessels 3 wharis, to arcommod barge thicir cargues, ond putes comperted rith esisting his anthority lollars and hospitul. playaide to the onn ollar-, necording turbe \(g\) any difference resp
tst registep their abode, in bis othicu sea whentruser urdere renisumge in is dallars rered and ituremated te centre mul blue bo erentre.
of the Port. "jving in a thanaved bgr auctionl fire the he mity of New Yun of the wardens. chame cance
chate \(n\) gresw murunt of loard of any vessed, ok, or wharfs, 3 do survey onl halls, each certitimate. 1 of said vessell, \(\because\), 10
\(b / e\).

\section*{s to compose ،} er
tasks, \(1,8.50\) ditto 1.307 ditto in bars in casks, 1.110 16 lb. each. tallow, piathed fish
ar iron, putashees fur wood, and soa, and dried d codfish in cavi ssks, 7 cwt , in bag asure), reckoning oil, winc, brandr
as,
julk. julk. the Weet lac e) of mathymary and other bearis cotton, wow,
ilk, 10 cut. ne

NEW YORK
futi of Pilotage, as established by an Act of Lagislature of the State of New York, 0.17 Mrurch 17, 1865.


> det of Congress, \(J_{\text {uly }} 14,186^{2}\).
> -29

lawfil for the collector, if he therein, it shall the eollector and naval oflicer, if sull see fit, or for enmsinury shall sce fit, with the consenter there such invoi, to estimate the said tare acent of the wheh invoise; but in all other tare accorling to shall be allowed, and all other cases the real tare such reaulations as the Scementary ortained under shall frome time to time preseribe; but Treasury shall thme be any allowance for draft. 110 case

The follo fork the Port New Iork. Regulations in the nature of , Quarantine, and passed May 13, 18.16:Sc. 1. The
quarantine shall be near gromnd for vessels a Staten Island, and be desion Marine IIospital, on anehored under the directionated by buovs, to be and every vessel subject to of the health oflicer ; mediately on her arrival, anchorantine shall, imthere remain, with all persons arrivin them, and posed by low. examinations and regulations imer, sed by law.
York shall be sus arriving at the port of New 1. All vessels fow, bilious-malignant, or other phace where yel or whi fever existed at the time pestilential or inceeded then shat have arrivel at any their departure, ceeded thence to New York, at ayy phace, nud pro, during the vogare any ork, or on board of which have occurred, arriving case of such fever shath duy of Muy aud the fing between the thirty-hirst nain at guarauthe first day of Or tober, shall re arrival quarantue for at leas ing laber, shall reharrical, and til least 20 , lays after theys atter their hawe beel diswharged, nud shall perforgo shat finther quarantine nis the henlul jerform such preseribas. divishon ressels ambraced in lly firerein
sens the lirst thay of pil
31.3
and the tirat day of November, exclusive of tho time in said sndulivision mentioned; all vessels from a foreigen port, on board of which during the vovage, of while at the port of domarture, tus bersoin shall have beensick, or firmon any pace in tho ordinary passace from which they jass month of Cape Ifrulupen, arriving between the thity-jirst day of Say mat the sixt enthday of Oetober; and all veseds from any phace (inchuling inlamis) in Asia, Afriea, or the Nediterramean, or from may of the West Jindia, Bahama, lermula, or Wentorn Islands, or from nay jlace in Amerien, in the ordimary passure from which they parss south of Cemerial, arrivine betwern the tirst day of \(\lambda\) pril and the flrat day of November, whall be subject (0) suld ginarandine and other regulations the the health otherer shall prescribe.
Sice. A. It shall the the duty of the heallh oficer to boarl cury ressel nalyget to gharamtine or vishation hy him immediatily om her arrival; to -nquire as to the health of all persons on bural, fund the condition of the vessel and cargo, ly insuection of the bill of henlth, manifest, log book or otherwise: to "xamine on wath an many and such persons on borad of vessels suspeeted of eom ing from a sichly port, or having had sickness on hanal durime the voyage, ans he may julae expedient, and to report the fiets and hits conchasions (o) the mayor and commissimers of health in vilitg

See, d. The inealth ofliece shall have power-
1. 'Tos remove from the quarantine anchorage fromal any vessed he may think masafe, to any phace south of the quaratine buess, and iuside of Siamly llowk.
2. I'o canse any vessed under quatrantine, when he shall julse it necessary for the juritication of the vessel or luer eargn, to dischargr, her cargo at tho quarantine gromuls, or shme ofther suitable place ont of the eity.
3. 'to canse any such vessel, her eargo, bedding, and the clothing of persons on board, to los venfilated, cleansed, and parified in such manaer and durime such time as he shall direct: and if he shall judge it necessary to prevent infertion or condagion, to destroy any portion of such emrgo, beddingr, or clothing which he may deem incijable of purification.
d. 'lo prohibit and prevent all persons arriving in vessels subjert to quarantine, from leaving utamatine matil 1 dase after the sabing of their vessed from the port of her departure, and lis days aller the last ease of pestilential or infectious tiver that shall have oceured on board, and 10 days ifter her arrival at quarantine, unless soone discharged by him.
j. 'To permit the cargo of any vessel under gnatantine, or any portion thereof, whenever he shall judge the same free trom infection and contidion, to loe convered to the city of New Xork, or such place as may be designated by the mayor and commissioners of health, aftor baving reported in writime to the mayor and commissioners of healtile of said city the condition of said eargo, and his intention to grant such permissim; such permission, however, to be inoperative without the writen approval of the mayor and commissioners of heateh.
sece. 5. The health oflieer, the board of health, or the maver and commiswioners of health mas, it in their opinion it will not be damgerous to the phblic health, permit the cargo of any vessel muter quarantine, or imy part therof, to be shipped for exportation by sea, or transporation up the North or liast rivers; but if the vessel receiving the same shall approach nearer than three hundred yards tu the wharls of this eity, such eargo may
bo seized and sohl by the eommissioners of hagith for the use of the Marine Ilownital.
Sce. 6. Every vensel duritis her quarantit sliall be designated by coloure to be tixeol in conspicuous part of her main sherouls.
Siec, 7. Nu vessel or boat whall pars birmugh the range of vessels lying at cquarantine, or hatid a the guarantine gromod after shaset, withat th pormission of the health bifier.
see. 8 . So lighters shall be employent to or moloul vessels at quarautine withonf permissi of the health ofticer, and sulject to sueh resith tions as he rhall impone.
ser. 9. All pasacmgers under quarantine shall be mable to manatan themsolves, sha: provided for by the master of the vessed in whis they whall have arrived a and if th. master : ount to provide for them, they whall be mainain ont shore at the expense of such ressil, and sh vessel shand not be permittel to leave the quat tine until sueh expense shall have been rypuit.
Sice. 10. The health oftieer, mpunthe applic fion of the master of any vesod muder quaratia may condine in any suitable plate on shore, persm on board of such vessul clarat having committed an olline punishable laws of this State, or the United Sintes, imil cannot he secured on board nuch veasel, and consinement may continue during the quaranti of senel person, or until he shall be procere agatinst in the course of law, ann the exp therenf shall be elharged amb collectel, as in Inst preceding saction.
Ster. 11. All vessels and persons remaining guarantine on the first day of the obere shall ha uffer he sindject to such quatantine and reotret as veseds and persons arriving on and affer day.
See. 1\%. The beard of health, or the lmatio commissinmers of health, whenever in thair ment the pulilic health shall require it, may any vessel at the wharfs of the city, of in vicinity, to the quarantian ground, or ather of mafety, and may require all persins, artide things introluerd into the eity from and y to be seized, returned on board, or remowed to quarantine fromml. In case the mates. or comsignee of the vessed cannot lof fotion shall retuse or neglect to doy the the removal, the board of health, or the mang commissionsers of lewalth, shall have fint cause such removal at the expense of - जudal mas owner, or consi, mee; and such vessel or shall not return to the city without the w jermission of the board of heg'th at the and commissioncre of health.
See. 13. If any vessel arriving at the qua tine gromd, sulyject to quarantine, slall beb to some port east of the city of Ness linth, health olliecr, after having duly vivitel examined her, may permit her to pas on voyuge through the souml ; but no such a shaill be brought to anchor off the civs shall any of the erew or passengers lantim hold any communication with, tie city, if person therejrom.
sece 14. No veasel, foumd on eaminato the health ollieer to be infected with the fever. or to have been so interted ater? from her port of departure, shall be promth approach within 300 vards of the ciry of York, between the first day of May and lirst day of October in the same yas. Bot health ollicer, with the permission in the of bealth of the cities of Now lint and bin lyn, may permit. any vessel arrivinat the of New York it proceed to some ahar do

\section*{anshaners of health} ital. If hoe quaranting w, to lo tixel int aroults.
shatl pasa through carautine, or land at musct, withant thas r.
e employnd tul lat e withunt permins. yect to sudh temtio
der quarantione wi themselves, shail It the ressen in whic ul it the master shal y whall be maintaine such rossch, and sud It to leave the phitu 1 have beell rymil? eer, upon the :"plicic sescl muler quaramina - platio on shate, an vesul charede nee punishable bet United States, and w d such resach, and sy durimg the quarantio he shall he firece liw, and the expell and ebllected, an in
d perans remaining \(y\) of Oetober. shall be burantine and remtety
halih, of the lusite whenever in theiry hall requite it, may Is of the city, if in he fromud, or cilher e all persuns, artides the eity from suth board, or remased ease the master, onl eannot he forind to aby the une calth, or the mayn? 1, shall have finit e expense uf nucla ma II such resed or Cily without the oith.
arriving at the qus arnutine, shall beb city of Sew list, ving daly risited uit her to pase un and ; but mo such chor ofl the ciry or passemets lan 1 with, the elly, of
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so infected ater re, shall be prof arus of of Nas and day same year, Bat permission "f the New Yothin and acel arriving whe cel artivin who
gated br the bard of health of either of the Stite of Sew York or Ifrooklyn, nud diseharge is ando; provided satisfiactory proof be given to bedth oflece that the port or jestes from arm sessel sailed was fire from contasura infections divense at the time of her pion therefom, and that mo sickness of n conand of infections type had existed on hoard weaph during lier ensiro voyare.
we. 15 . The naster of every ressel released - gutantine, and arriving at the cils of New [ak shall, withan 2.1 hours after such arrival, hrive the preait of the health olleer at the Whe of the mayor ant eommissioners of licalth, the puch pertion as they shatl direct, but suelh d aut aporanch within 300 yards of the of New lork, without the written persivin if the mayor and commissioners of
wathe th, Every veswel haviner land during the sum a ase of smatl-pox, or infections or vation disease, anll every vessel from a benim purt havinig passengers, and not lorewhote dechated subject to guarantine, shall, on W: minal at the quatantine fround, be subject arivation ly the bealth ollicers, bit slanll not ledenat hegond the time reguisite lur alue eamination, miless she shalt have had on board tand the royafe wome caso of sinall-pox, on didetuld ar contarions discase, in which case de thall be subjeet to such quarmutine as the wath there shall preseribe; and it shall be the doty of the licalth ollicer, whenever he thinks it in netaraf for the preservation of the public besth, fo (aase the prersons on board of any mestabe raccinated.
se \(\mathrm{li}^{*}\). Xulhing in this Aet contained shall went any vessed arriving at the quarantine twamangoing to sea before lreaking loulk.
* 4 Is. The rommissioners of health shall at jatu the Marine llospital any passenger that have paid hospital moneses, duriner anv oporyy sickaess, within one year nfter such hished by a fince not exceeding 2,000 dostars, or milon mayor of the ciry of New fork, by imprisomment not exceedinit la monthe, or by twiden physicha, and the commissioncrs of both such line and imprismment.

 asaserlained at the different l'eriods whon a Consus weas tahen,
\begin{tabular}{|c|c|c|c|c|c|}
\hline tus & Aristes, the firowih, Doduce, or Manufice cure of the United states & irtic les, the firnw th. D'rodure, or Manulactare of Foreign C:onntribs re exporited & Total Vahne of Fixports from the Uniled Stales & Twal Valae of tmpurts Guto the tinifed states from V'oreign Countries & \begin{tabular}{l}
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\hline lis & 70,317,6194 & 19, 424.73.3 & 911, \(140,13.3\) & 143,191, 121 & \\
\hline 12, &  & 23,312,411 & \(119,30,6,413\) & 1256,541,7\% & \\
\hline INi & 101,189, 10 Mz & 20, 5401,1919 & \(121,693,577\)
\(124,6 i 6.5016\) & \(110.8105,712\) & \\
\hline Skis &  & \(41,716,3,4)\)
21,4,4,96\% &  & \(189,900,158\) & \\
\hline M, & \(0.96033,92\) & 12,158,798 & 105, ix6, & 113,717, 1101 & \\
\hline 193 & 103,33, ,491 & 17,191,52: & 121, 124,116 &  & \\
\hline 1410 & 113, 995,631 & 18,1940,312 & 132,09.2,916 & 117, 11,319 & 17,n6,2,560 \\
\hline 191 & 1 \(66,384.722\) & 15,1939,0x1 & 121, M51, 103 & 1179946,177 & \\
\hline 4 & 94,369,946 & 11,721,538 &  & 100, 162,057 & \\
\hline 141 & 97,715,379 & 11,481,867 & 111,2(4),045 & [109, 13, \(5,03.3\) & \\
\hline 345 & 99, 999976 & 3, \(1,316,830\) & \(111,616.6,516\) & 117,4.31,564 & \\
\hline  & 104.119093 & 11,316,723 & 113,14.4,516 & 121,691,797 & \\
\hline 149 & 154,63, 1561 & 2,011,154 & \({ }_{1}^{154,618,692}\) &  & \\
\hline 149 & 1, \(18,5666,95.1\) & 13, 11344.865 & 14,75.5, \({ }^{20}\) & 117,4:3,4,39 & \\
\hline 100 & 1,6, \(4,46,912\) & 14,9:4,808 & 1,51, 994.720 & 1:4,158, 314 & 2.5,263,000 \\
\hline |31 & 196,589,714 & 21,694,493 & 218,384, 111 & 216, 264.372 & \\
\hline isj & \%13, 117 , 697 &  & 209,608,76, & 212, 46 & \\
\hline 145 &  & 21,8:x), 194 & 2iN, elling & 310154381 & \\
\hline iss & 216,764,353 & 2 \(2 \times 148,29.3\) & \(275,156,416\) & \%61, \(168,5 \times 2\) & \\
\hline \% & 310,586,330 & 16,374,374 & 326,9f4, 5108 & 314,6,39,942 & \\
\hline 104 & \% \(293,9454,065\) & \(43,978,617\)
\(30,866,1+2\) & \%62, 3 90, \(6 \times 2\) & \(35610.890,11\) & \\
\hline  & 3, \(3,4,41,38.1\) & 20,49\%,17\% & \(36,7 \times 9,226\) & 3. 8.765130 & \\
\hline 1901 & 313,189,4\%4 & 26,953,92\% & 401, 122,296 & 562, 63,901 & 31,443,790 \\
\hline 1465 & 212,9* & 21,14, 4627 & 410086848 & 3, \(310,775,4.35\) & \\
\hline 1653 & \(310,080,211\) & 2 \(2,959,218\) & S.31, 2109.459 & \(254,1 \times 7 \times 2 \times 7\) & \\
\hline 104 & \(340,435,199\)
\(\mathbf{3 0 6 , 3 1 5}, 758\) & 210,456,910 & 310,292, 139 & 3243168.495 & \\
\hline 1946 & \(3.30,641,477\) & 30,390, \({ }^{14,714,17}\) &  &  & \\
\hline
\end{tabular}
health of said city, hiall constitute a board of apleal from any direction or regulation of the health otllere, with priwer to grant such and sis much relief as may appar to the bomed thus constituted, or a majority of them, "x:w chient and proper ; the decision of the boaril of heath, however, to be paramennit.
Shec. 19. Exery allpeal from a decixion of the health ,thlerer shimb be made lyy serving mun him a written notire of such appent, within \(1: 2\) hours after surd derixion (Sumbias exceptell). nond the healih willeer sluall make a return in writing, inchucting the fiets on which the decision is fimulderd, within 12 hanrs after the reecipt of such motise (Sumbays exceptect), to the mays, who shall innmeliately eall a merting of the board of allowa, mul slall be president of said bomed, and said appeat shall be heard and decided within 2.4 henres therenfter (Smadays excepted), and the exccution of the decision ampeated from shall he saspomed mutil the delermination of the almeal.
See, so, livery manter of a versel miliget to fuarmane or visitation, arriving in the port of Now York, who, shall reflise or negheet either-
I. To proeed with and nuchor his weesel at the phace assigned for quarnatine, at the time of his arrival:
2. To submit his vessel, cargo, and passenger to the examination of the henfth ollicer. mid to furnish all necessary information to enable that allieer to determine to what length of aturantine and other regulations they ought respectively to be sulpeet ; mir:
a. 'Th remuin with his vessel at quarantine during the periond assigned for her quarautine ; and white at guarantime, to comply with the directions and repulations preseribed by haw, and with such as any of the ollicers of heath, lay virtue of the authericy fiven to them ly lask, slan! preseribe in relation to his vessel, his eargo, himself; or his erew :
shall be guilty of a misdemeamor, and be pun-
cund of the IVhue of the Exports and Imports of the Unitrel States for the following Iorars, cuction.

Sec. 21, Every master of a vessel hailed by a pilot, who alsall either-
1. Uive talse infurmation to atel pilot relntive to the condition of his vessel, crew, passengeres, or eargi, or the henlth of the place or places whenee the eance, or refuse to give such luformation as shall be hawfally required;
2, Or land any persinf from his venom, or permit my person exerpt a pilot to come on board his vessel, or malnde or trmenip, any portion of his eargo, before his vesisel shatl have beeth visited and examhed by the health ollieer;
3. Or shall mpronch with his vessel nearer the eity of New Fork than the phece of quarantine to which he shall be thrected:
Nhatl be guilty of the like offenee, and be suthjeet to the like punishment. Aml every person who shatl land from any whel vessel, or unlade or trauship any portion of her eargo, under like circunstances, shall he guilty of the like offence, and be subjeet to the like putishment.

She. 22. livery persoa who shall violate any provision of this \(\Lambda\) et, or neglect or refuse to comply with the directions and regulations which any of the otheers of health may prescribe, shall bo guity of the like olfence, and be sulject, for cach otlenes, to the like punishment.

Sce. 23. Fivery person who slall oppose or ohstruct the liealith iffleer in perlorming the duties reguired of him, shall be grilty of the like otlinere, and be punished by time notexceding 500 dollars, or ly imprisomment not exceeling 3 months, or by both such the and imprisonment.

Sec. 2.f, Every person who, without anthority of the health oilheer, commissioners of health, or board of henlth, shall so within the enclosure of the quarimtino gromm, shall be gutty of the like offence, mal be punished by tine not exceding 100 blollars, or by imprisomment not exceeding 30 days, or by botlo such tine and imprisomment.

Sce. 25. Fivery person who shall fo on board of, or lave any commanication, interemars, or dealing with any vessel at, pharantine, without the permission of the health otheer, shall be guity of the like ollinee, aud be subject to the liko matishment. And such offender shall be detained at quarantine so long as the health otlicer shall direct, not exceeding 20 days, unlas he shall be taken sick of some pestilential or infections disease.
Sec. 26. Eisery person who shall violate the provisions of the thla article of title zud of chapter 14th of part 1st of the hevised Statutes, by refusing or neslecting to whey or comply with any order, prohibition, or regrilation mate by the board of health, in the exercise of the juwers therein conferred, shatl be failty of a misdemennor, punishable by tine and imprivonment, at the diseretion of the court by which the offender shall be tried.
Sce. 27. Articles 1st. 3rd, 4th, and Gth, of itle 2nd of chapter 1 thh of part lat of the lievised Statutes : ma Aet enitled, 'An Aet to amend tite end, chapter 14th, part 1st, of the lievised Statutes, relatiug to the Quarantine Regulations of the Port of New York.' passed May 2, 183 Bt ; an Act entitlen, 'An Aet relitive to the Qumantine Lamw, passed May 7, 1839 ; an Act entitled, 'An Act to amead the Revised statutes relating to the l'ublic IIealth,' passed April 12, 1842, and all other laws inconsistent with this det, are hereby repealed.
We have derived these statements from the Neu: York Annual Register; The Picture of New York; IIunt's Commercial Magazine ; the latest Consular Reports and official accounts; and valuable private communications.
The following is an acconat of the registered, enrolled and liceased tonnage of the United States frem 1818:-


Account showing the V'alue of the J.xpmerts Home I'roducts from the Unitel Stutes to of the Inports into the same from, the warias Countrics undermentioned, in the fear rir Јине 30, 1866.

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\hline 1 \({ }_{1}\) & 1,141,7.6 \\
\hline 939, 114 & 1, ¢\% \% , \% \\
\hline TU1, \({ }^{\prime \prime}\) & y, \(10.10{ }^{1 / 4}\) \\
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\hline  & \(\therefore 2,212{ }^{\text {an }}\) \\
\hline 176, \({ }^{\text {FiS }}\) & 1 1 fidine \\
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\hline
\end{tabular}

Paffy up tim: Unithb Starea,-Notwith anding the unprecedented progress of the United suo in wealth and population, their foreign whe nas nearly statiomary for the 10 years end if nith 1830 . Anil yet, considering the spirit of amercial muterprise by which the pepiphe, parmady in the New limgland sitates and New lork, mamatel, und hele skill in mavigation, it might tre been farly presumed that the growth of berfingh frade woule, at least, have kept pace mid the develumant of the intermal resonreces of Lo ounter: 'That it did not tho so, is wholly sizt the pelicy of Covermment. Not satistied vib the estraundmary advances which their comghomats had made in mumbers and wonlth, Conpon wems to hawe believed that their rareer mide be acellerated by momes of chastom-hamse nustinn-by giving an artilkcial lireetion in pation of the publice eapital anel industery, and mancit into chamels into which it would not amme flow.
Do who has the slightest acpuaintance with deadition of Amertea-who kuews that she spasesull of boumdless tracta of fertile ann mpornisted land-lhat her population is nomatively thin, and wuges high-can dombt fa a mant that arricalture mast, fire a loug wim of yeits, be the most profitable sprecies of andoment in which her citizens cant ongage.
Dane can be no yuestion, inderd, that such trabes of nanufacture as are naturally alapited wher pealiar situation will gradually grow un ond dund in America, without may artiticial enournement, aceording as her population becound teme and as the advantage which now eails at the sille of atriculture becomes less
datilel thit the imposition of moderate dutios to fing articles for the sake of revenue would maing give these branches all the protection to widd bey an jastly entilled, or more. Hit to trex 4 mems of duties and prohibitions, imwhen fir the sake of revenuc, but of protesChat to fematere a prowth of manafinctures, is gitid of the comatry into busine inchastry and nulbe leust prombutive.
Buh bowerir, was for a lempthened period Whatiy of the American Lepistature, The ex-
 orimbs intuence in Con in Europse, and wuirel Thith as mach contidence as if their sountsaether had been bur conld be questioned, co \(188^{\prime \prime}\) down to \(1 \times 16\), the oljece of the Errian Legislature n...4, tor the most part, to res ip a manufich uring interest, by impusing Prise duties on most manufactured articles The from abroad. Now, it is obvions, even facre of this plau been in America through the Figperseded, that mothing would have beene Cod by it for, to whatever extent the inmoran of forciga articles might be diminished, the exportation of a correspomeling diminution me exportation of native American produets; of the only reseritt would have been the raising teother spectecies of intustry at the expense of din. Bat the 'Amender to ans equality of proNuas, losteal of the groods manufuetured the states being as cheitp as similar omes safactared in Europe, they wero admitted to at an arerafe, from 30 io 50 or 60 per cent. tes. The extent of the pecuniary sacritice thus sed on the Union by the taritf nodilied in - has: been ranously estimated by American es; and we have been assured by those

YORK
Who have the best mean of knowing, that it may le laken ay amounting to firm \(n(0,64 m, 000\) to 60, 000,000 dollare, or from ahout \(11,100(100001\), to \(13,(1)(0,(0101\), a-year. Siml this hmanconse burden whebrrden more than twieg ha kreat an the whole puble expenditure of the linited states of puthe utility, and was pred for no purpose but mischief. 'The whole peffect of of nothing was to divert a certain amount of the neheme capital firom the production of cotion, wheat, rice tolateoded the equivalents seant foliorelgners lin manent of mamefactured goodvo to the direct production of there foods themselvem. And ass tho latter specios of imlustry is less suitahle for America, a tas of 13, 1 yen,000). a-year was imposed on tho Union, that tho manafarturers might be chabled to continne a loshig hoshess. We lease it to others to determine whether the absurdity of the system, or its costliness, was its more prominent fature. That its intlumee was but more injurlons is sulely owing to the smangflime it eceasioned. With a frontier like that of America, it would be worse than absurel to suppose that an oppressive tarill could be carrica into lall elfiet. lhat it had enough of hatuence to render it hifghly prejudicial-to ocea-ion at great rise in the price of many important ardicles-to cripple the trade and mavigation of the eomery-and to throw a considerable purt of it into the hamds of amusghers, who carricd it on in detiance of the law.
It is ditlicult, however, to say how long the nystem of imposing high duties on most forejgn prodacts might have been matubaned withont It was as a check, bit for? buthe the vellects. States; and thomgh it would be ditlicult to arn that they derived any benetit from it, it is, shon events, pretty eertain that it was most injurious to the Southem States. Their staple products are cot ton, tobaceo, and rice, of which by fin the largest portion is exported to forritan comeries; and the planters rucedily found that every rastriction on impertation trom abrablo oceasioneal a correponding dilliulty of exportation. ''lis led strances aroninst onterests anh to strongr remonThese, however, were dispriqurded. !'rovoked at this tratment, South Carolima took the decisive step of refinsing to enforce the customs ates; and threatened, if eoereion were attemptel, to repel fioree by force, and to recode from llee Cnion. This was a death-blow to the high duties of the old tarith. Congress then silw, what all semsible mon hat seen lomp beforn, that it was necessary to reeded that, in fact, either the tarifl mast to mosiatim, or the intergity of the Union be hrought Compromardy A law, commonly called the on July 1.t 18:32, which providen that passend reductions should be prorressively made on the then existing duties on most ileseriptions of foreign goods, at ecrtain specified perionds between \(1 \times 33\) and 18 Im , when they were, in most instanecs, to be relued to 20 per ent. ad valurem.
This Aet was a'lowed to take eflied for a few vears; but as the reduction specified in it began to come into prictical opreration, the manubacturess, also, began to set up resh clams for additional protection. l'robitbly, to carry, the poter might not have been able hensive that if ther made any resolute stand acrainst the proposal to increase the duties, and sill more il they threatened to secede from the Union in the event of its being carried, they might be brought into serious diffenlties by the


\title{
IMAGE EVALUATION TEST TARGET (MT-3)
}


Photographic Sciences


Corporation
\(1\)
agitation of the question as to tho emaneipation of their slaves. The latter, therefore, having to choose between two evils, peforred, of coures, that which they believel to be the lesser; and purclansed a truce for the emancipation question by agreeing to the Tariff Act passed in 18.12, by which comparatively high duties were again imposed on most descriptions of imported artieles.

I'his system, however, was not so permanent as was expected. The Western and Gouthern States, being those most ilipectly interested in a low tiriff, laal for somo years before the civil war a majority in Congress; and the epprehensions with regarel to nerro emaneipation. excited hy the procectings in our islande, having subsided, sotuder opinions, with regard to commercial matters, began again to prevail in Congress: Perhaps, however, the majority now referred to, or the party of \(\mathrm{M}_{1}\), l'olk, might not have endeavoured to ate on these principles without the example set by Englant; but the great commercial reforms effected in this country daring the administration of Sir Robert leel, and more especially the last and ficatest of all, the change in the corn laws, hal a powerful influence in the Unitel States; aud Mr. Polk's Government having profited by these and other rircumstances, which it is needless to specify, suceceded in carrying a comparatively liberal tariff, which took effect from December 1, 18:16.

Abridged Unitel States Tariff, or Rates of Duties imposed by the Act of Conqress of March 2, 1xh ** with Addenda of Augnsí 5,1861 , December 24, 1861, July 14, 18is2, March 3, 1sin3, June 3", 1xi Warch 3, 1865, March 14, 1866, Muy 16, 1866, July 28, 1866, anul March 2, 1867, with relut clauses.

Absymth, \(50^{\circ}\) and nnder, 2 d. soc. per par. bsynt , ander mion mitngh, rand casting over of or wornwworl, 50 pere cent.
Accorilons, 30 pev cint.
Accid, carnmic, 155 per cent.
cetate of lead, or xugar of tead, 20 c . per Jb . potase, zise. per lli.
ron, strontian, zitic, magnesia, sola, soc. per ib:
Acid. acetic, acentous or concentrated vinegar, or proniignenoss evceening the sprecific grapity of 10 Ho, sice. per the
Acill, benzoic, 10 per cent.
Actarace, se. per the
cirric, white or vellow, \(10 *\), per lb .
gallic
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tannic, 2 dole pert ib.
tartaric, in crystans. or nnwider, 2 ec. per th. sulphuric, or ail pf vitriol. Ic. pur ith
Acids used in the fine arts, not otherwioe providel for, lice. per lil.

prepared. anil other andertion root, raw or
not provifled for, 3 c . per 16 .
sdhesive plaister, saive, 4) per cent.
Adxes, 45 yer cen:
Agates, 10 per cent

Alabata, in sheets, 35 per cent.
Albumen, prepared \(\geqslant\) hite of in egk, 25 p.c.
Ale, in bothes, 3.5 e , per gal.
otherwise than in toittes, 21 le , per gal.
Aluminum, \(\exists\) eruile metal, 20 per cent.
Almonis, Co . per lh .
shelled, toc. per it.
\(A\) loes, 6 ce. per lb.
flum, patent, and salustitute, 6 alc. per 100 lb .
Alumina, wnlyhate of, filc. . Ner 11
Thuminous cake, fine. per ith: 10 per cent.
Amber, toxm, 20 per madider
Amber, knm,
teall,
50
A mylit alcohol, 2 dol. per \(g\) al.
\(A\) methyst, to per cent.
Ammonia, sultphate of, carlunnate of, or re-
fined, 20 per cent.
actetate, or purpiogneate of, 70 ce per It .
salks, and miariate of
Anchovies, po thilor sat, 50 per
A nimalk, all alive, wo per cent.
Innatio, easract or seed, 20 per cent.
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Anlse seed, iil nf; sime. per lib
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nime of sil pur resolu, of, 10 per cent.
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capaery of 6 , and nut exceedins the Eniarity of 16 oz, each, not cut, 35 p.e.
\(\mathrm{A}_{1 \text { phanatut, }}^{\text {cunt, phito }}\)
ther cent.
A philosopinicel, not specially imported, 10 p.c. pute hatter, 55 per
Aqua foris, 10 per cent.
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dol. per gil., 50 per cent.
rgentine, or flowers of antimony, 20 p.e.
Argmtine, or flowers of antimno.
\(A\) rims, fire or side,
\(A\) row root, 0 per cent
Arsenic, ard sulphate of, 20 per cent.
Articles not in a cructe state, tseld in dyeing or
tanning, not other wive proviled for, 20 p,
ject to any other rate of dity, 20 pur cent. Article., raw or manamafactured, not pro vided tor, 10 per cent.
ral suhtance, 2.5 p.e. Assafgetida, zo per cent.
Asses'skin or parchment, and imitation of, 30
A ver roont.
Aurirs. 4 s. per cent.
Awls, lis per cent.
A ses, 4.5 per cent.
Ayr-stones, 10 per cent.
Racon, 2 c , per lb .
Maps, krass or hemp, 30 per cent.
ganny. (Sice Cotion lapuinn
Rilzes, Phc, per sq. yd. and \(35^{\circ}\) per cent
tsalls, hilliard, 3.5 jer cent
Balmorals, composed wholly ir in part of other like animals, valae not ever 40 cts per lo., ytle, per lb, and 3 .5 per cent. vilue over 40 cth. and not ovir 60 cts . pe th., 30 c . per 1 l . and 35 per cunt.
value over file., snd not over 80 c , value over filc., and not over 80 c . per lts,
40c. per th. and 35 per cent. 35 per cent.
wholly or in pert of wool, 50 per lib. and 3.5 yer cent.
similar kestrin and skirtings, and goods of simitar description, or ased fur like purposes the hair of ti:e Alpaca goat, or other llike animals, made up or mannfactured wholly of in part by the tanlor, was nnficturer, except knit goods, 50 c . per ib Balm of tilead, 10 per cent.

Halsam, coparra, 2nc, per lin.
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Peruyina, sitr, per ib.
per cent.
ntl kinds of cosmetic, 59 per rent. 3imbloos, unmanufictured), 10 jut ient. Bark of cork trees, 1
llat eruvian, 211 per cent.
tlat eararaya (Perus
cinal, 20 per cent
cinal. 20 per cent.
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and acid constined,
Bans (the Inner bark of a free), top
Massoons, 30 pur cent.
Bisketa, woot or osier, palm iets
erass, or whatebone, 35 per cent.
Battledores, is per cint.

ditto, of Which spirits 193 compon
of chief value, to pas duty \(A\),
Bay water, or rum, disidited fromitir
Id, Sole. yer gal.
May wax, or myrtle waz, 20 per cent, Basmes: 45 per cens.
Bdenlium, crade or refin
Heads, of precious stones or gold and
 lians for seed, 30 per cent.
tonqua, 20 per cent.
vanilla, 3 dol. per lb.
vanilla, 3 dol, per lo,
Beain knires, 45 per cementioned, \(10 p\)
Heams, scale, 30 per cemt
Bed fuathers, 30 per cen
screws, 2hc. per Ih.
Indes, as carpeling: (Sce Mats.)
Beef, ic. per ib.
Heer, in bottles,
Heer, in bottles, 3 sic. per gal.
othicrwise thin in netlows pipen, 3 in butte, we, per rla Hell cranks, or levers.
 Henzine, or benzole oil, refined, the: pe Liemzoates, 30 pe; cent.
heds, feathrr, 20 per cent
Heds, feather, 20 per cent.
waste ends of printed caliuen werid pether, 35 per cent.
Beell metal, menufactured, ispen
herlin blue, 25 per cent.
13 rries, not \(\mathbf{D}\) 'herwise pro
He oars stones, 111 per cent
hicartsonate of soda, or salertas, ik.
lick irons, 35 per cent.
Hindil.g, cotton, \(\$\) p per cent.

NEW YORK

1 18:7, when it h it was carried nosition of hirl Mareh \(2,181 i 1\), of the Civil War. eople have man lifierent th thei: may be assumal, ing to at sothind
cm which puabich if to huy in the high duties, they nil oll no merke reigners, the lis neti. sed below, a tho lags that have itell States. nerchandise of th om phaces this sile ies imposed on any inclirectly from thi
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Exisp, , yll, for per cent

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Bum compmet whoily or in part of onud.the har of the dypra wast. or

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anta, wi, ix. per m. yent.


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sext Lathom, chip, or grass, straw, or



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han wi, inna, it per ree i.

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Bractiat is par cent.

Lidiman of to pay same as penuine.
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has, wat, cmade, fitui. per ton.

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ke, phas, cut or not cut, Sis pre cent.
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Lion witn, "3 per rent.
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4genor a apput, if of, zice, per IL.
Es, red. 11 per rent.


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nac, \(3 x\). per lb.

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Na, alamamithe or searine, Jc. pur th.
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Cards, playing, ralue 2 'ic, or less per prik,
 vistink, 3.5 per crat
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Carinime, dry, 25 joser cent.
n liquid dye, ever per cent.
carpeting, dulu,


wrought fyy the farylumy nur hine, \(70 c\),
pres sp. yu. and 35 per cent. ail val,
 chine, ite, per cy. yd. and 63 p.e. no val. The warp ur otherwise, Uc, per sl. yd. and mipestry Hirusacls, printed on the warp or
 rent. nd val.
treble
trelle inprain, three-ply, and wornted chain
c. per ay. od- and 35 per cent.
yann, Venctinn, and two ply ingrain, 12 c .
per sy. vd, and 35 phe, nd val.
wool, liax, or soteon or piarts of tither, on other materala, not otherwise provided
mats, all pher mot exelisivety of vestatite
material), screeos, hawocks and rugs; 45
per cent. nl v.at.
Carriages of nill descriptions, and pirts there.
of, 35 per cent. onf, 3.5 per cent.
ciarvers, 35 per cent.
Casks, empty, 3S per sent.
Cassacla, or meal of, ely per rent.
Casta, Chinese, Catcuttia, and Sumatri, 20c.
ver th.
tintula, 210 per cemt.
Castanas, ar castinai (a nut), 2ce, per IL. atechu, as clitch, if per cont.
Catsup, il1 prer cent.
Caulking nidlets, es par cent.
Chalk, Fryorh, wh per cent.
white. ol. perton.
all not otherwhe provided for, 2 ; per cent. Cheinical prepar.itions and salts, not otherwise enumeratel, e2t per celt. Chlichary root, fer. per
ground hurnt or pry
pronnil, hurnt or preppirest, ic per th.
huna wire, plain white, 45 per certit
hina, onatnented in any manner, 50 p
thina, root, zo per cent.
Thinese blue, 25 ?er cent. 100 th.
Chloroform (medic., 1 dol, per th.
('hocollate, \(7 c\). per ll,
Chromet, yeltow, 2) per cent.
Chrome, yellow, 2) per cent.
acid, li yuer cent.
Chronomeiers, and plarts of box or shis, 10 p.e. Aider, 20 yer cent.
Cinnamon, 50 c . per ib .
Cimnamon, sicc. per th.
Cttram, in its natural state, 10 per cent.
Citron, in its natural state, 10 per
Citron, preserved, 35 jer cent.
oil of, pheserer cent.
Cuet, oil of, \(3(1\) per cent.
Clay, ground or preparred, 5 dol. per ton. cilft stone, liddat. per ton.
Cloeks, and parts of, 35 per cent.
Clothing, reedy-made, ned weariog apparel
piart of wool, worsted, hair of the
boat, or other like aninals, made up or
inanufactured wholly or in part by the tailor
 Clothins, a! aricles worn hy men, women, or childten, not otherwise provided for, 35 p.c. Clove stems, IIc. jer Ib.
Clum of coal, 2 glur rent.
Coal, huminous, 28 hil, to the ton, 80 IL . per bhl., ld. e'c. per ton.
Coal, all other. qike. per ton.
Colalt, and oanc of, 20 per cent.
ores, 111 per cent,
Coceulh s. adicus, ioc. per lu.
Corks, 35 , ver cent
Cocoa 3 . zer 1 b .
corne, leaves, tc. per lis.
prepared or manufactired, oc. per th.
mating, 2:s per cent.
shells, ec. per lt.
Cocoamuts, 23 yer cent.
Coir, unmanufactured, 15 dol. per ton. Coke, 25 per cent.
Colcodium, nod ther of nil kinda, not other wise provided for, tluid, 1 dol. per it. Colocynth, llc. per lb.
Colcgne water and other perfumery, of which
olechoi is the prinelpa! Ingredient, 3 col per gal. and so per cent.
Columbtor root, 20 per cent
Coloquintlata, 10 c . per Jl ,
Coloquinthta, 10 c . per lls.
Colouring far torandy, if containing spirits, ns
spirits.
Colburing sor hrandy,
Con 0 per cent
Colours, water, 35 per cent.
Combis, curry, or for the hair, of whatcver

Compraition tabie tops, 38 per rent.



Conlectionery, ail mot otherwise provided for. of sugar, valuet over 306 . per thic, or not
sold thy the th. 50 per cent. copper, in phates or sherets, called brazsers. romper, anil other in shicets, not othernive provided tor, 3 , per cent.
 phates, ellgravel, 2 ; per cent,
manufactures of, not otherwise specified, 3) per cent.

Copper wire and vequls, 3 , pur cent
 opper rock, bottoms, hoits, apikes und nails,
(opper, pus, ingots and hars, 2 'c. pur It.
eldi, tit orly to fe remanufaiturel, 1 fe . \(\mathrm{p} \cdot \mathrm{IL}\).
copper ore, 5 per cont. Copper ore, 5 per cent.
Coppras, fo per lh.
Coral, cut or manufactured, 50 per cent.
Cordige, tarrel, "ic. per it.
uotarred, 3.3 fc . wir
uptarred, \(3 . \mathrm{se}\), pir
Manilla, mitarret, 2 ec, per lt.
al uther, 3he. per lis.
corks. and mannfatures of, will per cems.
Cornelian stme, 10 per ce-t.
finge, 20 jer cent.
Yorn, indian, or maize, 10e. yer bht.
Corn meal, ju per cent.

forkets, 35 jer cent.
Cosineties, 30 per cent.
'iutton, easy enhiroldery, or foas, 10 per cent.
cotton. \(3 c\). per it. Cotton, 3c. per ib.
hraids, cord, gimps and galionons, braces,
 tickings, kinghans, platis, rottonades, pantaloon stutr and koods of like description, prin:edt, and not ezceeding 110 threads to the square Inch, counting the warp and filling, and asceeding in weight five ounce:s Corton, as ahove, if hlyathed, she, per sq, yit.
t'otton, as alove, if coloured, stained, painted t'otton, as alove, if coloured, stained, painted
or printed, \(s f\) ceots per sq. yd. and lip p.c. Cotton, finer or lithtecr, unblicached, not over z(h) threads to the sq. in., counting the warp Condem, as alove, herached, 51 c . per kq . yd. Coltinn, as above, co printed, sfe. per sq. yd, and 2ll per cent.
Cotton, unlifeached, over 210 thrends to the sq. in. counting the waxp and filling, sc. fotton, as above, if blearhed, 5 s. ner sq. vol. Cottom, as nilove, if coloured, stained, paintet, or printed, sfe. per sq. ydi, and 20 p per cent. cintens, jeass, ishims, arimilnas, bed-tickinks, gingliams, pinids, cottonales, pantalem,
stutis and goods of like deverijtion, or firs similar use, nm oyer 100 thruads to the sy. ith., counting the warp ard filling, and ex-
ceediny five nt. to the sq. yd., tf unbleachect, fic. per sq. yd.

 to the sq. in., cominting the warp and tilling, If unhleacleed, Gc, per m. yd.

 Cuttons, is aloore, ovir tow thr cads to the en.
in., countling the warp and billing, undleach. ed, ic. per mq. yd. Cottons, as above, If blcached, 7 le . per sq. vil.
Cottons, as alove, if coloured, staineth, painiex or printed, 7h., per sq. yd. and 15 p.c. Cottons, provitied that adt plain woven
cotton poods, not included in the firegoing schedules, over tic. per sq. yd., unbleachert, shall pay 3.5 per cent.
Cottons, as above, tiflikached, bad ralued over Cottons, as above, it
2lic. per 89 . yd., 35 per cent.
Cold ralued over Cottons, or coston sians, denimh, nnd 1 . 1 ings , per cent. Cottons, on Ell other cotton gools, valued over 2.5c. per sq. yd., 35 per ceot.
Cotton shirts or drawers, woven,

Cotton shirts or drawers, woven, or made on
frames, 35 per cent.
Cotton spool, containing each not over 100 Jd4., 6e. per dant. and 50 peer cent.
Conton spool, over lut yds., in addition for Conton spool, over lith ydx., in addition for
every 110 yds. or fractional part thereof, 6 c . lier doz, and. 35 per ent.
Cotton thread or yarn, when advanced beyond single yarn, by twisting two or noore strindis together, if not on apooks, \(4 c\). per skein or
hank of 810 yds. and 30 per cent. Cotton thread, other, 40 per cent. velvet, 35 per cent.
bupring, or other
bapering, or other manufarturea, not other. Wuse provided for, suitable for the uses to
wnich cotton haguing is applited, com josed in whinle or In part of hemp, jute, flase, wunny lags, kungy cloth, or other yd., is. per it .

Cotton, as above, valued over 10c. per aq. sd. 4c. persq. yu.
Cotton caps,
stockings, made on frumes, mitts, socked or coloured, 3.5 per cent
Cotron hooe, unbleached, 35 per cent.
bobbinet, cooured, and stocrings, 35 p.c.
Court-plainer, 3.5 per cent.
Cowade or cowitech, 20 per cen
Crayons, 31 per ceit.

Juwter (nohishing), th per cent.
sind, 2.; per cent.
:ndbear, 11 pen cent.
Cutte fish bone farp
(sepra), se. per lb.
Cutlery, of all kinis, txeppt pochet, pen and jeck-knives, \(\%\) per cent
Daguerreotpe plates, 35 percent
Dates, greell, ripe, ot urictl, ze. phis ith. prestrvelinsugar or molases, s, per cent.
Dettrition,, th pr cent.
Diannomb,

glaziurs', 111 per cent.
Dol n of every tescription
Dotninge, 3 p per cent.
if toys. tif per cent.
Down, all kiluts. jo per cent
brawing pencils, álice. jeer gross, and 30 p.e. Drawing4, ely per cent.
rawing kilivis, ti per cent.
poved whorly or \(i n\) part of wioldren, com.
hoad of the . Ilpaca poat, or other hike and mals, value not over \(2 . \mathrm{Jc}\). per sq. yd., tic per sq. yd. and 3.5 pur cent.
value over 20 c . per mq . yd., se. per aq. yd
rovided, that all pooks weighing 40
over per sq. yl. shall pay bolc, per lb. and
35 per cent.
ried pulp, 20 per cent.
Drugets.all, eher per iq. yd. and 35 p.e.
Druas, medicinal or deeing, not othervis
Uru4s, medieinal or dieing, not otherwis Duck sail, of cotton, 50 per cent.
ravens, of hemp, 30 per cont.
of thax, so per ceat.
Dulce (seaweed), 5 lol., per ton and 10 p.c.
Dutch pink, 25 per cent.
Earth, in oll, 1d. SHe, per 100 Ib.,
brown, red, hlue, yellow, tiry, as ochre 5 fle
per ith) lb .
Earihepware forown or commonl, 25 p.e.
all other. stonc or erockery ware, to p.e.
tony, manufautures of, \(\overline{3}\) per cent
Embroideties, nil in gold or silver, fine o
half tine, or other metal, and others, except wool, 3 , per cent.
s, ll per cent

eloth, cotton, 35 per cent.
chamelled white, 34 e, per 16
Eng.avers' copper, prepared or pollshed, is jer cent;
tugravers' scrapers and burnishers, 4.5 p.c. paulets, plated, silt, mi. in., corton, ot pold antl silver, 3is per cont.
Fircut, zllc, per lb.
wititcheons, silver, 40 per cent.
Essence of ilmonds, id. inde. per lh.
anpe, or drapic, 50 per cent.
lurgamot, 1 dol. per 1 b .
cajepat, 2siq, per 11
cloves, siol per lli.
caraway, soc. per it.

cusnac, t dolo. per ves.
cubebs, 1 dol, pur lb
valerian, ld. sule. jer lb

muscale, or nutine \(a^{2}\), 5 ) per zent.
mustard sitad, 1 dol. pre gal.
oranhes, 50 , per lb.
orig. mum, or thyme, red, 25 c . per lb
oris.mum, or thyme, red
fonemary, 0 per cent.
roee, stre, per oz
rue, sabine, spruce, tyre, gloper or pepper * thyme, white, 3oc. pru ith
Essences, extracts, toilet waters, cosmetica
hair oil,, pomades, hair restorntives, hair
dressiog., hafir dyes, tooth washey, dentrl
fices, tooth partes, aromatle cachous, or
nime or names known, used, or applied as
pertiumesor applications to the hair, mouth,
or kin, 50 per cent.
or skin, 50 per cent.
Ethers, preparationa or extract-, fluid, all
not pruvider for, I dol. per If.

E
Extract of belladonna, cicute 1, rhubrarb, colorynth, mus, Gempin, nux romica, and byoscyof Camperchy worl, indlgo, logwood, and maditer, 111 pur cent.
Extraeth atill decoction of dye-woods, not extherwine provided for, 10 per cent.

Fuhe collars, 35 pur cent.
Fins, palm leaf, Ic, vach
Feathers ofinctich ent.
istrich, eock, or other, prmanental, mbumfectured, st per remt. Felt rowting, eve per cent.
Vibdes, 312 per cen
Fidh, 30
pur rent.
Filies, hone, ivory, or wood, 30 per cent.
Wish, ,reen, rlpe, or dridd in. , jer ll.
priserved in sifgar or moldsses, 33 p.e.
Filkerts, 3 c. per lli.
Filles tanit file l.linkss, all not over 10 h .
File and the per lith and sil per cent.
Fike and tile blanks, over litin, long, fe. per
bb. and 30 per cent.
Filtering stones, 20) per
Finishant: puwared, 10 , purs cent.
Finishatp puwlers (polishing), 25 per cent.
Firearms, other than muskets and rifes, 35
Fire crankers, per bax of 41 packs, 80 to each park land ith sime proportung for greatir Fish, mackirel, \(\%\) dol. per brl
heiring, pickled or saltelt, 1 dol. per brt.
satlmont, fiol. per lirl
all other, pirkliext, lisi.
all other, parkiext, ld. foe. per lirl
vilhed for, Ace. nur ith not otherwise pro-
Fish, all, in oil, thel otherwise provided fur,
Flan per cent.
wursiad, the hair of the or in part of
or other tike aipa

 314. per lb, and तूs per cent.
value over fitce and not over soc. per lh.,
 30 per ceot.
composed wholly or in part ot wool, 50 c . per
It. and Hinnd and mer cent.
Fasks, entirely of horn, 35 per cent.
Flax, manafartures of, or of which flax is a
tomponent part of chief value; value not over 5 Itc. per sq. y.l., 33 per cent.
rlax, manufactures
Fax, manufactures uf, or of whith flax is a
cumponent part of chief valne \(;\) va'ue over File. per sq. yt. or not otherwise provided Flar, \(10 \%\) per cent.
Flax, thread, packed thread, twine, 40 p.c. tow of 5 fiol. per tom.
 Fleams, 35 per cent
Vlies, Suanish, or
Flints, stone or or cantharides, 3 ? c . per lb .

Floss silk, and other similar silks, purifie Flowers, ariticial, 50 pee cemt
all medicinal, \(211^{2}\) pro cent.
Foll not otherwise provided for, 10 per cent. Fossils, (1) per cent.
Frimers, or sticks for umbrellas or parasols Finiviad or mot, 3.5 per cent.
Frankiort black, 25 per ceat.
French green, \(31 /\) per cent.

Fruits, 25 per cent
Fruits presrved in brandy or sugar, or Fruts, preserved in the
Frats, prien, ripe, or dried, not otherwise Eurovided for, l! prerent.
Fullers, hoards, \(3 \dot{3}\) per cent
earth, 3 dol. per ton.
Fulminates, or fulminating powders, 30 p.c. Furniture, houvelhold, 'j per cent.
Furs, nudressed, all kinde of on
Furs, undressed, all kinds of, on the skin,
Fur, Ireced, all on the skin, 20 per cent. Fur muifs or tippets, or other manufactares,
not specifice, 35 per cent. Furs, haturs', not on the skin, 20 per \(\mathbf{c e n t}\). Fusil oil, or ahaylic alcohol, 2 dol. per gal.
G.ttengal, or gallengal root, 20 per cent. Giarancene (extract of mader) liciore. (i) rinets, a preclous stone, 10 per cent. imitation of, a composition, 40 per cent. Garters, elastic, made of wire, covered with India-rubler, with clasp15, 35 per cent.
Gelatinc, 35 yer cent.
Gens,
set, 25 per cent
Gentian, or gentian root, 20 per cent.
Giernan silver, mannfactured, 40 per cent.
Gilt bases, 85 per cent.
capitals, 35 pler cent.
chains, pinc, ringisor, studs, 35 per cent.
if mock jewellery, 25 per cent.

Gilt ear rings, 25 per cem. paper, 3.) uer cent wart, sitver or puli, to per am,
ware, of wher meat, whre, 3.5 , per ceot.
watth channs or watchens
Wath keys and watchseas, 3; pre prit
760 , 3i. We we. per
undiry th1 in strength, and contin
all linitation pal., sit per cent.
Gin cases, with lxitle, in thiman 35 per cent. and the lothies, th pres at
preservect and prekled, 50 prsien



filass, of antimerer cent.
Gis per cont.
Glaw warss, of cat ghase, +1 fer tent.



 Gla+s jur;, lilled with preterse, tior dilan, not thlled. 35 per cent.
not focluding rollet, or rough plat not lociuding crown, cylind, , Lrad
common windia slas, not our over. ic per pr. fi.
te. persq. ft.
over 16 by 21
if. and not aver 21 by it
above 24 liy, fit in, 2c. per st.f.

at thies sume rates herem imposed.
afl cast polinhel phate


over pursin. ft .
per sid
above 21
2ace per sq, ft.
above 24 in
all cast moin., foc, per cof
looking plass plates, not aret pion

over \(16 \mathrm{hy} \mathrm{\%} \%, \mathrm{~b}\)

3ac. py sq. ft. not arer?



on simitar bluss of like descriptam
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rament, hut shal pay m.
311 per cent. firs the frames.
Glane, bumr, i, 3 per cent.
(ilass, paintinist on, not otherw
tol per cent.
plater, or diilks, unwrongt
instruments, jo per cent

ment, ill whres of cent.
cut, all wrres of, noter cent?
all artiles, of, not specifin?
moulded, 35 per cent
mondded, 35 per cent.

cut, ornaments for chaiders.es,
tunullers. articles, phain dutd noulded,
puer vent.
watch, or watch crystals, \(10 / \mathrm{P}\) erent.
coloured, engravel,

all precticles, wamblactures of or spectacios,
all mannfactures off, of of wh
conner yent material, not ot
vile

all , utticles not spectind, comentrd weighel, 10 per cent.
Glohes, \(\overline{2}\) p pretint
love, ankors, wove an framts,
men's leather, so mir
women's leather halvi, or
demi leogh, fin per cent.
hair, 3 , per cemh
Goat, skinc, ruw, 10 per cent.
angora, raw, 3 per ceat.
angora, \(\mathrm{r} i \mathrm{w}, 3\), per ceat.
tanned, si par cent.
Gold, all articles compoed whdy of in of, not otherwher spectivd, il
(;otid heaters' moulds or skind, if ioht beater' moulds or skin,
Gold embroidtries, 35 per \(c\) mit or silver lace, even if mo fin or silver lace, eren
leaf, ld. Sthe: per package
oxide of and muriate of oxide of, and
20 per cent.
ornaments mad
\(\underset{\text { very }}{\text { ornamen }}\) made by sureanded
strips, or other foms pus furer mat.
size, 20 pre cent.
shell. for pinting
shell, for pinting, 35 per cont.
or gilt braculets and studs, 3 per cen
Golo shoes or clogs, waul, 35 per cent.

\section*{NEW YORK}
lioslery, won, 30 . per 16 , and 35
IIoumehold furniture, 35 per cent.
India-rubler in bottles, or shects, or otherwise unmanufactured, \(i 11\) per ceat.
nillit-rutiver, milk of, 20 per cent
wit cloth or other manofactured articles, rubluy, not otherwise provited for, Indizerubliter and silk, ur silk and other mate rial combinet, except wool, stl per cent. Indian , neal, 10 wr rent.
Indian retd, 45 pir r een'.
Indigo, earmined, 20 per cent.
Tnk, amil luk purwider, per pert.

silts of, 15 jucr cent.
resubilimed, 7 fic. per 1 b .
Iprear, ipeciacuantha, thep per 1 b .
ancils, nuehors, and pats of, and nxles,
haul, looup and scroll, from t to 6 in . witle,
 as above, from \(f\) to 6 in . while, under in, thick, and not under Nio. 20 wire gauge er. |her ith 1ace yer ll,
bars, rolled or hammerel, comprising llats not less thin 1 or more than 6 in. widr, Ic. yer lis. round, not lesa than \(\frac{3}{}\) or more than 2 inches in diameter, lc. per 1 ls. squares le, per th. compriving filats, less rolied or hammered. comprinng flats, less
than 3 or more than 2 in . thit, wr lews than A or more than 2 in. thit, ir whs ound, less than \({ }^{3}\) or more that 2 inchis in diameter, l.jc. per lb .
square, less than square, less than or more than 2 inches forms, leat finshisel than bars and more anlvanced than pig iron, cxept castings, to pay as iron in tars.
ande abe to pily a tess rate of hars, for railrouds, or inclimed planes, made to paticm, ready to lay down, Tlic.per low itb. than pares or oth r 3 in moths, cast, bolts, wrought, letel-serews, 22 c . per
rade, cut, not over 16 os. per \(1,0 \mathrm{ma}\) 2ke. juer not,
cables, or chains, or parts of, 2 c . per Ib.
castinks, all not enumarrited, 30 per cent.
hanins, trace, halrer, fence of wire, or rots,
not less than in in tiameter t , per th,
chains, is aloove, lexs than \(\frac{1}{2}\). dhaneter, and not under No. 9 wirespuly, we per llo: hains, as abov", vonder No. 9 wire bavge, oatel with rine or any metal by electric liatteries, 2le. per th.
hats, wronsht, per. per lh.
gas tubes, wrought, ile. per lt
gilv.mivel. 2ce. perlh
hatters', lic. pur li.

cast, le. per ith. 2sc. per 1 lb .
hamniers, llaeksmith, \(2 \frac{1}{2} \mathrm{c}\). perth.
nalleathe, canting, not otherwise provided for, vise. puer 1 th .
malleahile, 2 2c. pur
mill wrought, and erank wrought, we per manufactures of all kinds not otherwise enumurated, ons pir cent.
nath, rut, lise. per th.
wroardit, (buarl), 2 he. per lb.

nuts, wrought, "uc, per lly.
old scrap, tht onty to be re-manufactured, \(s\) fike ye ber tul. per
fivert, wrought, \(22_{2} \mathrm{c}\). put th
ravitroad chaint, wrotght, ve, per 11 .
batc, stoved, storeceplates, and steam pipes, slit rails, not otherwise provided for, 1 le.
sperik. cut, jic. per th
wrought, ice. per 1 b.
steam tuhec, wrought, 5le. per lb. sprigs, cut, not over 16 oz. per 1,000 ,
Life. per 1,010 . surize, pert, over 16 oz , pur \(1,000 \mathrm{5c}\). per Ib. spriiks, cut, over 6 oz. pre 1, 3. .ier th. conmon or black, not thimper than No
20 wire pango, 1 c. per 1 l . 20 wire pang., 14. per it.
common or hank, less than 20 not less
 common or hack, less than No. \(2^{5}\) wir

mer lh.
wood, less than 2 in. In length, 11 c . per tb . except, woox, 55 per cent
tai'ors' irons, 1,e. per 1 lt .
tacks, eut, not over if oz. per 1,010
ifc. perl, (100).

Iron tanks, cut, over in or. per \(1,015,3 \mathrm{se}, \mathrm{p}\). It.
vessels enst, net otherwise provided for, le. lier 1 h .
 dhameter, hor less than No. ifi wire


 \({ }^{\text {sprat }} 1.5\) perniture cent. covered wath cotion, \(n^{\prime} k\), or other inaterial, to lay se. pret th, in fadd tion.

wushers, wrought, eredy ponehet, 2 c, pur 1 l ,
whitherf, wrought, reaty punched,
wrought, for sur
for lexiomotive tire, parts of
for lecomotive tire, parts of, ic. pur lh.
for steant engine niul jarts of, tach 25 for steain enkine nim parts
pounds or more, 2 c , per llis.
Iron, all rolled or, ha, perner hed, not otherwise
providud fir, 1 c. per le,

cutting knives, for cutting hay or straw, 3 ,
per cent.
fivrules, phano, sts pre cent
homiph, made fit for wse, 35 per cent.
lifnor, 10 per cent.
maik, 35 per cent.
manufactures of. partly finished, pay the
sane rate of duty as if entircly find 35 per cent.
srythes, past steel, 45 per cent.
shot, 30 pir cent.
per cent.
squares, marked on one side, je. per it and 30 per cent.
squares, per lth uther, fic. per 30
synuare wire bsed for the manufap.c
stretcher, for umbellas, matil ent in piece not exceeding the length used theretor, 35 taspers', 30 per cent.
sumpers,
wire, mot, per centaled fer th.
wire, anusaled, to pay duty the same as
olher iron wife. other iron wire.
mandictores of, not otherwise prorided for, 3 , per cent.
Isinglizs, 31 pur cent.
Inne peas, th per cent.
sile peas,
plat per cent.
taster, for per cent.
Stle, or tannuleo fihre, Ic. per lb.
talian cloths, re.t or Imptation, composel
wholly or in part of wool, Wholly or in part of wool, worsed, the unimals, vatue not over cuic. per square yard, fic. per sq . yil. anti 25 per cent. value over 2"te. per square yard, 8c. pe frovideti, thit all conds w
over pit spuare yard, shall pay soc. per It. anith is ber rent.
Isory, unmmufut tured, 10 per cent
chasiment, tice, itranathe, ches., and bagn telle balls, so per cent.
manuficturid, not provided for, 35 p.c.
black 25 per cent. mount.xl), pritractors
srales, anul sectors, is per cent.
muts, 11 per cent.
vegetable, manof.
Jamks, a pari of pianofortes, 3 a per cent.
Satks, clothicrs', \(\overline{3}\), per cent.
Japunned wares, of all kints, not provided
cellies, and all other similar preparations, 511
Jut per cent.
beef, Jc. per 1b.
Jet, real, componition, and stones, s.i p.c. \(^{\circ}\)
Jet beat, st per cent.
Jewellery, fille so conledi, wi per cent.
Jostle or jos light, zo per cent.
\(\checkmark\) uniper berries, 10 ver cent.
sute, manyfacture.
Jote, manufacturet, or of which jute is a
component matiorial of elhief valur, value 5up. per m . yd. or less, 3 j jur y ent.
If value over Jute, butts, fidol. per ton.
not aherwise provided
unmanufactured, 1 s dol. per ton.
carpeting, se. per sq. sd.
Kaleidoscopes, 40 per cent.
Kaoline, \(s\) dol. per ton.
Kinu's yellow, 25 per cent.
Knit goosd, complosed wholly or in part of
worstell, the hair of the other like animals, with uo woul binel, vatas not over flec. per lb., vele. per 1 b , and 55 per cent.
 4 the ter then
value over 80 c . per 1 b ., 50 c . per tb . and 55 composed wholly or in part of wool, 50c. per Ih. and 53 per cent.
Knitimgs needles, 25 per cent.
straw), curriers', drawink, and flesh, 45 p.c.

Kniwna, pen, jark, and pocket, \(: 0\) per cent.
Kreowte, 40 jer cent.

amplinct, ep per remt.
anturn leaves or hurn plates, 10 per cent.
tutia, oxule of cime, Icce per lis.
lard, 2ceper the
l.anting, lie for buitons exchusively, to p.e. l.ath, ent per crut.

dower, 218 per cent
oll of, water, sit per cens.
Lad, all manotactures. of, not otherwise

Hark, Ild dol. plry tont.
jowder of bark, 'i pre cent.
moles, \%e, prym.
ole, Git only to te remanufactured, \(\mathrm{I}_{2} \mathrm{c}\). lies
mukar of. 21 ce , per th.
red, dey or grobud ha nil, nitrate of, red, ice.
in wherts, vese. pur lb.
oy, bub per cent.
whitw, dry or cround in oil, \(3 c\). per th. piperis 23e. pur 1h.
In any other form not specificl, 35 per cent.
I, raf ltuteh metal, 10 ver cent.
Leather bacelets, elaster, and garters, elastic,
33 per cent. mitt, 50 per sen
and ail manutuctures threof, or of which
It \(i s\) the material of chicf value, not otherwise specthed, \(\bar{y}\) j per cent.
hats of, 40 per reat.
hatties, bracea or suspenders, and sole, as per cest.
tupper (tan ned calf \(3 k i n s\) ). 50 per cent.
upluer not otherwis)
ppler not otherwise specified, y' 1 ver eent.
Leavea not uned in dseng, not otherwise jrovidet for, 20 per cent.
cetehes, yu per cent.
Leqlocris hats, bratid, erowns or brims, and plaits, 30 preme.
in tioxes, harrels, or cask \(<25\) per cent.
Lemon juice and peet, 10 prer cent.
L.egpard stins, raw, iof yur cent lib
dressed, 911 pier cent.
Lime,
borate of ser sent. ner th
borate of, se per th.
chiluride of, fic. per 100 lb.
chlurite of, hec.
white, 3 e wer lh.
mes, 20 per rent.
Limes, 20 per rent.
lime jalce,
NO
pr rent.
per cent.
inlues, fishlay: of twine, 40 per paration), 20 p.e.
complete, 90 per cent.
linen threat, twine, and park thread, 40 p.e. quecitied, st per cent.
Linen bags, 40 per cent.
canvas, blark, wosen, or made in form or patterns, of such size a or buitons only, 10 jere cent
mitt \(s\), wove on frames, \(z \tau\) jer cent.
tape, th per cent
padding cot, hearhed, hurlaps, eanvas, hinckalheks, handkerchich, ducks, dinper, Me. or under prer sq. yd., 3; per cent. 40 pare cent.
Lincens, brown holland 4 , blay, coatings, trills and damasis, value zuc. or under jer m.
linens, as above,
Sis per cent.
Lhen, oll manufactures of, or of which flax chlef valup valued at oupronent materialo not otherwlas provided for, 40 per cemt.
Litseed, 16 c . per lohl.
cakes or meal, 20 per cent.
Lint, linen, 40 pur cent.
cotion, 55 per cent.
Litueura or eordails, all sweet, 2d. 50c. per
fiquor, Iron, purple, red, tin. 20 per cent.
iquor, cases, 33 per rent.
bottlen, if eut, 40 per emt.

root, 24. per lu.
itharge., 3e. per th
litharge, 3 se . per th. 20 per ceat.
Athontriptons, 35 per cen
loadstones, 20 per cent.
forvood, extracts of, 10 per ement.
louking-glass frames, if pit on metal, 35 p.c.
or if inetal, 35 per eent.
I.unar caustic, 40 per cent.

Macaronl, \(\mathbf{5 5}\) per cent.

 Magne ta, caleince, \(1 \% \mathrm{c}\). per lt.
 Malt, 201 per cent.
langrise, lo jur cert.
Mlangrovps, or sleells of, 20 per rent.
Manna (med. num), eve. per lh.
cruks, sur per cent.
manuficures of bladiden, 30 per cent.
Manuffacturey of blailers, 30 yer crint.
c.ttox andimen, nut yer crim.

Mandactures of cotors and silk.
 pur cent.
Mondactur
Minufactures not atherwi.e pirnvided for,
rompones of mised materials in
componed of mised materials, in pais oif
whine proviteed for, wi, per cent.
 jur cent.
Manufactures of jute, or tixal grass, not other Wase providet lor, 3 ) per cents.

tirns of sucha size and form, or cut in
such manner as tolluy lit for shoes, boots
and bootees, exclosirely, and not eon).
to the material of whith complosed.
fit fur buttons only, 10 per cent.
Manufactures of wool, worstel, Dinlair, or of
Whith wook, worsted or motair is a, com-
 fir lassels or ornamente, wrought hy hand Irese trimmoluss, fily ges, gatloons, pimp head nets, and webbugs, foc. per \$b. and Sh per tent.
Manufactures of wool, embridered in tam-
boured boured, nct otherwise
jur 1 Ir, and 35 pur cent. Manufactures of conhed wool or worsted pmbrepideres
provided for, 55
per cent.
Mlaps and charts, w per cent.
Marble, manufactures off, \(5^{\prime}\) ) per cont.
Marbles, for children's pay (haked), 50 p.e
Marble fable top, se pe cent.
IIarble, white siatoary, brocatella, slenna
Slarble, white slatoary, hrocatella, slenna
and antique, in slat or think, rough or

Marble, all other, in slals or bloci, reugh or
square,
Marmalade, a sueatineat, 35 per eent.
Marrow, lii per cent.
Matches, for procket tiphts, 35 per cent.

ported for any collece, aeademy, whool,
ur cminary, is per cems,
Mathematieal losiruments, of brass, or all of
lone, gitt or plated, irun, lvary, or wood,
Mathematical Instrumenta, of gold, or of silver, 40 per tent. Mats, eow banut, 30 prir cent.
screen, hassocks and rugs, atl other (not Mat- tow, 15 per vent.
of \(\cap\), word, 45 per cent
shanc \(\begin{aligned} & \text {, } \\ & \text {, straw or grass, } 30 \text { per cent. }\end{aligned}\)
Matting, all Howt, of tlays, jute, or grass, 30
Meat, cassada and linseed, 20 per cent.
oat, 10 per cent.
Meats. prejared. 3.5 jer cent
aledicinal preparativna or patent medicines, medicinal preparatlons, not otherwilse spectMedicinal preparat
\(t+c, 10\) per cent.
hitcl, 10 per cent.
Mendicinal roots and leaves, barks, flowers, planta, seedia, not otherwise yurcitied, \(^{2} 0\) p.e. Mrlado, concentratel, y.2.c. per Ib.
Metal, plated, 3 .) per ent.
Metal, plated, 3 ., per eent.
Netalde unmanufactured, not niberw ise pro vilded for, to per cent.
Nelting pots,
If earthen, 25 per cent. Melting pots, 3.5 per rent. Stercury, or quick silver, 5 per zen Mer, areparations so , ealled), body worsted Mer, o shawls iso ealted), body worsted or
combed wool, not otherwlie provided for Sth., per lb. and 40 per tent.
Millinery oi all kinds, not otherwise prorlded for, 3.5 yer cent. Miniatures, II per ceut.
Nineral and bituminous substances In a erude
state, not othervisc prol nimeral kermes 10 , ur blue, 30 per cent.
kermes, 10 per cent.
ar medicinal water,
or medicinal water, in bottles or juct, containing not over iqi., It. each, and 45 p.c.
Mohalr in atrips or patterns of the size exclu. stolacely for buitont, 10 per eent.
Molases, Be. yer pai.
concentrated,
Mop4, 35 yer cent. Jer io
Mopthine, and salts of, 2 d .50 c . per \(\mathbf{0 z}\).
Moss, Iceland, 10 per cent
for beds, \&u per cent.

Mossics, reat, not set, 10 per cent.
set, 火is per cent.
Mother. of.peari buttons with Mother of peeard buttons with memal ey es Mother of \(p\) arl, articter
Wien enumueraterl, A p per cent Marealde. \({ }^{25}\) Jariat cent.
Norkite of tin, mis, per weit montium, 2np Morkite of tin, Sy per vent
Misic in sheets, is pauption
hooks, 241 ner cent.

 Ma hromps, prepared, andiso ice

Munkets 3.5 per ctit.
Muak+, Garress, fif any st
Masket bullety, rods and socke, far,




Nails, ornamental, wis
Weads, is per cell.
Sankeen sheres or sifyper ofit, or P
Niphetha, relined, He, per saler cens. for knition crochet din, \(2 \cdot\) jur cenit. Neter million, and as, per cent. Kests, linds., \%h per ernt
Nels, tinhthg, seines, fike. per lis,
inhing, dy, or scoop, nits, 35 per cent: Newspaperin, 15 per cent.
Nirre ether, sprits of, she pertl. Norfolk latelhes, 35 per ceat.

Nutucgu, sile. per ly
Nux vomea, y) \(\boldsymbol{p}^{p e r} \mathrm{cent}\).
Olats, Her, per bush.
(latme.if, pit per ein

 stles. per lifulb.
Sile, per ilth
Ochises, all, or
per 1146 h.
brown
brown, lilue, red, and yellow einht,
considered an ochrp, suc. pe les.
Oil cakes, zil per cent:
cloth, table mase, 45 per cent.
tathe mats linei with
tithte mate, linel with woil
Oit luth, silk, 60 per cent. Oif eloth, sueli as hat casers. not silk, are usually made of, 15 Oil cloth, floor, stamped, painted or

 wood, 5tp per cent.
Oll of almonis, fixed or expris sed, nc. per lt.
of amber, pr armber crude, inc, per
of at animal, 20 pertice, cent.
of
of
of anjiveed sential
lears, st pur cent.
lears, st per cent.
b.sy, fixted or cruresied, 2ne prot
cajaput, or cajartata. eve. jet lh
channomile, ys per cent.
cassia, I dol, per lb.
cassia, 1 (lol. per b .
carypphil (oil of clovec), 2 tol. per lib.
caraway, joc. per Rt .
cinnamon or cloves, \(q\) dol. perlb.
cimnamon or ceores, y del. purlh.
cocoarnts, 10 per cent.
cocoanyts, 10 per cent.
croton, fixpd nt expluesed
citronevila, 5 soc. per lb.
cobelis, 1 dol. per ib.
cubelis, 1 dol. per lb.
fennel, she. juer lt.
haniphert, 25 c . per lb.
laurel, bixet or es presed, ence prtho mace, fistd ar expreaed, 3kc. pertin minth or mint, \(s 0\) per cent.
nuts, 50 per cent. palm bean pr palim, to per ent. poppioss, 20 per cen. Oil) ath essentit
bil per cent.
Oil of cokniacs, or ananthic ether, iddt.
Oil of petroleuin, crite, tuks, pergal.
retined 44 c, per \(g a l\).
rue, 50 per eint.
rue, 50 per eent.
rock, erude, yoc. per pal.
sake, sarli, sassafrai, gr
spurgr, to per cent.
valetlan, id. sole. per ih
valerlan, \(1 d .501\)
anal, 10 per cent.
allspice, st per cent.
ambergris,
almone per cent.
and
almonds, essential, id. She. pee lio
hay leavet, 1 dol. per pet.
cedrat, 511 per cent

and raspberryy, yd. 5ik. per lab
Oil of limmine, jessamis,
limets, limete, per to
limets, limette, macassar, neri, or
flower, and nutmeas, 50 per crit. nuats foot, 20 per cent.
P.flitory root, \(2 / 2\) per rent.
I'elta, wilted, 111
wry cent.

Pencits, wookl, filat with lead or other mate. fial, sthe 14 H grue, and , 11 per cent.
- encili, camet, hair, 35 per ceent.
chalk, spic. per gross, and 53 per cent.


\section*{Pen ledtler, 35 pro cent.}
 Pen holder tips, and parin ef, \(33^{3}\) per cent. W'elpur, Lhack, white, Cayenne, and red, los per lib.

n. reme.

Prertimnery, of which alcoliol forms the prin pewter, oht, tit only to the realianafactured, Prwfer, prickes of, not entinerited, manu. Drwter, ariches of, not enumer ited, mana-
fictured from, or of whein pewter is a comfictured from, or of whieh pewter is a com


Philosiphical appraritus and instrumenter, 10 Phorpherit. tightv, in ghass toules, wibl paterer

Phosporun, "ul per cent.
Phovithuret of lime, 215 per cent.

pickles, 3, jer cent.
Pirmosine, an rxiract, 40 per cent.

secret art, ms remedies or ppections for any



\section*{pround, 188 , jer lib.}

Pue apples, 25 per eent.
l'uk, thuth or ruxs, 25 per cent.
Pluk, tutch or rres,
remt, 20 per cent.
sipucers, to pris cent.
pipe clay, unu roughti, dol, per ton,
Pipee, cray, smoking, 35 per cent.
meerchanms and other tolseco smoking

1iper raves, stemx, monntinks and wh parts of
piper and pipe listures, and aft stnokera'
Pivtol, 1 , per rent.
\(\mathrm{l}^{\prime}\) itch, llurgundy, 20 per cent.
pitth, 2" per cent. Plinter, lymats, caste, statues, chatiogs, of oria. Platintses of straw for hats or hommets, 30 p . Platinuss of straw for hats or honnets, 30
Planks, wrought or roukh, s41 per cent, l'ants, nedicinal, 20 per cent.
nther, 30 per cent.
Phntains, 2', per rent.
ilane trons, 4 per cint.
Planes, 15 per cent.
1'late, silver, 4) per cent.
Placd carrlage and harness furniture, 35 p.e. Plated epanlets, metal, of copper, monleling,
saddery, slides, w!re ond warcs of all kind not otherwhe specitied, 35 pert rent.
Plateq, copper, suitiabte tor she athing ships.
that is, it by \(4 x\) ing. ond weipling from 14
Plates, nail, 3 ; per cent. (See iton.)
copp nal engraverl, 2 ; per cent.
prepiaresl for engravers, steel, 45 , per cent.
Platina, manufuctures of, not otherwise pro-
Platina, manuffactures of, not otherwise pro-
plumbation, 10 dol. pur ton
Plums, Sc. per lh.
Plush, wnol, not otherwie provided for, 50 c ,
Pocket hooks, leather, or if leather is the ar-
ticle of chitef value, or if of pinyer, isis p.c. Porket lights, phospherus, 35 per cent.
Pole caps, 35, per cent.
carriage hook \&, 3. , per cent.
polisting powders, \(\$\) per cent
l'ntished or surapei hrast, gent. per cent.
Pomatum, in per cent.
l'omentanates, 10 per cent.
Pomegranate prel, \%" per cent.
Poppy heads, oil or seed, eet pur cent,
Porcelain and Parian wart, not ornam
Porcelian and Parian ware, not ornamentel,
ornanmented, in per cent.
Porcelaink \({ }^{\text {lasis, }} 10\) ner cent.
Fork, le. per plat.
Porphyry, \(45 \mathrm{y}^{2} \mathrm{r}\) cent.
Portable desks, 35 per cent.
lorter, in hitles, phs, ver. pial. ficr gal. Potasme, or puthith, prussiate of red, luce, p. ib. l'otassilum, 20 per cent.
Potash, blchromate or chromite of, 3 c . p. It. Potash, blchromate or chromnt
Iotial, chlorate of, 6, , prut lb.
hydriodiate of, yellow, je. per lb.
pure, 211 per cent
Iodate of, jollde of, and acetate of, 75c. p.In.
 Puts, cast Iron, 1 cc . per th,
melting earthen,
ommon, 2.7 per cent. Poultry, dressed, 10 per rent.
or gime, prepared, 35 pur cent.
pounce, zil per cent.
Powder, hlack lead, blue, of brass or of bronze,
2o per rent.
 Mhantig, nod of pathe less than 2ue, prr

 bair, plain, or not perfunced, and per fumed, in per rent.
ink. 53 per cent.
suhtii, fir the sth, nud tooth, 50 per cent.


I'repared vegetahles, meate, poultry, came
repared vegetahica, meata, pooliry, qame
antl fish, stl, in any form, \(5 ;\) wer tent. Preparatiota, chemided, not otherwise enu-
 ginger ios per cent.
protrator, ivory, wounted, shi wer cent.
jrumelia, for butons ouly, lu per cent.

jt‥pkin, li par rent.
p'uple frown, tins per cent.
puly
Puppe lin lupur,
Ou, ilrants, framea, and sextants, \(5: 5\) p.e. Huassiat woxd, zil per cent.
Thilla bark, 211 per cent.
Gulils, prepared or mannfactured, or unpre. Quittings, or bud quilts, cottom, 35 per rent. Quiniat, sulphek ot, or salta of, 15 pirer ceng.
Rag stones, 10 per ent.
 blowi, nad all other, isc. jur It
Rass, cornu curvi, 20 yurcent.
Kaspls, not over 10 in. lonk, tóc. per th. amt
Rayp, overtio in. long, Gc. p. lb. and 30 p.e. Rattans, split or manufartured, 25 per cent.
lavens duck, if hemp or tlax, in puer cent.
 Heaver', 35 per cent. 20 per cent. 1 leinder. skitus, tires,eet, 20 per cent.
undressed, 10 per cent. tanned, \(2:\) per cent.
tongeder, yly per cent.
Themets, raw, Ill per cent.
Reps, natural silt iand cotion, 50 per cent.
litelu, 20 per cent.
lithuarb, foc per lb


Hitles, 35 per cent.
Rock moses 11 per cent.
liope, made of hifles rut in stripe, \(20 \mathrm{p}, \mathrm{r}\).
Rope or cordage of cocoanut ruils
 Roons, all bulbous, nus otherwise enume-

Rone leaves, suc. pere th.
pink (whiting and logwood), 25 per cent. water, so per cent.
Rouge, 50 per cent.
lintruin, bark acer, 20 per cen
Rulirain, bark acer, 20 per cent.
Rubics, ill per cent.
set, 25 per cent.
Rum, essence or on of, and hay, esserest

Ilust of irme, zil per cent.
Hye, 15c. Her bht.
Sye flour, 10 per cent.
Saldlery, all not ntherwise specified, 35 p.e. Sitllour, II per cent.
extract of, 41 per cent.
Saliron, and cake, 10 yur cent.
Sago, and thour, 1hc. per th.
Sako, and flour, liz. per
sail duch, 30 per cent.
Salacine, a medicinal.
Sal ammoniac, 10 pre crent.
diuretic and suceinic, 24 per ent.
Salep (wegetable sulistance), 20 per cens.
Sileratun, lis. per 1 l .
Salt, 18c. per \(1 / 4 \mathrm{tb}\).
Salt, isc. per 11at th.
not \(\ln\) bulk, 24 c . per 100 lt .
- not in bulk, 24c. pyer 100 lt .
\(18 c\), per 10141
Sates, brown, 20 pier cent.

120 p.c.
Rochelle, ise, per lib.
all other chemical salts not enumerated, Sialted olti ivers, rmans, and pelts, 10 per cent. Saltpetre, or hal nitre, or nitrate of potash

partially refinen, ye y per ils
Sandaracher, retined, licc. per th.
Sand stones, 10 per cent.
Santonin, 5 dol. per 1 lt .
Sarcocolla, cride, \(20_{1}\) per cent.
ardines, in oil, in thartes (iin salt or oifh

Sassair,s, 20 per cent.
Sinlna, figured, whent in whipe and slec ex-
clucively for inutons, 10 pere cent.

Nansngea, rarpu Holegna, 3it pre creil.






















Shers, ble wer it











Shell lakkth, "1


Shith, wot wherwhe povidevi fir, 3's. p.e.




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 IIf. Is band in whele ar part, if no wool or



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Silviry, tumat, cont. otherwhe providal fur, 2", mremi.
Shins, purthod, bu carks, 111 pur cent.
unmanuf treurex, not otherwhe paw, or or for, lif per cent.






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Siv glames, II per wht.
Mareh, mathe of pulaters or coutis, lo. per







Dr.wn or bromze, 23 per remb.

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 Ih. and 111 par cent.


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Siorl phatem, wigraver, 25 gur rems.


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far umbrellan or parawals, 3f, p.c:
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Son frames, 3' jur comt.
tomirlis pump, sis per cunt
stonew, re, rommon, "s per cemt.
all nther, comploed if earth or minpral sul


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 Treth, mautactund, 20 por


 Tumire, tin plates or she lib.

 hazth, ..., per crut.
 'IIT, Klase, woent, litess, of cuph, 4 'Thor marime, a masal ohb, ye pat Thireal, cerutishums axd tectrt Threat, this, pak and hore fores
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cryatala if, and fol, si) mane
Kinuar, 210 Hrrcent .
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\begin{abstract}

\end{abstract}

N LiW YORK

 Vlurgur, liw. ver kul.

 Vhar meral, wist wity.


while, ur aniplate is Alm, 29 per cent.
W. .f.rn, at provit.




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Was lawhat aly drant


















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 anil \(2^{\prime \prime}\), 1 ser reth.












later, \(2^{\prime} 1\)




















 1my, wi wil






















 \(\mathbf{p}^{n \times r}\) H.
Y'anis, 111 prr cont


Hix ur liwen, bur sputing, mot never No. 4



\section*{}
pror llo., elli. wer ther, valum not never ther.



 Yarrs untationt vat.





7.thro, 2t per eont.




laws imposing Duties on Imporls, and fir other Purpmes,' npprovel August : Sit, 18.t2, is hereby amended so ns herenfers tor read as follows: [ Seec: 12] And he it further emeted, that on and after the day this Ael groes into operation, the daties on all imparted goods, whese, or merchandise, matl be: biaid in canh: Providend, that in all cased of latiure or nereled to pry the dutios within the periond allowed by law to the importer to make entry
 wigne: shall make entry fur warehomsing the same in writing, in such lorm num supported hy wurh prowt as shat he preseriberl by the Secretary of the Treasury, the said goods, wares, or merathambe shat be baken possession of by the ealler:or, and devosited in the public stores, or in other stores to be agreed on by the collector ar chief revenue oflicer of the port and the impurter
owner, or eonsigner, the suid stores to be secured in the manner provileel for by the tirst section of the Aet April 20,1818 , entilled ' An Aet providing for the Deposit of Wines and Itistillend spirits in l'ublic Warehouses, and for other P'urposes,' there to bo kejt wilh doe and reasomble care, at the charge and risk of the owher, importer. consignte, or arent, and subject at all times to their order, ulom payment of the proper ditios and expenses, to be astertaned on due entry therevt fur warehonsing, and to be secured by band of the owner, importer, or consignee, with whrety or suretiou, to the matisfiction of the collertor in doubse the amonet of the sain dhties, mond in sueh form as the Siecretary of the Treasiory whall prescribe: provihed that no merehandise shall be witherawn from any wareholse in which is may be deposited in a less quantity than in an emire packager, bale, cask, or box, unless in bulk; mor shall merehandise so imported in bulk be delivered, exerpt in the whole 'quatity if each parcol, or in a guantity not less than I ton weight, muless by speciai nuthority of the Secretary of the Treasury, Aul in case the owner, importer, consignee, or arent of any roods on which the duties have not beren paid, shall give to the collector satisfactory security that the said grools shall be latuded ont of the jurisdietion of the United Sitates, in the mamer now reguired by existing laws relating to exportations for the benetit of drawhack, the collector and maval odicer, if any, on an entry to re-export the same, sluall, ipon payment of the appropiriate expenses, permit the said goods, wiher the inspection of the proper oflicers, to be shipined without payment of my duties thereon. And in case any goodh, wares, or merchandise, deposited as aforesaid, shall remain in public store loyoud one year, without payment of the duties and i-harges thereon, then satid goods, wares, or merchandise shall be apprased by the appraiser of the United States, if there be any at such port, and if none, then by two merchants, to be designated and sworn by the collector for that purpose, and solit by the collector at public anction, on due publie notice thereof being tirst given in the manner and for the time to be preseribed by a general rerulation of the Treasury Deparment; and at said publie sale, distinet and printed catalognes descriptive of suid foods with the appraised value affised theretr shall be distributed among the persons present at said sale; and a reasomable opportunity shall be given before such sale, to persons desirous of purchasing, to inspect the quality of such goods; nul the proceeds of said sales, after deducting the usual rate of storage at the jort in question, with all other charges and expeuses, including duties, shall be pait over to the owner, importer, consinsnee, or agent, and proper receipts taken for the same: provided that the overplas, if any there be. of the proceds of such sales, after the payment of storase, charges, expenses, and duties as iforesaid, remaining unclaimed for the space of 10 dnys after such sales, slall be paid by the collector into the Treasury of the United Stites; and the said collector shall transmit to the Treasury Department, with the said overplus, a copy of the inventory, appraisement, and account of sales, specitying the marks, numbers, and deseriptions of the prekages sold, their contents, and appraised value, the name of the vessel and master in which, and of the port or place whence they were imported, and the time when, and the name of the person or persons 10 whom, said goods were eonsigned in the manifest, and the duties and charges to which the several consignments were respectively subject, and the receipt or certificate of the cullector shall exonerate the master or person having charge or
commund of any ship or vessel lin whidh said goods, wares, or increhanciase wero improtell, fan all chains of the owner or owners the rewfo whe shath nevertheless, on the proof of their interiow, be fint titked to receive from the 'Ireasury the amonat on any overplus paitl intos the same under the vivions of this. Aut : provilmal, that sot tom then

 30, 1812, to prowide revenue from ingerts, and to change and huslify existing laws imponime 中ntin on innpurts, and fur other purpuses, as pondicts with the provisions of this Act, shall \(\mathrm{l}_{\mathrm{w}}\), amp hurehy repealed, excepting that nothing monaine in this Aet shall be construed to axtmon the time now preseribed by law for selling mintatone foonls: provided, nlas, that all greols of a primplatle huture, and all wompowler, tirecracker, and ex phosive substances, depmsited no aforemaid, slall sohl firthwith.

Sec, 2. Any goons when lepmaitem in the juhtio stores in the manmer provided for in the fure Loint section, may be wilhulrawn therefom me tranaported to any uther port of antry, wither the restriplions provited for in the Aet of March? 1795, in respect to the transpartation of espmbs wares, and merelamdise from ome coplection dijerite to amother, to be exported with the lempit drawbuck; and the owner of such gratis wot to withlrawn for transportation, shall pive his lond with sudficicut sureties, in double the amome of cluties chargeable on them, fur the i posit of sud grouls in sture in the part of entry to whin the shall be destinel, such bomil to be cimedled whe the goods whall be re-deposited in stome in the whe thon district to which they shall be trampurted provides, that mothing contained in this sextion shatl be conas raed to cxtend the time during whid frools may be kept in store after that imidias importation and entry, beyond the teran of en yeur.

Sec. 3. If any warehoused groots shall be frate lently concealed in or removed from any pult or private warehouse, the same shall be diaferte to the United States; and all permons cumbito of fraudulently concealing or removing: sted mous or of aiding or abetting such conceatment or moval, shall be liable to the same pemalties whid are now imposed fir the fraululent intrulictio of foocls into the United States: and if an importer or proprictor of any warehoned gon or any person in his employ, shall by uny emsto vance fraudulently open the wardiense, or: gain aecess to the groods, except in the prom of the proper cflicer of the custom, actins iath execution of his chuty, such importer or bevide shall forfeit and pay, for every surl ufthee bill clollars. And any person cunvictel of altering defacing, or obliteratiug any mark ur marks whik have been placed by any officer of the revemen any packare or packares of warelonsed gina slunt forfeit and pay, for every such offente, io dullars.

Sce, d. The eollectors of the several paris the United States shall make quarterly repurt the Secretary of the Treasury, arcarimy wis general instructions as the said Sectary n give, of all goods which remain in the whelwers of their respective ports, specitying the quantit and description of the same; whid returs of tables formed thereon, the Socretary of the The sury shall forthwith cause to be puhinhat in th principal japers of the eity of \(W_{a}\) hington

Sce. 5. The Secretary of the I'rensur thatin he is hereby authorised to make, fona time tiane, such regulations, not inconsistent with th laws of the Uuited States, as may be neecesart:
wel In which sain
 hele interewn, be ensury the amonnt if me linder the pire
 of the dit of Juthot frum inturts, and th nws imposing hatica marpomex, as contlicts Act, shall be, athl
at nothine containd

 I fronds of a a minhable lirecracker-, mind ex
as aloresuid, whall
lequsited in the publio -idud for in the fures drawn then from ant ot of contry, umine the uspurtation! of sinn! n onse cullectiun ciberic I) with the hewetit of such gonds so to b ion, shatl arive hiv hond oulbe the amonit of
for the il pusid sif for the a jusid
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tore after their unains

ed foods shall be fromb noved from any yuth d all peroms cemiot or removin? sudation such concealment or? the same penallies whid tramblukent intrubucti ed States ; mil if ar any warchows ton luy, shail by any con shat except in the pising te custom:, acting in tim ch importer or propriet crery suth oflenes lif a convicted of sitering ny mark it mark whin
olliedr of the reverite u s. of warelonted gins - every such offence, il
of the sereral piots nake quarturly reputs asiller, accurdin! tu: the said sectary maty remnin in the w redous specifying the quantil - mene; whith retums se Socretary of in th e to be parisual of the 'l'reasult! hath an to make, fom time of inconsistent with th
fir filleffect to the provisions of this Aet, and or one of e nwners, or, in the nbecnee of the mes int accomatability under the same. And ownor, one of tho party who is anthorised by tho in dall be the daty of the Seeretary to repurt owner to mako the shifoment and sigit the divoieo in wemations to each succueding sesston of of the smme, ecrtifying that the invoice annexed

The fillowine sectlon (17) of the Aet of Comsas if duly 14, 1862, will be found of gront matance to merchants whon consigu or otlierwiso to moly to the United States:-
2p li, ind be it further enacted, That from siafter November \(1,1862,110\) tronds, wares, or wasalise, subject to ad valorem or specille Whar, whether belougring to a person or persons wing in the United States or otherwisc, or vether acquired by the ordinary process of barSuad sale, or otherwise, shall te admitted to cir, uncess the invoice of surbly soods, wares, or sethadise be veritied by the onth of the owner, contains a true and laithfal aceount, if subject to nel valorem eluty and obtained by purchane, of tho netinal cost thereot, mal of all charges thereon, nud that no diveomits, tomantien, or drnwhacks are contained in the said invoice but much as lave aetually bean allowed on the sane; aud when consigned or obtained in any manner othur than liy purchase, the actual market value thereof, and if subject to spreditic claty, of the aetual funntity thereot, which anid oath shall be administered by the consul or commercinl ugent of the United States in the district where the gools are manafacturel, or from which they nre sent; and if there be no consul or commercial agent of the

Inwt of the Qumditics and Computed Falues of the Principal Articles Imported from the Tnited States (ineluding California) into the Linited Kingtom, in each of the 4 Yeurs anding with 1867.


United Ntates in the sail district, the verifleation herehy required shall he made by the consul or commerchit agent of the Unitent States at the nearest point, or at the port from which the goods are shlp,ped, in which case the oath whall be administerod by nome putbic ofleer, duly anthorised to admbinater oatha, und (ramminted, with a copy of the invoice, to the consul or commerein agent for his anthentication; and this Aet shall bes construed only to mosify, and not repeal, the Aet of Mareh I, I 823 , entitled 'An Aet smpplementary to, nud to ameni an Act entitled "An Act to regulate the Collection of Duties on Imports and l'onnoge," passed March 2, 1799, and for other l'urposes', and the forms of the onths therein set furth shall be moditied accordingly. And there shall be paid to the said consul, vice-consul, or commercial nenent, by the person or persons by or in behalf of whom the said invoices are presented and teposited, one lollar for ach and every invoice verilled, which shall be necounted for by the oflieers receiving the sane, in such manner as is now required by the laws regulating the fees and salaries of eonstid and commercial agents. And provided, further, 'That the provisions of this section shall not apply to invoices of goods, wares, nut tuerchandise, intiperted into the United States from beyond Cape
portan brow Cup
Quantities and Values of the Principal Articles of Forcign and Colonial I'roduce cad ila facture Lxported from the United Kingdom to the Uniled States during each of the 4 te enting wilh 1867
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Articlca} & \multicolumn{4}{|c|}{Quantities} & \multicolumn{3}{|r|}{Computed leal thiue} \\
\hline & 1861 & 1865 & 1 me & 1867 & 1861 & \(1 \times 63\) & 1466 \\
\hline nacon - & 7,29 & 50 & & & \(\stackrel{1}{15,469}\) & & \\
\hline liark, Perupian
Headi anct lugles of glass : & 24, \({ }^{2}, 777\) & 541, \({ }^{4,971}\) &  & 353\% \({ }^{1 / 19}\) & 4, 41.2 & 31, 31 & 19,199 \\
\hline Headt and bugles of glass : & 24,167 & 521,479 &  & 337,797 & 11,693 & &  \\
\hline Caoutchouc : - cwit. & 4,925 & 6,112 & \({ }^{4}\) & \({ }^{381}\) & 3 3,137 & 45,133 & \% \\
\hline  & 1,853, 477 & 1,779,851 & 296,7\% & \({ }_{40,6875}^{4,937}\) & - \(36,3,39\) & Stis, & - \({ }_{\text {3, }}^{3,45}\) \\
\hline Copper unwrought and part wrought: cwi. & , & - & 9,510 & & 42,4it & & 3, \(3,6,60\) \\
\hline  & 105,246 &  & 7,166 & 2.913 & 1,17, 7,516 &  & 30,48 \\
\hline Curranta . . . " & 6,641 & 8,3 & 3, \({ }^{191}\) & 3,464 & 6,25, & 7 7,1061 & + \\
\hline  & 19 & 5387 & 313 & \({ }^{63}\) & 4 & 13,596 & 10,3 \\
\hline  & 1,377 & 2, \(2 \times 979\) & 8, 81246 & 3,438 & 352 & R,614 & 22,633 \\
\hline  & 786 & 1,650 & \({ }^{1,185}\) & , & 19,76, & 39,09i & 1,5, \\
\hline Oum : Anlmi and copal : \(\quad\) ewt. & \({ }_{4}^{153}\) & 1,808 & 1,510 & 1,249 & & 8,4 \({ }^{\text {(1) }}\) & 1,704 \\
\hline  & 23, \({ }^{4,674}\) & 13,675 & 18,8,47 & 15,6619, & 11,294 & 47, \({ }^{47,638}\) &  \\
\hline Elair, liorue - : - "\% & 2,305 & 4,110 & -700 & 241 & 1, & 20, 441 & \({ }^{3}\) \\
\hline  & & & & & & - 12.660 & , 1, 16 \\
\hline \begin{tabular}{lll} 
undrensed \\
jute - & - & -
\end{tabular} & 13,344 \({ }^{1}\) & 36,758 & \begin{tabular}{l}
87,008 \\
87 \\
\hline 874
\end{tabular} & 6,0,939 & \(\underset{\substack{24,8,3 \\ 8,43}}{ }\) &  & lana \\
\hline Hides, not tanned - : ", & 2,266 & 15,6,33 & 26,927 & 24,11435 & 8,231 & & \\
\hline Iforu \(\quad: \quad \div \quad: "\) & 1,178
6,860 & \({ }_{9}^{903}\) & 8,838, & 3,939
3
3 & & \({ }_{29,0}^{5,0}\) & 38,3i \\
\hline  & 3,096 & 2,9\%: & 5,64 & 3, 367 & 39,093 & \({ }^{23} 390\) & 5, \\
\hline tarl & & & 8,126 & . & & 178 & 2,4, 2 \\
\hline Sinmon manufactures, & 18,415 & 11,351 & 10,778 & \(1 \ddot{O}_{781}\) & 30,3,77 & 21, & \\
\hline Nitre, culite : - "ib & 3, 3 , 166 & 24, 41.6 & 29, 270 & 9,6.530 & 23, 2120 & 15,97 & [7, \\
\hline Nutmeg \({ }^{\text {Ofi }}\) (hemical, essential, and perfumed: ib. & 367, \({ }^{3} \times 186\) & & \({ }^{13798989}\) & & 20, & - 46, & , \\
\hline  & 33,466 & 79,473 & \({ }^{102996}\) & 43,67 & 5, & (6, 24 & 36,914 \\
\hline  & & & 70,065 & &  & 68,924 & 56,s80 \\
\hline Pepper : \(\quad: \quad\) : & 2,866,031 & 1,116,480 & 77,311 & 247,923 & 41,797 & 16,2m & \% \\
\hline  &  & 44,353 & 200, 381 & 31,431 & 20, 131 & 4, 4,57 & 19,24 \\
\hline Oulinine, culphate of - : & \$0, 20 & 74,960 & 23,800 & 5,640 & \%,923 & 29,750 & 3,359 \\
\hline  & 1,017 & 12,599 & 3,1002 & 5.670 & 1, 187 & 19, 19 & -1,99\% \\
\hline Rhularb \({ }^{\text {R }}\) - \(\quad\) - Il. & & 14.145 & 13,184 & 33,679 & \({ }^{23} 815\) & 188,599 & 19,904 \\
\hline Rice, not in the husk:
Seeds Lilinsed & 14, 183 &  & 13, 2,50 & 96,100 & 38,788 & 4, 3 R8\% & 7, 3 , 3 \\
\hline Shumach \({ }^{\text {che }}\) - tons & & 8,094 & 1,143 & \({ }^{387}\) & 151 & 30,566 & 92,980 \\
\hline silk manufactures of Europe, unenume: value
rated & & & & & 3,10 & 16,27 & 5,483 \\
\hline Silk, raw Mafetures: Broad stufls and lb. & 131,345 & 337,171 & 237,911 & 192,341 & 147,416 & 413,942 & 231 \\
\hline  & & 277, & 274.537 & & \[
\begin{aligned}
& 11,399 \\
& 16,366
\end{aligned}
\] & 3,8575 & (\%) \\
\hline  & & 277, \(6 \times 4\) & 274,37 4 & 20, 1,230 & & 3,799 & 19,418 \\
\hline  & 1,548889 & & 1,499 & & 33,9,93 & (14,361 & 26, \({ }^{\text {a }}\) \\
\hline  & 12,888 & & & & 13, 213 & & \\
\hline  & 3,248,122 & & 3,228, & 2,552,793, & 399, 14.75 &  & 25s9 \\
\hline Tin, unwrought & & 20,1; & 4,990 & 3, \(1135^{\circ}\) & 3,966 & \({ }^{993,43}\) & ypase \\
\hline Tobiscoo, unmanufactured : & & 346,192 & 1,096, 73,212 & 14,69 & & 19,346 & \\
\hline Wool, theep and lambs' : & 4,20,356 & 7,341,265 \({ }^{4}\) & 4,519,704, & 3,941,35. & 285, 3 \% \({ }^{\text {a }}\) &  & 290483 \\
\hline dll other orticles : - : value & & & & & - 3 3653,515 & & ].313 \\
\hline Total of Briluth and foreign proluc & & . & & \(\cdots\) & , & \(3,170,787\) & \\
\hline
\end{tabular}
 of this aections shall not apply to countriw iof there is no consul, vice-consul, or coutre when ugent of the L'nited States,
libade of the United Kivaion with t Uniter Statis.
Acrount of the Dirchared liture of the \(T\) Sirports of British I'rodure and DIM nufuctur 0) The Tnited State: of Americh, durimg rut of the 35 Yeurs emdiny weth lxbis.
\begin{tabular}{|c|c|c|c|}
\hline Yesrs & Trechted Yalue & Veats & pelaped \\
\hline 18.33 & \[
7,579.699
\] & & \\
\hline 18.31 & 6, \({ }^{\text {a }}\) (1,989 & 1\%\% & 14, \(10.702,985\) \\
\hline 14.36 &  & \(103 / 3\)
\(1 \times .1\) & RT, \\
\hline 18.37 & 4, 999.445 & (x) & 21, \(110,3.489\) \\
\hline \(1 \times 38\) & J, \(8 \times 8.7800\) & 19\%6 & 17, 10.008 \\
\hline 1319, &  & 1957 &  \\
\hline \(1 \times 11\) & 8, 7 7,98,612 & 189898 & 14, 2910 , 4 \% \\
\hline 141\% & 3,544, 5107 & Unifi & 24,35, 405 \\
\hline 18.3 & 5,43,504 & \%61 &  \\
\hline 1811 & 7,93风,079 & 1462 & \(11,387,70\) \\
\hline 1815
\(1 \times 16\) & \(7,147,9653\)
\(6,8,31,160\) & 1463 & 15, 10.9 \\
\hline 1x17 & \(10,974,161\) & 1865 & 16, 9 \% \\
\hline 1818 & Y, Sfi, 30 &  & \%1, \({ }^{2}\) \\
\hline 1819 & 11,971, 1284 & 1s 67 & 21, xatix \\
\hline
\end{tabular}

\section*{}

Heqre, until Ipril r, That the birnvivint dy tor countries whin mash, or cemmere Kisgomen witil t CATE.
V'u'se of the Tita Hece and Jinnufactur Americr, iluring puis with \(1 \times 6 i^{2}\).

\section*{rears \\ \begin{tabular}{|c|c|}
\hline Sears & Heriated Vows \\
\hline 18.1 & \({ }^{\text {f }}\) \\
\hline \(1 \times 1\) &  \\
\hline [143 &  \\
\hline 14.51 & \%1, 1410,30 \\
\hline 1435 & 17,314,196 \\
\hline 13.6 & 21,91401114 \\
\hline 1558 &  \\
\hline 18.98 & 14, 1919115 \\
\hline 14.39 & 44, \\
\hline 1 meg & 21.667 , 031 \\
\hline 1*if & 9,10, 4,54 \\
\hline 1464 & 1 Crgham \\
\hline 245s & 13,931, 59] \\
\hline 1461 & \(16,7 \times 3,505\) \\
\hline 186.3 & \({ }^{\text {2, \%atase }}\) \\
\hline 1 mlim & 2x, 1104,54 \\
\hline 1467 & 26ッ4, \\
\hline
\end{tabular} ing each of the 4 lea
 rativg with \(186{ }^{\circ} 7\).

ytargica (SAN JUAN DE). A geaport mant the .nouth of the river of the same name, we of Costa Kica, on tho W , shore of the (rathen Sen, lat. \(10^{\circ} 55^{\prime} \mathrm{N}\); ; long. \(83^{\circ} 43^{\prime} \mathrm{W}\). Tesen is excellent, and is considered the best a tio silo of the const. Till lately the town ve quite inconsiderable, and conslsted of little dexun a duster of huts; but latterly it has no aidbeea improves,
Thi place has risen into importance from its bing at the W. extremity of a proposed line of mexmmunication between the Caribbean Sea wi the Pacitic Ocean. This line is to consist, rergo the river San Juan, flowing from the Lui of Sicaragua E. to tho sea at San Juan, wrif of the lake, and partly of a canal to he wanceced from the latter to the Paeitic Ocenn. nis mject has been often mooted; but the avarery of the extraordinary mineral riches of Wibnia, and the consequeut emigration to and zanse with that country, have given it an wapanbly yreater interest than it formerly mesed. The country appears to preselit pate facilities for effecting this great work tun my other part of Central America, expept telthous of Darien or Panama. The rivor fis Jann, about 90 miles in length, is sniil to ire been occasisnally navigable throughout its atire course for sea-going vessels, till the yainrd, to , rotect theuscives from the attacks dubbucaseers, sunk vessels loaded with stone pis bed. In consequence of the interruption the girin to the stream, a considerable portion the rater was carried off by a new channel Whd the Kio Colorado. (Chevalier, L'I sthme de pama se. p. 84.) The San Juan is still, wareer, ansigyted, though with much difficulty, the rainy season, by stcumers and other sed drawing little water.

The lake itself has deep water throughout, anil is adapted for ships of the largest burden. The distance between its S.W. shore and the Gulf of Papagayo, on the Pacille, is only 29,880 yards, or 153 miles; and though the intervenlng country be laid down in many maps as monintaninous, the greatest actual height of nuly part of it above the level of the lake is only 19 feet; at least, such is the result given by a series of 347 levels, about 100 yards apart, taken in 1781. (Thompson's Guatemala, Append. pp. \(312-520\).) The surface of the late is 128 ft .3 int. (linglish) nbove the level of the Pacille; an aseent which might be overcoine by a suceession of locks. The difference in the level of the two oceans, formerly supposed to be so serions na obstaclo to tho undlertuking, is said by llumioldt not to exceed 20, or, at most, 22 ft. (Noul. Espagne, 1. 223, ed. 1815.) At its western extrenity, the Lake of Nicaragua is connected ly a small river, tho Tipitapa, with the Lake of Leon or Managua. The latter, 55 miles in leugth by nearly 30 in breadth, is also said to have deep water throughout. And the plan which upears to be at present preferred is, to make the channel uniting these two lakes navigable, and to excavate a canal from the latter to the port of Renlejo on the Pacific. Mr. Squirr, formerly charge d'affaires for the United States at Nicaragua, published the following statements in regari to this route.
Length of the route by Lake Nicaragua ic. across the American Continent from the Atlnntic to the Pacific Ocean :-

River San Juan
Alke Nlcarazua, necessary to be iraversei
Hiver Mypapa: Manakua or I, eon:
Frum Lake Manague to Itealrio


1 Uuight of the various lakes to bo passed, and the clevation of land:-
\begin{tabular}{|c|c|c|}
\hline 促 & Above Athaste & Abactfe \\
\hline & f1. in. & It. \\
\hline 1teight of Inke Nicaragua & 1179 & 124 \\
\hline Manapux & \({ }^{1 i t i}{ }^{\text {a }}\) & \(\begin{array}{lll}156 & \\ 818\end{array}\) \\
\hline
\end{tabular}
theliest point of land to te
But great doubts a:c entertained whether thi or any other ronte by the Lahe of Nimaragua coun he nade practicuble tor moderate-sized vessels, that is, for ve8sels of fiom 400 to 500 tons and npwards. The river Smin Juan rmas from end to cud through a dense and whealthy jungle. No labourers aie to be had in the conntry, and it utlords nothing for the subsistence of thoso who nuy be imported from a distance, Aud though, one should think, it would be no very diflienlt matter to clear it of the obstractions made to oppose the buceaneers, it is plain from the difference of level between the Lake of Niearngua and the Atlantic, that others of a much more furmidable character must be in the way, and that a great deal of locknge would be required to enable vessels of any considernble burden to reach tho lake; and after it has been reached, many difficulties have to be surmounted. That ther may be surnounted, and a navigable channel formed between the two occans, is not, certainly, impracticable; but we are persuaded that it is visionary to imagine that ships of 1,000 or 1,200 tons should ever, as has been stated. get across the Continent by its means; and on whatever seale it may be made, the anticipations of advantage to result from it will, we apprehend, be found to be greatly exnggerated.

The communication hitherto effected ia as follows.

The Central American Transit Company commencing at San Juan del Norte. conveying by river and lake navigation, and by steam to Virgin luy; thence by land carriage for about 14 miles to San Junn del Sur. Here Californinn steamers convey to San Franciseo; while, on the other side, New York steamers convey from San Juan del Norte.

On April 19, 1850, the British and American Cuvermmeuts entered into a treaty, binding themselves to promote the construction of a ship caun between the Caribbean Sea and the 1'acific Ocean, by way of the Lake of Nicaragua; and renouncing at the same time any exclusive right to or control over such caual.
The port of Realejo, on the Pacitic, lat. \(12003 t^{\prime}\) N., long. \(87^{\circ} 4^{\prime}\) W., to which it is proposed to bring the canal from Lake Leon, is said to be one of the best that is anywhere to be met with. It is protected by a long narrow island, which forms a nutural breakwater. We borrow from the Times the following notice of this harbour, derived from a former resident there:-
- I may confidently say that the port of riealejo is, at least, as good a port as nny in the known world. I have seen Portsmouth, lio de Jantiro, I'ort Jackson, Talcujana, Callao, and Guayaquil, mud to all these I consider it decidedly anperior. It is a salt-water creek, into which several small streams of water empty themselves. The entrance is protected by an island about two miles long, which leares at each end a chanuel where ships can enter the harbonr, but extending opposite the mainland, forming the port in such a manner ns to protect it entirely from any wind that could porsibly blow, and also entirel:- breaking the si. al which enters the outer bay of Coucharna from the ocean. The north entrance is nbout \(n\) quarter of a mile wide, and that at the south of the island rather narrower, both being eatirely:
free from rocis or hidden dangers, and having in no part less than fivg fathoms depth of water it one of these openings vessels can at all times entir rith a lending wind, from whatever quarter it tua blow. 'The inside consists of a nolle thain water, nowhere less than four fathoms deep, will bottom of mud, where two hundred ships of tho line mirht lic at all times m tire most buthent security. One of the branches of the arev tends inland to within thres leagnes of the of Leon or Managua. The intermediate connry i, gentle slope, where undoultedly should enter of the ends of the cmal to connect the lacitic a Athntic Ocenus. The diffieulties to be incour tered in crossing the chain of hitls betwem Lake of Nicaragua ad San Juan ded sur wiul be entirely avoided, \(y\) bringing the canal throns the Lake of Leon (connected as it is with that Nicaragua by a river that might be rendere navigable at a moderate cost) ir to the abore maned branch of the Licalẹio harbour, thus curing the great advantage of nn excellent har bour at each end of the canal, besides many othar which are ceitaialy not to be met with either Panama, Tehtantepec, ur any other place.
'The town of Realejo is about two leagues tant from the part of the creek where vessels lie but there is aufficient depth for small vesselst come within a mile of the town, and a very litt labour would make it accessible to large shi but an ealightened Government would probab; prefer moving the town to the oprosite side of \(t\) reach, where vessels lie, where there is a site e tremely suitable for the purpose, and where aqua * moght casily be erected capable of accomnodati any number of alips. In the time of the Spant Government aeveral ressele, some ci 300 to tons, were built at Realejo, where the wood very superior and durable.
- The port of San Juan del Sur, to which ple was pruposed to bring the canal, seems inferout Realeio in most respects. The Gulf of lapaga where the port is situated, is very difficult to ent for a sailing vessel for five month. in the year.'
Port charges, 10 cents per ton; lighteas: dollar per ton ; pilotage, \(1 \frac{1}{2}\) dcilar per frot.

Pilotage is charged both in and out.
NICARAGUA OR PEACH WOOD (Ger. caraguaholz, blutholz: Dutch, btcedhont: bois de sang, bois de Nicaragua; Ital. le sanguigno; Span. palo de sangre; Port sanguinho). A tree of the same genus (Casalpint as the Brazil and sapan wood; but the sp has not been exactly ascertained. It gny principally in the vicinity of the Lake of Xices gua, whence its name.
It is suid by Dr. Baneroft to be nlmost a and heavy as the true Brazil wood, but it not commonly afford more than a third pati, quantil ; of the colour of the later; and this is ather less durable aud kess beant though dyed with the same mordants, Nica
gua or penela woods differ greatly in their gua gua or pench woods diffen greatly in their qua
as well as price; one sort bcing so deficint colouring matter, that 6 pounds of it will 6 dye as much wool or cloth as 1 pound of B wood: whic another varicty ef it nill proin nearly half the effect of ain equal quantioy Brazil wood, and will sell promortionall (Bancroft On Culours, vol. ii. p. 332.)

The London dealers distinguish Jiamy wood into three soris, viz. large, midding, small; the price of the lst sort being from to 131 . per ton; of the 2ad, from 71. to 10.1 do.; and of the 3rd, from 6l. to \(i l\). per do. duty, atter being reduced in 1831 fron liss, to per ton, and in 1842 to \(2 s\). per do., was whe

\section*{NICKEL}
gers, and having in depth of water A an at all times enth atever quarter it may of a moble lowiu of fathoms deep, widh cundred ships of the in the most \({ }^{\text {wither}}\) hes of the recek leagues of the lake armediate comury is edly shoudd enter wis. miect the Paciuc ant cultice to be shenarof hills betweell the , Juan del Sur what piug the canal thronsh od as it is with that it might be renderef cost) ir to the ubwe lejo harbour, thus ce of an excellent har al, besides many othen be met with either a any other place. about two leagues dis rack where vessels lie th for small resels : town, and a rery litul :cessible to large ships nment would probali , the oprosite side of th there there is a site \(c\) urpose, and where a quad * apable of accomna a atatip the time of the Spanis selc, some ci 300 to 4 seli, somere the wood
alejo, wher c.
del Sur, to which pla te canal, seems inferiur The Gulf of Papaga d, is very difficult to ent 'e monti. in the year.' a per ton; lighterajos 12. dcilar per foot. th in and out. ACH WOOD (Ger. Duteh, blceuhbut: Nicaragua: lital. les de sangre; Port e same genus (Casalpinim wood; but the spec ascertained. It crot aseertained. y of the Lake of Sicat
roft to be nimost as Brazil wood, but it do pre than a third part, of the latter; and er able and less beantia fame mordants, yica greatly in theirfient prt being so it will od th as 1 nound of Brat ricty of it will proil \(f\) ant equal quantity ell provertionall! 1. ii. p. 332 .) distinguish Yiaass z. large, middling, st sort being from nd, from iL to 10. 6i. to 72. per do, in 1831 from 153, to 2s. per do., was who
miblel in 1844. The imports of Ni aragna rudamounted in 1865 to 3.42 tons, and in 1867 rotll tons, valned at 6,769i.
llikil. A scarce metal, which ocenrs ins in combination with other metals, from and it is exceedingly diffieult to separate it. When fure, it is of a fine white colour, resembling dren. It is rather sufter than iron: its specitic tarity, when cast, .s 8.279; when hammered, 5,. It is malleable, and may withont difliwhe be linmmerec into plates not exceedin \({ }^{r}\) then in thickness. It is attracted by the Gemet; and is notaltered by exposure to the air, ar bobeinr kept under water. It is employed in puteries, and in the manufacture of porceHin Thomson's Chemistry; Watt's Dictionary (themistry.)
'This metal is the foundation of 'German silver;' siadso employed, either pure or in combination widh epper, as a form of curreney. Coins conwinit 20 parts of nicliel, and 80 of copper, are amiated in lelrium. The weight of a nickel Brinu penay is little more th a dram. In win nickel in the metallic for \(:\) or in that of wind oxide, was imported

\section*{Finglom to the value of \(1,9 \mathrm{ar} 0\).}

SiSiPO, one of the tive ports thrown open wamere by the trenty of Nankin, is sitnated the pronince of Che-Kiang, on the river Yung,
 Wyingo commences at the river's mouth; three What allet the I'riangles or Yew Islands, forming therpayges to the river. The port is 11 miles upthetream, which is about 600 yards wide at biepiot, with depths varying from 5 to 2 fates. Vessels of 17 feet draught can proceed to the eity at half tide it springs. European dis promed at Chin iIni. The rates of pilotyefre 3 dols, from aud to Square Island, and 10为fom and to Chusan Island.
lighthmuses,-The aceess to the river Yung was shilised by the construction of two lighthouses a the islands off its mouth. The first is built onvare Island, and is 186 fect above the sen Oh. lat. \(29^{\circ} 59^{\prime} 822^{\prime \prime}\) N., long. \(121^{\circ} 45^{\prime} 6^{\prime \prime} \mathrm{F}\). The econd lighthouse, 154 feet above the sen kxhison Tiger's Island, about half a mile from thentrance of the river, lat. \(29^{\circ} 57^{\prime} 43^{\prime \prime} \mathrm{N}\)., long. M. \(43^{2} 51^{\prime \prime} \mathrm{E}\)

Teelief exports of Ningpo are tea, silk, and otha; the imports, textile iabries, opium, and is The export of tea from Ningpo has inereased man \(4,846,25+\mathrm{lb}\), in 1863, t) \(15,444,816 \mathrm{lb} .\), Rinad at \(1,312,1101\)., in 1867 ; nud Mr. Consul Fifuck states that Ningpo is now asserting her Hund inght to le the tea depot of the province WChe Kiang.
La l8j, vessels of in all \(\mathbf{1 8 5 , 0 8 2}\) tons entered te pat; while, in 1866, \(\mathbf{6 5 4} 4\) vessels of 191,083 ins; and in 1865, 910 vessels of 258,247 tous, vatrol.

lingpo was scriously injured br the Tacping
ratlion, nod its commercial importance has dedined since Shanghai has risen to the emimone of a great comuersial city, (Consular Rports \& \& C.)
MiRe. [Saltpetae.]
SOTE PROMISSORI. [Bank-Basking.] SCT or MAZEL, NUT (Ger liaselnuisse; Fr. miette, avelines; Ital, noccinole, avellane; (an, avellanas; Port. avelăas: Lat. avellanx). be fruit of different species of Coryli, or bazels. he temels have a mild, farinaceuus, oily taste, ricabbe to most palater. a kind of eliocolato
bas been prepared from them; and they have sometlmes becin made into lread. The expressed oil of hazei nuts is little inferior io, that of almonds. liesides those raised at home, wo import muta from diflerent parts of lranee, Portugal, and Spain, but prineipally from the latter. The Spanish nuts in the highest estimation, thongh sold under the name of larcelona nuts, are not really shipped at tbat city, but at Tarragona, a little more to the south. The annual average export of muts from Tarrarona is from 25,000 to 30,000 bags; of \(\&\) to the ton. The a orate price here in 1867 was liss. per bishel. In 1867, 279,991 bnshels of hazel nuis, valued at 196,9981 ., were imported. The duty, which was redheed in \(185 \%\) to 1 s , per bushel, was abolished in \(186^{2}\).
NU'S' (GROUND) (Arachis hypogaa), known in French commerce as aruchides, in America as pern-nnts, and in Afriea as mundubin, the fruit of n papilionaccons plant, rising te the height of about 15 inches, being very like the tielit pen, with yellow tlowers. The brauches after tlowering bend down till they tonch the ground, into which they work themselves, and upon them grow the pods that contain the muts. When the nuts are ripe, the plant dies. It is then pulled up, and the nuts which adhere to the twigs are collected. The pods, which are of an elongated figure, about \(\frac{3}{f}\) inch in length, and \(\frac{1}{2}\) inch in circumference, and brittle, usually contain 2 nuts, but sometimes only 1 , and very rarely 3 . They are elliptical at one end nud flattened at the other.
Ground nuts are grown in light sandy soils in most tropical conntries. They have been used as food from time immemorial in Africa, India, Brazi!, and other parts both of South and North America. The best are raised on the banks of the river Gambia, where they are extensively grown in large fields, the ground being prepared fir their reception by the natives after the sude fashion of the comitry. The plant is very prolifie; it is alse said to be highly exhaustive of the soil, though this is, perhaps, questionable.

Ground muts yield large quantities of nil ; and sinee 1840 they have been grown in Afrien as an nrticle of commeree, and are now largely exported for crushing. A mill for expressing oil from them was constructed in London in 1835. But the French (Government havins a few years after imposed high duties on most descriptions of oil seeds, the oil crushers of Marseilles and other towns endeavoured to find out seeds not included in the tariff, or less heavily taxed than the others. They were thas led to import arachides or ground nuts, which they forind to answer extremely well. France has, in consequence, become the great market for this peeutiar product. The exports from the Gambia, which in 1835 did not execed 47 tons, had inereased in 18.51 to not less than about 12,000 tons. Of this quantity about 800 tons went to the United States (where they are eaten at dessert, roasted, as are chestnuts elsewhere), 700 to Eingland, and the rest to France, principally to Marseilles. In the year \(1866,1,309,097\) bushels of ground nuts, valued at 130,910L., were exported from the Gambia; of these by far the largest portion (1,067,716 bushels) was slipped to France, 143,227 to the United Kinglom, and 7,839 to the United States. The ground nuts of the Gambia are now (1868) sulject to an export duty of \(3 d\). per bushel. The total imports of arachicles into France in 1863 amounted, nccording to the official returns, to \(44,713,486\) kilogrammes or 44,668 tors, while our imports of ground nuts in 1867 were 1,620 tone, valued at \(26,446 \%\), and we also reccived other nuts and

tmen tree condoth , Supposing the whe
 eree, and down to the It monopoly, matars ted in the sholl. The merce is left th thits e practice, which Ir. Ctawfurd. (Easton
he Dutch has redu nere trifle, compare: ave lieen. l'hey has possible, exerted them 3 nutmeg plants every The aboriginal adam en expatriated, and t lers from Ilolland, unde 'hese persons have alus and prepare the nutme? dtivator are all fixed erves to be mentioned, 2 ; striking illustrations nonopoly, that the tixe ent is now obliged to ies greater than the pr when the trude was fir ow so enlighteneds s that of Holland sho h seandalous abuses, mo stablished a free system 1 other possessions. rates the produce of at \(600,000 \mathrm{ll}\). of nutme aace. (Possessums \({ }^{n}\). the Euglishhadposes: atmer plants wete catr and some of the Weet ing they have altopether fuil Its any useful purpose: ad in cousiderable quan ang and Beucoolen. eges that the enst of brim there so high, that the are in the native conutr antly destroy this untia ( industry. (Eastern.In
egs was reduce per lb.; and the quant imption have since tap \(181,061 \mathrm{lb}\). nutmeegs n. In 1853 the daty and to \(3 d\). and sd . per limegs in the shell and pealed in 1862 . TRIA. The comme ( Myopatanus Bonan ypou of Maluas and II France, the skins old under the bane of and they are importo their appellation, most osed similarity of the them, in appearani - Spanish name ormot a speaks of the cojo the size and colour
used in the hat man withia the last 90 y considerable commg orts tluctuate conider to \(1,125,212\) sinis ; muck less: in 1849 .
monumed to 212,733 . In 1867 they were only andiv from ltaly and the Argentine Confederation. Those catered for bome consumption formerly paid , dutr of ls, per 100 skins. This has been reyad since 186. [lú Trade.]
The coypon or quoiya is a native of South Ampica, very common in the provinces of Chili, Bunens Arres, and Tueuman, but more rare in pramay. In saze it is less than the beaver, rsin it resembles in many points. The head is weye and depressed, the ears small and rounded, we lied stout and short, the muzzle sharper than the of the beaver, and the whiskers very long ad tiff. There are, as in the beaver, 2 incisor wholar, above and below-20 teeth the limbs are short. The fore fect have andis fingers not webbed, the thumb being very indl: the hind feet have the same number of was: the great toe and 3 next toes being joined of 1 web which extends to their ents, and the trite the being free, but edged with a membrane aits inner side. The nails are compressed, long, aded, and sharp. 'The tail, unlik: that of the wres, is long, round, and hairy; but the hairs kon numerous, and permit the sealy texture of te stin in this part to be scen. The back is of a tnsuish red, which becomes relder on the flanks : twa blly is of a dirty red. The edges of the lips wlestemity of the muzzle are white.
Like the beaver, the eoypou is furnished with two kindeffir ; riz, the long ruddy hair which gives the the of colour, and the brownish ash-coloured latitiblase, which, like the down of the beaver,
is of much importance in hat-making, and the cause of the animal's commercial value.
The habits of the coypou are much like those of most of the other aquatic rodent animals. Its principal food, in a state of nature, is vegetable It affeets the neighbourlood of water, swims perfeetly well, and burrows in the groumd. 'The female brings forth from 5 to 7 at a time; and the young always accompany lier.

The coypon is casily domesticnted, and its manners in eaptivity are very mild.

We are inlebted for this account of matria-the first, we believe, thant appeared in any Eucrish work- to the late W. J. Broderip, lisid., F.R.S. \(\& e\)

NUX YOMICA (Fr, noix vomique; Ger, kriihenaugen, brechnisse; Hin. kaachla). The fruit of a specics of Strychnos, growing in various places in the last Indies.
The fruit is about the size of an orange, covered with a smooth erustaceous yellow bark, and filled with a fleshy pulp, in which are imbedded several orbicular thatted seeds, abrat \(\frac{3}{4}\) inch in diameter. Nux vomica is inodorous, and its taste, intensely bitter, remains long on the palate. It is known as a very virulent poison, its properties depending on a peculiar alkaloit, called stryelnia. A suspicion has, however, been entertained, that it has been used in porter breweries; but its introduction into them is prohibited under heavy penaltics. In \(1865,9,033\) cwt. were imported, and 1,147 ewt. in 1867. (British Phurтасоркіи, 186 i ; \&c.) \(^{\text {( }}\)

\section*{0}
\(0: K\) (Ger. ciche; Dutch, eik; Dan. eeg ; Sride ek; Fr. chêne; Ital. querein; Span. roble, aralllo; Port. roble, carvalho; Russ. dub; Pol. du: Lat. quercus; Arab. baalut). There are sereal vanieties ot this valuable tree; but the vmon Eaglish oak (Quercus robur) claims prewece of every other. The oak timber imported the dmerica is very inferior to that of this watre: the oak from the central parts of Europe edo inferior, especially in compactness and regicance of cleavage. The knotty oak of England, the 'unwedgeable and gnarled oak,' as Shakepate culled it, when cut down at a proper age, iste best timber known. Some timber is harder, sme moredifficult to retd, and some less capable dibeing broken across, but none contains all the thre qualities in so great and equal propertions; wh thus, for at once supporting a weight, risting a strain, and not splintering by a cannon sot, the timber of the oak is superior to every obet.
A fine oak is one of the most picturesque of thes; it conveys to the mind associations of great tregith, and of all but endless duration. It tands an aguinst the blast, and does not take, like Chet trees, a twisted form from the action of the minds, Excepi the cedar of Lebanon, no tree is 6. rmarkable for the stortness of its limbs: they do not exaetly spring from the trunk, but divide tran it; and thus it is sometimes difficult to know which is stem and which is branch. The twisted hanches of the oak, too, add greatly to its beauty; ned the horizontal direction of its boughs, sprenduf crer a large surface, completes the idea of its wrereignty over all the trees of the forest. Even I decayed oak, such as that described by perier-

StII slad whith reliques or \(\begin{gathered}\text { dry } \\ \text { troph and des old. }\end{gathered}\)
Lifting to heaven tis aged, hoary head.
Whose foot on earth lias got but feeble hold,
strikingly beautiful.
The oak is raised from acorns, sown either where the oak is to stand, or in a narery, whence the young trees are transplanted.
'i'he colour of onk wood is a fine brown, and is familiar to everyone; it is of different shades; tinat inclined to red is the most inferior. The larger transverse septa are in general very aistinet, prolucing beantiful flowers when cut obliquely. Where the septa are small, and not very distinet, the wood is much the strongest. The texture is alternately compaet and porous; the compact part of the amual ring being of the darkest colour, and in irrecular dots surrounded by open pores, producing beautiful dark veins in some kinds, particularly pollard saks. Oak timber has a particular smell, and tue taste is slightly astringent. It contains gallic acid, and is blackened by contact with iron when it is damp. The young wood of English oak is very tough, often cross-grained, and diffieult to vork. Foreign wood and that of old trees are more brittle and wor zable. Oak warps and twists much in drying ; and, in seasoning, shrinks alout \(\frac{1}{35}\) of its width.

Oak of a good quality is more durable than any other wood that attains a like size. Vitruvius says it is of eternal duration when driven into the earth: it is extremely durable in water; and in a dry state it has been known to last nearly 1,000 years. The more compact it is, and the smaller the pores are, the longer it will last; but the open, porous, and foxy coloured oak, which grows in Lineolnshire and some other places, is not near so durable.

Besides the common Britinh oak (Quereus
olner). the sessile-fruited bay oak (Quereus robur) the sessile-fruited bay oak (Quereus
sessilifora) is pretty abondant in several parts of tangland particulariy in the north The wood of this speeies is said hy Tredgold to be darker, heavier, harder, mind more clastic than the common oak; tough and dithicult to work; and very subject to warp and split in seasoniug. Mr. Tredrold seenss disposed to regard this species as superior to the common oak for ship-building. But other, and also very high anthorities, are opposed to him on this point; and, on the whole, we shonld think that it is sufficiently well established, that for all the sreat practical purposes to which oak timber is applied, and especially tor ship-building, the wood of the common oak deserves to be prefierred to every other species. A well-informed writer in the Quarterly Review has the following remarks on the point in ques-tion:-
' We may here notice a faet long known to botnnists, but ot whieh our planters and purvecors of timber appear to have had no suspicion-t hat there are two distinct speeies of oak in Fingland-the Quercus ;obur, and the Quercus sessiliflora; the former of which affords a close-grained, tirm, solid timber, carcly subject to rot; the other more loose and sappy, very liable to rot, and not half so durable. This difference was noted so carly as the time of Ray; and Martyn in his Flora Rustict, and Sir James Smith in his Flora Britonnien, have added their testimonies to the fict. The secom! species is supposed to have been introduced some two or three age ago, from the Continent, where the oaks are chiefly of this fatter species, especially in the liemmin forests, the timber of which is known to be very worthless. 13ut what is of more importance to us is, that de facto the imposture abounds, and is propagated vigorously in the New Forest and other parts of limpshire; in Norfolk and the northern comnties, and about London; and there is but too much reason to believe that the mmerous complaints that were heard about our ships being infected with what was called, improperly enongh, dry rot, were owing to the introduction of this species of oak into the haval doek-yards, where, we understand, the distinetion was not even suspected. It may thus be discriminated from the true old English oak: The acorn stalks of the robur are long, and its leaves short; whereas the sessiliflora has the acorn stalks short, nud the leaves long: the acorns of the former grow singly, or seldom 2 on the same footstalk; those of the latter, in elusters of 2 or 3 close to the stem of the branch. We believe the liussian ships of the Baltie, that are net of larch or fir, are bilt of this species of oak; but if this wero not the case, their exposmre on the stoeks, withont cover, to the heat of summer, which, though short, is excessive, and the rifts and chinks which till up with iee rud snow in the long winter, are enough to destroy the stoutest oak, and quite sutlicient to account to: their short-lived duration.'

A great deal of enquiry and discussion has taker. place at diflerent periods as to the supply and consumption of oak timber; but the results have not lieen very satisfactory. In a Report of the Commissioners of Land Revenue, printed in 1812, it is stated that, taking the tonnage of the nnvy in 1806 at 776,087 tons, it woull require, at \(1+\) joad to a ton, \(1,16 \cdot 4,085\) loads to bnild such a navy, and supposing the average duration of a ship to be 14 yenrs, the annual quantity of timber required would be 83,149 loads, exclusive of repairs, which they calculate would be about 27,000 londs; making the whole nbout 110,000 londs: of which, howerer, the comnissioners reckon may be fur-
nished 21,341 loads as the annual average of the prizes: and of the remaining 88,659 loads, the think it not unrensonable to calenlate on 28,6 from other sources than l3ritish oak. 'This,' the observe, 'leaves 60,000 loails of such mak, the quantity which would be sullicient ammall to suppert, at its present unexampled masnituly the whole British navy, iucluding shibs of war a all sorts; but which may be taken ns entuivale together to 20 14-gun ships, each of which, on with another, coutains abont \(2,0(\mathrm{H})\) toms, or woul require, at the rate of \(7 \frac{1}{2}\) loails to the ton, 3 un loads; making just 60,000 loads for 10 ships.'

Now, it has been supposed that not more that 10 onk trees call stand on an acre of ground, ni, to grow to a full size tit for ships of the line, , , contain each \(1 \frac{1}{2}\) load of timber; 50 acres, then fore, would be required to produce a sufficie guantity of timber to build a 74 -gun ship, 1,000 aeres for 20 such ships; and as the requires at least 100 years to arrive at maturity 100,000 aeres wonld be required to beep up a cessive supply, for maintaining a havy of fon or 800,000 tons. The commissioners further serve, that as there are \(20,000,000\) acres of wa lands in the kingrlom, a 200 th part set aside planting would at once furnish the whole qua ity wanted for the use of the navy.
Secording to Mr. Barrow; this ealculati over-rated by abont a half. 'In the fint pir snys he, 'it supposed a state of pernetual in diring which the tonnage of the wbole nav considered as more than double of what it netually is: and, in the second place, it reed the average duration of the navy at 14 yats on whieh, from the improvements that have ta place in the construction and preservation of sh of war, with the resourees of teak ships build Iudia, we should not hesitate in ascuming at average of twice that number of years; and the quantity of oak required for the nave be nothing like that which the commissioners stated.
'The faet, however, is certain, that hony h the cenclusion of the late war, a scatcity bera be felt, expecially of the larger kind of timbe for ships of the line; and so great was this scare that if Sir Robert Seppings had not contrived means of substituting strajght timber for that different forms and dimensions, before consid to be indispensable, the buitding of uetr s must entirely have ceased.
' If, however, the growth of oak for shiptia was greatly dimitished during the war, sols hreaten an alarming scarcity, there is linled that, from the increased attention paid by viduals to their young plantations, aal theits extension, as well as from the measure of allaoff portions of the royal forests to those who claims on them, and enclosing the remainde the use of the public, this country will, in if times, be fully adequate to the production of cimber equal to the demaad for the naral mercantile marine.' (Eney. Brit, att, 'Sosy
The bark of the osk tree is very rald It is preferred to all other substances for purpose of tanning, and briugs a bigh -13nरк.]
Formerly, Prussian oak was nuch more rav than Canudian, in the proportion of 9 to 6 of late years the value of I'russian oak hasia and Canadian timber is worth much mone Prissian. In 1865, the last year tirou which the timber duties prevailed, the f ing imports of oak were fixed at the annexed:-
the annual average of the maining 88,659 loads, then able to calculate on \(2 x, 659\) n British oak. 'This,' they 000 loads of such wak, rould be suthcient anmualls. ?nt imexampled magnitude \(y\), ineluding ships of war il nay be taken as equivalcot ships, each of whims about \(2,0(6)\) toms, or wond of \(7 \frac{1}{2}\) loads to the ton, \(3,2,4, y\) 60,000 loads for 20 such
prosed that not more that on an aere of grommel, so it for ships of the line, or: of timber; 50 acres, thare ed to produee a sufficies build a 74 -gun ship, che ships; and as the ears to arrive at maturity required to keep up a suid intaining a nave of 7impor commissioners further sh e \(20,000,000\) acres of wa , a 200tlı part set aide e furnish the whole qu e of the nayy. Barrow, this calculation half. "In the tirst phac a state of perpetual wa age of the whole aary an louble of what it ad e second place, it recke f the navy at \(1, \frac{y}{}\) carsonl ovements that have tak on and presersation of shi rces of teak ships built esitate in assuming at umber of years; and if equired for the nayy ich the commissiuners
is certain, that loag b te war, a scarcity beran e larger kind of timber d so great was this scarc ings had not contrived traight timber for that leusions, luefore conside be building of new si sel.
whth of oak for shintim d during the war, so at :arcity, there is littleda d attention paid by olantations, and theirg in the measure of allot 1 forests to those who closing the remainder his country will, in ful to the production of emand for the naval Sncy. Brit. art. 'Mary ik tree is very valu other substances for nd brings a bigh
k was nuch more sal roportion of 9 to 6 f Prussian oak has 3 worth much alore je last year throum es prevailed, the fo ere fixel the


The imports of oak timber have greatly inereased empris were ouly, on an averares \(1836-18: 1\), the wour imports of oak were 6 axe \(, 3,583\) londs. In hewis contributed 20,42l, and Couads, of which Perfurther details with respect to tha 32,109 . wof oak, its price de., see Timnes the importaWhtyll's Principles of Carpentry: See, also, a the Encyc. Brit.; the very iny; art. ' Navy . a Timber Trees and Fruits, in thesting work Enertining Knowledpe: Hices's Cuc Library of OITS (Ger, hufer; Dutch, havelopadia; \&c. Whithafe; Fr, avoine ; Ital. veun ; Dan. havre ; ran: Port avêa; Russ, owes; po avela; ; Span! wide of grain, the Arena sativol owies). A Wra are innumerable varicties of botanists. mperf which are said to be indiigenous this grain, disthe hardiest of all the cercal sruaxdy in cold northeru clinasses, growing wemonatainous districts, wherentes, and in muthly cau be adrantageonsly culther wheat arrs bost, and is, indeed, chielty coltivated. It whanth of Paris ; being but y raisec, in latithe suth of France, Spain, or hittle known in Hantenitizated in lean, or Portugal. It is, defreflatitude, and it isa, so low as the 25 th wask in scotland, where it with consillerable rasyud part of the fooll of the peong formed atpmerally cultivated than people, it is far aiii. It is also very extensivelher species arend In England it is enswely coltivated axtern countics, ond iztioden, Cambridge, and Norfork: Lincoln, med Sorthumberland nand Scotlands; but the woirto those raised firther sound are reckoned Rexare 4 leading varietier south.
rast in Englaud, viz, white of this grain cultitrenred oats. The white, whek, grey; and pamenens, That denominated the of the white zyentalmost the only one raised potato oat is Whate of cultivation one raised on land in a zuth suth of Scotland, and north of England teprice in the Lonilon, nararket thally brings a wif. It was accidentully discovern any other thid o p potatoes in Cumberland in 1 growing athe proluce of that single stalk 1788 ; and was the stock now in gle stalk has been und gey oats are lit general cultivation. map paces in the are little cultivated, excen. diefy couthe north of Scotland. The ept diufurdshire. A species of aruf called pillar is raised naked oats proand incyc, of Agriculture ; in Cornwall.
 (Witi, 1r, Charles Smit
4Monsumers of oats in England and the num-
4.3. (Tracts on the Englaud and Wales at 4.4) But at present we believe the, 2ud edit. Scasbly fever. The fealing of they are very cofocasioned the fealing of horses has at sunthispart of the kiargdon; and anplition of Wartls kept for business and as the num-- rastly increased wisthin the lass and pleasure has mathe culture of ontstsin has the last 30 or 40 mast deotrithstanding has been considerably minandies merhaps the produce of Wis faries more than that of onts of no speecies Wis foul and exhausted, not more than the 20
bushels nn Ocre ODESSA
well mauared, are obtained; but on 900 aud unavardecl, 64, 72, and semetimes rich soils, \(3 \overline{3}\) to 45 prds liave been reaped sometimes 80 bushels meal 45 lb . per bushel, vielding. Oats weigh from meal for i. llh, cora, butt the pat an average, 8 ll . Inceates as the oats becone herportion of meal chictly fron we imported 0,du7 1ar. cirt. were ent Sweden and Russin, cwit. of oats,
 at 4,319,9081., and paying duty to to thon, ralued to the extent wt importation and exportation of regulating the a series of a series of years, see Cons exported de., fort
 OHESSA
the north-west seaport of Southern Russin, un The rivers Dincister and of the Black Sen, between N., long. \(30^{\circ} 43^{\prime} 22^{\prime \prime}\) E. Aup, Bug, in lat. \(46^{\circ}{ }^{\circ} 28^{\prime} 54^{\prime \prime}\) 120,000 . The foundations ef ation, in \(1865{ }^{28}\), about so lately as 1792, by order of Odessa were haid rine, after the peace of Jof the Empress Cathahussian as all entrepôt for the it was intended Sinssian dominions on the the commereo of the of Azofi: But bens on the Black Sea ereo of the at a very considerable the the verge of an arid phail to the sea of Azott austance from the eut plain the great rivers beft, and even from the the entrance clonlet whet rivers between which it the mouths of its selectither much judgment it is situated, we its selection. It has, indeed, the was displayed ine vantage of having an indeed, the important aut
with with deep water and rood anse bay or roadstead is, hovever, exposed to thanchorage. The bor: Which renders it less sofe in sonth-ensterly wind Which is artificial, being forme winter. Thie port, of which projects to a consided by two moles, one the sea, is fitted to a containderable distange into has the advantago of contain about 300 shinss. in be gradually filling of deep water, but is soid it lazaretto, on thing lip. There is a convia to want of fresh model of that of Marseilles. The There are no trees in the a great disadvantare consequence, a bleas in the vicinity, which hans, Mr. Mate, a bleak and arid appearaich has, in ports on the Math, formerly consull for the
morts on the Black Sea, made the for the Russian
-The with respect to Olessa :-
arded condition of the
to the , and the bad state of the city, and of its timely remer, must pltimately roads leading now y remedies are applied) th affect (unless now enjoys, as the applied) the commerce it grain-growing provinces of nutlet of the great 'The town is provinces of Russia.
ently lighted by a faved, undrained, and ineffici winter, and the clouds of lamps; the mud in the couds of dust created
-The supply of strects nlmost impassab the wholly indequt vater, which cach masie. and canal over 30 and bad, althoneh must buy, is the waters over 30 miles of level pleng an aqueduct pay furers of the Dneister to Odian would bringr pay for itself in three yster to Odessa, and would Sessarabian produce. years by the carriage of The hartorinee.
any efforts to prevent it and filling up, withont avoid the couviction that and it is impossible to desire, by the neglect of the Government must prosperity of Theoct of Odessa, to promote the nilitary policy, heodosia, which, for reasons of the terminus of has beeu preferred to Odessa or But though this grate of thos Railway,' discreditable to the state of things be sulficiently pality, there is not, we berliment and the municisurmise that Odessa is believe, any ground for the lected. Its position is being intentionally uer able, either position is not, in truth, very f negview; and an amporinn at or ammercial favour-

Yenikale would be at once more secure from hostile attack, and better situated for the trade of the southern provinces of the empire. Odessa has, since December 1865, been connected by a milway of 200 verstes with Balta in I'odolia; there is another between Odessand Tiraspol; nud it is probable that her connection by rail with St. l'etersburis may be completed in 1870.
There is a lighthouse on Cape Fontana, about 2 leagues south of the town, lat. \(46^{\circ} 22^{\prime} 29^{\prime \prime}\) N., long. \(30^{\circ} 45^{\prime} 28^{\prime \prime}\) li.. It was newly huilt in 18611 . And a second on the end of the ( \(u\) arantine mole, lat. \(46^{\circ} 29^{\prime} 23^{\prime \prime}\) N., long. \(: 30^{\circ} 44^{\prime} 56^{\prime \prime}\) E. The latter gives a red flash every minute, and during the day a yellow tlat is hoisted.

Not being at the mouth of any great river, nor having any considerable manufactures, Odessa is not a port for the exportation of what may be called artieles of native growth; but in consequience of her situation, excellent port, and the privileges she enjoyed dowa to a late period, she has become the emporiut where a large part of the produce of Southern Russia destined for foreign countries is collected for exportation, and where most part of the foreign articles requirel for home consump. tion are primarily imported. The shallowness of the water at Taganrog, and the short period during which the Sea of Azoff is navigable, tend to hinder foreign vessels of considerable burden from entering the Strait of Yenikale, and occasion the shipment of a considerable portion of the produce brought down the Don in lighters to Caffin and Odessa, especially the latter. All the products brought down the Dneister, the Bing, and the Dnieper, are exported from Odessa; but owing to the difficult navigation of the first and last mentioned rivers, by far the greater part of the corn brought to Odessa from Podolia, Ukraine \&c., was, prior to the formation of the railway to Balta, conveyed to the town in carts drawn by oxen. The post roads are very bad; and nothing would contribute so much to increase the commerce of the port, and the prosperity of South Russin, as the opening of improved communications with the interior; whether by removing obstructions in the channcls of the rivers, constructing canals, or railways, or good common roads.

Moneys, Weights, and Measures, and Tariff, same as at leptensnuig.
The privilege of a free port conferred upon Olessa in 1817, was permitted to expire in 1856, lint the change in the tariff in 1857, and the abolition which has taken place of the quarantine system, might, had they been accompanied by other necessary changes, have compensated or more for the abolition of the peculiar privileges enjoyed by the city. Mr. Consul-General Grenville Murray, in his Report of April 2, 1866, says that 'the administration of the law excites constant, serions, and well-founded complaints.' But he adds that 'it is impossible to avoid remarking the constantly increasing civilisation and general prosperity of this country.' The paving of Odessa with granite progresses, though slowly, the city has been lighted with gas; and a canal is projected between Olessa and the Dnieper. The new tariff, which came into operation in January 1869, though still illiberal, is a decided improvement on its predecessor, and will no doubt give an impetus to the trade of Russia.

The great Articles of Export from Odessa consist, as everyone knows, of the raw products of the soil, especially of wheat, and other varicties of corn. But cattle, wool, tallow, hides, and linens are also important articles; and to these have to be added potash, copper, caviare, cordage, wax, saileloth, tar, butter furi, isinglass \&c.

We subjoin an account of the quantity of principal articles exported from Olessa in \(\mid x \in \psi^{\prime}\).
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{2}{|l|}{Articles} & Quantity & diue \\
\hline Wheat & - \(\mathrm{q}^{\text {r. }}\) & 1,593,21! & 析 \\
\hline llye \({ }^{\text {lne }}\) : & - " & 10):21 & 201,667 \\
\hline Ilarley & \(\therefore \quad \ddot{ }\) & S 14.901 & \% \(1,(m)\) \\
\hline Gats & " & 6, 6 &  \\
\hline P'cas & \(\because\) & 26,1\% & 64.10 \\
\hline 1.inseed & - &  & cent \\
\hline Wape setd & : " & 36, 21 & 30,4 \\
\hline Four & \(\therefore\) cwt & 73,149 & (23.14) \\
\hline '1allow & - crit. & 139.piti & 1.66, \({ }^{\text {a }}\) : \\
\hline llades and skins & - " & 1 , \({ }^{12}\) & 148,116 \\
\hline Total & - & .. & 1/4in \\
\hline
\end{tabular}

Value of imports at the port of Odess in \(1,827,8667\). 'These consisted prineipally of cof oil, wines, fruit, tobacco, iron and jron plat cotton, silk, and woollen goods. The expents 1865 were valued at \(5,075,4981\)., and in that y 1,362 vessels, of 583,210 tons, entered the port.

The value of the imports and exports Great Britain in 186.1 was \(1,196,465 l_{1}\) or upinw of one-fifth of the whole.

Regular lines of steamers ply between 0de aud Galacz and Constantinople, the hater bei of course, connected with all the leading fort Europe.

The exports of wheat from Odema in amounted to \(2,016,692\) quarters. This imme exportation, the greatest ever previonsly made any one year from any one port, was a ceateque partly of the abundant harvest of the prer year, and partly, and perhaps principally, of scarcity and high prices which then prevaled this country and other parts of West Eur which made every bushel be shipped that of possibly be spared. But ln 1853, the year be the late war, the exports were still ghe having amounted to \(2,160,000\) quaries. Ther here, in truth, the greatest possible variation the harvests. Everything depends oa the sea In proof of this allegation we may reide statement by Tegoborski, who says, that in estates of the Duke of Auhalt Kocthen, Taurida, in the 10 years from 1832 to 8811 , harvests returned 15 times the seed, othes ba the seed, and that one entirely failed. (Fg productives de la Russie, i. 380.) Nature all, man littie or nothing. Agriculture is in most backward state imaginable. No effog made to obviate the effect of droughts and a And owing to the badness of the roads of py and the difficulty of river carriage, a conside portion of the produce of a luxuriant crep brought to market or warehoused, but is all to go to waste. Sume improvements hare doubt, been effected, and others are in prog but they are inconsiderable compared mith they should have been, and with what they have been were the policy pursued by forem caleulated to develop the resources of the and fruitful countries of which Odess emporium.
Observations on the Trade of Odessa in 1 'The exportation of rye from this port has time been otherwise than very limital raised for local consumption, beiag the chief of food of the people, and not like wheat \(r\), grown with the sole view of exportation quantity of rye shipped last year wis quarters, the whole of which went to the nor ports of continental Europe. The priwe from \(10 \mathrm{~s} .5 d\). to \(17 \mathrm{~s} .5 d\). per imperial quater it was the highest quotation that prersiled end of the year. Indian corn is bemme an of exportation from Odessa only witbing ferf It is the produce of Bessarabia, where its ell
he port of Odessa in \(1 \times 8\) isted primeipatly of ecfif co, iron and iton plat en goods. The expots 075,4981 ., and in that yo 0 tons, entered the pori. imports and cxports foo was \(1,190,4651\) or upina le. zamers ply between ole antinople, the latter beis ith all the leadiag poth
heat from Odesa in 12 quarters. This imme test ever previously mad y one port, was a ccosiqua ant harvest of the perin 1 perhaps priacipalle, of ices whach then prevaled ,ushel be shipped that o But in 1853, the yeat to exports were still ghe \(2,160,000\) quarters. The greatest possible carintion thing depends oa the seas llegation we may rete borski, who says, that ia ke of Amhat hocm times the seed, other to one entirely failed. ( Fa Russie, i. 380.) Xature thing. Agriculture is te imaginable. No efily effect of droughts and adness of the roads on river carriage, a ansid tee of a luxuriant corop or warchoused, but is all ome improvements hare , and others are in prgg siderable compared with cen, and with what ther oolicy pursued by Goveru op the resources of the fies of which Odess is

Le Trade of Odessa in 18 rye from this pon has se than vey the chied amption, beiag whet, rim e view of exportaion hipped last year 5 se of which went to then Eurone. The prim 5d. per imperiss quatired fuotatioa thst pros idian corn is bevura all Odessa gly witina fer Odessa ealy where its

tinh busof late heea mueh extended in consequence dids demand for Ireland. The quantity shipped a the rear was 98,252 quarters, nll tirected to (th or Fas id. to 1ass. Id. per imperial guarter; aud min lis. was the last quotathon. The quantity maning at cranary was, after revision, fomm to rainmin quarters, ill in the hands of exporters. The supplies of harley and onts have as usual benlinited to lucal consumption.
- The exportation of linseed is stated in the iutur-honse report to be 47,875 quarters; whereIf that that 51,369 quarters were shipped tor Whanl, and 17,001 for continental ports. The bi kins having been grood, and grown on the arteppe lands, a large supply of the new seed wis leev already brought to market, and the amity on the spot is estimented to be about * wow quarters, all in the hands of shippers. The pacs ragrel from \(28 s .1 \mathrm{~d}\). to \(3 \bar{s}\) s. 11 d , per imfil quarter. Latre purchases were made last amuth the crushers of ILunt, for delivery next smon fom the Sca of Azoll and this port; and phat present circumstances both buyers and wher are menaced by loss, for in England mie are declining, whilst on this side antimavions of extraordinary abandance have been hasponined.
The tallow trade of these ports has not rened not is it likely to to so for some time, or till the onntry recovers from the immense lass of crde carrich away of late years by the distemper
Thessortation of wool suffered a considerable derwat haring amonuted only to \(50,748 \mathrm{cwt}\). of all ink huscad of 70,581 cwt. in the preceding rear: Io England were shipped \(14,378 \mathrm{cwt}\); to be marthern coatinental ports 18,492 cwt. ; and wrmander to the Mediterranean, The sheep dak have been thinned by consecntive seasons didaght and deficient pasturage ; and the trade bed late been more inthenced by the demand gr be manufactures of Moscow. The prices are ierp at their hiphest quotations, and they are thaterafected by the anticipated disturbance of Whar in Australia,
The anount of shipping did not much differ ba bat of 1850 ; 698 vessels arrived, measuring KRil8 toas, of which 126 were British, burden Fiajl toss: and 729 vessels measuring 203,842 Wadeparted, of which 130 were British, burden Qiasthas. Of the 242 vessels bound to England riduargoes 110 were british. The preference pitil given to our tlag, particulnrly in the boistrins seasons. The Austrian ships of the Adriatic whowere, in great favour, especially for grain arge. The rates of freights to England varied
 laper imperial quarter; and the highest rates arsiled during the last three months, offering a an temuseration to shipowners. The average uhange ou London was 6.30 rs. for the pound teing. The money market was generally easy, withimited operations; and credit is at preseut mad, though restricted in consequence of the ghat hases incarred in the grain trade by the wrek houses. It is worthy of remark, that not pe of these bouses has fisiled, notwithstanding befir selere trials.
A tribunal of commerce was established at Nesss in 1824, whose jurisdiction extends over dispates connected with trade. There is no preal from its decisions except to the Senate. bere are 12 sworn brekers, approved and licensed the Tribunal of Commerce, who have deputies poialed by themselves. They register all transfions, and receive \& per cent. from each party
as commission. There is a discount or loan bank, established in 1828, mul marine and fire insurnme sucietics. Most artieles of provision are cheap; and tish, which costs next to nething, is excellent. Fum, however, is scarce and dear.

Within the last 40 years the Merino breed of sheep has heen extensively intruluced into the governments of Tanrida, Cherson, mud Liknterinoslav; so that there has been not only a great increase in the quantity, but also a very tecided improvement in the qiality, of the irool axpurted.

Corn Trade.-The priwiphl trade of Odessa is with Constantinople, Smyrna, and other towns in the Levant, Nuples, Leghorn, Genoa, Marseilles \&c. '1t is genernlly stated,' says Mr. Jacob, (Memoir on the Trade of the Black Sea, in the Appendix to the 8vo. edition of Tracts on the Corn Trade), 'that the supply' of Constantinophe requires annually 100,000 quarters of lhack Sen wheat. The Greek islands scarcely, on the average of years, produce sufficient wheat for their own consumption, and, in some years, require a lnge supply, which is furnished partly from the neighbouring centiuent, and partly from the Black Sea.
' 1 ", e Asiatic coasts of the Turkish Empire, especially in Anatolia, are nearly ir the same predicancent. At times, the market of Smyrna is very favourable for the sale of the corn of Southern Russia. The islands of Malta und (Gozo produce only about half as much corn as the 120,000 inhabitants require.
'Sicily, though it has greatly declined from its ancient productiveness, has still a quantity of grain to spare for the less fruitful parts of Italy, in most years; an!l its whent enters into competition with that of the Black Sea, in the ports of Naples, Genon, and Leghorn.'

The warehouse rent of corn at Odessa is from 8 to 10 copecks per chetwert per month. M. de Hagemeister supposes that Turkey and the difficrent perts of the Mediterranean require, at an average, an anniral supply of \(1,400,000\) chetwerts, or about \(1,050,000\) quarters. of which \(1,000,000\) chetwerts, or \(7 \overline{0} 0,000\) quarters, are furnished by Sonthern Russia, and principally shipped from Odessa. Wallaehia and Moldavia are both very fertile in corn; and were tranquillity and good order introduced into them, and the free navigittion of the Danube secured, Galacz and Brailol would be two of the principal European grain shipping ports. (See the exeellent Report of Hagemeister on the Trade ot the Black Sea, pp. 90-114, Eng. trans.)

Exclusive of corn, the other articles mentioned as being exported from Odessa find their way to the different markets in the Mediterrancan. Those shipped for Turkey are iron, tallow, sailcloth, cordage, anchors for ships of war, butter \&c. The exports to Italy and other European countries are similar.

The importation of foreign articles into the Russian dominions on the Black Sea and the Sea of Azoff is almost contined to Odessa, Theodosia or Knffa, and 'Taganrog. The value of the import trade of Russia by these two sens in 1865 was \(2,402,053 l\). It is, however, of inferior importance when compared with the export trade, valued in 1865 at \(10,287,651 l\). The principal articles of import are sugar and coffec, dye woods, wine and brandy, cotton stuffs and yarn, woollen and silk manulactures, spices, cutlery; oranges, lemons, figs, and other fruit; lemon-juice, oil, tin and tin plates, dried fruits, paper, silk, specie \&c.

Odessa, in addition to its great and rapidly increasing trade with Constantinople and the
comutries on the Mediterranean, has a consideruble trade with Redont-kale at the mouth of the l'hasis, and with Trebisond and several ports on the routh const of tho llhtek sea, lerorgian and Armenian merchants are considerable parchasers at the Leipsic and other (ierman fairs; mal civilisatlon ts legimning to strike its roots throughout all the extensive conntries between the black sea and the Caspinu. It is probathe that, at no very remote perionl, the I'hasis will be frequented by Dritish ships; anil that our merchants, withont any enchantress to aill them, ane depending only on the superior cheapuess mul axcellenee of their roons, will be haspitably received in the ancient Coldehis, and bear away a richer prize than fell to the lot of Jason and his compeers.

Eprehs in the Trade of the Bhack Sea-Depth of Water.-Difficulty of Navigution \&e.-The trade of the black or liuxine sen was of great importance in mutiquity. The shores of the C'rimen, or Taurien Chersonesus, weve settled by Nilesim adventorers, who fomded I'anticapum and Thentosin. The exports thence to Athens wore nearly the same as those which are now sent from Ojessa and Tagamrog to Constantinophe, Leghorn Ke.; viz. corn, timber, and naval stores lenther, wax, honey, salt fish, caviare \&c., with great numbers of staves, the best and most serviceuble that were anywhere to be met with. The Athenlans set a very high value upon this trade, which supplied them annually with about 400,004 medimni of corn ; and to preserve it they careftilly cultivated the alliance of the thracim princes and kept a garrison at Sestus, on the llellespont. ( See the authorities in Anneliarsis's Trutels, c. 55; and in Clarke's Connection of the Suxon and E'nglish Coins, pp. 54-64.) During the Middle Ages the Genuese aequired an asceudenev on this sen, und laboured with pretty considerable success to monopolise its trade. 'Their principal establishment was at Caflin, which was the centre of an extensive commerce. But the conquest of Constantinople by the Turks, in 1453, was soon after tollowed by the conquest of Caffa, and the total exclasion of buropean vessels from the Black Sea, which became in a great measure unknown. This exclusion was maintained for about 300 vears, or till it was opened to the ships of Russia by the treaty of Kainarigi in 1774. The Austrinus obtained a similar equality of privileges in 1784 ; anll lbitish, French \&e., ships were admitted by the treaty of Amiens. There were, however some restraints still kept up; but these werc nbolished by the treaty between the Turks and liussians in 1829; and for commercial purposes, it least, the Black Sea is now as free as the Mediterranean.

Notwithstanding the number of English and other European ships thant have visited this sea since the beginning of this century, its geography is still very imperfectly known. A notion seems to have been long prevalent, that it was not only stormy, but also infested with numerous shoals. Polybius, indeed, contends that, owing to the vast quantities of alluvial deposit brought down by the Danube and other large rivers that fall into the llack Sea, it was gradually filling up, and would become, at no very remote period, an immense morass. Dr. Clarke seems to have espoused the same theory. But, how probable soever it may appear, extremely little progress has hitherto been made towards the consummation described by Polybius. Instend of being shallow, the water is for the most part remarkably leep; with a bottom, where soundings have been obtained, of gravel, sand, and shells. A strong
current sets from the Black Sen, thrometh Bosporns, or Canal of Constantinople, int Sen of Marmora, and from tho latter, throun Dnelanelles, which it requires a fresh hreen stem. This current is sald to be sensibly in the Black Sea, 10 or 12 miles from the buth and it may probably carry off molle of the brompht dawn by the rivers. (Tournatints is du Levant, lett. 15, 10 ; art. 9 in Xi, 1 of Tourunl of the Geographical Soeicty; Macu Truvels in Turkey, vol, i. p. 2sis Parlite Pupers; © © .)

The navigation of the Mack Sea hav been r seuted by mest modern aud all anvient "t as exceedingly dangerons. W'e lelieve, laorr that there is very little foundation for the gn number of the statements on this subject. said to le particularly subject to dense frys to currents ; but the former are prevalent on particulur sensmas, and the inifuence of the ia is not greater than in many other seas which not reputed dangerous. 'hournefort, one best and most aceurate of travellers, comiluto navigation of the Black sea as safe fs that Mediterrauean: 'Il n'a rien te noir, pour aing que le nom: les vents n'y soutlent pas aiee do furie, at les orages ne sont gucres plas ftín que sur les natres mers.' ('Tome in. p. 16 ht ed.) Dr. Clarke (Travels, vol. ii. p. \(3 \times 7,8\) ro affects to doubt this: but he assiцns no gra for his opinion; and who would think of put his authority in competition with that of Tou fort? Indeed the accuracy of the statemen the Iatter has been fully established by the re reports of Captain Nixdlleton and othes atheers who have navigated this sen, llat th withott 'a hidden danger.' nny sea would be gerous to the Greek and Turkish pilote, be a the Black Sea has been principally navigated the progress of navigation were to be estin by its state amongst them, we should har conclude that it had been stationary from era of the Argonauts. Thev seddem ventur of sight, of the consts; they have neither nor quadrants; and hardly cren know that on the points of the seedle turus towards the Si ('Tournefort in loc, cit.) There is not, cettai much room for wonder at shipwrecks being quent among vessels so narigatel, On lea the Black Sea, the greatest difficulty is in mal the llosporus. 'The mountains,' says Mr. gill, 'are all so much alike, that it is dift to thetermine which of them is at the entr until you are within a very few miles of the then, with a fair wind, you are on a lee shan a lee current; and if you make a mitatie, struction is almost inevitable. The Tuth two light-houses at the entrance; but unless see them betore sunset, they are of little in the forests on its borders, great quaditio charcoal are made, and the lights from it benil and often mislend, the umhappy mariner.' (i.:'
From the vast quantity of fresh water p into the Black Sea, the saline partides ard much diluted, that, with a slight frost, the 5 face becomes covered with ice; hence, dina great part of the year, hardly sny nargation attempted. The vessels that resort to (w seldom arrive at that port before the ha end of May; and those whose cargoes \(5 ?\) completed before the end of Octobet mor quently wait the return of spring, than witen to encounter the dangers of aa autumad or mia voynge.

At Taganrog the frost commences eatiler, continues longer, than at Odessa; so that th are scarcely more than 4 or 5 months in the

Hack Sen, thrmh Jonstantinopile, into n the tatter, throngh yulires a fresh breze aid to the senxibly fele miles from the bhang ry: off sonne of the ne ers. (Touractict's Voy ; art. 9 in No. 1 of phical Nociety; Vacri \(\mathrm{i}, \mathrm{p} .21 \mathrm{~s}\); P'arlianent

Hlack Sen las been rep and all nacient wret as. We believe, hores foundation for the gre nts on this subject, I suliject to dense fing, rmer are prevalent only the influence of the ha many other seas which s. Tournefort, one of of travellers, considers \(k\) Sea as sufe as that of 1 rien de noir, jour ainsi, n'y sentllent pas aiec e sont gneires plas frénue ers.' ('lome is. \(\mathrm{p}_{1}\) 16t, curls, vol. ii, p. 3xi, 8ro. but lee assiams no groy who would think of pute etition with that of Tous curacy of the statemens lly established by the no Middleton and othet igated this sea. llut, tho "nger,' any sea wrould be d ainl Turkish piluts, by uh en principnlly navigited. gation were to be estim ot them, we should hare been stationary from They seldem venture s; they have neither th rarilly even know that dle turus towards the N t.) I'here is not, ceth ler nt shipwrecks being so narigatel. On lear reatest difficulty is in ma mountains, suys Mr. ch nlike, that it is difte of them is at the entrm a very few niles of the ons d, you are en a lee shore if rou make \(a\) mistake, incvitable. The Tuks he entrance; but untes nset, they are of little borders, great quantiti al the lights from it bem. e unhappy mariac.' (1. 2 entity of fresh water pou the saline partiches at with a slight frost, the 1 with ice; hence, durn ear, hardly any nargain ssels that resert to at that port before the lat hose whose cargoes are a end of Octubet. mats urn ef spring, than sure gers of an sutunas of wita rost commences ealier, n at Odessa; so in 4 or 5 months in the

\section*{ariat whict}
 min. Span. aceite). The term oil is appliet wimate a number of unctuons liquors, whish, bo doppell apon paper, sink into it and make iza memi-transparent, or give It what is enlled wasy tain. These bolles are very nulnerons, athe lien in ceminon nas from the imineed. Chemists have divided them into two pens: namely, rolatile and fixed oils. We borThan lint Thomas Thomson the following mant with respeet to these bodies :-
Win.atide Oits, called also essential vils, are thanuished by the following properties:-1. Luid onen slmost as liguid as water, sometimes rixd: 2. Very combustible; 3. An nerid taste distong fragrant odour ; 4. Volatilised at a anture not higher than \(212^{\circ} ; 5\). Soluble in dwal, and imperfectly in water; 6 . Evaporate rimut learing apy stain on paper.
Br bis last test it is easy to discover whether der bave been adulterated with any of the fixed a. let a drop of the volatile oil fall upon a heof writigg paper, and then apply a gentle bat oit: if it evaporates without leaving any muppon the paper, the oll is pure; but if it lare astain upon the paper, it has been conrevel with some fixed oil or other.
Toluicoils are almost all obtained from vegewhen and they exist in every part of plantshe mit the bark, the wood, the leaves, the over, ade even the fruit; though they are never poudinte aubstance of the cotyledons; wherens the fird oiks on the contrary, are almost always motimed in these bodies.
Whatbe volatile oils are contained in great demine in plants, they are sometimes \(c^{1}\) thined rimpe expression. This is the ense with oil magas, of lemons, and bergamotte; but in manithey can only be obtained by distillation. Peput of the plaint containing the oil is put manill with \(s\) quantity of water which is disIndof ly the application of a moderate heat. Pail comes over along with the water, and fins apon its surface in the receiver. By this ass abtained the eils of peppermint, thyme, rader, and a great many others, which are prewad employel by tho perfumer: others are wand be the distillation of rexinons bollies. isisisthe case in particular with oil of turpentine, Wh is otained by distilling a kind of resinous ins alled turpentiac, that exudes from the eve
Walite oits are exceedingly num.rrous. They miben long known; but as their use in checsy is but limited, they have not, hitherto, andiected to an securate chemical investiBio They differ greatly in their properties fa each other; but it is impossible at present gire a detailed account of each.
1. The greater number of volatile oils are liquid; A5, indeed, are as limpid as water, and have eof that appearsnee which we usually consider of turs is the case with the following: namely, of furpentiae, oranges, lemous, bergamotte, as, Others have the oily viscidity. It varies then ia all degrees. This is the case with the
of maee, cardamom, sassafras, cloves, cinna-
0. Others have the property of becoming solid.
seed, balm. ©the the cils of parsley; fennel,
seed, Thalm. Others crystallise by slow evapo\({ }^{\text {ton }}\) This is the ease with oil of thyme, peppert, matjorsm. The eil of nutmegs has usually Wansisteace of hutter. This is the case also the oils of hops and of pepper.
ns their other properties. A freat number ure limpld nud colourless; as oil of turpentine, laventher, rosemary, savine, anised: some are gellow; as spike, hergamotte: some are brown; fis thyme, savory, wormwood: others blue; as comomilo, motherwort: others green ; ns miltioil, pelpur, hops, parsiey, wormwood, énjeput, juniper, salfe, valerian: others, though at lirst colourless, become yollow of brown by age: as cloves, cinammon, snssafens.
3. The odours are so various as to defy all description. It is sufficient to say that ali the frogrance of the vegetable kinglom resides in volatile oils. Their taste ls acrid, hot, and exceedlagly umpleasant.
A. Thetr specitle gravity varies very considernbly, not only in different oils, but even in the same oil in different circumstances.

When the volatile oils are heated in the open air, they evaporate readil and without alteration clithuse their peculiar odoms all around; but there is a conalderable difierence between the different oils in this respect. When dastilled in close vessels, they do not so readily assume the form of vapouf. lience, they lose their odour, become larker in colour, and are partly decomposed. Oils do not scem very susceptible of assuming the gaseous form, unless some other aubstance, as water, he present.
II. Finkin Oils are distinguished by the following characters: 1. Liquid, or easily become so when exposed to a gentle heat; 2. Unctuous to the touch; 3. Very combustible; 4. A mild taste; 5. Boiling point not under \(600^{\circ}\); 6. Insoluble in water, and nearly 80 in alcohol; 7. Leave a greasy stain upon paper.
These oils, which are called fat or expressed oils, are numerous, and are obtained partly from animals, and partly from vegetables, by simple expression. As insfances may be mentioned whale oil or train oil obtained from the blubber ot the whule and from cod; olive otl, obtained from the fruit of the olive; linseed oil and almond oil, obtained from linseed and almond kernels. Fixed oils may also be extracted from poppy seeds, hemp seeds, beech mast, and many other vegetable substanees.

All these oils differ from each other in several particulars, but have also many particulars in commoln.
1. Fixed oil is usually a liquid with a certain degree of viscidity, adhering to the sides of the glass veuscls in which it is contained, and forming streaks. It is never perfectly transparent; lins alwnys a certnin degree of colour, most usually yellowish or greenish; its taste is sweet, or nearly insipid. When fresh it has little or no smell.
There exist also in the vegetable kingdom a considerable number of bodies which, at the ordinary tenperature of the atmosphere, are solid, and have hitherto been considered as fixed oils. l'alm oil may be mentioned as an example. The various substances used in India and Africa as substitutes for butter, and as unguents, may likewise be mentioned.
2. All the fixel oils hitherto examined are lighter than water: but they differ greatly from one another in specitic gravity. The sanse ditference is observable in different samples of the sane oil.
Fixed oil, when in the state of vapour, takes fire c: the approach of an ignited body, and burns with a yellowish white flame. It is upon this principle that candles and lamps burn. The tallow or oil is first converted into a state of vapour in the wick; it then takes fire, and supplies a suffcient quantity of heat to convert more oil into
vapuir: and this process goes on while any oil remains. The wick is neeesary to present a sutheiently small quantity of oil at once for the heat to net upon. If the lieat were grent enough to keep the whole oil at a temperature of ti00, no wick would bo necessary, as is abvious from oil catching tiro apontanerusly when it has been raised to that temperature. When oil is used in this manner, either in the open alr or in contact with oxygen gas, the only new products obtnined are uroter and corlonic neid.

The dryitif oils are used as the vehicle of paints and varnishies. Linseed, nut, poppy, and hempsed oils belong to this cinss. These ails In their matural state possess the property of drying oils, hat imperfectly. 'lo prepare them for the use of the paltuter and varnish-maker, they are bolled for sone time lon an iron pot, and sometimes burnt till they become vised. When they burn for some time, their unctuous qunlity is much more completely destroyed than by any method that has been practised. IIence it is followed frequently in preparing the drying oils for varuishies, und always for printer's ink, which requires to be as free as possible from all unctuosity.
Sut vil lins been found preferablo to all other wils for printer's ink; though the dark colour which it aequires during boiling renders it not so pr.per for red ink as for black. Linseed oil is emsidered as next after mut oil in this respect. Other oils cannot be employed, because they cannot be sufficiently freed from their unctuosity, Ink made with them would be apt tocome off and smear the paper while in the liands of the bookbinder, or even to spread beyond the mark of the types and stain the paper yellow.
Tho principnl oils, in a commercial point of view, with the exception of ground-nut oil [Nuts, Ground], are enumerated in the following statements. [Olave Oil, Petroleuss.]

Account of the Qnantities and Value of the different Varieties of Oil Imported into the linited Kingdom in 1867.
\begin{tabular}{|c|c|c|}
\hline Articles & Quantities & Price \\
\hline Castor - cwt. & 21,073 &  \\
\hline Cod liver - tuns & 818 &  \\
\hline Train & 11,901 & \(\begin{array}{rrrrrr}38 & 14 & 3 & 43 & 0 & 0 \\ 113 & 16 & 0 & 114 & 0 & 0\end{array}\) \\
\hline Cocoa nut - cwit & 124,314 & 2
2 682167 \\
\hline Olive - - luns & 19,913 & 56120070 \\
\hline Palm & 8140030 &  \\
\hline Seed - \({ }^{\text {Sock, }}\) or Pctro. & 16,872 & \(\begin{array}{llllllllll}38 & 12 & 10 & 60 & 410\end{array}\) \\
\hline ock, or Pctro. leum, unrelined yefined gallons & \[
\begin{array}{r}
1,166 \\
5,37,532
\end{array}
\] & \begin{tabular}{cccc:c}
10 & 10 & 0 & 19 & 11 \\
0 & 18 & 41 & 0 & 1 \\
\hline
\end{tabular} \\
\hline Turpentine - cwt. & 154,461 & 118981611 \\
\hline
\end{tabular}

OLIBANUM (Fr. encens; Ger. weihrauch; Ital olibano; Arab. looban). A gum-resin, the produce of a large tree (Boswellia thurifera, or serratu), growing in Arabia and India. It is imported in chests containing each about 4 cwt., from tho Levant and India; the best comes from the former, and is the produce of Arabia. Good olibanum is in semi-transparent tears, of a pink colour, brittle, and adhesive when warm; when burnt, the odour is very agreeable; its taste is bitterish, and somewhat pungent and aromatic; it flames for a long time with a steady, clear light, which is not easily extinguished, leaving behind a black (not, as has been said, a whitish) ash. Olibanum is the frankincense (thus) of the ancients; and was extensively used by them in sacrifices. (Plin. Hist. Nat. lib. xii. c. 14.) It has also been used in tho ceremonies of the Greek and Roman churches. (Pereira's Mat. Indica; Thomson's Chemistry; Kippingii Antiq. Rom. lib. i. c. 11.)

In \(1867,8,637 \mathrm{cwt}\) of olibanum were imptot into England, valued at \(25,91 \mathrm{al}\), of \(31.0 \mathrm{ch}, 8 \mathrm{~d}, \mathrm{l}\) cwt., and clulofly from Ilritiwh India. In the sa yenr \(13,103 \mathrm{cwt}\). wero exported, chiefly to lina and Turkey.
OLIVE, OLIVES (fier. ollven; Fr, oliw Ital. nlive; Spar. nceitunas; lout, azeitura Lat. olives). A fruit yielding a large quast of oil, the produce of the Olea, of ulive Tho wild olive is indigenons to Suria, brea and Afrien, on the lower slopet of hount At The species cultivated in Europe grews taneonsly in Syria, and is casily reared spaln, Italy, and the south of Frince. It even been raised in the open nir in Eingland its fruit is said not to have rijesed. The frui n amooth oval plum, nbout \(f\) ineh in len and \(\frac{1}{2}\) inch in dianneter; of a deep violet col when ripe, whitinl and tleshy within, bitter nauseous, but replete with a bland oil; coven an obloug, pointed, rough mut. Olives intend for preservation are gathered before they are in In piekling, tho object is to remove their bitt ness, and to preserve them green, by imprepsati them with a brine of aromatised sea salt fort purpose various methods aro employed. wood of the olive tree is benutifully veined, has an agrecable smell. It is in great este with cabinet-makers, on accomnt of ti.e line peli of which it is susecptible. 17,538 gsllons of were imported in 1867, valued at 3,368l.

OLIVE OIL (Ger. bnumël ; Fr, haile d'olis Ital. olio d'uliva; Span, nceite de aceitunas; oleum olivarum). The olive tree is princin cultivated for the sake of its oil. This is inodorous, pale greenish-yellow colourel, ris iluid, with a bland olenginous taste, unctuous the touch, inflammable, incapable of combin with water, and nearly insoluble in alcohol. tho lightest of all the lixed oils; and is lare used, particularly in Grecee, Italy, Spsin, France, as an article of food, and in medid and the arts. It is also very extensively us in this country, particularly in the woolle mad facture.
The ripo fruit is gathered in November, immedintely bruised in a mill, the stones of wh are set so wide as not to crush the kerael. pulp is then subjected to the press in bags of rushes : and by means of a gentle pressure, best, or virgin oil, flows first; a second, and a wards a third, quality of oil is obtained moistening the residuum, breaking the kemed and increasing tho pressure. Waen the frui not sufficlently ripe, the recent oil hes a bitte taste ; and when too ripe, it is fatty, dfter oil has been drawn, it deposits a white, filn and albuminous matter; but when this de sition has taken place, if it be put into cleang flasks, it undergoes no further alteratioa: common oil cannot, however, be presered casks above \(1 \frac{1}{g}\) or 2 years. (British Pharmuctp 1897.)

The finest oils are said to be produce Tuscany, but occasionally that of Banis equa the Tuscan oil. The tinest kind of the is called 'white sublime nil.' It dizetr to France. Tuscany oil is shipped from labe in various measures, from pipes of about gallons to the flask of oil with its stryw ora weighiag about 14 oz . It is stat:rited poppy seed oil, and probably with othe bis vegetable oils. A plan for detecting these postures has been suggested by Mr. Tomlin Journal of the Society of Arts, March \$, 1864

Olive oil is the principal srtide of export the Neapolitan portion of the Italinn Kingd ishl Irdia. In the suma orted, chicfly to lias:
er. ollven; Fr. dive thas; Port, azeitonat clding a lange quaitil he Olen, of wlise tre enous to Syria, lire slopea of Xount Alla in liouroje grew. ad is ensily reared outh of Erance. It open air in Enpland, ape rijened. The frui bout inch in lenis ; of a deep violet col tleshy within, bittet a ith a bland oil; coweris ght nut. Olives intent cered before they are rif is to remove their bitt? em green, by imprepmis romatised sea salt; for th ols are employed. is heautifully veined, a ll. It is in great ette n aecount of th.c tine polis le. 17,538 gallony of oliv valued at 3,3681 baumel ; Irs, huile dolive in, nceite de accitmas; \(L\) ae olive tree is principa ke of its oil. This is ish-yellow coloured, ris leaginous taste, unctuous ble, incapable of combim y insoluble in pleohol. ! se tixed oila; und is larg Grecec, Italy, Spain, of food, and in medie also very extensively ul cularly in the woollea ma
gathered in November, in a mill, the atones of r ot to crush the keruel. d to the press in baga \(m\) cans of a gentle pressure, ws first; a second, and a lity of oil is obtained uum, breaking the keme oressure. Wnen the the recent oil has a bitte ripe, it is fatty, dtter it deposits a white, filu atter: but when this e, if it be put into clean no further alteration: however, be presered ears. (British Pharmump
are said to be produeed nally that of Ban is eq. the finest kind of the blime oil.' It chietly oil is shipped from le? s , from pipes of aboot of oil with itg stran wh oz. It is and.werted probably with othe b. lun for detecting these uggested by Mt . Tomina ty of Arte, Nanch 4 I \(86 t\) incipal srticle of export ion of the Italisn hing

Shpus.] Apulia and Calabria are tho provinces canelebrated for itr production. Tho \(A\) pulian ane best, and in preferred liy the woolles maninfadoms, by whon it is extensively used. Hy he the larkest portion of tho olive oil broushit a England is in general imported from Italy: tracipally from (inilijuoli, on the east const of the finf of laranto, whence it is commonaly known to the ame of Gallipoli oil. Hut besides Ituly, gin Portugal, the Ionian Islands \&c. send us vequantitics.
Toe duty on olive oil was for a langtisened wrid most exorbitant. In \(18: 1 / 1\) it was fixed at保 10 a per tun if imported in a Neapolitan, and of if imported in a lbritish or other vessel. Bot ative ot is of essential importance in the us being extersively usel in tho maunfiteture drollens, in the preparation of the lesst rpecies t waps and other departments of industry, this tar was much and justly oljected to. In conwreace it was reduced, in 1841, to 4l. '4.s. per tun timported dircetly and not in a Neapolitan ship, od in \(18 t^{2}\) the duty was further reduced to 21 , and per tun sccording to the vessels in which it winported. 'At present,' therefore, we obvad in 1843, 'tho dunount of the duty cannot xjacty objected to, but the differential principle an which it has been and is imposed is most dientioable. It imitates, and (in so far ns apring can do) justilies the worst part of the comercial poliey of the Neapolitan Govern\(\mathbb{E}\) anh and prompts thent to keep up high cliscrixinaing duties on articles imported into Sales ud Sicily in British mhips, So wretched an themet at retaliation is quite unwortliy of nolizhtered naton, and deserves to be unireally scouted. It is, in fact, injurious only to -
The justice of this reasoning las been admitted; beduty on olive oil has been repealed, and its inporation freely permitted.
In deconnt of the Quantities and Value of the Qive Oil Imported into the Urited Kingdom in 1007, pecifying the Countries from which it ruimporied.
\begin{tabular}{|c|c|c|c|}
\hline Countries & Improtis & Value of Import & Frice per Iun \\
\hline Pmap & funs
386 & \(\underset{\mathbf{3 5}, 449}{\text { ¢ }}\) &  \\
\hline Paty & 3,496 & 903,760 & 53.50 \\
\hline 明. & 5,443 & 344,737 & 63.38 \\
\hline lubi : Sadinilua States & 357 & 20,204 & \({ }_{70} 5140\) \\
\hline Tucany . & 1,706
5,257 & 120,024
\(3,35,2 \times 5\) & \(\begin{array}{llll}70 & 7 & 0 \\ 6.3 & 15 & 6\end{array}\) \\
\hline Hin \({ }^{\text {aph }}\) & 588 & 35,40\% & 59196 \\
\hline trein INumd & 2,189 & 129,976 & 5976 \\
\hline Trais & 110 & 6,325 & 57100 \\
\hline Maveco & 401 & 23,263 & 4800 \\
\hline Oobe perts & Bi & 3,067 & 62110 \\
\hline Tou! & 19,993 & 1,214,296 & \\
\hline
\end{tabular}

The olire is extensively cultivated in Anstria. the ralue of the oil exported from Ragusa in pres was 44,055l, but in consequence of the bad Whinest of 1866 , the value of the exports fell bis5,401. (Mr. Consul Paton's Report of May 1, \({ }^{188} \cdot 1\)
0i: Trude of Naples.-The oils of the kingdom Maples are produced in Apulia, from Bari to its werben exiremity, the Capo di Leucn; a district mpprising the territories which export from gillipoli and Taranto; sud in Calaivia from andon, en the Gulf of Taranto, across to Gioja. be whole coast from Giojia na far as Gseta is preere with olive trees. They are also abundant the Abruzzi snd the Terra di Lavoro; but polia and Calahris furnish by far the greatest antity of oil. The primcipal magazines, or cariant , lo coil, are st Gallipoli and Gioja. Gallipoli supplies England, Holland, the north
of Europe, and, in short, all those countries that reguire the most perfectly purited oil. It is elaritied to the highest degree ly merely kecping it in cisterns holloweyl out of the roek on which the town is himit. The voyages it has to perform being long, it is put into ensks कo well constructed. that it frequently arrives at l'etersburg in the hent of summer without the least waste or leakuge-nu advantage attributed to the seasoning of the staves, which, before they aro put tugether, are well soakel in sen-water
We borrow the fullowing detnils with respect to the preparation of oil at Gallipolis from a very interesting paper, by an linglish genteman whio had remicled in the town.
'The rock on which tho town is built is easily excavated; naml in eaverns thus constructed oil elarilles sooner, anit keeps without rancidity much longer, than in any other place. Hence numerous oil-houses nro established at Gallipoli, and a very consideralle portion of the rock is cut into einterns. A Gallipolitan oil warehouso generally necupies the gromul floor of a dwelling-housf, and has a low arched roof. Some are more extensive, bat on an averago they are about 30 feet aquare. In the stone thoor you seo 4, 6 , or more luhles, which are circular, about 2 feet in diameter, and like the mouths of wells. Each of theso holes gives access to n sepnrate cistern beneath your feet; nud when the oil is poured into them care is tnken not to mix different qualities, or oils at different stages, in the snmo reservoir. One cistern is set npart fur oglin mosto, or oil that is not clarified, another tor pure oil of the season, another for old vil, de. I have seen oil that had thus been preserved for 7 years in a perfect state, or, as the Gallipoli merehants have it, chiaro, ginllo e lampante-words which, during some monthe, I have hearil nt least 100 times a day. I also many times verifiel tho fact : the mosto, or oil in its turbid state, which arrived almost as black nand thick as pitel, soon became bright and yellow in these excellent reservoirs, withont any help from man.
'All the oil, whaterer may be its quality, is brought to the magazino in sheep or goat skins, which are generntly carried on mules-there being but few strade rutabili, or roads fit for whecled carriages, in these parts. In a good year, and it the proper season, I have counted, in the course of nil afteruoon's ride, as many as 100 mules returning from Gallipoli, where they had been to deposit their unctuous burdens, to different towns and villages in the Terrn d'Otranto, or the more distant province of Bari. The quantity of oil required may be conceived, when I state that at one time (in the year 1816) I saw 9 English, 3 Americmn, 2 French, and 6 Genoese vessels (not to mention some small craft from the Alliatic), all waiting in the port of Gallipoli for entire or partial cargoes of it. When the oil is to bo shipped, it is drawn off the cistern into nteri, or skins, and so carried on men's shoulders down to a small house on the seashore. In that house there is n lnrge open basin, capable of containing a given quantity; and of messuring the oil; nd into that the porters empty their skins as they arrive. A tube communicates from the masin to a large cock at the outside of the house. When the basin is full, well-made casks, of various sizes for the convenience of stownge, nre placel under the eock, which is then turned, and the casks are filled. As the casks are closed up by the cooper, the porters roll them down to the brink of the sea. where the sailors secure several of them together with a rope, and taking the end of the cord into the boat, they row off to the vessel,
tuwing the oil eask through the water after then.
'I fiest hecnme nerquanted with the Gallipolitins alootly after the fall of Napoleon, whose aystom, whatever gom purts of it may have done fin the rest of Italy, was certainly most ruitmos to the grovinces of Cace nud lari. Umale to export, or lind nhy burket for this produce, the proprietors in many purts of those provinces let the olives lic anm rot upon the grotind. For ramo yenrs, indeed, the price of oil semerely pain the cost of its prepuration, to nay nothing of trmisport nal other necessnry expenses. During tho Continental avatem, tho best chiaro giullo e lempante oil was sold at Callipoli for 8 Neupolltan ducats the amima; In 1816 and 1817 it fonnd a reaily market nt from tio to \(\mathbf{7 0}\) ducats per salma.
- Those who, cluring tho evil time, had penetration enough to foresee better days, and that n system opposed to the fencral conmer al prosperty of liurope conld not lnat ; nud who hul, at the aame time, money enough for such objects; ly annually making their oll as unanl, and binying up the oil of othera at the low current prices of the day, realised enormons protlts when innce threw open the port of (inllipoli, and ships of all nations locked thither as before.
*The olives of which the Gallipoli oll is made aro never gathered, but allowed to drop in their maturity from the tree on the ground, where they aro picked up chielly by women and children, and carried to the mill.
'The machinery employed in expresaing the oil is of the rudest kind, and, no doubt, mimeruus improvements might be introthend, not only into this branch, but into that of cultivating the olive irec. The peasantry, however, and, in the kingthom of Naples, those who stand higher in the scale of fortune and rank, are too often but boors in intellect, are obstinate in their attnchment to old practices, and aro apt, when any of these aro reprehended, to stop discussion by saying-"F'accio come faceva la buon' animez di mio padre, e ciò busta" ("I do as my father of blessed memory before me, and that's enough '").
'The poor people of the country make culinary uses of the same oil that is exported, and which in England is only used in manufactures, or burnt in lamps; but In the honses of the gentry 1 have often tasted oil prepared with more care, which was truly delicious, being equal to that of Sorrento, Vico, and Massa, or even to the best oils of 'Tuscany or Provence.'

The oil received into the cisterns in Gallipoli either belongs to the proprictor who buys it of the planter, or is received in deposit on account of some other party who gets a receipt (biglietto di magazzinos specifying the quantity of tho oil received on his account, its quality de. Depositors pay at the rate of 20 grani a-yenr for every salma of oil to the party holding it in deposit, and who is bound to account for it.

The caricutori of llari and Monopoli furnish oils for the consumption of Upper Italy and Germany, through the medium of Venice and '1'rieste. They also draw supplies from Brindisi and Otranto

The caricatori of Taranto. of Eastern Calabria or Retromarina, and of Western Calabria, tho principnt of which is Gioja, furnish supplies for Marseilles \&c. But the caricatori now mentioned, having no conveniences for clarilicntion, produce only the thick oils used for soap-making.
The oils of Sicily, like those of Tunis, are too thin to be used singly in the making of soap; and being used ouly for mixing, are less valunble than most others.

In 1 Nois a full crop of oil in the provine

 tranmations, urders or ceflules nee circulated, prespliting y inantitiea of wil depraitel at th provitucinl earicutori. 'These ordes are nequtiabio like bills of exchange, nul nre curlored to intormeliate lowher, who receives their vatom cash, withont, lowever, broming liaile for the due antistaction. 'The only respmonible partion an the draver and drawes. The Joter is chlizeet deliver the oil at sight of the orider, or to lifl at the bearer's divposal, till Noveminer 10 fur th criricatori of Apulia, and till December \({ }^{2} 18\) those of Calabria, If the rontract be fir time thint is, from one yenr to nothether, the oil is watly placed at the purchaser's commanel on March lorehased for time are effectel by meann of rontract, wherein the vendur undertaken to delive the oil by the end of Jamuary, on receirin payment of the money; but the oil, as oburre nhove, ta not really at the purchaser's disposa before the beginning of March. Ilence, in time bargains, the payment of the money precedes th lelivery of the oil more than a month: scarce inatance is on record of an engagement of thi sort having been broken, and the order is as rendily negotiable as any other aecurity.
In purchases of oil at cominand, payment like wise precedes the delivery of the article; but this case the advance if anthed to the 0 day necessary to transmit the order to the caricution where the oil is kept for delivery.
The oil remains in the caricotore under th caro and responsibility of the vendor, to delivered on demand to the liearer of the order free of all costa and charges whatever for the firs year ; but for every successive sear from 25 to \(\hat{3}\) grains per salmn are clarged for keeping, and renewal of warranty
The annexed table will show the quantities an values of the exports of olive oil in two u favourable years, 1865 and 1866 , from 5 of the o shipping ports of Naples.
\begin{tabular}{|c|c|c|c|c|}
\hline & & & & \\
\hline & Tuns & Yalue & Tuns & Five \\
\hline narl & 9,419 & \(\underset{416,28.3}{\text { ¢ }}\) & 7,926 & (19,304 \\
\hline Caatellamase & & 4.6 .5 & \({ }^{31}\) & 1,44 \\
\hline taallifoll & 4,6113 & 914,733 & 6,949 & 50.64 \\
\hline Cigajanta & \(7.14 \%\) & 3:3,37) & 6,213 &  \\
\hline 'Taranta & Y,973 & 117,000 & 4,22i & H9,4 \\
\hline Total & 44,428 & , 138,239 & 43, \(\mathrm{F} / 7\) & (13), \\
\hline
\end{tabular}

The olive harvest of 1867 proved more od filure than either of its two immediate decessors, and the export of oil from the 5 \& piug ports fell from 23,000 tuns in 1806 to 15,0 tuns in 1867.
We are indebted for these details to refy ra able Reports by Mr. Steel, vice-consul at \(\mathrm{G}_{\mathrm{al}}\) poli for 1866, and by Consul-Genernl Buoham 1866 and 1867 , and to a brochure of M. Jilleare entitled Coup d'cil sur le Royaume de lagh Naples, 1832.

OMNIUM. A term usel at the Stock Exhuse to express the aggregate value of the diftre stocks in which a lonn is now nsuslly funded
Thus, in the loan of \(36,000,000\), contrated in June 1815, the omnium consisted of \(13 \mathrm{H}, 3 \mathrm{~b}\) cent. reduced ammuitics, 411. 3 per cent. nos and \(10 l .4\) per cent. annuitics, for each 1 似: \(: 2\) scribed.
'Tho loan was contracted for on June li, wh the prices of the above stocks were-3 per cen retuced, \(54 ; 3\) per cent. consols, 50 ; 4 per reat 70 : hence the parcels of stock giren or the advanced were worth-

Il in the prosines of ased to vichl atmut turs, To farilitate wha are cirenatatel,
oil
depualtel in the endera are uegotialke I are culorsed by the peceives their ralum in coming liaille firt theit - rexpounible partice ars lhe Intter is oblizel t the order, of \(t_{0}\) himbit, I Novenise 10 furt the till December 31 fir e contract lue fir time, nother, the oil is usumbly command on March I, effected by means of a lor undertakes to deliver Jamuary, on receiving but the oll, as obswersel the purchaser's dispmed March. Hence, in timo - the money precedes the than a month : scatce an f an engagement of thir en, and the ordet is a \(r\) other security. command, payment like ery of the article; but it minned to the a stay te order to the caricalun delivery.
the caricalore under th \(y\) of the vendor, to \(b\) to the bearer of the ondet rges whatever for the tirs cessive year from 25 to arged for keeping, and for
vill Ahow the quantities an of olive oil in two und and 1866, from 5 of the

1463
\begin{tabular}{|c|}
\hline \multirow[t]{6}{*}{} \\
\hline \\
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\hline \\
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\end{tabular}
\(\left\lvert\, \frac{-}{6}\right.\)
\begin{tabular}{|c|}
\hline \multirow[t]{4}{*}{} \\
\hline \\
\hline \\
\hline \\
\hline
\end{tabular}
f 1867 proved more of its two immediate port of oil from the 5 sin ,000 tuns in 1860 to 15,0
- these detnils to reery rat Steel, vice-consul an Consul-Genernal boohinl a broclure of SI. Villeas ur le Royoume de Sipht
used at the Stock Exang gate value of the difere is now ususlly fuded. \(36,000,0001\), contracted bium consisted of 13 )/.3p es, 4.11. 3 per ecat and nouities, for each woulu racted for on June it, wh ve stocks were-3 per cen 1t. consols, \(55^{5} 4\) per ceni of stock gived io 10


Whauld the the value of the iminium, of \(11, \mathrm{Ks}\), to what premium, intependently of any discount lepromp payment.
Sios (Gier, zwiebel, F'r. olgnon; Ital, cipolla; Eun ceboila; liusn, lik). A well-known bullous ont (Allium repea, Lium.), coltivated all over wree for culinary purpones. 'The itrusburg, yand, and d'ortuguese varleties are the most pemels.
Lis: imports of onions are now viry considerable.
 with mere than fime-dfths were from Northern lange, at ta, bd, the bushel ; the rest from Southmatios bll.
SIIX (her, enyx; Fr, onyx; Ital. onice; enanix; Lat. viyx). 'Any ntume "xhibitime brem of ? of nore coloura strongly conitrasted is dinan onys; as banded josper, chanleedony dec., mone jaticularly the latter, when it is niarken! vis shife, aul stratitled with opaque aud transhase haes, liut the Oriental bryx is condend a ahatance condinting of 2 or suore lnyers athads of distinct and different colours. A sard, " manine, baving a layer of white "!on it, wad be colled an chyx; and aceording to the woble of layets it would be distinguished as an ery vith 3 ur more banda. Some of the natique eqriws are apon onyxes of 4 bands.' (Mawe's Truive on Diamonda \&f.) The German onyxea un vert chap, but the tinest onyxes are brought fmaldial and the more concentric rings or layensab posserses, the nore valuable it becomes. (Emend On Precions Stones.) Some Oriehtal unnalave sold for as much as 2001 .
OPSL (tier. opul; Fr, opale; Ithl, opale; Span. (4d, piedra iris; lort, opala; Lat, opalos). A wow which there are neveral varieties, found odifent parts of liurupe, particularly in Gaary, and in the East Indies, Mexico, Honlon the faroe Islands \&c. When Irat dug out dot earth it is soft, but it hardeas and basibes in bulk by exposure to the air. The mal always amorphous ; Irneture conehoidal ; famoly somewhat transparent. Ilardness varies mesidably, tut less taan quartz. Specitic gravity the 18.8 to 2.54 . The lowness of its specitle party in some cases is to be aseribed to necifadid carities which the atone contains. 'These Pr medimes tilled with drops of water. Some Wimens of opal bave the property of emitting rainecoloured rays, with a particular elliulgeney, suaplaced between the cye and the light. The alisthict possess this property are distinguished Thpidarics by the cpithet Oriental; and often, minetalogists, by the epithet uabilis. This Matry rendered the stone much esteemed by thenents. (Thomson's Chemistry; see alse ie. Alst Jat, lib, :xxxii. c, 6, where there are merer curious details as to this stone,)
Wt. Emanuel (Diumonds and P'recious Stones) tho fif the opal, 'that it is one of the most autiol gems in existence: when held between dere and the light, it appenrs of a pale milky, byins hue, but when seen by reflected light it ghass all the colours of the rainbow, in flakes, ches, und sparks; in fact, all the colours of the int beautiful gems are here united in one. ben the colours are in small flakes, distributed cthe surface, it is termed by jewellers 'harlebe This marvellous play of colours is supposed be occasioned by nearly invisible fissures. are always cut en cabochon, on both sides. ? ute very brittle, sud are always misch more

\section*{O11しス}
brilliant un a warnı day, \(A\) dealer in preciona atones, aware of this peculiarity, invariably holds an opal in him hand before slowing it, in order tro impurt warmth to the gem, Fine atones of la.go size are neldon found; they rarely exceed ath lieh in 'liameter.'
The opal in the anty precious stotu which defies Imltation, It las always been highly prized in the liant.
For large lhe gema as much as 1,000 , has been paid. Fiwe ring or broed stones bring from 401. to 1002. Smaller stenes are worth from ba, to \(20 \%\). They are rarely aold by the carat.

There is a story ill lliny, that Aunius, a Roman semator, preferred exile to the lose of an opal, which he valued at 20,000 nestorees. 'Thare are two the opals nmong the French Crown Jeweln; lout the furest, which is In the Museum of Vienna, was found at Carrnowitan, where a mine has lwen work ed nearly 600 yיnre, It is said that \(50,000 /\). has been refused lor this nntelimen.
Ol'lUM (Ger. molinsaft ; F'r, opium ; Ital. opplo: Span, and l'ort. oplo; Lat. opium; Aral. utyon; llin, ufeen; 'Turk. maljoon). The concrete julce of the white poppy (I'tpueer somniferum), which is nost probnhly a mative of Asin, though now fonnd growing wild in the sonthern parts of Europe, and even he bingland. Opian is chiclly prepured in Indin, 'Turkey, anid l'ersin; hut the white polly in extensively cultivated in France, and other parts of burope, on account of its capsules, and of the neefind bland oil obtained from its seeds. It has also been cultivated, and opium made, in Eughand; but there in very little probability of its ever being raised leere to any considerable extent.
The poppy is an nnmund plant, with a stalk rishug to the helght of 3 or 4 feet; its leaves resemble those of the lettuce, mul its llower lias the appearance of a tulip. When at its linl growth, an inei,ion is made in the top of the plant, from which there issucs a white milhy juice, which soon hardens, aud is scraped off the plants, and wrought into cakea. In Indin, these are covered with the petals of the plant to prevent their sticking together, and in this situation are iricel, and packed in chests lined with hides and covered with gunny, ench containing 10 enkes, alsd weighing 2 maunds or 1.19 lb , they are exported in this state to the piaces where the opium is consunted. 'Turkey opium is in that pieces, covered with leaves, and the reddish capsules of some species of rumer: which is considered an indication of its goodness, as the inferior kinds lave none of these capsules nalhering to them.

Accorling to Dr. A. T, Thomson, Turkey opium has a geculine, strong, heuvy, narectic odour, nud a bitter taste, accompanied by a sensation of acrid heat, or biting on the tongue and lips, if it be well chewed. Its eolour whell good is a reddish brown, or fawn colour ; its texture eompnet and uniform. Its specitic gravity is \(1: 336\), When soft, it is tenacions; but when long exposed to the air, it becomes hard, breaks with a uniform shining fracturs, is pulverulent, and athords a yellowish brown powder.

Enst Indian opium has a strong empyreumntic smell; but not much of the peculiar narcotic, heavy odour of the Turkey opium ; the taste is more bitter, and equally nauseons, but it has less acrimony, It agrees with the Turkey opium in other sensible qualities, except that its colour is blacker, and its texture less plastic, although it is as tenncious, Good Turkey upium lins been found to yield nearly 3 times the quantity of morphia, or of the peculiar principle of the drus, that is yielded by East Indian opiun.

Opium is regarded as bal when it is very soft greasy, light, triable, of an intensely black colour, or mixed with many impuritles. A weak or empyrcumatic celour, a slightly bitter or acrid, or a swectish taste, or tho power of marking a brown or black continuous streak when drawn across paper, are all symptoms of inferior opium. (Dispeusatory.)

The raising of opium is a very hazardous business; the poppy being a delicate plant, peculiarly liablo to injury from inserts, wind, hail, or unsensonable rain. The produceseldom agrees with the truc average, but commonly ruas in extremes; while ono eultivator is disappointed another renps immense gain : one season does not pay the lahour of the eulture; another, peculiarly fortunate, euriches all the cultivators. This circmastance is well suited to allure man, ever coutident of grod fortunc. (Calebrooke's Husbundry of Bengal, p. 119.)

In England, opiun is priucipally used as 3 medicine. It has been said, however, with some show of evidence, that its use as a narcotic stimulant is on the increase. In 1867 we imported \(273,522 \mathrm{lb}\). By far the largest part of our supply is brought from ''urkey. Opium from the intter was worth, in the London market, in 1867, ricm 16s. to 17s. per lb.

Cultivation of Opium in 1rdia-Monopoly \&c.Opium is produced in Bengal, prineipally in the provinces of Bahar and Benares, in parts of Bombay, and in Malwa, in Central India. The opium of lathar is knowh in commerce by the name of l'atna opium. In Bengal the production of opium is a monopoly, no person being allowed to grow the poppy except on account of Government. The latter make advances to the cultivators, who deliver the catire produce into their hands at a lixed price of aboet 3 s . 6 d . per 1 lb . It is afterwards suld by the Government for about 11 s . per lb., so that the profit of the latter amounts to about Ts. Cd. per lb.

Opium may be grown and manufactured in Nombay; but it is subjected to the same high duty that is imposed on opium imported into the Presidency. The olject of this higis duty is to 'iliscourage its production.' Government purchaso what little is produced in Bombay, supplying through licensed dealers all that is required for hume consumption.
The poppy being extensively cultivated in India, vields a large revenue. Down to 1831 it was produced under a monopoly; but in that year the business was thrown open to the publie, and the revenue collected by imposing a duty on the opium when passing through the Company's territories to Bombay. The capture of Scinde, by closing the route for the smuggling of opium through Kurrachee to the Portuguese settlements of Demaun de., puabled a large addition to be made to the transit duty on Malws opium, which was raised in 1847 to 400 rup. per chest, affording a revenue to Goverument of about \(58.8 d\). per Ib . (We have borrowed these authentic detsils from the Official Papers rclative to India, pp. 73-75, published in 1853.)

No one doubtis that opium is on excellent subject for taxation; and the higher the rate to which the duty on it can be raised without cncouraging smuggling, so much the better. But a great deal has been said for and against the system under which the opium revenue is raised in Bengal ond other parts of India; and, perhaps, it might be the better policy to open the culture of the plant to the unfettered competition of the prolic, imposing a high duty on the drug when grown or when exported. Without, however,
we ening on the discussion of this difficult nquesti we may shor. y observe that the moaopoly not appear to have the consequences statel Mr. Colcbrooke, who tells us (Husb. Bengal 118) that, except in a few localities peculi, Gavourable, its cer'iure is unprofitaje; and the prasants engage in it with reluctanes tempted thescto only by the advaaces \(m\) by the Government agents. But if such were case formerly, it would seem that circumytan have changed in the interval; for it appears fr the official accounts, that the exports of lee opium, which amountel to 18,827 chests of 160 ) euch in 1840-41, had increased to 53,321 chests 1854-55. The number of clicsts of Malwa opi ( 140 lb . each) exported from Bombay during same period advanced from about 15,000 to 2 n-year. The total value of the opium cxpor from British India in 1866 was \(11,129,746 \mathrm{l}\) 1867 there was exported from the United Kiod \(148,519 \mathrm{lb}\). of opium, valued al \(121,291 \mathrm{l}\).
Consumption and Trude of Opium in Ch Opium is pretty extensively used, hoth as a \(m\) ticatory and in smoking, in Turkey and 100 but its great consumption is in Chiun and surrounding countries, where the habit of smot it has become almost universal. The Chinese or seethe the crude opium; and by this process impurities, resinous and guminy natter, separated, and the remaining extract only seryed for usc. Thus prepared, the drug lose ordinary strong and offensive aromatic odour has even a fragrant und agrecable perfume small ball of it, inserted in a large woonden with some combustible matter, is lighted, and amateur proceeds to inhale four or five wi when he lics down and resigns himself to dreams, which are said to have no inconsiden resemblance to the sensations produced by inhe the oxide of azote. Those who do not carry indulgence to excess, do not, it is said, ex;eri any bad effects from it
It is a curious fact that both the poppp and produce appear to have been unkuowa, tilla paratively recent period, to the Hirdus. Ad has been conjectured, apparently on good grois that the plant, the method of extracting its \(j\) and its use, were introduced into ladis and \(C\) by Mohammedan traders, probably in the \(\{\) 10th eantury. And is such be really the case disciples of the Arabiun prophet will not on entitled to the credit, whatever it may having introduced the art of distillstino and use of ardent spirits into the Western word, also of having introduced its favourite luxus the East. At all events, it is certain that had been introduced into Chins in the eariy of the 16 th century ; a century and a balf the English had anything whatever to do wit cultivation. (See the tract entitiel China a Trade, p. 14, by the late Johs Crawfurd, the most eminent authority to whom referes: be made in a matter of this sort.)

Nine-tenths of the supplies of opium fo consumption of Chins have alwsys been of from India, a comparatively small quastity being derived from Turkey. The trade recently been contraband, the introductiog drug having been prohibited by the Government. Until about 1810 the tade attract much attention, or become of wy great importance, but it has since bean greatly extended, and has been since 18880 of rate consequence. It was at first crimid Whampoa, about 15 miles below canton; Macao, whence it was driven by the arcici the Portuguese; and thereafter in the the monopoly 1 ascquences statel us (IIusb. Benjal, - localities peculia aprofita'ule; and th with reluctance, the advances \(m\) But if such weee \(m\) that circumstan al; for it appears inf he exports of lens 18,827 chests of 160 tsed to 53,321 chests cliesta of Minlwa opi om Bombay during a about 15,000 to 25, of the opium espue 66 was \(11,12,, 4461\). om the United King ed at 121,2911 . of Opiun in China ely used, both na a ma in Turkey and lad jon is in Chius and cere the habit of smole versal. The Chinese a ; and by this process ad gumins nutter, ining extract only is epared, the drug loses asive aromatic odout Id agrecable perfume. ad in a large wonden matter, is lighted, ard nhale four or five wh ad resigns himself to to have no inconsidet ations produced by inhes those who do not cary lo not it is ssid, es, eri t.
a c been unkrown, till od, to the Hirdus. apparently on good gro thod of extrscting its duced into Iadia and lers, probably in the 9 such be really the case on prophet will not onl , whatever it may be art of distillation and into the Westem roord, ced its favounte luxufy ents, it is certain that on nto Chins in the eany a century and s ball 6 hing whatever to e tract entitler! Chima late John Crawfurd hority to whom referent of this sort.) - supplies of opium fut is have slways been da ratively small qusatity Turkey. The trade hin bsnd, the introduction ot prohibited by the c about 1810 the traded about become of my out it has since beea d has been since 1888 of \(t\) was st first curied 0 miles below Cantor; pe is driven by the exaction
d thereaiter in the bus

Limitin Hete the opium was kept on bonrd ships, camonly called receiving slips, of which there en die: 10 or 12 lying together at anchor. ive dies: howeve:, the opening of the ports on Ahery, Tze, and of Chefoo, Tientain, and Mow mon, in the North of China, has greatly altered bung, in the at Shanghai. Tha chiof kinds de equin trade at Shanghas. Tho chicf kinds inpurd are Patua and Malwa. That of Benares ritbowever, it seems, soon command attention. Theerport of opium into the province of Canton fiet to l, 800 piculs ( \(240,000 \mathrm{lb}\).) u montu, -f richabout 700 piculs pass tlirough the customs, ty net being amuggled. In May 1863, the oremment imposed a war tax of 16 taels per rian aid immediately the receipts began to drop, mon lij to 200 piculs a montli. The import Sioge was in \(1864,3,307\) chests, and in 1866 , wrexports, 4,321 piculs. At Chefoo the conemotion is about 100 chests a nonth. At Kir ting 2,100 chests annually.
Ife ales have been mostly effected by Einglish therican agents, who give orders for the defruy of the opium; which, on producing the det, is hanc d over to the Chinese smiggler, to cine alongside at night to receive it. mopantl, however, the smuggler purchases dequam on his own account, paying for it on watpot in silver; it being a rule of the trade, wra departed from, to receive the money before the drus is delivered.
Dring the first 10 years of the present century the exports of opium from India to China averaged doort 950 m chests, of 1493 lb . each. But alter the introdetion of Malwa opium into the markets d Bumby and Calcutta, the exports began ruily to increase. We subjoin-

Lt Anwat of the Quantities and Value of the \({ }^{5}\) pports of Opium from India, from 1851 to \(10 \%\)
\begin{tabular}{|c|c|c|c|c|c|}
\hline Tas & Cun & lue & ara & ests & Valuo \\
\hline & 35,09 & 5,459,1 & & 75 & \[
10,827,
\] \\
\hline 出 & 6.803 & 6,515,214 & 1860 & 58,681 & 9,054, \({ }^{\text {a }}\), \\
\hline wis & 615:9 & 2034,075 & 1861 & 63,490 & 10,181,13 \\
\hline 幽 & 68.175 & 6,437,099 & \(1 \times 62\) & 65,369 & 10,533,914 \\
\hline N & 21393 & 6,931,278 & 1863 & 82,216 & 12,494,129 \\
\hline 131\% & 61.160 & 6, 410,471 & 1861 & 70,839 & 10,756,093, \\
\hline Iis? & 72385 & 7,056,650 & 1865 & 81,492 & 9,911809 \\
\hline \% & [i, 146 & 9,106,635 & 1868 & - & 11,122, \\
\hline
\end{tabular}

It is necessary, however, to observe that the the of the opiuns shipped from India does nut 3th China That, indeed, is the destination of fir the largest portion of the exports, but about eneoth of the total exports goea to the Straits rtements,
The following is the amount of opium immed ito the undermentioned 11 Chinese ports 1806 sod 1865 ss given by the foreign Comwioners of Inspection in China.
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{} & \multicolumn{2}{|l|}{Quantites} & \multicolumn{2}{|c|}{Value} \\
\hline & 1864 & 1865 & 1864 & 1865 \\
\hline Whis & piculs & \({ }_{\text {pleuls }}\) & \[
\stackrel{\text { taels }}{4,293,079}
\] & \[
\begin{gathered}
\text { tanela } \\
16,376,089
\end{gathered}
\] \\
\hline & 5,493 & 3,170 & 1,604,991 & 1,75,400 \\
\hline & 2,490 & \begin{tabular}{l}
2,376 \\
\hline, 463
\end{tabular} & 1, 1742,966 & 1,305,141 \\
\hline max & 6,971 & 5,963
4,050 & 4,347,336
8919090 & \(3,306,412\)
\(2,411,451\) \\
\hline & 4,711 & 6,245 & \(2,919.090\)
\(\mathbf{2}, 699.074\) & \(2,41,45\)
\(3,114,280\) \\
\hline & 1,499 & 3,485 & 1,175,385 & 1,868,086 \\
\hline dinliug & 2,201 & 2,490 & 1,111,340 & 1,566,985 \\
\hline & - \({ }_{\text {1,839 }}\) & \begin{tabular}{l} 
2,683 \\
5 \\
\hline
\end{tabular} & S40,328 & 1,641,391 \\
\hline melung & 2, 506 &  & \(1,511,245\)
293,136 & \[
\begin{array}{r}
3,359,796 \\
8,7,8 \times 2
\end{array}
\] \\
\hline Toul & 61,112 & 73,517 & 32,060,445 & 37, \(5 \times 2,913\) \\
\hline
\end{tabular}

The tolal imports (less re-exports) at these and et other ports in 1866, as given in the last orf of the Commissioners, were 64,516 pieuls. be occasional diminution in quantity and value
of the inport: of opinm into China cannot be ascribed to any other cause than the export and import duties, and the impossibility of preventing smuggling, both out and in,

Confiscation of Opium in 1839. - We have already seen [Canton] that opit m has till very lately been prohibited in China, and that consequertly its importation has slways been looked upen as \(n\) smuggling speculation. There would seem however, to be good grounds for thinklng that the prohibition of the importation of opium was nll atong intended to be more apparent than real. Ai all events, it is certain that the trade grew gratually up, from a small becinning, to be one of great extent and value; and it is rugatory to suppose that 'his slould have been the cas, had it enconntered any considerablo opposiina from the Chinese anthorities. But the truth is, that these functionaries, instead of opposing the trade, or even merely conniving at it, were parties to its being openly carried on; and received certain regulated and large fees on all the opium that was imported. It has even been allegred that a part, of these fees found its way into the Imperial treasuy at Pekin, thongh that is mori: doubtful. The appetite for the drug inereased with tho increasing means of gratifying it ; and there appeared to be no assignable limits to the quantity that might be disposed of in the empire.
The rapid extensiun of the trade seems at length to liave drawn the attention of the court of Pekin to the subject. We donbt, notwithstanding what has been alleged to the contrary, whether a sense of the injurious consequences of the use of the drug luad much to do in the matter. i'he alarm of the Chinese Government was not so much about the health or morals of its subjects, as about their bullion. They are still haunted by the same visionary fears of being drained of a due supply of gold and silver, that formerly haunted the people of this country. The imports of opium heving increased so rapidly as to bo no longer balanced by the exports of tea and silk, syece silver began also to be exported. The paternal Government of Pekin might have tolerated whut are called the demoralising effects of opium with stoical indifference, but the exportation of silver was not a thing to be endured. It is, however, only fair to state that the Chinese statesmen were not all of the school of Mun and Gee; and tlat. some of them appear to have taken an enlightened view of the question, and to have emancipated themselves from the prejudices that influenced the majority of their colleagues. The statesmen in question contended, that whether the use of the drug were injurious or not, the taste for it was too deeply seated and too widely diffused to admit of its effectual prohibition; and they, therefore, proposed that its importation should be legalised, subjecting it, at the same time, to a heavy duty. There cannot be a doubt that this was the proper mode of dealing with the subject. In the end, the Government of Pekin, influenced by unfounded theories as to the misclievous effect of the export of the precious metals, came to a different conclusion, and resolved to put a stop to the traffic.
ifter this resolution had been come to, the Chinese appear to have acted with more than their usual vigour; and having proceeded to extremities, they confisested and destroyed about 20,000 chests of opium. The reader does nol require to be told that this violent conduct on tne part of the Chinese led to a war with this country. This contest was terminated in 1842 , when the Chinese agreed, among other things, to pay 21,000,000 dols. towards the expenses of the war, and as an indemnity to the owners of the con-

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 valuablo property into their tevitoriow, to pobine
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 comsenpernty rebileme itself liable lier the value of the properse it so menarantadly seizad upon and destmod.

Supluse the Hritish larliamem luad, in läth, passed an Aer probibiting the impertation of tas: and suppuse, limether, that the collector of cinsems and whor muthorities in liverpoot has baid ou atomitur whaterer to this Act, hut that, from Find down to the present day, they had gromly combensamed the trade: the it hesid rapidly incomsod: and that crery year seones of Chateso shipe lidell with hoa had arrived bit the Marsos safile monemed their cargoes, and sailed cither with silver or aloer liritish proshace oun hased: what, meler these ciremestances, would the Chinose have sam, hand the fritish diovernment suddenly furned romd and dedared, 'You are enFased in an illegal trade; " and, wiblout further intimatiom, have proweded to seize and destroy nll the tea behogiug to them in England? Wouli met the Chinesc, the liussinns, Frembl, and, in whert, the whole word, have dechared such ant ad
 homent mand inl Empland lime anid that the thin lind leroll uwhindled; and that the thavermument

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Now, this whe precinely the rase of belehe













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 State that has abopited this nati-somial a bolicy had olnonly athacked their territure cilizens, A state has a perfert right to such rules nond regulations for its intermal ment and she sombent of its trade as itp provided they do not exervise any wery mulumeo over oblers llut should such 'ase-should the domestic or commerial of my particular state insolve primephate lations that trench on the rights of m jurs the intersest of oflore parties, wove can the these others lave a right to compaia if the injury be of a grave cinarater, ald bo mot obtained on comptaint being mad reisomable a oubt ean be enteratined the magrieved party is justited in resorting to fo - naid Ilont the t'hume at the linveriment Irevted with unlisar aur lo prowne midet - Itwe cone if binglum nuisulaty ur rimumalia Ity heminde llor yuextm - ware foll thim num
 ini. How Iruin in it 1 liy the Chinuare nutur flum furty yome: "hywrm serve rutais comisternmis' womble nuel llint, at nll ex chivetwl 'fht, at which there is any Tritur of dpinitur. vas lioust hilwarrantal lim rounfry hal wit rodrese, fint wia rat at rorarel hor tho mitu - of the llititiali sultio midraremuly viohas arrev, ill riforenow tis a laid down lyy all wai In'ula whully an ilue "Lumurrev wilh anutlum (1) reprilate the mane A 1 un ( Inffil, lmouk i, 3 1. this rula tume lac in nly to wiulh combue milural primeiples af per If a serite pusmatsur Olory, and aluburding nsw and actommundatio numeries, insalates isul dhpts a mystemin on wime will the interes "ypears fo ua that (onyurillal to adeys ac hut with the groneral a dombti. the right of is surt, is the (hat shome all cillicily, und roit indication Hus that IIs wallheiantly deats. Yres of incolvernetio tellt roblsition or of s with mother, or insuctobsshment a rexatinus mannet, all other questiuns ait othe shoulit thes suth anti-sumpai ves - 1 presesive on whers ulat lave as food a untre of conduct, at It this muti-swial of ked Ilveir territery a \(1^{w} r f e t\) ngtht to ous for its internal of its trale as it xcrise naly voty ity, Jut should sach cie or cumberist involve principles of he rights or somu or parties, hane cat ariblut to couphain rave charicter, and mpiaint being mad be entertanaen ic lied in resoting le



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 a*) It







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 the ron anguine woulil hardly linve nill loignateri.















 gool fir tliukking that it is It. nll woran thant hadr, gin, witr, or whlar: ntimulnuss. All of
 wha in excens, but sut ntherwiser. Wo do mut
 atbe igpurters of wimes or mpirits, anll viny


 babigher authurity, comenemes that. the use of than a nol mo injurinus as inthlyenece in apirita. The fret of opium,' miill lur, 'when tnken into, atwanch, is not to stimulate, but to neathe the: ynva yatem. It may be ntherwine in morme wance, int theso are exceptions to tho grinernl *he The gium-taker is lu a pmaslye state, antionWridh bia own dramiy conclition, whilo under enintume of the drug. Ilo is nseless, but not exiximos, 1 li is quite otherwise with nlcoholis 2van. When Hishop and his partuers marilered thatian boy thast they might aell hils bonly, Wamed in evilence that they prepareml them mata by a plentiful libation of gin. The smme ex in pursued by hounclirenkens and othern wage in deaperate criminnl undertakings. anarhy of notice, alno, that oplium is mueh cosstracivs to the underatanting than gin or mad, Many goium-takers live to a great nge, hetram donking inducea disensen of the liver, Wheir utendant bodily suffering, ill-tempor,
hejural fmynarion.)










 Ilor y:


 vier we the lariner liy \(n\) ing laid on un urtirlo rons
























 biller nuil neriul. Hpestil': grovily lisez. It in




 purt, of l'ortugnl, on tha morth finnk of tho Imomes,



 linnk ol' tho rivor, in jomintion of \(8!, i, i z 1\).

Ifarhour. - 'I'he: harbenr of (Jpurto is in biar liarbuntr, anil sum buly be entereal, it lenat loy vemsela of eanalilerable: burilin, ni. lijpli water; and it in
 zurve thin lif frut. (hle tha morth alde of the entrance in the rantla of St. Joabo des Foz, wluences a lokge: of ros:kM, momo of whiteh are at all times above wator, ixtrouln in a month-went direction. Tlia whtermost of theme rockm, namoal Filgueira, which in nlwnys vinibles, is on tlin laft of InrIonal nide on entering. Cabedelo I'oint, forming the southerit extrinitiv of the entrnice, is low nnil manly. The bar leinis linble, from the netion of the tiden, nud of sudden fresties in thes rivir, tu perpetinal alterntions, it in exceedingly dnngerons fir any vesasd to attempt croaning it without a pilot. Pilots are always on the alert, nidd renily to offer their nervicen when a vensel romes In night, unkes the wenther be mb has that they cannot go off. (In mome few sccanions of this sorl, vease's havo leen detained for three weeks off the port, without having an opportunity of
entering. The chapel of st. Catherine, in a line with that of St. Michael, leads over the bar. The ordinary rise of spring tides is from 10 to 12 feet, and of neaps from 6 to 8 fect. The Oporto lighthouso on the Nossa Senhora da Luz is fixed, and 218 feet nbove high-water mark. It is visible for 20 miles, but is described in the Almirnlty list as a very bad light.

The swellings of the river, already referred to, most commonly occur in spring, and are crused by heary rains, and by the melting of the snow on the mountains. The riso of water at auch times is frequently as much as 40 feet; and the rapidity and force of ti. ' current are so very great that no dependence can be placed on anchors in the stream. Fortunately a fresh never occurs without previous warning; and it is then the practice to moor with a cable mide fast to trees, or atone pillars, crected on the shore for that purpose. (For further information as to the harbonr of Oporto, see Purday's Suiling Directions for the Bay of Biscay.)

Trade.-Oporto is the emporium of a large portion of tho kingdom of Portugal, and enjoys a pretty considerable foreign commerce. The wellknown red winc, denominated Port, from its being exclusively shipped at this city, forms by far the largest article of export. The exports vary in different years, from about 20,000 to above 40,000 pipes. England is much the largest consumer of port. The high discriminating duties on French wine originally introduced port into the British markets, and gave it a preference to which, though an excellent wine, it had no just title: this preference first generated, and its long continuance has since so confirmed, the taste for port among the great bulk of the population, that until 1860 it bade fair to mnintain its ascentency as an afterdinner wine, notwithstanding the equalisation of the dutics. At an avernge of the 7 years ending with 1858, there were zhipped from Oporto for England 27,294 pipes a-year. In 1866 we imported of the red wines of Portugal \(3,573,744\) gals, of which \(2,976,817\) were entered for consumption. It is remarkable, that while the entries of port for consumption have inercased but little ainec 1851, those of sherry and Rhenish have more than doubled since 1860 , and those of French wines lave more than trebled in the interval, 1860-67. And though the scarcity and dearness of port consequent on the vine disease may account to \(n\) great extent for its decreased consumption, it is not at all likely again to supersede the listhter French and Spanish wines, now that they have so firm and extensive a hold on the public taste in this country.
Next to England, Brazil, Russia, and the north of Europe aro the principal consumers of port; but it appears, from the subjoined account, that the total exports to them do not amount to a half of those sent to England. The other exports are oil, oranges and other fruits, wool, refined angar, cream of tartar, ahumac, leather, cork \&c. The imports are corn, rice, beef, salt fish, and other articles of provision; sugar, coffee \&c. from Brazil; cotton and woollen goods, hardware, tin plates \&e. from England; hemp, flax, and deals, from the Baltip \&c.
Besides the British manufactured goods imported into Portugal for the use of the natives, a considerable quantity is destined for the consumption of Spain; being amuggled into that country through Braganza and other towns on the frontier.
The vintages in the Upper Douro fluctuate very greatly, but previously to the breaking out of the oidium or vine discase, in 1853, they might, at an
of which about 33,000 w 70,000 to 80,000 pipes d which and exportation of exported. 'The prodiction and exportation of wine would, howcver, have been much greater but for the policy adopted by the Oporto Wine Company, to which Government conceded a monopoly of the trade They divided all wize produced on the Douro int three qualities, viz. 1st, \(2 \mathrm{nd}, 3 \mathrm{rd}\), and refure, 乌ut the mercharts engaged in the wise trade affirmel that the distinction between the 1st and 2pd qualitics was quite imaginary; and that the were, in fact, 'precisely the same.' (Report of Commons' Com. on Winn Duties, 1852, part i 60.) Delusive though it were, the elassification was not without an object. No wine, other than the 1st quality, was allowed to be shipped for any port in Euroje, and it was charged, on being exported, with a cuty of 31.10 s , a pipe; whereas what is called the 2nd quality, though it were really as good as the 1st, was only charged, on being shipped for Americn, or any country out of Europe, with a nominal duty of \(6 d\). n pipe This extraordinary regulation, besides being in jurious to the Portuguese, was offensive and unjust to others, and especially to us who are th great consumers of port. It had not, however, all the auccess which iis contrivers snticipated; if it led to an indirect importation of port wime froo the United States, which woulh, no doubt, hav continued till the duties on the wines shippe from Oporto had been equalised or abolished.
The British Government dill not fail strong to remonstrate against this system, whieh, inded was in direct contradiction to the engagements our treaties with Fortugal. And in the end Portuguese authorities appear to have beoon satisfied that by raising the cost of their win limiting their consumption, and substitnting oth nations as exporters of Portuguesc wine, theirg tem was a great denl more injurious to themsetr than to any one else.
In consequence a decree was issued on tober 13,1852 , which effected somi very portant reforins. Inscead, for example, of be divided into 1st, 2nd, and 3rd qualities, wiren thencef " \(h\) to be diviled into wine fit and for exportation. The latter was to be retaiped the country either for home consumption or o version into brandy; while the iormer, or them fit for exportation, might be ser: to all parts of worla, on paying a rensonable duty of sbout a pipc. The Douro Wine Company was abolished, and other changes effected.
These were great improvements, Still trade was frr from being frec. Power was gi to a 'Regulating Commission,' or Committe Taste, to say how much wine should be export so as to prevent a glat of the foreign mato It would be but an equivocal compliment to intelligence of the reader were we to drell on folly of such a regulation. Neither conld th be any legitimate excuse for prohibiting theer of inferior wine. It would either be bought an a free system, by the forcigner, or it wenld If it would not be bought, the probibition superfluous; and if it would be bought ite was mischievous, and hindered the Portag from sending an :mportant produet to the market. On the whole, however, a great cia for the better was effected, and it paved the min others.
It was aoon found in practice, thatif the 1 mittea of Taste made any difficulty sbont export of any wine, a permit or 'bilatele be readily purchased. Our treaty of 1860 France too had some effect in enlightening Portuguese Cortes, and at length, in \(1865^{\circ}\),

0 to 80,000 pipes, ported. The provine would, howbut for the policy ompany, to which poly of the trade. 1 on the Dourointo d, und rcfuse. But wise trade affirmen the 1st and 2nd ry; and that ther same.' (Report of ties, 1852, part i. p. re, the classification No wine, other than d to be shipped for as charged, on being 10s, a pipe; whereas dity, though it were was only chsrged, on or any country out duty of 6d, n pipe ion, besides being in was offensive and un ly to us who are the t had not, howeyes, al rivers anticipsted; 0 ation of port wine froo weuld, ne doubt, hav on the wines shippe alised or abolished. nt did not fail strongt s system, which, indee a to the engagements 1. And in the end 1 appear to have becoa the cost of their win in, and sulistitnting oth ortuguese wine, theirs e injurious to themstim

\section*{cree was issued on ?} effected somc very 1 d, for example, of bei d 3rd qualities, wi-am 1 into wine fit und ut tter was to be retained ome consumption or c ile the jormer, or the wh t be ser: to all parts of onsble duty of about Vine Company was nges effected. mprovements. Still \(g\) free. Power was git mission, or Committ wine should be expo t ef the foreign man aivocal compliment to or were we to dwello ion. Neither coald (for prohibiting theer ald cither be bonghth oreignet, of it mad ght the probibition gigt, the nrouidit hindered the Perng rtant prodnct to tie however, a great ch d , and it pared the ris practice, thatif the 0 3 any difficulty byonet permit or 'bullete Our treaty of 1860 effect in enlightering d at length, in \(1865^{5}\)
paced an Act, declnring the export of port wine, sent about 60 miles up the river, in bonts, to le preatever quality, free and unfettered. One filled. Owing to the miserable state of the roads, of wha ding are genuine atate than it did under the cartage from and to the river sido frequently: ( anplittee of Taste. See a curious discussion on the upper country down the river to Oporto is committeed blendingand adulteration of port wines about equal to that from the latter to England. thealeged Reports of Mr. Secretnry of Legation Lytton There is niso an internal duty on all wine brought itr. Consul Crawford, presented to Parliament io 1667 and 1868 .
sometimes wine is purchased from the farmer the wine country. In this case the ensks are
down the river. Inasmucli, hovecver, as theso charges are perpetually varying, it is not possible to lay before the reader any pro forma acconnt of the cost of wine bought in the Upper Douro.

Shipments of Wine from Oporto from 1858 to \(186 \overline{7}\).
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline & & 1858 & 1859 & 1860 & 1861 & 1862 & 1563 & 1861 & 1865 & 1866 & 1867 \\
\hline & - & 11,592 & 14,531 & 22,417 & 22,915 & 24,933 & 50,014 & 29,912 & 33,492 & 30,546 & 25,10; \\
\hline [itad King & & 3,4888 & 1,909 & \%,123 & 1,734 & 4,078 & 2,716 & 3.331 & 3, 042 & 3,669 & 6,141 \\
\hline hnob Colonies & & \({ }^{622}\) & 719 & E8. \({ }^{\text {che }}\) & 1,013 & 1,3590 & 388 & 769
681 & 813
504 & 882
63 & \\
\hline lime Tonns & & 191 & 481 & 399 & 57 & 1.51 & 1113 & 132 & 410 & 636
726 & \({ }_{139} 139\) \\
\hline Twed sutes Colonies & & 290 & 299 & 387 & 256 & 254 & 51.1 & 265 & 287 & 435 & 499 \\
\hline mani and Colonies hinem ind Norma & : & 115 & 474 & 3.30 & 2 SL & 139 & 79 & 190 & 185 & 151 & 152 \\
\hline  & - & 153 & 315 & 158
258 & 101 & 190
50 & \(\begin{array}{r}223 \\ 68 \\ \hline 18\end{array}\) & 47 & 277 & 305 & 215 \\
\hline 100. & - & 48 & \(\underline{-}\) & 81 & 68 & 70 & 101 & \({ }_{138}\) & \(\overline{124}\) & 131 & \\
\hline nd & - & & - & 38 & 11 & & -10 & - & - & - & 18, \\
\hline Ota Puts & * & 23 & 38 & 38 & 21 & 27 & 123 & 61 & 183 & 966 & 76.1 \\
\hline Torn Pripes & & 76.641 & 10,547 & 27,561 & 26,908 & 20,711 & 71,905 & 35,620 & 39,208 & 40.48 .3 & 31,679 \\
\hline
\end{tabular}
ys Cossul Crawford says, in his Report of jwarr: 30, 1867, that the new wine is brought want te iver Douro in the carly spring months, the iree transport costing about 8s. 10d. for each and is lodred in the warchouses of the meriph am ion It is here kept till ready for huts at Oporto. It is here kept thipmen to England, sellom being fit for that puppef ir at least 18 months. [Wine.]
The ifiam or discase, which attacked the vines ben wd elsewhere, first appeared in Portugal in lös and has continued more or less every year it has greatly diminished the production. Therean indeed be no donbt that the application isslphus has given it a decided check. Sut this nexpensire remedy, nud unless it be judiradr applied it is apt to spoil the wine.
the port charges, iacludi ig tonnage dutics, on amed of 300 tons, amount to about 50 dollars. Textla ssiling without a cargo pay for liglits 50 mis per cent., instead of 50 reis , in order to mange the esport trade. Commission 21 per ret. anid del credere \(2 \frac{1}{2}\) per cent.
Rhor Regulations.-These were published at Guro in 1841 . They declare that the navigation mathe bar of the Douro must be conducted by donemudsrly appointed, and their number shall tr nineten of the tirst and secent classes, besides menumerary pilets.
Theoutward and inward niletage of every vessel rat the bay to be confined to the nincteen pilots the int and second classes; the pilotage in the meby toe supemumerary pilots.
Pihtis are probibited to stipulate for the sum to keeved when they bonrd vessels in distress, al me bound to give immeliate assistance, werpan, in case of the slightest delay, of susmason fom their functions; or, in case of mismade, to more severe punishment.
The pilots are obliged to reside at St. João de m; udd ail vessels except small craft sre bound tuke orer the bar a supernumerary pilot.
Then a snpernumerary pilot is on board a melesercising his functions, and cannot bring isto port, he must remain on board such vessel; mastur of owner of which to pay lim the we of his due, and a ration per day, until he laded at 0perto. In case of disnute, the rtaguese consuls are required to make the rigo master fulfil the above regulation.
the piltage rates for the entrance or the de-
parture of vessels, in ordinary cases, are fixed as follow:-


Any extra fee to pilots is optional. The remuncration due in extraordinary cases, to pilot boats outsicle the bar, to be rated in accordance to the difficulty of the pilotage and the danger incurred.

The first pilot, and in his aosence the second, will be charged to hold council with the others as to the possibility of the entrance or departure of the vessels, and decide by the majority of voices. A pilot who, in the exceution of the decision of tho council, does not conform to such elecision, will immediately be suspended from his functions, and be responsible for all indernnifications, and subject also to corporal punishment.

When an accident lappens on account of a pilot refusing to conform to the above results, the pilot cannot demand, for his defence, the opposition of the captains or proprictors of vessels to the free excrcise of his functions, except this opposition was manifested with violence; in which case the pilot must immediately protest, so as to cover his responsibility.
The first pilot is bound to sound the bar at least every fourteen days, and to make known the result to the intendant of the marine, as well as any change that may take place in the river.

Any pilot losing a vessel in consequence either of intemperance or incapacity will be punished according to the full extent of the law. Every pilot is bound to have by him the regulations of signals appropriated for the service of the Douro. (Parliamentary Reports already referred to, and valuable private information.)

ORANGES (Ger. pomeranzen ; Dutch, oranjen; Fr. oranges; Ital. melarancie; Span. naranjas; Russ. pomeraneza; Ilin, nerunge; Malay, simaomanis). The fruit of the orange tree. The common or sweet orange (Citrus sinensis or Citrus nobilis), and the Seville or bitter orange (Citrus aurantium), are natives of China: and the Portuguese are entitled to the honour of having trans-
ferred the plant to other countrios. Particular species of Citrus seem to be indigenous to various Eastern countries; but the birth-place of the proper orange may be distinctly traced to China, It is now to be found in our green-houses. Oranges are imported in chests nud boxes, packed separately in paper. Tho best come from the Azores aid Spain; very good ones are also brought from Portugal, Italy, Malta, and other places.
The orange trade carried on by this country is of considerable value and importance. Oranges are not much more expensive than most of our superior domestic fruits, while thoy aro, perhaps, the most refreshing and wholesome of those of warmer climates. 'I'he entries for home consumption amounted, at an average of the years 1850 and 1851 , to 359,142 boxes \(n\)-vear. The duty produced, at an average of the above years, 73,2461 . a-year. The number of persons employed in the importation and sale of oranges must be very considerable. The duty was reduced in 1853, from about \(28.8 d\). to \(8 d\). the bushel. It was repealed in 1862. In 1867 we imported no fewer than \(1,453,566\) bushels of oranges and lemons, valued at 744,7321 . There were imported in the same year, 2,281 pipes of orange and lemon peel in brine, and \(22,302 \mathrm{lb}\)., dried or candied, of the total value of \(14,217 l\).
ORCHILLA WEED, ORCIIELLA, ORCIIAL or ARCHIL, (Ger. orseille; Fr. orseille; Ital. oricello, orcella; Span. orchilla). A whitisa lichen (Lichen orcella), found in the Isle of Portland; but that which is used is imported from the Canary and Cape de Verd Islands, Madeira, Barbary, and the Levant. From it is obtnined the archil, or orchal, of commerce, which yields a rich purple tincture, fugitive, indeed, but extremely beautiful. The preparation of orchilla was long a secret, known only to the Florentines and Ilollanders; but it is now extensively manufactured in this country. Orchal is generally sold in the form of cake, but sometimes in that of moist pulp; it is extensively used by dyers; and in times of scarcity the weed or lichen has sold as high as 1,0001. per ton. (Thomson's Aispensatory.) The Portuguese orchal was valued at \(30 s_{\text {. }}\); that from the Eastern coast of Africa at 30s. 10d.; the imports from New Granada at 39s. \(6 d_{.}\); and those from Eeuador at 40s. 11d. per ewt. The entries for consumption amounted, at an average of the 3 years ending with 1842 , to \(6,050 \mathrm{cwt} .3 \mathrm{qr} .10 \mathrm{lb}\). The duty, which had been 3s. per ewt., was reduced in 1842 to 1 s . per cwt., and was wholly repenled in 1846. In 1867 the imports amounted to \(24,443 \mathrm{cwt}\). valued at \(45,454 l\)., and the exports to \(5,608 \mathrm{cwt}\).

ORGOL [ARGol.]
ORPIMENT (Ger. operment; Fr. orpiment; Ital. orpimento ; Span. oropimente; Lat, auripigmentum). The name usually given to sulphuret of arsenic.

When artificially prepared, it is in the form of a fine yellow-coloured powder; but it is found native in many parts of the world, particularly in Bohemia, Turkey, China, and Aya. It is exported from the last two in considerable quantities; and is known in the East by the name of hartal. Native orpiment is composed of thin plates of a lively gold colour, intermixed with pieces of a vermilion red, of a shattery foliaceous texture, flexible, soft to the touch like tale, and sparkling when broken. Specific gravity \(3 \cdot 45\). The inferior kinds are of a dead yellow, inclining to green, and want the bright appearance of the best specimens. Its principal use is as a colouring drug among painters, bookbinders \&c. (Thomson's Chemistry; Milburn'a Orient. Com.) Only 4 ewt., of the value of 161 ., were imported in \(186 \bar{i}\).

\section*{OSTRICH FEATIIERS (Lat. plume nt} thionis ; Fr. plumes d'autruche). The feathen the ostrich, but more especially the 100 g feath of the wings and tail. These feathers hare b highly prized from the remotest antiquity; hnve been employed, either singly or intermis with others (those of the swan, heron pens de.), to beighten the magnificence of procesvin the splentour of warriors, and the besuly of is fair.
The ostriel, as every one knows, is ch found in the sandy deserts of Arabia and Afris Dr. Iivingston, in his 'Iravels into the Interion tho latter, says that, 'notwithatsnding the dian culty of their capture, the quantity of feat collected aunually shows that the numbers must be considernble, as each bird has ontr a in the wings and tail. The male bird is of 3 black glossy colour, with the single exception the white fenthers, which are objeets of Nothing can be finer than the adaptation of th glossy feathers for the climite of the Kalh where these birds abound; for they affond perfect shade to the body, with free ventin beneath them. The hen-ostrich is of a brownish-grey colour, and so are the half-gur cocks' (p. 155).
The emu, or cassowary, a varicty of the ostrim is a native of Malacca, the Islands of the Asiat Archipel .ro, and Australia. There is, also variety of the ostrich in South America. the feathers of these varieties have hardly as become articles of commerce; and are very inf to those of the Arabian and Africaa ostriches.
One of the earliest as well ss the most celebra notices of ostrich feathers in modern times to those which adorned the helmet of the king Bohemia, who fell at Cressy in 1346. Tis with the motto Ich dien (I serve), having be assumed by the Black Prince, whose palle greatly contributed to the success of the bing have sirce formed the insignia of the Prines Wales, and have been borne by them ons oceasions. Henry VIII. is represented with ostrich plume in his velvet cap, in a porthit Holbein; and a portrait of his contempor Francis I. is similarly decorated. Is morem times, thege fenthers, or substitates for th have been, and continue to be, used in bonnets of the Scottish Highland reyima At present they are extensively used io decoration of ladies' bonnets and head-tos in chitdren's hats, in artificial thower-mkic funcral plumes; military plumes, and in rur kinds of fancy trimmings and omsmeats.
' Leghom, after the decline of its comme the Levant, remained the great entrepbt of dot feathers, nnd did business in that article tof amount of nbout \(1,200,000\) france annuallis. since the establishment of steam narig. London has gradually become the principalces of that branch of trade, and Leghom nor does business to about half the precedingum a part of the diminution is, however, oning to decline which has taken place in prices on eighths of the ostrich feathers which \(/{ }^{2}\) receives come from Egypt, and the ret Tripoli and Aleppo.' (Annales du Commert térieur.) The Cape of Good Hope supplia most valuable feathers, chiefly on account 0 in uhite colour. Black feathers come propy from Mogadore and Aleppo. A good blat fy comes from the Cape, but in small quund White and grey fenthers may be dred to yuit prevailing taste; but blacis feathers ar ar dyed to a darker shade before they are made plumes loy the manufacturer. It is stimistedt

ERS (Lat. plume stry autruche). The feathefs especially the long feathen 'These feathers have bect ise remotest antiquity; and either singly of intermized ( the swan, heron, peacoct magnificence of procesving iors, and the besuty of the
rery one knows, is chiefl eserts of Arabia and Afne s 'l'savels into the Interiot , 'notwithatanding the dififi cc, the quantity of feather nows that the numbers shai , as each bird has only a fe The male bird is of a je with the singlo excepting which are abjecta of trat than the adantation of the the climate of the Kulahes abound; for they affond e body, with free rentilation e hen-eatrich is of a dean ir, and so are the balf-gom
wary, a variety of the ostrid cca, the lslands of the Asis Australis. There is, also, ich in South America B c varieties lave hardly as ommerce; and are very infen bian and African ostriehes. it as well as the most celehnt cathers in modern times rfe med the belmet of the king 11 at Cressy in 1346. The ch dien (l scrve), hasing bo Black Prince, whose gallant d to the success of the Engli the insignia of the Prines been borne by them on st VIII. is represented with his velvet cap, in a portnit portrait of his contempon arly decorated. Ia more reo ors or aubstitutes for the continue to be, used in Scottish Highland regime are extensively used in es' bonnets and bead-dres in artificial tlower-makio ilitary plumes, and in rn amings and ornaments. he decline of its commera hed the great entrepot of athe business in that article to ,200,000 francs anmoalli. shment of steam narigu ally become the principal co trade, and Leghom noll pout half the preceding and fution is, however, owing taken place in prices. strich feathers which m Egypt, and the res o.' (Annales du Comernt be of Good Hope supplian hers, chiefly on accourto ck feathers come prial Aleppo. A good blad rai ape but in small qustit thers may be dyed to suit thers may be dyed ate alve ade before they are made ufacturer. It is extimsted th

OSTRICII FEATILERS
ppesent prices, the value of the andual conpution of the rough undressed aiticle inay sumption of from 30,0001 . to \(35,000 l\). ; of which mount to from , may the remaiuing \(\frac{1}{4}\) from Iigypt and Aleppo, by in of France.
in the cetimation of the value of ostrich fenthers, Files, as a rule, consider the uhitest and most whent to be the best. The best whites vary from ortet to 30 l . per lb . woirdupois, and the whites dallqualities mixed together, from 10l, to \(17 /\). per (1) Blarhs vary from lifs, to \(5 l\). per lb., according wheir lengtl: and quality, the longest being the whiluable The ostrich featier is esteemed * the greatest value of all other feathers, if wexcept the Marabouts or feathers from the White Paddybird, which are worth from 25s. to \(5 l\). pur ounce.
The French have for many vears past obtained woplies of Cape feathers and Marabouts from Widon, and they often purchase Mogadore feathers ia the came market. They export to most of the ofise in Europe both the manufactured and untrwed article.
Sioce 1850, the fashion of Continental Europe, Inided chiefly by the Imperial Court of France, buremonn a decided preference for feathers as ormants for ladies and children's liats and bonnets, wd as trimmings for dresses and mantles, not exdasirelf confined to ostrich feathers. Tropical binds of rare and brilliant plumnge contribute a luge thare to the prevailing fashion, such as the hird of Paradise, the Himalaya or Imphian phewat, the Argus plieasant, the parrot, the unvo fom India, the vulture, the cassowary, remespecimens of humming birds, from South , mana the emin or Australian ostrich, the gede duck from European Turkey, the golden addilrep pheasant, the common pheasnnt, and the beros from the British Isles. These are the mat important smong the birds whose plumnge mom used for ormament and trimmings, and the nocof many of them has greatly increased. The andecturers of London and Paris supply nerrly anhoie civilised world with these productions their finished atate, London having the largest ade in ostrich feathers, and Paris in those of \(n\) wey character. A leading manufacturer of great sperience (Mr. Da Costa Andrade) estimates that London alone at the present time the number young women employed must exceed one wand, whose wages vary from 5 s , to 20 s . per net, and that the value of ostrich and other athers imported into the United Kingdom for in bianch of commerce may amount to \(215,000 l\). a mnum.
Experiments ars now being made in South frica to domeaticate the ostrich on large farms. It meeting of the Colesberg Agricultural wietr's Committee on Octoher 8, 1864 (Graautien Journal, January 24), a Mr. Von Mallitz thed, from his own experience, 'The opinion have formed with reference to the extent ground requisite for their grazing is, that 35 wsean be carried, year in and year out, lipon Suctes of good grazing land, I mean land rather perior to the common run. At the end of last pril, I had the wings of the birds plucked where feathers of commerce grow. In consequence the yf hof the birds, those feathers then obned were valueless. I now find, by recent mination, that the bircus will be fit to pluck an at the end of the present month, verifying bitatement made at the last Swellendam ahow oas of its members, who was, like myself, eximenting in this novel description of farming, the ohtained feathers tully grown from his

OWNEPS OF SHIPS
085
ostriches every six months. The general opinion is, thit the largest feathers, of which there are 24 on the wing of each male bird, are worth 251 . per lb., and that the yield of the whole plucking, the majority of the birds being males, will not falt short of 101 . each on the average. The original cost of the young birds was about \(b\). each.'

As yet no definite results have been published to show the success of these experiments in South Africa. An attempt has been made by the 'Acclimatisation Society' of Paris to obtain feathers from ostriches reared there, but it is fornd that such feathers are far inferior to those importel, having more of the downy character of the swan, than the rich flue of the ostrich.
The imports in 1867 were as under:-
\begin{tabular}{|c|c|c|}
\hline & Quantities & 1rectared Value \\
\hline White. & 1b. & \(\boldsymbol{\varepsilon}\) \\
\hline From llamlurg & 516 & 1,150 \\
\hline Fyance- & 6,163 6101 & 17,31\% \\
\hline Argentine Confe: & 4,131 & \\
\hline British Powessions: & & 860 \\
\hline in soulh Atrica Other parts & 7,189 & 30,781 \\
\hline Total & 18,957 & 73,519 \\
\hline Dlack. & & \\
\hline From Prance \({ }_{\text {Portugal }}\) & 16,832 & 24,877 \\
\hline Ekjut : & 1,989 & 4,0\%0 \\
\hline Argentine Confe: & 1,936 & \% \\
\hline deration & 735 & \%00 \\
\hline Britikit Posestajons in South Africn & 10,504 & \\
\hline Other parts - & 160 & 479 \\
\hline Total - & 32.468 & 62,645 \\
\hline (Grand total & 31,419 & 136,164 \\
\hline
\end{tabular}

In the same ycar we exported \(2,247 \mathrm{lb}\). of white and \(2,069 \mathrm{lb}\). or black feathers. No duty is now paid on feathers.
[We are indebted for this curious and valunble article to Robert Slater, Esq., of Fore Street.]
OWNERS OF SHIPS. Property in ships is acquired, like other personal property, by fubrieating them, or by inheritance, purchase \&c.

No ship is entitled to any of the privileges of a British ship until she be duly registered as such, and all the provisions connected therewith, enibodied in the Mercantile Slipping Act of 1854, the \(17 \& 18\) Vict. c. 104 , be complied with. [Registry.]

A British ship may belong either to one lidrvidual, or to several individuals. It is ordered by the Act just cited, that the property of every vessel of which there are more owners than one, shall be divided intes 64th shares; that no person shall be entitled to be registered as an owner who does not, at least, hold one 64th share; but that any number of persons not exceeding ifve may be registered as joint owners of a share. It is further provided by the same statute, that not more than thirty-two persons shall be owners of any one ship at any one time. Companies or associations may hold property in ships on a specisl declaration in regard to the ownership of such body being made by their secretary or other authorised functionary in the terms prescribed by the statute.
Neither the property of an entire ship, nor any share or shnies in such ship, can be transferred from one individual to another, except by bill of sale or other instrument in writing; and before the sale is valid, such bill or instrument must be produced to the regiotrar of the port at which the ship is registered, who is to enter the names, residences \&c., of the seller and buyer, the number of shares sold \&c. in the book of registry of such ressel, and to indorse the particulars on
the bill of asie. [Seca. 57 and 58 of statute, art. [Riginthy.]
llut, thongh compliance with the direetions in the statute accomplishes a complete transference of the property when the transaction is not in its mature illegal, it given no sort of recurity to a transference that is otherwhae bud. The pureliaser shond in all cuser endeavour to get possessiom of the ship, or of his share in her, as soon an his title to her or it in aequired, by the registration of the particulars of the bill of sale; for though all the formalitien of sale have been completed, yet, if the sellers continue as apparent owners in possession of the ship, their cerediturs may, in the "vent of their beeoming bankrupt, nequire a right to it, to the exclusion of the purchasers. In the case of a sale or agreement for a part ouly, it is ronough if, the salo being completed, the soller ceases to act as a part owner. (lord 'lenterden On the Law of Shipping, part i. c. 1.)
l'roperty ill ships in sometimes acquired by copture. During war, her Majesty's slips, anti private ships having letters of maryue, are entitled to make prizes. But before the captors acquire a legal title to such prizes, thẹy must bo condemned in the Admiralty or other court constituted for that purpose. When this is dome, the captors aro consulered to be in the same situation, with respeet to them, as if they had built or purchased them.
No person having the mortgage of a ship, or a share of a ship, made over to him as a security for a debt, shall be deemed an owner, or part owner, of such ship. And when such mortgage has been duly registered atcording to the provisions of the det the right and interest of the mortgagee nre net to be affected by the bankruptey of the mortgagor, though he be the reputed owner, or part owner, of such ship. [Secs. To-72 of statute. art. Reastur.]
In the articlo Mantens of Sinirs in given an account of the liabilities incurred by the owners of ships for the arts of the masters. But it has been attempted to encourage uavigntion by limiting the responsibility of the owners, withont, however, depriving the freighter of a ship of an adequate security for the faithfill performance of the contract. 'Io efleet this desirable object, it has been enacted, that the owner or owners shall not be linble to make good any loss or damare huppening, without their fault or privily, to any grods put onl bonrt any ship or vessel belonging to such owner or owners, further than the value of such ship or vessel, with all its appurtenances, and the freight due, or growing due, during the voynge that may be in prosecution, or contracted for, at the time when the loss or damage has taken place. ( 17 \& 18 Vict. c. \(10 \%\) s. 50\%.)
This limitation was first introduced into our law by the 7 Geo. II. c. 15. But it had previously been adopted in the law of Holland, nad in the justly eclebrated French Ordinance of 1681. In the Ordinance of Rotterdam, issued in 1721, it is expressly declared that 'the owners shall not bo answerable for any net of the master, done withont their order, any further than their part of the ship amonots to.' Independently, however, of this general agreement, the exprediency of the limitation appears, for the reasous already stated, sufticiently obvious.
It was also enacted in 1786 ( 26 Geo. III. c. 60) that neither the master nor owners of any ship or vessel shall be liable to answer for or make good any gold or silver, diamonds, watches, jewels, or precious stones, lost or embezzled iluring the course of the voyage, unless the shipper thereof insert in his bill of lading, or deelare in writing to
the master or owners, the true nature, quality, an value of such articles. This testriction is en bodied in the Mercantile Shipping Act (sec. 5nai whth the further condition that the ewners shal not be liable for nuy damage done to goontu board by fire. We subjoin the clauses in on statute having reference to the liability of the owners.

Ourner not lizble in respect of certuin frtictio. No owner of any sea-going ship or shate therein slatl be liable to make crood any loss of date age that may linppen without his actual fatita privity of or to any of the following thing viz.: -
I. Of or to any goocls, merchandise, of othe things whatsoever taken in or put on brard an anch ship, by reason of tuy tire happeaing bonrd such ship.
\(\geq\) Of or to muy gold, silver, diamond watches, jewels, or precions stones taken in put on board any such ship, by reason of robbery, embezzlement, making away with secreting thereof, unless the ewner or shipp thereof has, at the time of shipping the sam inserted in his bills of lading, or otherwise d clared in writing to the master of owner such ship, the true nature and ralue of articles, to any extent whatever. \((17 \& 18 \mathrm{~F}\) s. 503.)

Measure of Owner's Liability,-13y the J clant Shipping Aet of 185.4 this liability limited to the value of the ship and freight d but the \(25 \& 26\) Vict. e. 63 further limitel: llability as follows:-
Ship-owners' Liability limited.-The owners any ship, whether British or foreign, shall \(n\) in cases where all or noy of the following erea oceur without their actual faule or privity, the is to sny,
1. Where any loss of life or personal injuy is caused to any person being carriel in en ship;
2. Where any damage or loss is canied any goods, merchandise, or other things th soever on board any such ship;
3. Where any loss of life or persomal ini is by reason of the improper narigation of sa ship as nforesaid caused to any peron eati in any otleer ship or boat;
4. Where any loss or damare is by rase the improper navigation of such ship asia said caused to any other ship or boat, or tha goods, merchandise, or other thiurs whatioxt on boarl any other ship or boal; be allswerable in damages in respect of hos of or personal injury, either alone or twether mi loss or damage to ships, boats, goods. menth dise, or other things, to an agurenate ama exceeding 15l. for each ton of their ship's nage; nor in respect of loss or damare io \({ }^{\text {bi }}\) coods, merchandise, or other things, wixb there be in aldition loss of lite or peremal inf or not, to an aggregate amount extedins of cach ton of the ship's tonnare; sach com to be the registered tomaye in the case of sivi. ships, and in the case of stean ship then tonnage withont deduction on acount diag room:

In the case of any foreign ship which iss \(h_{0}\) or can be measured necording to Britasiar. tonnage as ascertained by such mestrim shall, for the purposes of this setion in derm to be the tonnage of such ship:

In the case of any foreign sbip riad bass been and cannot be measured ande fritain the surveyor-general of tonnage in the Crith Kinglom, and the chief measuring viet in a

\section*{olstrin}
rue mature, quality, and his restriction is enlippintr Act (sec. \(\mathbf{S O}_{2}\) ) that the owners shall asce done to gools on in the clauses in the to the liability of the
ect of certuin Irtichts, y ship or slante theren grod any loss or clan hout his actual fault. of the following thing
ls, merchandise, or othe in in or put on board ans f any fire happening
goll, silver, diamoni ceions stouey taken in It ship, by seasen of ans it, making away with d ess the owner or shippe ne of shipping the sam lading, or otherwise in the master or owne? nature and value of sud whatever. ( \(17 \& 18\) Vio

Liability.-lly the Mo f 1854 this linbility wis the ship snd freight da c. 63 further limited il
ty limited.-The ownes ritish or foreign, shall ad any of the following ereal ctual fanlt of privity, th
ss of life or personal inju erson being carried in sa
amage or loss is camed nitise, or other things the y snch slip; ss of life or personal inju improper narigation of 3 cansed to nay person cam r boat ss or damage is by resing ration of such ship as when other ship of wat, of Hz or other thiurs whatare ship or boat;
hages in respeet of lose of ither alone of tugethe hips, boats, goods, merri , to an aggregate amm ach ton of their ship
of loss or damare to \({ }^{2}\) it of loss or damage to sh or other things, oss of life or pesens m. te amount exuedic: p's tomage; soch toes tonuage in the ctie of sy nse of stean shipe tar luction on acewnts fast
foreign ship rtidh hasx according to Britsisne ned by such mesiutim es of this se such ship: y foreign ship thid bas measured ande Bribial 1 of tonnage of the hief measuring sitier

British possession nbroad, slanll, oll receiving from the direction of the court hearing the easo sueh nifeace concerning the dimenslons of the ship sif may be found practicuble to fornish, give a ariffate under his hand, atathig what wonl! in Lis opinion have been the tonmage of such ship if we had been duly measured aceorling to British bers and the tonuage so stated in such eertitlente jubl, fo tho purposes of thls section, be decmed abe the tonnare of such ship. ( \(25 \& 21\) Vict.

Limitation of Inralidity of Insurances,-Insranes effeeted against any or all of the cvents aumented in the section last preceding, and aurring without such nctual fault or privity a therein mentioned, shall not be invalid by wath of the nature of tho risk. (See. 55.)
Proof of Passengers on board last Ship,In my procedlng under the 506th section of beprincipil Aet or any Aet anending the same xuinst the owner of any ship or slare therein in bapet of loss of life, the master's list or the drliate list of passengens delivered to the proper forer of eustons under the 16 th section of 'The Puenters Act, 1855; shall, in the nbsence of wol io the contrary, be sufficient proof that the ranons in respect of whose death any such ןrowation or proceeding is instituted were passenota of bonard such ship at the time of their darbs. (Sec, 56.)
Proison fur separate Losses.-The owner of treve sargeing ship or share therein shall be liable in repect of every such less of life, personal injerry iss of or damage to goods as aforesaid, ansing of distinct oceasions to the same extent wif eother loss, injary, or clamage had arisen. fiid 15 Yiet, \(\mathrm{s}, 506\). )
When sereral freighters sustain losses exeeedmin the whole the value of the ship and freight, ter are to receive compensation thereout in provtion to their respective losses; and any one jughette, on behalf of himself and the other firigtees, or any part owner, on behalf of himself wis the other part owners, may file a bill in a oun of equity for the discovery of the total anowt of the losses, and of the valae of the slip, ed for an equal distribution and payment. If dis bill be filed by or on behale of the part owners, Abeplantiff must mako aflidavit that bo loes not ounde with the defendants, and must offer to pay de raue of the ship, and freight, as the court shall Exit
it is usual in most countries, where the partcrees of a ship disagree as to her employment, to gire those possessed of the greater number of sand power to bind the whole. But in this woutro, while the majority of the owners in value bre authority to employ the ship as they please, beinterests of the minority are secured from king prejudiced by having their property enard io an adventare of which they disapprove. on this purpose it has been the practice of the Cous of Adminalty to take an obligntion from the who desire to seud the ship on a voyage, in same equal to the value of the shares of those tho olject to it, either to bring back and restore Do hem the ship, or to pay them the value of their hares. When this is done, the dissentient part mers bear no portion of the expense of the out\$ and are not entitled to a share in the profits of te rorage; the ship sails wholly at the charge edrisk, and for the profit, of the others. (Abbott, art i. c. 3.)
For the statutory euactments as to the sale and ansfer of ships, see Registuy.
OISTER (Ostrea edulis), OYSTERS (Lat.
the ; fr. buitres). A well-known and highly
valued shell-fish, found in great abondunce and in the grentest perfection in muny places along our shores. In antiquity, as in molern times, the oysters of Iritain werg held in tha highest estimation. Jurenal, in illustration of the fastidious trate of the Roman epicures, says:-
\[
\begin{aligned}
& \text { (intres, callebat jumio deprenatere morno. Sid. Iv, } 110 \text {, }
\end{aligned}
\]

Oysters differ in size and qualit.s, according to the different mature of the grounds or beds on which they are fumme. 'They are partienlarly nhundant in the creeks nad rivers of lissex and Kent, mad in varibus parts along the south coast and the coast of Wales. Ireland is atso well supplied with bysters; these of Carlingford being the gratest favomrites. The beds in the lrith of Forth, aljacent to bidinburgh, are very valuablo. And those of the Chanmel Islands, espicially Jersey, furnish large supplies.

Oysters are not nlways earried direct from the places where they are found to market, but are frequently conveyed to artiticial beds, where they are fattened, nad where their flavour is said to be improved. This sort of industry has been long practised by the traders who supply the lamiton inarket. The small, wate, deep-shielled oysters, called natives, which aro here most esteemed, are all brought from artificial beels at Whitstable, Rochester, Milton, Colchester, Jurnhan \&e.; those from Burnlian being reckoned the best. Inasmuch as the oyster does not breed freely, and often not at all on these beds, they wonld require, even though they were not dredged, constant restocking.
The consumption of oysters in London is immense; for, notwithstanding their high price, they are largely consumed by tho midille and lower classes. It has been variously estimated, but may, perhaps, ammally amomet to from 25,000 to 30,000 bushels of natives, and to 100,000 bushels of other varicties. The consumption of oysters in Edinburgh and Leith lias been estimated at 7,350 n day. The export of oysters from Jersey amounted, at an average of the 4 years ending with 1822, to 208,023 bushels a-venr: of these a large portion came to London; bit in the accomnts tor 186:3-67 the total exports of fish from the Channel Islands are given in cwts. without distivation of varieties.
oysters are very abundant on many parts of the shores of the United States; and their consumption in New York and other preat cities is very large, though some of the statements that have been put forth with respect to it appear to be extremely exaggerated. Baltimore is the grand seat of the American oyster trade. Supplies of oysters are sent from the feeding grounds and beds belonging to that city to most parts of the Union. (For further information with respect to this curious and interesting subject, see the excellent article on the Oyster in the work of Forbes and IInnley On British Mollusca, ii. pp. 305-329; Eyton On the Oyster, passim; Pennant's British Zoology; The Oyster, when, haw, and uhere to Find \&ic. 1863; Oyster Fishery: the Laus which regulate it in Ireland, being chiefly a reprint of Articles from various sources, Dublin 1864 ; \&c.)

The disposition of the English and French, as of all other fishermen, to encroach, in pursning their business, on the grounds belonging to the others, gave rise to many disputes and collisions. To terminate these a convention was agreed to in 1839, by which commissioners were appointed to ascertain and fix the limits of the fishing grounds
belonging to cach nation．These，which were laid down ill a chart affixed to the award of the com－ missioners，were fixed，peaking generally，at 3 miles＇distanco from low－water mark nlong the shores of both countries；and the tishing bouts of cither were prohibited from coming withlı these limits of the coasts of the other，except from atress of weather，the intluence of the tides，or other apecilied cians．The reguiations inid down by the commissioners were enrried＇into effect by the Act \(6 \& 7\) Vict，c．70，to which the were appended； and it further provided that the oyster ilsheries should open on September I，and close on April 30. It way afterwards enncted by the is \＆ 10 Vket． c ． 101，that all oysters and drefges found on bonri lisining vessels betweell May 1 nud August 31 might be seized，and that oysters landed between the above dates mlglit also bo selzed．
A doticiency in tho orilimary suppiy of oysters， and the risk of their permanent decline，led the Legislature in 1866 （29 \＆ 30 Viet．c．85）to make provision for the maintenance of oyster and inussel disheries；nud to attain the same end certain rules are laid down in the Sen Fisineries Act of \(1868,31 \& \$ 2\) Vict．c． 45 ，which repens the previoun Acts nirendy referred to and contirms tho Fishery Convention with France of November 11． 1867.
The following is an abstract of Part III．of the last－mentioned Act，which refers to oysters．
The loard of Trado，on memoriai，can make an order for tho estabishment or improvement，and for the maintenauce and regulation of theso beds． （Sec．29．）

If on consideration the Board of Trade approve， the promoters must cause printed coples of the drant of the order to be circulated among ail persons having interests in the land adjoining， who may make oljections within one month． （Secs．30，31．）
After this interval，the Board shall appoint some fit person to act as inspector，who is to hoid a sitting or sittings concerning the subject matter of the said order，and receive cvideuce（sec．32）； the inspector must report（sec．33），and as soon as convenient the Board of Trade shaii acttle and make the order（sec．SI），after winich it must be published by the promoters（sec．35），who shali defray all expenses．（Sec．36．）
The contirmation of the orders must be made by Act of Pariament（sec．37）；if petition be presented against Bill confirming order，the Bill shall be treated as a private one（sec．38）． The Board of Trade may amend the order．（Sec． 30．）

Those who obtain an order ohail have the ex－ clusive right of depositing，propngating，dredging， and fishing for and taking oysters and mussels within the limits of their fishery（8ce．40）

The limits of the fishery to be mnrked．（Sec．42．）

The portion of tho neashore shall be lield tu be within the county．（Sec．43．）
No grant call be conferred for more than yenrs．（Sce．41．）
If the tishery is mismaraged，the grant may be reaumed．（Sec，45．）Cousent of the Crown nevder when tho seashore is adjacent to Crown iand （ Hec .46.\()\)

Compensation，if needed，to be made to the owners of the shore under the lands Clunses Con nolidation Act．（Sec．17．）＇The order must not maile argainst rights conferred by apecial Aet of Parliament or royal charter，jurescription，of in onemorial usage，without tho consent of partios interested．（Sec．18．）Copies of the order nad Acta mint be kept for sale，under a penalet of 51．and 14．per diem．（Sec．49．）Alamal ite port to l＇ariinment to be made by the Board o Trnde（sec．50）．The fishery shall be pootected ngainst the use of any fishing tackle，other than for flonting fish，against dredging，deposit of ballay or rubbisit，placing any implement dc．likely to b prejudicial to the beds，under penalities varyin from 2l．to \(10 l\) ．besidea damages．（Sec，53．）theo follow certain additional regulationa for protection of oyster beds．The Act does not extend tolirian or tho Channel Isinnds and Msn．The exceative of thla Act is committed to certnin sea fluhen oilicers，viz．commissioned officers of her Majesty？ ships on full pay，officers of the coast guatd and customs，and persons appointed by the Frend Government to superintend the fisherios referm to in the convention with France，s．8．An orle in conncil of February 4，1869，contains a series d regulationa for iettering，numbering，and register ing sea fishing boats under the Sea Fishene Act of 1868．Tho 31 \＆ 32 Vict．c． 53 continge in force the Aet 2 Geo．II．c． 19 for regulatin the Oyster Fishery in the Miedway．

Irish Oyster Fisheries，－Licenses had bee granted under 56 Vict．c．106，and \(13 \& 1\) Vict．c．88，for the purpose of estsblishing orse beds in Ireiand．By \(29 \& 30\) Vict．c． 88 ，th license is granted by commissioners；the fisherie are protected by the same prorisions as ar quoted above，and the commissiocers may rerok the license，if no proper ateps are taken to use th license after the lapse of three years．The porea of the Irish Fishery Cornmissioness，and th process by which the fisheries shall be derelopec are carricd out by mother Act of tbe sam session， \(29 \& 30\) Vict．c． 97 ，the particulind which，mutatis mutandis，are the same as thow of the Act for Grest Britain；and by \(31 \& 8\) Vict．c． 45 s．67，the Irish Fishery Commisiooce are authorised to lay before her Majestry io coana by－laws for restricting or regulating the dred ing in any oyster beds near the lrish const by outsido the exclusive lishery limits of the Brith Isies．

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PACKAGE，SCAVAGE，BAILLAGE，AND PORTAGE．Duties formerly charged in the port of London on the goods imported and ex－ ported by aliens，or by denizena being the sons of aliens．
During the dark ages，it was usual to lay higher dutics upon goods imported or exported by aliens，whether in British or foreign ships，than were laid on similar goods when imported or ex－
ported by natives．But accordieg as sunder ery more enlarged principies prevailed，this silibery distinction was gradually modifed，and ru： length wholly abolished，in ao far it leat us was of a public character，by the 4 tcm c．16．This Act，after reciting that the everet duties and restrictions imposed br raines Acte of Parliament upon merchandise arr，br the alte rations of the trade now carried on butiren thir
ged, the grant may be t of tho Crowa needed cent. to Crown lands.

1 , to be made to the te Lands Clanses Cono The order must not be rred by aperial Act of ar, preacription, or imathe consent of the 3.) Copirs of the ortet : aale, uniter s pemalty Sec. 49.) Annual Re made by the Board of cery shall be protected hing tackle, other than dging, deposit of ballast plement \&c. likely tob ander penalties rurying nages. (Sec, 53.) thea egulations fur protectivan oes not extend tolmeland al Man. The exsention d to certain sea fubhery 1 officers of her Majesty of the coast guard an ppointed by the Frencl nd the fisheries referm 1 France, a. 8. An orile 1869, contains a series o numbering, and registen inder the Sea Fisherie : 32 Vict. c. 53 continue - If. c. 19 for regulation c Medwsy. ies.-Licensea had beet ict. c. 106, anal 13\& ose of eatablishing ofste \(9 \& 30\) Vict. c. 88, b nmissioners ; the fisheria same provisions as as ommissiuners may erole steps are taken to use thy threc years. The powe Commissioners, and to heries shall be derelope hether Act of the sum c. 97 , the particulas 6 is, are the same as thos Britain; sad by 31 \& 3 ish Fishery Commissione fore her Majesty in conges or regulating the dredy ncar the Insh coart hy hery limits of the Bnis
t according so sonder 4 es prevailed, thit illivern ed, in ao far at least as eter, by the at Gea ll reciting that the evert imposed br rivios Act rehandise ant, by the alte charried on biween te

PACKETS
1'ALEKMO
080
kiedom and furelgn Stater, in nome cases become bipmecessary burden upon commerce, without moding any real advantage to the public remuce, ind that it in expedient they should no wrate continue,' enact, that the duty commonly alied 'the petty customn,' impored by the 12 Ch . ilf and all other additlonal duties imposead by any a apoin the coods of aliens above those payable Iy atu: l-born subjecta, should be no longer Frisle. Act then goes on to provide, that whing rowainel in it shall 'alter the duties due adprable upon goods imported into or exported this kingtom in any foreign ship, tho: the iave of partuge and scavage, or any duthes anted by charter to the city of London ;' and Weafollow provisions to prevent the eity being druded of such dutles by false entries of aliens' mis the uame of a British subject. (Chitty's (iamercial Law, vol. i. p. 160.)
The duties thas preserved to the city were not wry beavy ; but the principle on which they were mowed was exceedingly objectlonable, and their mietion was attended with a great deal of moble and inconvenience. Not being levied in aber plsees, they operated to the prejudice of the tade of the metropolis. For these rensons, wo dered, in the tirst edition of this work, that ' if dinds of the corporation will not admit of their Woong the liberal example of the Legislature, by rolantarily abandonin' this vexatious impost, if rould be good policy to give them a compensation for relingulshing it.' And this suggestion the sine been carried linto effect. The Act 3 \& 4 Wim. IV.c. 6 f suthurised the Lords of the 'Treasury to pathese up the duties in question from the city lhis was donc, at an expeuse of nbout Hiwh, and tho duties were abolished. There a a alle of the duties in the Ilrst edition of this rikh
PaCKETS. [Docks (Soutiamiton, Livellmuldc); Dew Yobk; Passengeas; I'ostofice.
pileimo (anciently Panoumus). A large arrmad seaport, the capital of the noble island of Siat, on the north coast of which it is situated, be lighthonse being in lat. \(38^{\circ} 8^{\prime} 15^{\prime \prime}\) N., long. \(15^{\circ} t^{\prime \prime} 50^{\prime \prime}\) E. l'opulation, in 181'2, 167,625.
The bay of Palermo is about 5 miles in breadth, the citr being situated on its south-west shore. a fine mole, fully \& mile in length, having a lightbuse and luntery at its extremity, projects in \(n\) kathely direction from the arsenal into 9 or 10 tahems water, forning a couvenieut port, capable d containing a grent number of vessels. 'Ihis immsise work cost ubout \(1,000,000\). sterling in itu construction; the lighthonse was improved in ifis3. It gives a Hash every 2 minntes, and is noshle at from 11 to 14 miles. It is 92 feet above high water. There is an inner port, which is resered for the use of the arsenal. Ships that do mat mean to go within tho mole may anclior about t mile from it, in from 16 to 23 fathoms, the mole unt bearing N.W. \(\frac{7}{}\) W, A heary sea sometimes milsinto the lisy, but no danger need be apprebeaded by ships properly found in auchors and chain cables. In going into the bay, it is necessary to keep clear of the nets of the tumny fishery, tor these are so strong and well moored ns to be capstle of arresting a ahip under sail. (Smyth's Sicily, p. i0, and Appens. p. 4.)
Joney,-Since 1818, the coins of Sicily have beea the same as these of Naples, their names only differing. [Narles.] Then ducat, \(=3 \mathrm{~s}, 5 \cdot 2 \mathrm{ll}\). neriing, is subdivided into 100 bajocchi and 10 piccioli; but accounts are still generally kept in ancie, tari, and grani: 20 grani \(=1\) taro; 30 tari \(=\) loncia. The oncia=3 ducats; and 1 carlino of

Napiesal taro of Sleily. The Spanish dollar is current at 12 tari 8 grani. For monev of the Kingiom of Italy, ace Coina ; Iirnos ; de.

Weighta,-These are the cantaro grosso, mibdivided into 100 rottoli grossi of 33 oncle, or into 110 rottoli sottili of 30 oncie; und the cantaro suttile, subdivided into 100 rottoli sottili of 30 onele, or 250 lb . of 12 oncle. The rot tolo of 33 onnces \(=1.93 \mathrm{ib}\). avoirilupois \(=2 \cdot 34 \mathrm{ib}\). 'lroy \(=\) 8.73 hectogramines \(=1.77 \mathrm{lb}\). of Amsterdamea 1.8 lb . of Mamburg. Tho rottolo of 36 ounces \(=1.75 \mathrm{ib}\). avoirdupois \(=2 \cdot 13 \mathrm{ib}\). Troy \(=7 \cdot 91\) hectocrammes \(=1 \cdot 6 \mathrm{lb}\). of Amsterdam \(\Rightarrow 1 \cdot 6.1 \mathrm{lb}\). of Ilamburg.

100 Sicitian pounds of 12 ounces \(=70 \mathrm{lb}\). avoir du!pis \(=85 \cdot 11 \mathrm{lb}\). troy \(=31 \cdot 76\) kilog. \(=6 \cdot 1 \cdot 23 \mathrm{lb}\), of Amsteritam = 65.58 lb . of 1 lamburg.

Measares,-1'he saluas grossa \(=9 \cdot 48\) Wineh. bush.: the salma generale \(-7 \cdot 62\) Winch. bush.

The principal jiguld measure is the tonna, divided into 4 burili, each equivalent to \(9 \frac{3}{\hat{H}}\) wiste galions, 1 barile \(=2\) guartare; 1 quartnra \(=20\) quartucei. The catliso of oll \(=4\) Eng. Gnllons.

The yard or canna= \(=8\) palmi; \(2 \frac{1}{2}\) palms \(=1\) yard ling. (Nilkenbrecher; Smyth, p. 62 App.) These local measmes are now, however, superneded ingreat measure by the adoption of the metrical system, which is legalised throughout the kiugdom of ltaly.

Tares.-Coffee, indigo, pepper, and dye woods, 2 per cent. and weight of package. Cimnamon, is rottoli per serom, with I wrap,ner, of 8 rottoli, with 2 wrappers; cocon, 2 per cent.. weight of packnge, and 3 per cent. for dust; cot-hish, 3 per cent. ; herrings, 12 per cent.; tin, 13 rottoli per barral; wax, weight of package, and 3 to 4 per cent. extra nllowance; Havanuain sugars, 16 per cent.; Brazil do., in short cases, 18 per cent., and in long cases, 20 per cent. ; crushed sugar, weight of cask, and 5 per cent., or 13 per cent. in all, at the option of the buyer; East Iudin do. in bags, 8 rot. to 10 rot. per bag. 1 rottolo taken as weight of bag, for colliee and cocoa in baga.

Charges on Goods.- The regular charges on the sale of roods consignet to l'alermo are-comnmission, 3 per cent.; brokerage, \(\frac{1}{2}\) per cent.; warchouse rent, \(\frac{1}{2}\) per cent.; and porternge and boat hire; with 2 per cent. del credere-imporly being almost always sold on credit. The charges
 are frequently sold duty pail; the prices, however, so obtained, fully compensate for the trilling increase of charges.

The charges on goods exported are-3 per cent. commission; brokeruge, so much per cantaro, salina \&c., generally amounting to about \(\frac{1}{2}\) per cent., except on fruit, on which equivalent to from 2 to 3 per cent.

Trade of Sicily.-The shippingr rose from 7,340 vessels, 935,000 tons, in \(186 \bar{j}^{2}\), to 8,970 vessels, 1,331,769 tons in 1866; 290,000 tons were British, 450,300 tons French, 440,000 tons Italian, in the latter year. In 1867 the uumber of vessela fell to 8,170 , but the tomage rose to \(1,081,179\), the British tounago having decreased, while that of the French, Italians, and Americans increased.

I'he following is the summary of Sicilian trale in 1867:-
\begin{tabular}{|c|c|c|c|}
\hline Countries & Importa & Exports & Total \\
\hline A merlca, United States & \({ }_{33,450}^{\text {e }}\) & 424, \({ }_{\text {E }}\) & 61,880 \\
\hline ISaltec, Delyium, Gier. many & 331,076
398,960 & 394,500
3090,100 & 715,536 \\
\hline France \({ }^{\text {Great }}\) Britain and co- & & & 903,060 \\
\hline \({ }^{\text {Hanics }}\) Hatian States \({ }^{\text {a }}\) & 757,819
163,177 & 930,439
444,30 & \(1,687,869\)
\(\mathbf{4 1 2 7} 707\) \\
\hline Other countries & 392,970 & 314,500 & 907,470 \\
\hline
\end{tabular}

The rate of exchange durugg the year 1806 was 2t-bio livres per jumal stepling.
 18ibl the imports and exports of siefly were un-



Tho great artiches of expurt from siclly areoliveoil, grabi, parthoularly wheat and barley; silk, brimatone, whe and brnidy, larilla, lomons and ormuger, lemon juice, manma, shame, linsed, frult,
 stome, rags, skins, honey, cutton wosh, siffinn de, Whent is largely exported. It i', of a mixad puality, haril, and is generaly sold fom tho ponblie magazimes, or morimatori (post), by meanafe, withont whight. Bhit the best hard wheat grown lin the

 twern weight and monsure being mado gowd ty the seller or buyor, as the case may he. Whe is primeipatly shippoif from Marala; lemons, aranges, null lemon juble, from Niswina ; salt, from 'l'rapmal; and Inarilla, from the somilurn coast. ISut nll the articles to be fomal on the coast may, for the most part, be had it ladermo; maldes, however. the quantity requifed be small, it is usually hest to ship them from the outports, the expense of their conveyance to l'alurmo being very heavy. The crops of barilla ami shomats come to narket in August ; but brimstone, salt, oll, wine, ragi dr. may generally be had all the year romut. 'the tirst mlapments of lemons nul ornages may be made in the begimuing of November. I'urchases of produce are always pail for in cash, generally of on makiag the gureluser, nul the other of on delivery, when in lialermo, nud of receiving order tor delivery on the const.

The imports consist of cotton stuffs, linens, ant woollens; sugar, coffec, cocon, ilye stuffs, irm, earthenware, spices, coal, fin, hisles, Newfoundland cod, timber for building de. The best of the old necounts of the trade of Niclly that we have met with is contained in Swinburne's Tratels in the Tuo sicilies, 4(o.e !. vol. ii. Ip. 401 -413. Wo have, also, deriven much valunble infurmation from the elnborate Reports of Mr. Cunsal Goodwin, one of the most intelligent of that class of functionaries,
The value of the imports into sicily from the United Kingdom amounted in 1856 to 451,0001 , in 1857 to 399,0001 ., and in 186i7, as we see above, to 757,610l. The principnl articles are cotton stuffs and yarn, linens and wooilens, iron, coal, bardware and earthenware, colonial prochere \&e.
Remarka on the Trade Sor. of Aicily.-This noble island contains about 10 faio s, unre miles, being the largest in the Medit rrarcan, and one of the most tertile and best sitnat \(i\) in the world. Its popilation in \(\mathbf{8 6 2}\) was \(2,391,802\). In ancient times, sicily was celebrated for the number, magnitude, and opulence of its cities. Notwithstanding that its population was then probably treble its present amonnt, it obtained, from its furnishing vast supplies of corn and other articles of provision for the use of Rome, the appropriate epithet of 'horreum Romnnorum,' and is suid by Lavy to have been 'Populo Romano, pace ae bello, fidissimum annone subsidium.' (Lib. xxvii. cap. 5.) But ('quantum mutatus !') there are now fow countries in which agriculture and the arts are in so degraded a state. It does not, however, appear very ditheult to account for this melancholy ehange. After the overthrow of the Liuman power, Sicily was occupied successively by the Greeks, Saracens, Normans, and French, till at length it became a dependency, first of the Crown of Spsin, and more recently of that of

Naples. It is to thin dependener, and to the trolnction of the feudal aystem by the Nurma That ita backward atate ls prlucipally to ba cribed. The multiplied alouses which grew io Spain under the relgn of F'erilinand and his ", surs of the Austrian line, thuriahel with luxurinnce in Sicily, nud hare proved ta destrnctive of the hidustry and civilisation of inhabitants than thoso of Sjain. Misquermat the aluses of tho terulal system, insecurity, muernal nub afhitrapy taxes, lave here, as ev where else, paralysed indostry, tuat impowerith the people.
Ilit tho grand curso of Sicilian, as of Sardigit inalustry, will probudbly lef foumd in the oppresin resirictions that wero fur a lemer time lail on exportation of corn. Down tor a lato prial eurn could the exported without leave being tanes! from the Real I'atrimomia, a bady pretemeded to take an accomit of the cropis which determined whether there were to bee exportation ; and in the everst of lis being allowe it issured, or mather solli, licenses to a few lavour individuals, anthorising them to export certe specilad quantitles. beven had Sicily been times more prodnetlve than she really is, it quite impossible thut agriculture could ha tourislsed under nuch discouragements. Lacki these oppressive restruints have been abolish and there are no louger any obstacies to the exportation of corn. Oppressive taxes, the w of leases of a reasonabie length, and of practict romis, nre still, perhaps, the greatest ebstacles ngriculture.
At the present time (1869) the union of wa nll Jtaly, with the chief islands adjoining, un one nind that a responsible Guvernmen, leads to hopo that at no very remote date the cunm cial prosperity of Sieily will progtess with social and political libertica. At present, asmig be expected, this progress is slow. The devel ment of the kingdom of I taly has been chacked the great eost of the wars undertaken for the pa pose of securing Itallun mity, by the expent which a popular (ioverument invariably entails anl for some time after its establishment, by fact that politien chaages do unsettle and deran trade, and by the delnys which timidity and action have put in the way ot those changes whis must be accepted before any great progress possible. These difficultics and hindrances been felt most fully in the outlying parss of Italian kingdom. 'I'hus, duting the year 18 there was an insurreetion in Sicily; and 3 Ir . C sul Goodwin has been justified in affirning the induatry of Sicily liay been checked by event, a. \(\mathbf{7}\) well as by the severe visitation of cholera in that year and 1867.

The property of the island was valued in 18 when the English garrison and fleet occaiont great demand, and high prices for prodace of Kinds; and this valuation has been coatinud this day, as the basis on which the land house tax (fondiariu) is levied. A rate of 7 cent. on the valuation was first charged, wir was subsequently raised to \(12 d\) per cent, at no it is now fixed. Owing, as is stated, to fall in the price of ngricultural produse s 1811, this tax has been alleged to be more equivalent to a duty of 25 per ceath on produce of the soil takea at its proseat raing to be a very great obstacle to improvement believe, however, that its intluence in this mepe though eonsiderable, has beea much oreraty and that the bsckward state of Sicily is pin pally owing to other and different cases.

Though there be in Sicily a very considerals.
encro, and to the in unt by the Supman rincipally to bo a es which grew limand auh lis saco ourished with linve proved bou and civillmation of aill. Mixgovernment teln, insecurity, an , luave here, as perty try, and imporerish's
icilins, as of sardinias nund in the oppress! loner time laid on 1 It to a late peried thout leave being trimonit, a booly mant of the crops, there were to be an ent of its being allowe enses to a few favour hem to export certa en land sicily been is un mo really is it griculture coula ha ouragements. Luckil :s have been abolishd ny obstacies to the fr orensive taxes, the wa angth, and of practicat the grentest obstacles
869) the union of neas islands adjoining, und lo Government, leads emote date the cuame , will progress with 1es. At present, asmig as is slow. The deselo taly has been chacked andertaken for the pr minity, by the expens nent invariably entails its extablishment, by do unsettle and deran which timbdily and y of those changes wh 3 any great progress es and hindrances b ic outlying parts of during the year in Sicily; and Mr. Co stified in affirming as been checked by severe visitalion of 867.
and was valued in 18 il and fleet occasione prices for produce of has beea continued which the land levied. A rate of \(7 \mid\) ss first charged, whi 6 \(12 \frac{1}{2}\) per cent. \(2 t\) , as is stated, to cultural produce sir lleged to be more 5 25 to at its preseat ralae, e to improvemeat ontluence in this rape been much orernate ate of Sicily is prin ifferent causes. cily 8 very consideral
aumber of amall proprictors, by far thas grenter modite land belonige to the Crown, the Church, Whe nubility, womu of whom have very oxmave mal sabuable estator. Down to \(n\) recent yonded thene were licile umber a nyatemo of atrict gal and their wevoluiers, as well as thone of thon are of the Crown and the Churel, usially lield mide townial leases, mul were in a rate of hatal bondape, and mulyject tor numerons ex-
 cmumances, evell though there hat been one restrictions on exportatioll nor a lami ma depressed combition of the poasmitry, as the liwe state of ngrieniturn, need not bes rolered t.
Bat the dawn of a beiter day had arisen, even Whe the establishomet of the Kingelom of ltaly; wend inputant changes having been introtaed anterier to the expminion oi the Ihourlous. Thase alraaly notired the removal of the re-
 In were passed for the mbolition of the fendin] nem and the complate ennucipation of the wemity, Amb, notwithstunding the paverty winnarace of the laterer will himler them from maily profining to the extent that might be digatel from the passing of theso Jaws this anat fail, in the end, to les proeluctive of the beffect It was also enacterl in 1819, that in fruenon the death of any individual fossessed of a thte in land, and having more than oma matbetalf only of the estate whouht desecmil io the fle son, and that the ather half should be dridesiequal shares nmong the other children. This be which aplogers to have been framed on to widd of that which regulates the anceession bperte in Frunce, will prohally have nearly malerficets. In both countries, the alanses of aulid might have heen obrlated withou1 running tit the opposite extreme, and estalhlishing a Fhem that can hardly fail in the end to oceasion ctungrat division of latuled property.
Enclusive of wheat and barles, hemp, flax, and whem are raisel without much lahour.: Iho culfor of the last is mail to be exiculinge of late maseapecially in the ocighhourhoorl of Mazzara. lis mostly short-rimpled, and but litte in exprol, and that onsy to Naples and Trieste. It apotable, however, that by altention to its cultur and the introduction of inproved varicties, n quality might be improved, and it might Whare an articlo of nenie inportance. The magrane was furmerly a staple protuct of the wath sarre of Sicily, But owing to the introbation of cheaper sugar from the West Indies \({ }^{1}\) brail, the culture of the cano is now restited to some small plantations near Avoln, mid will probably at no distant period be wholly dundoned. The culture of wheat is now to a pat extent abandoned for that of rice, flax, and ation.
Thedistrict round Marsala is the prineipal seat dibe rine culture; and, thanks to the exertions \(\checkmark\) suae Enclish capitalists established in that eity, the production of wine is beceme an important thoch of industry; and it forms a principal article deport. [Wixe.] But, except in the English1 vablishments, little cure is in general bestowed matbe rintage. Along the north coast, the mouncinstopes and valleys are almost wholly covered tib olive groves; though elsewhere they aro ate and do not furnish sufficient oil for the inwinnts. But for the imperfections in the mode (is preparation, the cil of Sicily would be exthe olives are permitted to hang on free till they come off with shaking, or Hing with light esnes; and they are then
kept in vata lift they het quite blick, wos that the nill becomen pungent and rancid, mul, thongh lit for the lamp, in totally unfit for the tuble: It in ouly neme tho capitil and hin few other placea that a more improved jrocesa in followed. Lamona nid oranger, whing grow lixurinutly, are of excellent quality, well mopted for long voyngea, mul, when lintenided for expirtation, are collented with nore enro than any other agrieultural prombet. They are lurgely exportel, nud are : Itogether highly importmit. Almomis, pistn a lions, dinter, madider, the barilla phat, hamed-muta, the Ricinua palma, or castor oil plant, safiron, to loneed fer, might nll ber ralsed in, my ghantity; but their centhere is for the mont part neglecten, or It comineted. The millierry is grown in the vieinity of Mrselina, and in the north-eant part of the iskand; but the prodnen of nilk doen not exered \(400,000 \mathrm{lb}\). a-year; and the sensons of 18 fith mul Isti7 have licen no mufuvournble that it is feareld Sleily will become promanobly the least prodnetive of the silk distriets of the Itnlime Kingiom, 'The manna anh is grown mear thes caplant, and, manma mot lsing monopmised ly the Govermment in Sisily, it infght he a much more extensive and profitable articlo of trade than it renlly is, If there were any publise enterprise. Lifuorice is found growing wild in several parts of the islanil, and considerable quantites ot juice are exported. The cinture of Alimate is a groen deal attended to, and it forme a principal article of export.

Formerly there were only certain porta from which corn conld be:oxported; a limitation which gave rise to the establishonent at these ports of public magazines or earicatori, where the corn may he deposited till mn opportunity oecurs of mhipping it off. I'roviled it boof gool guality (mercantibile or recetibilr), ant provided it be brought in immediately nfter harvest, or, at liurthest, in August, it in warehousel free of expense ; what it gnins la bulk nfter that period (about \(\delta\) jer cent.) Treing sulltsient to defrny all expenses. The ri:celpt of the caricator, or keeper of the magazine, is negotiable like a bill of exchange, mid is the olject of speculative purchases on the exchange at P'alermo, Messinn de., necording to the expeeted rise or fall in the price of corn. The depasitor of \(n\) quantity selle it in such portions as he pleases, the whole being faithfully accounted for. The publie magazines, in some parts of the island, ner either excavations into caleareons rock3, or holes in the ground shaped like a buttle, wallel up, and made waterproof, contnining each about 200 salme of corn, or about 1,600 linglish hushiels. Tho neek of the bottle is hermetically closen with a stone fastened with gypsum. Corn may ve thus preserved for an indecinite length of time; at least, it has been found in perfectly good order after the lapse of a century. (Simond, p. 040 ; Swinburne, vol. ii. p. 405, For an account of the vil caricatori of Naples, sec Ohive Oil.)
The fisheries are chiefly conducted by corporntions of fishermen, or moneyed individuals. That at Palermo employs, during the scason, from 900 to 1,000 boats, and 3,500 tishermen; and the proluce is valued at from 20,000 l. to \(25,000 l\). a-year Tunnies, the fish principally caught on the Sicilian coasts, and which were in great request in antiquity, as well as in modern times, are of large dimensions, being generally from 4 to 8 feet in length, with a nearly equal girth. Their flesh is highly nutritious. The shoals of tunny enter the Mediterrancan early in the ycar. The tonnare, or fishing establishments, on the Sieilian coast, are more extensive and valnable than those
of any other part of the Mediterranean. The fishery of the sword-fsh is conilned chietly to the Straits of Messina, and the anchovy and pilehard thsheries to Sienlania. Lentini has some trade in motarga, made of the roe of the mullet. The coral tishery, near Bonn, in Afrien, is principally frequented by fishermen from 'Irapani, at whieh eity the coral is polished, and brought for exportation to Catanin, Naples, Leghorn de.
Tho minernls of Sieily are important and valuable. Sulphur ranks first ; it is found in great quantities imbedded in blue marl, or in gypsum and limestone, over most of the central and south parts of the island. The sulphur mines have been wronght for upwarts of 300 yenrs; but it is only since 1820 that any extraordinary quantity bas been prepared for exportation. Subsequently to 1833, the trade with this country increased so much that the export of sulphur to the United Kingdom rose from 19,122 tons in the above year to 38,654 tons in 1838 . In this year, however, the Neapolitan Government granted to a French company the monopoly of the trade in sulpirr tho production of which was to be limited to ( 000,000 quintals, to be supplied to the company by the proprictors of the mines at certain fixed prices, on condition of the latter paying to the Govemment a bonus of \(\mathbf{4 0 0 , 0 0 0}\) Neapolitan ducat a-year. It is needless to dwell on the impolicy and absurdity of such a project. Instead of attempting to limit the export of sulphur, Governmeat shonk have given it every possible facility; ant taking the export under a free system at only \(1,000,000\) quintals, it would have yielded, at the low duty of 2 s . per ewt. on export, a larger sum than was to be paid by the company for their monopoly. Luekily, a firm remonstrance by ringlaud oceasioned the suppression of the monopoly, and the sulphur trade is again restored to its former state. In 1863, 152,762,615 kilos were exported. The total export of sulphur from Italy (almost entirely from Sicily) in \(186 \overline{0}\) was \(145,316,135\) kilos. Some sulphur mines are wrought by English speculators, with machinery brought from England, and workmen from Wales, Comwall, and Scotland; but in most of the other mines the pacesses are very rude, and, in melting, a great part of the sulphur is allowed to escane in gas, to the destruction of the surrounting vegetation. Sicily furnishes saltpetre of excellent quality in sufficient quantity for her own consumption, but from want of enterprise little if any is produced for exportation. Roek salt, bitumen rypsum, and marble of different kinds, are found in various places; and good salt is made at Trapani, and other coast towns. There are also ores of copper, lead, mercury, and iron, but very few of these are wrought. There are no iron foundries in the island, and iron and tin gools are principally imported from England, lead from Spain, and steel from Germany.
Had not the bounty of nature towards Sicily been counteracted by vicious laws and institutions, she would undoubtedly have been one of the richest and finest of European countrics. All that she requires is security of property and freedom of industry. Let but these be given to her, and a ew years will develop her gigantic resources, and elevate Girgenti, Termini, and Sciacen to a very high rank among corn-shipping ports, though so late as 1806 Eastern Sicily was dependent on foreign countries for corn. A railway 58 miles ong has been opened between Mcssina and Cutania with good prospects of success.
PALM OLL (Ger, palmöl; Fr. nuile de palme, huile du Sénégal; Ital, olio di palına; Span. aceite de palma) is oltained from the fruit of several
species of palms, but especially from that of the Elais Guineensis, growing on the west coasts Africa, south of Fernando Io, for some distan inland, and in Brazil.
The oil palm reaches a height of from ts to 40 feet. Its fruit consists of n nut or kernel, sur roundel by ant arillus or pulp, and when crown is alwout the size of a chestnut, the being about \(\frac{1}{3}\) of the whole bulk. The fur grows in elusters, much after the manner of clus ters of gropes, only a great deal larger, someclue ters welghing ns much as a cwt. When fullo ripe, the fruit, which has a very thin skin, is of beantiful bright orange colour; in taste, the pu has a slight approach to swectness, and is bet wholesome and agreeable to ent.
The oil season on tho west coast of Afric is from February to September. When ni the fruit is collected in troughs or reservo of the most primitive description-oceasionall cven in boles dug in the gromen, pavidat bottom with stones-whero it is exposed to hent of the sun, which in a short while partial separates the pulp from the kemels of nuts, 1 separation being completed by beating or bruisin the fruit with pieces of wood or etones. Ih kernels and stems having been renioved hy han the pulp is put into carthen pots and boild ; th oil being in this way separated from in fibroussul stance which pervades the pulp, and from otto impurities. The whole of this process is so nd performed, that there is necessarily great was When the oil has cooled down, it coneretes about the consistence of butter, and is thea re for the cask. It retains nearly tho same cras tence יpon importation into this country; it \(h\) no particular taste, but has a pleasant aroma smell, and is of a yellowish to \(s\) deep orn colour. The finest oil is generally of the deer shade. By keeping it loses its lright colour, th into a dirty white, and becomes rancid, in whil state it is rejected.
The natives on the coast use it for thessmen pose that we use butter. In this countr; and the continent of Europe, it is made iato sa candles \&c. ; and it is employed, in conjuati with other materials, to lubricate the asiem rnilway carriages. By far the greatest consm tion of palm oil, however, is in soap making, which purpose, as well as for candles, it requ to undergo the somewhat expensire proces bleaching. It is sometimes imitated with by ard, coloured with turmeric, and scented florentine iris roct.

Hitherto our supplies of palm oil hare derived almost entirely, if not exelusivel, in the Bights of Biafra and Benin, and other ps of the west coast of Afrien, of whica it is stnple article of export. It is occasionally brous in small quantities from the Cape de Fe Islands, the West Indies, and Brazil; but if nevertheless the produce of the cuast of tir indirectly imported.
The trade in palm oil, which took is ria ds the beginning of the present century, is air grent magnitude and value. In Isto fhem ported into England was cstimated at colr ous, received from the Bight of Biarfa; whem in 1857, the whole importations amountal corting to the official returns, to tim it is worth, at the market price of tul petmog \(1,700,000 l\)., and affording emplormeat to amount of shipping. Since 1828.20 man d 1867, the inports have beell nearly atace at a little over 40,000 tons per momit re-exports of pnlm oil in \(156 \sigma^{\circ}\) wan Matiol valued at 526,4681 .
nlly from that of the on the west coasts of ' 0 , for some distance
eight of from 15 to 40 n nut or kerncl, burpulp, and when full on chestnut, the pulp hole bulk. The fruits ter the manner of clus-- deal larger, someclusis a cwt. When fully a very thin skin, is of lour; in taste, the pulp sweetness, and is bo to eat. west ceast of Alric eptember. When nipe eptrmbagh or reservirir lescription-occasionall he ground, paved at the aere it is exposed to th in a short while partialt the kernels or nuts, th ted by beating or bruising of wood or stones. Th ig been removed hy hang then pots and boiled; th parated from \(n\) fibrous and the pulp, and from oth ef this process is so mude is necessarily grent wast oled down, it concretes f butter, and is then read ins nearly the ame cans on into this country; it h ut has a pleasant aroms yellowish to a deep ona 1 is generally of the dexp \(t\) loses its Lright colbur, fa ad becomes rancid, in whil
coast use it for the samep ter. In this countr; and rrope, it is made iotes so t is employed, in conjuni lis, to lubricate the asko By far the greatest coosur wever, is in soap making, cll ns for candles, it requil newhat expensive process metimes imitated with turmeric, and scented in
plies of palm oil hare be frely, if not exclusivel!, in a and Benin, and othar pa of Africa, of which it ut ort. It is occasionally brem es from the Cape Indies, and Brazi: i.
n oil, which took is ise is he present centurts is ad ud value. In low the dr nd was estimated at ahb the Bight of Biafra; wher e importations amontict ficial returns, to faitu thet price of tol pet fording cmplorment dina ng. Siace \(185 \%\), misma have beell hearlf fint


Of late years an oil hins to some sumall extent wenabstracted from the kernel or nut of the oil wh but it is essentially different in charneter Gna that known as palm oil, and. probably from monskilful manner in which the natives exton it, is of censiderably less value. It is hardly rasery to observe thint the trado in palm oil mains to do more than nnything to introduce we fur commercind pursuits, and consecuent tridilisation, among the natlves of Africa. [OHI.t] pillPIILLi'1. A small book, usually printei a the octaro form, and stitched, popularly underwh to cumprise from 1 to 10 sheets.
Itis pacted by 10 Anne e. \(19 \mathrm{s}\). . 113, thant mo pan shall sell, or expose to snle, nny pamphlet ratout the name and place of abode of some bovo persion, by and for whom it wns printed or wished written or printed, thercon, under a yealtr of 201, and costs.
Itis enacted by the 55 Geo. III. c. 185, that wart book contaiuiug 1 whole shect, and not aneding 8 sheets in 8 vo . or any lesser size; or \(m\) exseeding 12 shects in 4to. or 20 shecets in hin, bhall be deemel a pamphlet. The same Aet innel a duty of 3x. upon each shect of one copy dill pamphets publisleed. 'This duty, whieh wis a me vexatious nud unproductive, hardly ever rulang more than 1,600 , or 1,1001 . a-year, was mapaled in 1833.
In the 1859 editien of this work was given (cine Bross) an account of the number and enling pice of the pamphlets published in 1850 , 183l, ad 185\%. Some pamphlets have a very lare ske: but, speaking generally, their publialimi gaite as hazardous as that of books. Theerillshment of Quarterly and other Reviews humened the occasions and the demnus for pamplets.
Pidilla, A city ame senport of New Grawh, en the lacific, 38 miles S. E. of Chngres, lat. F 5 S. X. long. \(79^{\circ} 13^{\prime} 2^{\prime \prime} \mathrm{W}\). Population about 40, It itsuds on a rocky peninsuln, proanisy into the Bay of Panama, and Las an opsiug aspect from the se:i. Its streets are Fel reotilated, and it is said to be clemer than ess Sparish Aanerican cities. It is encircled by requalar and not very strong fortitications, conFenked at uifferent periods. The houses are relf of wood, atraw, and other fragile materials; zmany are substantially built of stone, the larger ring coutyards, or patios, in the old Spanish Ih; and no doult it hns been macli improved thin the last two or threc years. Its roadstead madithe tinest in the world. There are a number iilasads a short distance from the main land, tich adord secure anchorage for ships of any then, and from which supplies of provisions, condigy exeedlent water, may easily be obtained. etides daily rise and fall from 20 to 27 ft., so etitis veculiarly well titted for the repair and piding of ships.
Priously to 1740, when the trade with the cine first begsin to be carried on reund Cape m. Pauma ws the principal entrepot of re between Europe and West America. 1From t petiol, however, it fell effi; and its decay wns alarly rapid ofter the independence of South rene, anil the opening of the other ports of the ric. But since the occupation of California by Americans, aud especially since the discovery be autiferous d coposits in that country, it has an rapied ly increased. And now that a railway rried ecross the isthmus, it will, in all proba\$0 ltain to greste: commercinl distinction than Gopel in humbers of stcauners are now (1869) loped in the tride between Pmama and San

Pussuge across the Isthmus of Punamie or Darien. -Intterly, or since the discovery of the mineral riches of Caliornin, the istlimis has become a great thoromghfnre, vast mumbers of individuals having crossed from the port of thagres on the Caribhean Sea to l'anama on the lacilic Ocem, and conversely.
'I"Ae port of Chagres is within the mouth of the river of that nume, in lit. \(9^{\circ} 18^{\prime} i^{\prime \prime}\) N., long. 7:30 \(59^{\prime} 2^{\prime \prime}\) W. A bar at the month of tho river has only from 10 ft . to I: lit. water, though within the bar the river decpens to from 4 to \(i\) fathoms. It is prohable thint the bur might be deepened without much ditlienlty; nod a canal might be cut from tho botion of the bay of Manzanilla io the river, from which it is only :3 miles distant. A short while ngo the town (it so it might be called) was a incre cluster of huts, mulialthy, and withont any accommodation for passengers. But having latterly become one of the starting points in the nearest and shortest route from the cust to California, it has been greatly improved.
A rulway from Aspinwall to Panama, a distance of upwards of 47 miles (eompleted in 1864). has been constructed by a joint-stock company of New York, and retlects great credit on Americnn enterprise and perseverance. (See Mr. Bidwell's description of it, furnished in M'Culloch's Geographical Dictionary, ed. 1866.) The ditliculties to be overcome were of a very formidable description, partly from the nature of the gromed, which not unfrequently consisted of deep marshes, but mor: from the luxuriance and strength of the vegetation through which it was necessary to penctrate, and the heat, moisture, and unhealthiness of the climate. Unluckily, the desire to aceomplish their task in the shortest time and at the lenst expense, tempted the engineers to execute the work in a superlicial manner, subatituting, in many instances, briilges, viaducts, pillars \&c., of wood, for those of stone, mortar, andiron. In a country where the rlecomposition of vegetable matter is so very rapid, this was as false and spurious a species of ecenomy as can well be imagined. Already many miles of the railwny have had to be repaired or rather reconstructed, by the substitution of lignum vita and other hard wools for the softer ones that were lirst used. This, however, will do little more than pallinte the evil; and there can be no doubt that eventually stone and iron bridges and viaducts will hnve to be used instcal of weoden ones everywhere along the line.

Trains take about 3 hours in pnssing from sea to sea; but supposing (which is not the case) that this railway were everything that cound be desired, still it is plain that the grand devideratum is the carrying acress the isthmins of a water communication between the Atlantic and Pacitis: Occans. We do not mean by this a canal suitable only for consters, or vessels of comparatively small burden. Suels a channel would be of litule use, excent to the countries contiguous \(\mathbf{t}\) o its termini. What is really wanted is a cannl that wilt almit slips of the largest burden, and bound on the longest voyages. The advantuges that would result from having the isthmus perforated by such a chamel cannot be easily exaggerated. No other project that appears to be within the limits of possibility, perhaps not even the carrying of a ship canal across the Isthmus of Suez, would give: so.great a stimulus to commerce and navigation. It wo:ld remove the barrier which renders the navigation between the eastern nud western coasts of Ainerica so tedious nnd difficult. And, by doing this, it ivould enable ships from Europe to rench the latter and the Pacitic in less than half the
time they do at present, while it wonld grently facilitate the voyage to Australia and China.
A grand project of this sort is on foot. It is proposed to cut a canni that shanl admit ships, of 1,000 tons burden and upwards, between l'orto Escoces (lat. \(8^{\circ} 5^{\prime} \mathrm{N}\)., long. \(77^{\circ} 21^{\prime}\) W.), near Point Caledonia, in the Gulf of Darien, on the Caribbean Sen, and the Rio Snvana, which falls into the Gulf of San Miguel, on tho Pacific. The intervening space (about 38 or 10 miles) is said to be comparatively flat; the ports at each extremity are easy of access, and have deep water; and it is proposed that the canal should be constructed throughout on the same level, and have no locks The cost of the project is estimated at from 12 to 15 millions sterling. Censidering the vast importance of such a work to the United States, to this country, and, indeed, to all maritime nations, this expense, heavy as it may appear, should be reckoned a subordinate matter. Were the country through which it is to pass in the possession of England or the United States, it would, most probably, have been undertaken. But the unsettled state of Central America, and the knotty questions that might eventually arise as.to the property and management of the canal, are serious obstacles to its being proceeded with. (Sce for ample details on this interesting subject the work of Dr. Cullen, entitled Isthmos of Darien Ship Canal. The learned doctor is, probahly, a littie too snnguine in favour of the project, but despite this excusable bias, his work is instructive and valunble.)

PAPAL DOMINIONS (Trade witit). The Gazette of January 6, 1853, contained the following cleclaration on the part of Great Britain, establishing n system of perfect reciprocity in trale and navigation with the Papal States. The declared value of onr exports to these States amounted in 1858 to 409,4751 ., and in 1867, these States having in the interval been seriously reduced in extent by recent annexations to the Kingdom of Italy, took from us British produce te the extent only of 15,801 .

Declaration.-The undersigned, her Britannic Mnjesty's Charge d'Affnires at the Court of Tuscany, having received from his Eminence the Cardinal Antonelli, Secretary of State to his IIcliness Pope Pius IX., the assurance that no other or higher duties or charges are levied in the ports of the Papal States on British vessels than are payable on national vessels, nor on goods imported or exported in British vessels than are payable on the like goods imported or exported in national vessels, has received the commands of her Majesty to declare:
1. That no duties of tonnage, harbour, lighthouse, pilotage, quarantine, or other similar or correspouding duties, of whatever nature or under whatever denomination, levied in the name or for th: profit of the Government, public functionaries, corporations, or establishments of whatever kind, shall be imposed in British ports upon Papal vessels, from whatever port or place arriving, which shall not be equally imposed in the like cases on national vessels, and that no duty, eharge, restriction, or prohibition shall be imposed upon, nor any drawback, bounty, exemption, or allawance withbeld from, goods imported into or exported from British ports in lapal vessels, which shall not be equally imposed upon or withheld from such goods, when so imported or exported in national vessels.
2. That no other or higher duties shall be imposed on the importation into the dominions of her Britannic Mnjesty of any article the growth, produce, or manufncture of the Papal States, than are or shall be payable on the like article
being the growth, produce, or manufacture of other foreign conntry. That no nther or hish duties or charges shall be imposed in the Briti lominlons on the exportation of any article to 1'apal States, than such as are or may be payai on the exportation of the like articie to any no forcign country; and that no prohibition shal imposed upon the importation of any article crowth, produce, or mnnufacture of the \(P\) States into the British dominions, nor upon exportation of any article from the British minions to the Papal States, unless such bition shall extend to all other nations
3. That Papal vessels shall be at tiher import into lsritish ports nay nrticle legally portable, and to export from lbritish ports articic legaliy exportable, on pnyment of the daties, and with a right to the same bounties drawbacks as are or may be payable or allom in respect of the same nrticles if importel or ported in national vessels.
4. That all vessels which, nccording to laws of the l'apal States, are to be deemed \(P\) ves els, shall, for the purposes of this declarati be deemed Papal vessels.
5. That the following stipulations shal apply to the consting, trade, which is reserved clusively to national vessels.
6. That if any ship of war or merch of the Papal States slaull be wrecked an of the British dominions, such sif, et any parts thercof, and all furniture and app nances belonging thereunto, and all goods merchandise which shall be saved therefiom the produce thercof, if sold, shail be faithr restored to the owners, upon being claimed them or by their duly authorised agents. there are no such owners or ngents on the s then the said ships or parts of ships. funit appurtenances, goods, and merchandise or proceeds thercof, if sold, as well as all pa found on board such wrecked ships or ree shall be delivered to the Papal consul or consul in whose district the wreck mar taken place, upon being claimed hy him; such consul, vice-consul, owners, or agents pay only the expenses incurred in the presm of the property, together with the salrage, oro expenses which would have been pagable in like cascs of a wreck of a national vesel charge for such salvage and other expensess be made and settled immedintely, subject to right of appeal on the part of the persoa pa the same, as may exist in the Bitish dominh The goods and merchundise saved from ther shall not be subject to duties untess deara contamption, in which case they shall be to the same duties as if they hsd beea impart a Britisil ship.
7. That the forgoing concessious are gry on condition of a perfect and entire recipma fnvour of British vessels in the ports of the States. They shall come into operation fro after the date of the present declaration, 堲 remain in force for seven yess, and farther the expiration of 12 months after nolity linve been given by the British Gorempa by the Papal Government, for teminuing reciprocal arrangement.
In witness whercof the undersigned hus the present declaration, destined to be asd against a similar declaration, on the par a Liminence the Cardinal Secretary of fate affixed thercto the seal of his arms

Done at Florence, the 17th dafel Norer 1853.
P. Campbeu sarle 'The 'similar declaration' of Carimal Ante
or mamineture of an lat no other or hich imposed in the Britis ion of any article to to are or may loe payibh like article to any ath no prohibition shall ation of any artide aufacture of the lap ominions. nor upan e from the Brtish ates, unless such prol other nations shall be at liberty s any article legally from l3ritish portis on payment of the sa to the same bounties? y be payable or allowa uticles if imported or
which, according to es, are to be deemed Pa arp
ng stipulations shall rade, which is reserved essels.
of war Cr metcha, all be wreekeden: ons, such s'ipe all furniture and appus reunto, and all goods nal! be saved therefom if sold, shall be faith ers, upon being claimed uly authorised agent: vners or agents on the s or parts of ships, funity , and merchandise, or sold, as well as sill pa wrecked shipo or rem to the Papal consul or strict the wreck may being claimed by him; nsul, owners, or agents asul, owners, or spearre ther with the salrage, ord ald have been passble 'I \(k\) of a national vessel. age and other expenses immediately, sabiject to he part of th? person pos kist in the Bitish domin handise saved from ther to duties unless clearn nich case they staill bo is if they had been impor
roing concessiois are gro erfect and entire recipmo essels in the ports of the I come into opersuion e present declaration, ino seven years, and further 12 months aiter poike by the British Gormand crant.
rof the undersigned has tion, destined to be ese leclaration, on hep put o inal Secretary of (fut) \({ }^{\text {LI }}\) seal of his arms. ec, the 17 th dare Pration' of Carcianal \(\cdot \mathrm{DD}\)
igroe with the foregoing in the Graztte. It is te exact counterpart of that made by Mr. Scary Cifita Vecchia.]
PLPER (tier, and Dutch, papier; Fr. pupior; carta; Span. papel; Russ. bumara; Lat dra: Atah, kartas; l'crs. kaghas). This highly Fifil substance is , as creryone knows, thili, zastle of different colours, but most commonly the bing used for writing and printing unon, Ifer raious other purposes. It is manufac20f regetuble matter redaced to a sort of pulp. Dremp paper is derived from the Greek пánvoos wayna, see post), the name of the plant on the zot latk of which (libcr, Bißjos, whence our rallowh) the ancients used to write. Paper is sesap into sheets, quires, and reams; cach quire wiving of 24 sheets, and each ream of 20 quires. Histrical Sketch of Paper. Difference bera Ancient and Modern Paper.- Some of those and and incenious persons who have inexigted the arts of the ancient world, have arpaisd their surprise that the Greeks and Lans, though they pessessed an immense ater of books, and approached very near to fuine in the stamping of words and letters, mi mimilar devices, should not have discovered ion: the first rude attempts at typography vire sficiently obvious, thot:gh much time and waringee bave been required to bring the poses to its present state of perfection. But ber ivadid rather, perhaps, have wonderel that he more cidised nations of antiquity did not areat facte \(5:\) : invention which, it may easily y som aceessarily preceded that of printing. Pat 性 ras an exceedingly diffieult task; the mare, that the vast importance of paper could dibe ppreciated, or even imagined, till after hed been generally introdaceit. At first, the aon of important events appears to have mainded dewn by inscriptions cut on rocks, Itrs of stone or marhle, and the walls of edi\(\mathrm{m} ;\) mod this primitive usage is still retained the monnmerts in our churches and cemeteries. 11 ater, though still very remote age, men on mastomed to write upon portable surfaces ruions kinds. Everybody knows that the aingue was written upon tables of stone; and san wrote a copy of tho law upon the like trask. (Josh, viii. 32.) The Greeks and protraved laws, treaties, contracts, and wi:"uit documents, on plates of brass ;
\({ }^{+} \times\), whit a tire which broke out in
cign of Vespasian, consumed be :ze muniments. (Nouveau ide Lindrac yut, i. 45l.) But exclusive plates of eos ert, which were necessarily Wenient, costly, and quite unfit for ordinary din and flexible plates of lead and other als (jab xix. 23, 24), thin pieces of wood, 4 parchmeat, linen, and a variety of similar thaces, were used in writing. Cheaper matestach as the leaves and bark of trees, palms rete atso used from a very remote period for same purpose; but leaves (х́́pral, charta) 4, when dry, apt to split in the direction of tores, it was found to be necessary, in prethem for writing, to glue them together, at the fillies might cross each other in if dircetions, "hic texture of the leaf, or thened may so call it, is thus greatly nened; sud when it has been smoothed, ell, and anted for use, it is less inconvenient better looking than might be supposed. in fact, is the prineiple on which the of the aneients was formed. This, howwhich Whs called charta Egyptiaca, from lace of its manufacture, did not consist of
leaves, but of tho inmer bark of the famous reed or rush, the Cyperus papyrus, found along the banks of the Nile, or rather in the pools and diteles which communicate with the river. The ancients applied this useful plant to an immense variety of purposes; but here we shall only notice that from which it has acquired an immortality of renown. The inner bark having been divided by a needle or other sharp instrument into very thin and broal layers or filanents, portions of those were placed side by side longitudinally, and ghted together at the ends; another portion being glued crosswise on che backs of the latter, to give the page the requisite strength. Pliny and other writers have described the process (IIist. Nitt. lib. xiii. c. 11 , 12, 13), which has beeu further elncidated by llardouin and other commentators. Bat the fullest and ablest diseussion of this curious subject is contained in the very lemened and elaborate work, the Nouvean Traite de Diplomateque (i. pp. 448-5.2 t ), whero the most interesting particulars respecting the listory and manufacture of papyrus, as well as of the greatest number of the other writing materia! 3 used in antiquity, have beon collected and set in the clearest point of view. (Dictionnaire Diplomatique of De Vaines, art. ' Papier,' ii. pp. 165-174.) Brnce lias given a summary of the authorities in the seventin volurae of the 8 vo . edition of his Travels; and, not satisfied with this, he attempted to make paper from the papyrus, in which, not being very suceessful, he mpates his failure to crrors in th, stateinents of Pliny; not reflecting that, had ho endeavoured, trusting to written directions, without experience and traditional art, to mako modern paper, or even a pair of shoes, he would, most probably, have been cqually infelicitous. ligypt enjosed for a lengthened period a natural monopoly of this valuable article; and even attempted, in anticipation of a later policy, by prohibiting the growth of the papyrus, except in certain localities, and limiting its supply, to sell its produce at an artificially enlanced price. (Ameilhon, Commerce des Egyptiens, p. 238.) But this policy ceased on the conquest of Egypt by the Romans, who, having imported the plant into Home, succeeded in preparing from it a very superior article. Pliny enumerates the various kinds of paper, from the coarsest, which was used, like our brown paper, for packing, to the most expensive and finest. The latter, which was made of the innermost filaments, was of a snowy whiteness; and when properly dressed and polished, was casily written upon. The consumption was very considerable; and being, after the foundation of Alexandria, principally made in that city, it formed an important article in her commerce, and furnished employment for many workmen and much capital. Flarins Vopiscus relates, that in the third century, the tyrant Firmus used to say there was so much paper there, and so large a quantity of the glue or sizo used in its preparation, that he could maintain an army with it: 'Tantum habuisse de chartis, ut publice sepe diceret, exercitum so alere posse papyro et glutino.' We may donbt whether the value of the paper at present belonging to any single city would do the like. Charta Euyptiaca is very ancient, having, notwithstanding the assertion of Varro and Pliny to the contrary (Hist. Nat. lib. xiii. cap. 11), been in common uso long before the age of Alexander. This is evident from the statement of 1lerodotus, who, though he lived abont a century before that

3 s 2
conqueror, tells us, that in former times, when patyrus was searce, the lonians wrote on the skins of gonts mid sheep: and thint that practico continued to be customary among several burbarous mintions. (Lib, v. enp. 5..)

I'lough white, minooth, durahle, and not illadapted for writing, aurient paper was not suited tor tho printer: hy reasom of the eloseness of the grinin, it would not have received the ink from types more kinally than shavings of wood, and such bike materials; mid its texture was so very brittle, t'at it would havo nhivered to pieces under the press. It was, in truth, in martitkinl mass ( \({ }^{\text {visecra mivea virenthm her- }}\) barum '), no great invention or ingenulty bring discovered in its preparation. Molern puper, on the other hand, is wholly artitcinl; and the contrivances for its manufacture nro marvellons alike for the sagacity evinced in their design and their practical cflicieney. Like the pajer of an:ifuity, it is formed of the fliaments of various sorts of vegetable substances, derived principally from the tearing to pieces or pounding cotton and lisen rags, ant similar materials, mixed with water. This process is called beating them into pulp; and when examined with a microscope, the flonting filaments are fonnd to be well ditted for adhering together, being jagged and rough, nuli mixed in every possible way. \(\boldsymbol{\Lambda}\) portion of this mixture or pulp being, when properly prepared, pore 1 upon moulds or sieves of tine woven wire, the water id drained off, and the suspencied fibres, falling to the bottom, form a lnyer or sheet, which, being consolidated by pressure and dried, becomes paper, its strength and goolness depending, of course, in a grent measure, on the quality of the rag or other materinl of which it is made. l'aper used to be manubactured by dipping sieves or frames into the pulp; the portion of filaments so lifted up forming the sliect of paper. But the application of rotary motion to the manufacture lins effected a total change in the morle in which it was curried on: instead of dipping the sieves or frames into the cistern of pulp, a circular web, or round towel of woven wire, revolves horizontally under the vessel (technically called the vat), receives the deposit, conveys it nway. and, by an adjustment ol extraordinary delicacy, tranafers it uninjured, though as fragile as a wet cobweb, to a similar revolving towel of felt; thus an endless web of paper is spum, as long, at least, as the machine continnes to move, and pulp is supplied.

The pervious and spongy texture of paper make it readily imbibe and retain the ink impressed on i+ by types in printing, and by tho pen in writing; its toughness hinders it from boing easily torn; and, in a well-bound book, under favourable cirenmatances, its daration is indelinite, and, for all practical gurposes, eternal. It is true that legal documerits are sometimes written or printed on parelsment, which is less liable to be torn, or injurel by rubbing; the luxury of typography occasionally; also, exhibits n few impressions of a splendid work upon vellum; and, it is further true, that these substances wero used for writing upon by the ancients; but they are necessarily expensive, and the cost of either far exceeds the means of the great majority of book buyers : so that it would be altogether unprofitable to east types, to construct presses, and to incur the various and heavy charges of an establishment for printing, unless we possessed a chenper material on which to priat.
Almost all tho more aucient and valuable
existing (ircek and Latin manuseripts wrillent cither on parchenent or vellum pemerally on tho latter. It is simgular, howe that whilo such is the casc, all or almost all very old charters und illplomas aro written pupyrus. Indeed che lonruel authors of Nibueon 7'raiti de Diplomatique nllirm tha purchanenit charter has been discovered ant to the 6th century. (i. 479.)
It appears to be sulficiently extablished prper, finbricated like that now in use, of cou and other vegetnble materinls, and of silk, heen inaminfactured in Chima from a very tem proch. (Nomeatu Traitá de Diplomatique, i. The Arab historings atate that similur paper manufnetured in Mecen about tho beginuing of 8th ecsitury (Andres, Origine e Progressi do Letteratura, i. 202, ed. Rom. 1808, and tiibl ix. 379) ; and most probably the mode production was then, also, known to the Gim It alppeurs to havo been soon after introlu into Europe; but it is doubtful whether were done by the Arabians or Grecks, Them of fabricating paper from cotton adil ol vegetable materials being oneo discovered, fabrication from liaen rags was a compatatio easy, and in Eirrope, where cotton was extremely scarce, an all but necessary step. is singular, however, that we have na pois informution either as to the country whem the spoch when, paper from rags began manufactured in Europe, 'Mais on ne reculer son invention plus tarl quau treirit siècle, ni son usage orilinaire au-deld̀ the qui vieme.' (Nouveau Traite \&c. i. 524.) lu ligyptian paper, or puper made of papyrus the manner deseribed above, continued t partially employed down to the midde of llth century, thongh parchmeat was thea principal material used in writing.
It is curious to oloserve how very alortl? introduction of paper preceded the inveati printing, to which, indeed, as slresdy seen, it an indispensablo preliminary. Juratur butes the ignorance of the barbarous ages cipally to the scarcity and high price of \(p\) and the superior intelligence of modern tim its abunlance and cheapness. (Andres, i. And whatever opinion may be entertiined the first part of this statement, there caa b question that the latter is perfectly well foun
Not only are we in tho dark as to the histo modern paper, but we are unable to make very sat isfactory conjectural estimate of the in whieh it was in-isinted. It is, however, all certain that the invention must hare beea gested by accident, or by observing the ef produced by the aecidental drying of thim egetable matter, or in some such way; sod the hint thus afforded vas gradually impa upon. It is not possible to imagine thas vention should have been wholly tha design; for we cannot conceive hor ans without any previous knowledge, shauld proposed to himself to produce paper by poun rags, or other vegetable matter, mixiag the in water, and then pressing and drying hedem But, witheut indulging in unprofitableonjech it is at all events certain, thast howeret an whomsoever discovercd, no invention bas bef greater importauce. 'Cum charte usp mas humanitas vita constet et memoria.' (Plia. Nut. lib. xiii. cap. 21.) Tha processe by \({ }^{m}\) ho most worthless and vilest materias are verted into such admirablo substanes as \(口\) and glass, are probsbly the greatest triump human talent and ingenuity. They bave

\section*{atin manuserlpla} ament or vellam, It is siugular, howev se, all or altenowt all, liplomas are written tearmed anthors of lomatique nilirm that eeen discovered anter 79.)
iciently established at now in use, of cont terials, and of silk, hina from a very rem ( de Diplomutique, i. 3 to that similar papur bout the beginaing of rigine e Progressi do Ṙom. 1808, and tibb robably the mode of lao, known to the Gree en soon after inirolu is doubtful whether ians or Grecks. The I from cotton and cing once discovered. rars was a comparati whers cotton was all but necesgary atep. that we lave no po: to the coantry where er from raps began rone. 'Mais on ne plus tard qu'an frexii rilinaire au-deld die qua 'raité gec. i. 524.) lin proper made of papyrus d above, continned to lown to the middle of ls parchment was then d in writing. oserve how very alortir or preceded the inventi. deed, es alresily seen, it eliminary. Misraturi of the barbarons ages \(y\) sud high price of \(p\) Ilisence of modern time heapness. (Andres, i, on may be entertained statement, there can \(b\) or is perfectly well for the dark as to the histot o are unabls to make cetaral estimate of the ted. It is, however, an ontion must have been or by obserring the t idental drying of tnind in some auch way; aod ced was gradually impt sible to imagine that thy been whally tin resur not conceive how \({ }^{3 n}\) us knowledge, should 3 produce paper hy poofit ble matter, mixing the sising and drying the dry gr in unprofitable conject rtain, thast hawerer an ed, no invention bas be 'Càm charta usa mis t et memaria.' (Plia. et et memonia. Ths procespes by wh ud vilest materiah are mirable substances as bly the greateat triump ugeninity. They have
in naised the dreams of the alchemists; and wate bea incomparabiy moro inlvantageous than Tre hal become acguainted with a meuns of Ire hatiot the inferior metals into gohl. Vandicture of I'uper in linglund.-I'le nppliding of paper to the purposes of writing und ranting, and the fact of its being indispernsnble to prase wof hiphest utility and importance. Itut, arof the highest ma in a commercial point of view, its volue is wain considerable. Frince, Ilolland, and (benon wifua leugthened period, a desided superiority ans departnent. The tinest and lose paper - in ate of linen rass, its gunlity may bo voped to depead, in in cobsiderable degrece, on tist of linen nsually worn in tho eumentry der it is manufactured; and lais circumsannee inid to account for the greater whiteness of the thath and lelgian papers, as comparenl with就 of the French and Italinns, and still more * Gemanas, The rags usel in the mumbineture drimiug paper in Great llritain are collected at tref but those usel in the manufacture of the W rataing paper are imported, principally, tmally, llamburg, nud the Austrian States, ly ryd fineste. [Rasis.] We believe, however, tio kas owing rather to the want of skill, tune as has sometinics been supposed, to the than quality of the linen of this comintre, that de mandectury of paper was not carried on with mad somess in Eugland till a comparatively mexn peaid, During tho 17 th centary; most part deansupply was imported from the Contimedecially from lirnnee. The mamufacture issidithre been considerably improved lyy the Frad figiges who thel to this country in 1 li88. Butisisisifinctly stated in The British Merchunt (mip. 266 ), that lardly miy sort of paper, ayth hown, was made here previous to the Prdwion. In 1690, however, the manufaciure dribepaper was attempted; and within a few res, _est branches were much improved. In Wimiti s supposed that there vere about 300,000 wasdraper annually proluced in Great Britnin, didid masequal to aliout two-thirds of the whole semplion. In 1783, the value of the papar csully manufactured was estimated at 780,0012 . ulsei, bexides making a sullicient quantity of wh sots of paper for our own use, num for upatsion, wo exported upwards of ti:00,000). mathof boks. The importation of foreign paper ma Piuish consumption had nearly ceared prior whe adolition or the paper duty; but since then therpertation hss gradually inereasel, and in Wire importel (deducting re-ex ports) \(5611,959\). whit, diefly printing paper, from lielgium, Geraur, and france, while we exported IIritish-made mat of abont the rance value, \(\mathbf{5 6} 6,9,438 \%\). A (mall puantity of French paper was used in this mataty for cupper-plate printing till within these try jears; but, in this respect, we now surpass the Frach, and there is no artist of either comntry tho dues not consider Fnglish paper, manufacmadiccording to the latest improvennents, best Maktelfer prints, The French have, howe ver, manje exeelled in the manufacture of very thin (tter paper; anil we obtain from them n small xion of this article, and some paper langiags, Mpinting paper.
In 2813, Dr. Colquhoun estimated tise value of fer annually prodaced in Great Lritain at co, 0000.; but Mr. Stevenson, an ineonparnhly titer authority upon such subjects, estimnted it mody half this sum. From information obtained mon those cagaged in the trade, we ineline to sthat the total amnual value of the paper malictural in the United Kingdom, may at
present (1869) amount to abront \(5,000,000 \%\). Thare were, in 1868, 272 paper-mills in working order in lingland, med 57 in Scotland. Tho number in Ireland is but inconsiderathe. So that, while thu guantity of puper manafachore. lans rreatly incrased since the abolition of the paper duty, the mumber of mills in working order hats been reduced. That is, while the large mills have been inereasel in size and power and employment, the smull ones have bern we. igh abolished.
Many of the mills make a varisty of papers, but the following statemont from the Paper llills Directory for 1869 shows how the different classue of manafasture are divided amontr tho Eaghish mills:-


In \(1861,18,067\) individuals were directly engrged in the trade, viz. 13.5ij7 in Eagland, 4,421 in Scothan, and 28! in Ircland: and, besides the workmen employed in the mills, the paper manafacture ereates a considerable demand for the labsenr of millwrights, machinists, smiths, carpenters, irom and briss tounders, wire-workers, woollen manufacturers, ned others, in the machinery mill npparatus of the mills. Some paris of these are very powerful, and subject to severe strain; and other parts are complicated and delicate, and require contimul rehovation. Owing to this, the mamfacture is of much greater importance, as a source of empleyment, than might at first be supposed, or than it would seem to have been furmerly consideral by Government, who loaded it, down to n very recent period, with nu excise duly amonnting to more than thref times as muth as the total wuges of the workicople "mployed.

It was formenly customary to collect the rags used in the manulacture into large heaps, in order that, by their leatilir and fermentation, they might be the more easily reduced to tilaments. But this injured tho rags; and it is now the practice to tear them to pieces, without any such preparation, by powerful machines, constracted for the purpose.
Duriug the gresent eentary this mamfacture has been si, rially promoted by tbe combined inilnence of science, ingenuity, and mechanieal skill. These have been successfilly exerted in the preparation of the pulp; the conversion of the poly into paner; and the provision of materials: anil in nothe has their intluence been more remarkable than in the last. This is evillent from the fact, that while the mamfacture lats been moro than yuadrupled sineo 18:20, the demand for continental rags and other foreign materials has actuallybeen reduced within that time, in consequence of the immense supply we derive from substances previously regarded as wortbless, aud (reated as refuse. The sweepings of cotion mul hax mills, owing to the grease and dirt with which they are mixed up, were, until within these few years, of no value whatever, exiept as manure. But means having been discovered of rendering them clean and white, they are now made into very good puper; and the neighbourhood of Manchester has. in consequence, become a primeipal sent of the manmfacture. The chemical and mechanical processes by which these materials are purificel, whitened, and made available for the production of pajer, without their strength being impaired, are not only exceedingly interesting in themselves, but are of great national importanee; and, by reducing
the cost of paper, have done ten times more to lower the price of hooks, and dilliuse literature, tham all the efforts of all the socicties that ever existed.
but our paper-makers, nfter the reperal of the paper duty, foume much dithiculty in competing with forcign manufacturers, inasmuch as the trade in rags was nol free, and the later had grenter fucilities for ge timg them at a chonper rate. 'This led our parper makers to smardidiligently tir good sulnstitutes for rags, nud their choico sedons to have fullen chielly on Esparto. In the ten montha muded
 toms of it, and but 11,056 toms of rages. Disparto is used clicetly in the manafacture of \(\mathrm{p}^{1 \cdot}\) thing anl wrapping, and second-class writilug purars. [liniontro.]

The first idea of a machito for comverting palp into paper originated in framer, the inventor being an ingenions workman of the nnme of lanis Robert. A model of this :mathine was hromght to Figgland by M. Leger Didot; and though at first it was far from giving an assurmee of sureress, it sufficed to in:! :co limglish enpitalists and enginerers, particularly Mr. Donkin, to follow up the seheme; and in the course of a fens years they brought it to a high degrec of perfeetion. The late Mr. Dickinson, of Hertfordshire, one of the most intelligent medunists and exteusive paper manufneturers in lingland, invoutel a machine of a different eomstruction for the mane purpose, and introduced also various subsidiary improvements into the mambacture. One of these eonsists in the application of air primps to the process, by the netion of which he produces a partinl vacum under a portion of the wire on which the pulp is in the act of settling, and thus very much atcelerates its consolidntion; in fact, prepinres it ahmost instuntnneously for the ilrst meclunical pressure. The resnlt is all but miraeulous. By the ageney of a great deal of complientel machinery, so admirably contrived as to produce the intended alleet with unerring precision and in the very lest mamer, a process, which in the old system of paper-making occupied about three wecks, is performed in as many minutes. \(A\) continusins stream of finid pulp is, within this brief space of time, and the short distance of 30 feet, not only made into paper, but wetually dricd, polished, and every sepnrate slacet cut round the edges, and rendered completely ready for use. The paper manufactured by this wonderful combination of intelligence and power is, at once, molerate in price, and, for most purposes, superior in quality t" what was formerly made by hand. The sample before the reader, though not the finest thint is made, will warrant what is now statel. Mr. Dickinson also made an important improvement in the paper manufacture, on the prineiple of vencering in cabinet work. Hy making two webs of paper, each by a separate process; and ly laying then together while in an early stage, they are rendered inseparable ly the pressure to which they are subjected. This paper is used in copper-plate printing; and by adopting a peculiar method of preparing the pulp, and selecting a finer rag for the web which forms the face of the japer, it is much better caleulated for taking a fine impression. Its introduction has put a total stop to the importation of that species of French paper, which was formerly nsed in considerable quantities by copper-plate printers. Probably, however, the most ingenious of the modern inventions in the manufacture is that by which Mr. Diekinson contrived, without licreasing the thickness of paper, to embody parallel coloured threads in Its fabric. This novel
deseriphion of paper is now usem in the primetine oxcherginer bills and posinge envelopere, for whi it is alloirably fittexl, inastmoch as it canno commerfeited, except by employing similar chinery, whicla it wonhl cont a great deal constrint, and bee all but. limpossit.le to coneal

The smme gentleman introdicel the veneor mets for removing any iron iniat might beg pre it the pulp, so as to prevent the apperance of in monlat in the puper.

Outy on I'uper.- l'revionaly to 18isg, all writ colourcil, or wrnpping paperas, carilonaris pastebonards, were denomimated lirsi-class mall paid ild. per lb, duty ( 2 ss, pur ewt.) : unt mutnufictured wholly of turred repes, without fur being previdesly eitru.terd, in which case phper was denomilinted end chas, null paid per lb. ( 14 s . por ewt.). Nillboards and boards, made of the smme materials as sml paper, paid 2fal. per llo. (21s. per cwt.) liaty

This duly varied on the diflerent deseriptio Ist, class patper from about 25 or 36 mer cent. the thest, to nbout 200 prer cont. on the curs A cluty so oppressive leil to the commission very ereat fratads, which all the vipilance of otlicers, and the emdless multiplication of dis and penadices, wero unable to prevent ; the effect of such devices being to injure the hen manufucturers, and to give those of a differ charater greater facilities for enrying on th fraublulent sehemes. Ihat, laying out of view a moment the oppressiveness of the duty, anything he more absurd than to interilie manifieturer of thiri-class wrapping paper is to him that the regulation nppliced) from as any other material than tarred ropes? After peace of 1815, and the very general introduc of irom eables, tarred ropes advanced considers in price; lunt as the use of any other materialn erer wonld have oceasionel an increase of per ewt. of dnty, nelvantago condl not bc take this circumstance; so that the excise regula withoust putting one sixpence into the pockefi Govermment, obliged the public to pay an ereased price for an inferior article. Neither this its only efficet: a groold deal of the m thrown out in sorting rags, which might 4 been used in the manufacture of coarse wrapp pajer, was solld by the manufactures for a 3s. per ewt.; whilo a good deal that might been used in the same way, could not be s all, but was al-oolutely lost. It is plain, thered that this regulation had a twofold operation: in aldling to the cost of wrapping paper, be pelling it to be mado from a comparativels pensive article; and secondly, in addiog to expense of line paper, by preventing the eflat the rags used in its manufacture from being \(b\) ticially employed.

It may, perhaps, be doubted, considering the poses to which paper is applied, whether it th have been subject to any duty whaterer. Pring stationers, bookbinders, type-fouaders, copper-plate and lithographic priates, makers, paper-stainers and paper-hangers bc, all affected by a duty on it. And if it be kept within reasonnble bounds, it iccrasies price, and hinders the publication of books places a great obstacle in the way of the pmory of knowledge, of useful and necessary arts thy sober, industrious habits. Books carr the dluctions of the human miud orer the world, and may be truly called the rar mated of every kind of science and art, and of all improvement
Reform, 3rd ed. p. 30 .)
But though, in 1836, the exigacies of
low used is the priutules stage ellivelopers, fur whis innsmumb as it cannot by employing simiar mhl cost a preat deal it Jupeossit lo to coneral. I introduced the use of na iron that might be pres. went the apreatance of itm
cviomsly to 1836 , all writ lif puncrs, cardlomals gonimated drxi-dass pa duty (28s, jur ewt.) : bule of tarred ropes, withunt orfrocted, in which case th ted 2ud class, and paid 1 vt.). Millboards nud sea sumo materings as end cla II. (2ls. per ewt.) luty. II the dillerent description albout 25 or 30 mer cont. 200 per cent. on the cuate ce led to the commissiua hich ull the vigilance sf lless multightication of cher unable to jrevent ; the es being to iojure the hon to give those of a differ acilities for carrying on the

But, laying ont of vien ressiveness of the duty, co absurd than to intenist ribeclass wrapping paper (foc reprulation npplicd from us than tarre'l ropes? After the very general introduct ced ropes advanced considers a use of any other material tre ocensioned an inctease of divantage could not be take so that the excise regulat no sixpence into the pocke ed the public to pay an is inferior article. Neither et: a good deal of the rtiog rags, which might nanufacture of coarse wrap y the manufactures for o a a good deal that might ame way, could not be sol ately lost. It is plain, there in had a twofeld operation: ost of wrapping paper, by rale from a comparativels nd secondly, in addiog to oer, by preventing the refu s manufacture from being
be loubted, considering the er is applied, whether it to any duty whatever. Pro inders, type-founders, lithographic printen, ners and paper-hangers luty on it. And if it onable bounds, it inctease the publication of books. tacle In the way of the pro seful and necessary atz, habits. Books carr the uman mind orer the w. truly called the ram matie cience and art, and of all B Sir H. Parnell on Fina 30.)

1836, the exignacies of
whie service dill not permit tho total repend of do duthes on paper, they ware then inaterially fared. Ite dinty on first-closs papers was wared to the same level as that on papors of tho mod clasa, or from: 3 l . per lb. to 1 had. per Ib.; andafurers of the coarier descriptions of wer being at the same time relseved íron the apertants under which thoy han proviously litrataints and allowed to use any muterial in the usufficture which they may jutige best. The
 inted of statued, over and nbove tha ordinury bron paper, was dion also rejumied, and tho wonl Acts relating to paper were combined geto single statuter.
The iodume of this wise and judielons measure aduelng the price of paper used it printing ad writing was decidedly manifented. I'hu whition of the diserimimating dhty on stnimed appinted paper, was also of material inmortancos. The maction of price it oceasioned cmabled a arehlager clase of jersons (o) get their apmertents papered ; nnd it was in this why productive. ous chly of and additional denumal for paper nad bbar, bat of an increase of eomifort and cleantbines,
This measure nlso in great part obvinted tho mimsice done to nuthors and publishers, by compeling then to pay a dity on the paper naed in pinatigh books previonsly to their publiention; and, maseynently, before it conld he known whether be bowks would sell. When they did not sell, the tashobviously to be paid out of the capitat of the athens or puiblishers, ansel the loss arisingr fova ansuceessfin publishing sjeculation whs intasal by its amonint. [Ante, ]looks.] It is tave but every duty on pajer. how limited soever, mentes in this way, and is therefore obicctionable apriaiple; but the practical hurdship inllicted a athots by the last paper duty was nut very manial.
dieprects revenue, too, the measure wis compiter successful. In 1835, the nett produce of be wduties on paper, in the United Kingrom, manated to \(796,305 \%\). In 18.10 , the reduced cluties paduced \(581,429 l\); and in 1858 they produced Lills, 433 m, being 323,1281 , moro than their proave when the rate of charge was doable. 'I'his surment, however, gives but an imperleet view (dheptortess of the nanufacture: for, owing to tu pemimm (for so it may be called) which the watt pestage regultions give on the use of thanad ight paper, the increase in its producbe wes, no doubt, a goold deal greater than wo night infer from the mere increase of weight.
deter an unsuccessful attempt in 1860, the mpad duty was tually repealect in 1861 . In the 40t yar of its existence, the reecipts were TaM, imo
PAPER HANGINGS. In 1867, we expmed 13,411 cwt. of papper haugingsy of our own menfectre, valued at \(123,042 L\), cliclly to North demein and Australia, and we imported 7,753 Tht difify from Frauce, valucd at 32,5633 . Phere.
pard of gram para. 1 port of Brazil, tate abount 80 miles from the mouth of the Imanan: Poppulation 33,000.
Stipiping.--lu 1865 , the total number of ships ruieh enterel the port of P'ra was 96 , wihh tin tanange; in 1866,133 , with 52,168 toinnare, sdin in 1867,160 of 58,798 tons. There also matex in 1866,96 vesesels of 61,752 toinage, und pre7, 80 vesesels of 59,927 tons, all engaged in Thesting trade, Thess were ecliefly brizzilian. The trade of Para is of great and increasing spratace, the exports having risen during the
ive yenra \(1663-7\) from nbont 5 bh,000) to ujwards of \(90(0,1) 00\), in value. Tho principal exports nro lindir rubber, encons, Irazil muts, and linles. Of these articles the lirst is by lar the most important, the exjort in the yeur \(18 t 7\) luving been \(9,12 \cdot 1,912\) Ih., worili nloont bat 0,000 ). It is collected in large fuantities throughont tho swamp: on the bunks of He Amazon. The exports of cacas and Brazil min, laving declined, aro tynin inerensing.

The ateighbourhood of l'ara also prodaces mиииto, isinglasм, sarmapurilla, mul a little sarar. 'lho inports of l'ara, on an avernge of the three
 in 1807 to \(599,41 t i \%\).


 \(\Rightarrow 14\) imperial gallons; 1 vara \(=1 \cdot 198\) yurd; 1 torado \(=0.714\) yard, 'I'ho depreciation of the: carroney of tha comintry conseguent on the war with l'araguay law created alarm monome capitalists, nud ennseal embarrassment in business transnetionas.
'The rates of troight to Jagland in 1866 were for lulin-rublier, :3!日s. to 45s. per ton; cacao, 50s. ; lirazil nuts, from 35:s.
l'ara is already' a growing town, and wilt become: more important, from its position on the Amazon, and irom tho fact that it therelore is on the roasl to the interior and Pern, since the navigntion of the Amazon was opened to the shipping of all nations in September 18ti7. ('l'ho aboves information is chitedy oblained from Mr. Comsul Ilay's Ileports of March 9,1867 , and February 18ti8.)

1'ARClid. A term indifferently applied to sinall packages of wares, ard to large lots of hoods. In this latter sense, 20 hogsheads of sugar or more, if bought at one price, or in a singlo lot, are denominated a parcel of sugar.

PANCWLS, 131LL OW. An aceount of the items composing a parcel.

PAICLIMLNT ANir VELLLUM. The former consists of the skins of sheep, and the latter of those of calves, prepared in sucl a manner ns to renter them suitable for oeing written upon, for covering books, and other purposes. 'The consumption of these nrticles is very consitlerable. In this and most other countries, it is customary to use them instead of pajer in the drawinf up of a grent variely of deeds and other legal instruments. 'Iley are also extensively used, especially in Italy, in the binding of beoks. 'Ihe finest. copies of the magnicient classics which jssucd from the Dutel pessecs, in the 17 th century and the early part of the 18 th, were all bound in vellitin.
l'urehment is coarser than vellum, and not so well adapted for writing nuon. The qualities of hoth articles differ very widely ; so much so, that the best parchment is preferablo to inierior or even iniddling vellum. The goodness of cach depends partly on the quality of the skins of which they are made, nud partly, and indeed in a very high degree, on the care nnd skill with which they aro mannfactured.

Mistorical Notice.-Tho history of these articles is involved in some obseurity. Varro and I'liny (1ist. Nat. lib. xiij. cap. II), who have been frenerally followed, state that they were origimally mannfuctured at ''ergamns, in Asia Minor, the capital eity of bitumenes \(1 I_{\text {, }}\) r se of Alexander's successors, hit who must not be confounded with Eumencs, the secretary and general of the conqueror, during the reign of that prince; aud that parchment owes to this circumstance its elassieal name of charta Pergetmena. list there

\section*{PARTNERSHIP}
seme to le little if any fumdation for this state－ ment．We have seen，in the preceding article on Pal＇：n，that Ilerodotus，who flourished rather more than a century before Alexander the Great，states distinetly，that previously to his era，when paper （chartit Egyptiana）was senfee，the Iuniams were necastoned to write on the skins of sheep and Foats，and that that practice was then followed （viz．in his time）by several barbarons nations． （Lib．v．cap．68．）And it is all but eertain，seeing that the practice of writing on skis． 8 had been in use for at least \(2 \frac{1}{2}\) centuries，and probably mach more，previously to tho era of Eumenes，that their preparition wonld，in the course of that lengthened period，bo so much improved as to rember them little different from parchment．It is probable，indeed，that their manufacture may have been improved in l＇erpamns；but we incline to think that parchment owes its name rather to the extensive demand for it in that eity，in con－ sequence of Eamenes having amnssed a large und Faluable library，than to anything else．He was，in fact，compelled to nse parchment and vellum in the copying of books，as lis con－ temporary I＇tolemy I＇hiladelphus had pre＇ibited the exportntion of proer．（Ilin，ubi supra．）
＇The searcity of parehment during the middle nges，and in antecedent times，led to the prnetice of obliterating the writing on old parchments，by rubling them with pumice stone，immersing them in boiling water，and such like devices；and there can be no manner of doubt that the prevalence of this practice has been most injurious to liternture， and that it lins most probably occasioned the total destruction of some of the noblest chefs－d＇wavre of intiquity．In the middle nges these were erased，that room inight be made for some worth－ less treatiso on scholastic theology or logic． Sometimes，however，it liappens that the ancient writing is not so much obliterated，but that it may still be read；and to that circumstance the recent discovery of a portion of Cicero＇s treatise De Republica is to be ascribed．It had been effiaced to make room for a commentary of St． Augustine on the Psalms．（See the prefnce of Mai，the ingenious discoverer of this lost treatise．）

Parchments from which the writing has been crased in this way are called palimpsests（from rider，again，and \(\psi \dot{\alpha} \omega\) ，to effice or clean），or repeatedly cleaned parchnents；because they have been repeatedly cleaned，renewed，or prepared for writing upon．If the learned world is ever to be gratified by the recovery of the lost comedies of Menander，or the lest books of Polybius，Livy， and＇Tacitus，it will most probably be by tinding them under some homily or poem of the middle ages，（Noureau Traite de Dijlomatique，i． 482 \＆c．；Dom de Vaines，ii． 177 ；\＆e．）
PARTIAL LOSS．［Insurance（Mamine）．］
PARTNERSHIP．The association of two or more individuals for carrying on some business or untertaking in common；each deriving a certain share of the profits，and bearing a corresponding share of the loss arising therefrom．

The term partnership is usually applied to those smaller associations in which the partners per－ sonally conduct their joint affairs：the term company being applied to those great associations conducted by the directors and servants appointed by the body of the partners to act for them；the latter having no direct concern in the manage－ ment of the affairs of the company：［Companies．］

The ndvantages of partnership are obvious． Many businesses could not be successfully carried on without a larger command of capital than usually belongs to an individual；and most of them sequire the combination of various species of
tnlent．An individual may have capital aufficien to undertake a particular business；but he mater not be thoroughly versed in any of its details he may be familiar with certain parts of it， not with others ；so that it might be for his at vantarge to assume one or nuore individuals as ha partners，supposing them to be without eapion provided they possessed the skill and other nual tleations reyuired in prosceuting the basinea Associations of this sort eunble capital nud tale to derive nil the assistance that ench is capabl？ lending to the other．And as the gains of eat partuer usunlly consist of a certain proportion the total profits made by the company，earh i the most powerful motive to exert himself fort benetit of the concern．It is not，indeed，to denied，that associntions of this sort are oceasim ally productive of misehicvous consequeno Tho pubtic interest requires that the wh partners in a tirm should be bonnd by the acts any one of their number；so that the folly fraud of a single partner may entail very serie consequences upon those associated with biz Generally，however，this is not an evil of frequer occurrence：and there can be no question tha both in \(n\) private nad public point of view， nerships are highly beneticing．
To enter into angthing like a full discussion the law of partnership would very far exced of limits．We shall，therefore，merely atate a fer those leading principles with which it is of is portance that mercnatile men，and the pol gencrally，should be well acquainted．
Formation of Partnerships，－The mere cone of the partners，fixed and certified by acts oro tracts，is qu．te sufficient to constitute a pria copartuership；so that if two or more mertuy or other persons，join together in trade，or in sort of business，with a mutunl，though it a be unequal，participation in the profit and has the concern，they are in every respect to be of sidered as partners．No particular form of wo or proceeding is necessnry to constitute a partiv ship．It may be entered into either by an eya written agreement，or by a merely verbal a The former ought in almost all cases to be 7 ferred．The contract of copartaery should \({ }^{2}\) the parties to it，the business to be canied on， space of time the partnership is to continue， capital each is to bring into the business，the portion in which the profit and \(\mathrm{L}_{3}\) are to divided，the manner in which the businesis be conducted，the mode agreed upon forstis． accounts at the dissolution of the partons together with the special covennuts auapte the circumstances of each particular case．

To constitate a partnership，there must participation in uncertain profits nad loses： the true criterion to determine，when wone advanced to a trader，whether the indiri making the advance is to be looked upor partner or not，is to ascertain whether the mat or profit be certain and defined，or canad definite，and depending upon the accident ofte In the former case he is a lender merely；it latter he is a partner．The mere particpin the profits of any business or adventure，rii a participation in the losses，constitutesipur ship，so far as to render the individual sof pating liable to third parties for the engy of the concern，though as between the 4 themselves it may be no partnership． clerk or other servant stipulnte for a shard \({ }^{\prime}\) profits of any business as a reward forlition he becomes responsible to third paria a partner，and no private arraggement an an his linlility．

\section*{运盛}
have capital aufficient ulusiness ; but he may any of Its details, ertain parts of it and \(t\) might be for his a ore individuals in his o be without capital 1 skill and other gual ecuting the business able capital and talen that eneh is capabh? I as the gains of eat a certain propertion the company, each has to exert hinseli for t It is not, indeed, to \(f\) this sort are occasion shievous consequence nires that the what be bound by the sets ; so that the folly may entsil very senigu a associated with him is not an evil of frequed an be no question thas ablic point of vier, par icial.
- like a full discusion ould very far exced a ore, merely state a few will which it is of it le men, and the pol I acquainted. hips,-The mere come d certified by acts ot on t to constitute a priva if two or more merchana gether in trade, or in a mutual, though it mo on in the protit and low a every respect to be od o particular form of won ary to constitute a parta d into either by an expe by a mercly vertal a most all cases to be ? of copartnety should th painess to be canied on, thership is to continue F into the business, the profit and loss are to in which the businests de agreed upoa for sth blution of the partoen cial covenauts uappte ache particular case. rtnership, there must ctain profits nod losess. determine, when mony er, whether the indirit is to be looked upony certain whether the pra and defined, or cosina 9 upon the accidenta of tom is a lender merelr; o The mere particpuian siness or adventure, rith losses, constituted 4 the individual on tain parties for the enago ghy as between the no partnership. Te \(t\) stipulate for a simd 4 s as a reward forthindow ible to third prria a ate arrangement on an

Ifaindividual, by his own act or inadyertence, Thwimself to appear to the world as a partner, \(x\) is precluded from disputing the fact, even , jugh he have no interest in tho profits. A what who withlraws from 4 tlrm is linhle on sraet who of the remaining partuers continuing his soun in the tirn, thongh withont his consent, yex the the necessary precautlons (post) whow that he has ceased to belong to it.
If there be 110 express stipulation as to the ansment of partnerslip property, the majority bide sis to the disposition and management of code affairs of the firm; or, if there be but wew in firm one may manage the conroparties in a mo thinks fit, provicet it bo within tho whin of good faith, nul warranted by the cirrisutances of the case. The general duty of a canalef is to keep in view, nt all times dind in II tansactions, the interest and welliare of the umorsip, by acting honestly and uprightly, od sa prudent inan would conduct his own firs.
lights and Liabilitios of Purtners among them-mara-Ia the absence of evidence to the contrary, atres are taken to be equally interested in the mreeship slock and effects. That is, they are runadd to be joint owners, with the important freme expressed in legal language: ‘Jus trexededi inter mereatures locum non habet.' Wpist, however, which exercises a apecial juriswivio vee partnerships, interposes here, and stimusu the right of ench partner in the joint teck Tousertain what ench partuer's share in joiul scck is, it is necessary to know what metri il hududed within that denomination. pruter may risk his whole property in the teof a firm, but it may not thereupon be mestip property. The Inw monlds itself to inustion of the narties, when the intention stes serertained. Again, the most scrupulous firir mast be observed. Any one parnner is Fulured to stipulate for any private advantage the expense of the rest: if he do, he is comwhe to occupy the position of a trustee for the vifto f the other partners, if any great breach fiith is committed. Chancery may dissolve purtoesthip, though it does so reluctantly. texemtor does not occupy the place of a "xed partner, unless there be an express pultion in the deed of partnership, that the moror, ot other person appointed by the will, il staceed him. When such a clause does thit ifires the executor an option whether he Tremain, ot securo his share, and a reasonable - most be given him in which to inspeet pante and make up his mind. If he should ato remain a partner, he will hecome liable pason or property to the engagements of frra, thongh he merely hold in trust for .
facourt of equity decrees a dissolution, it has mocrder a sale of the partnership effects, and rision of the produce, proportionately to the rof each partner in the joint property, subject ipulations made in the deed of partnership; tisa rule in mercantile law, thnt 'Modus et retio \(\operatorname{sineant}\) legem.' (Smith On Mercantilc
Gadility of Partncts as to third l'arties.-It be hid down as a general rule, that partners ther actual, ostensible, or dormant, are bound he act of their parther, made in the course of withrefereace to the parinership business, and te repular course of dealing by the firm; aind ght the general rule of law be, that no ono is cupon any contract, except such as are privy ret his is not contravened by the liability
of partners, as they are supposel virtually present nt and sauctioning the pruceedings they singly enter linto in the courso of trule, or as beiny severally vested with n power enabling thens to act at onco ns principats and as the anthorised ugents of their copartucrs. It is for the advantage of parmers that they aro thas held liable; for the credit of their firm is in consequence greatly enlanced, and facility is given to all their dealings, even when they reside in different parts of the country, or of the world. A due regard to the interest of strngers is at the same time observed; for where an individual deals with on: of severnal partners, he relies upon the ceedit of the entire firm, and therefore ought to havo his remely against all the individuals who compose it.
Unless the act of one parther relnte to and be connected with the partuership trade, and in the course of dealing by the firm, such acting partner only will be bound: for it is only by neting in the course of their particular trado or line of business that an implied autlinsity is delegated by partners to each other; and it is only in auch transactions that thirl parties lave a right to rely upon the partuership funds. To bind a partnership, eredit must be given to the firm itself, and not to one merely of its partners. One of theas may even, in furtherance of tho oljects of the firm, enter into a contract with some third party; but if such contract be made exclusively and solely upon the credit of the individual partner, it will only bind him, and not the finn. The presumption of the law, however, always is, that a contract with one of the partuers in reference to the business of the urm has been ciatered into upon the credit of the whole; and this presumption is not to ive rebutted, except by very clear evidence. One partner cannot, ns such, except ia bankruptey, bind another by deed.
The nuthority of a partner is revocable; and it is now fully establislicd that a disclaimer of the autlority of the partners in any purticular transaction will preclude him from binding his copartners. Even during the subsistence of the partnership, one partner may to a certain degree limit his responsibility; and if there be any particular speculation or bargnin proposed, which he disapproves of, he may, by giving distinct notice to those with whom his partners are about to contract that he will not be concerned in it, relieve himself from all consequences. Such notice woull rebut his primâ facie liability. The partnerslip would be suspended quoad this transaction. Thus, if a partner draw, accept, or indorse a bill or note, he will, in all ordinary cases, thereby render the firm liable. But, to use the words of Lord Ellenborough, 'it is not essential to a partnership that every partner should have such power ; they may stipulnte aniong themselves that it shall not be done; and if a third party, having notice of this, will take such security from one of the partners, be shall not sue the others upon it, in breach of such stipulation, nor in defianco of notice previously given to him by one of them, that he will not bo liable for any bill or note signed by the others' (Galway v. Mathew, 10 East, 264); and so in other cases.
However simal the share a partner may have in a concern, he is liable for the whole of the debts contracted by the firm; nnd must seck his remedy in a rateablo contribution against his partners. Should one party enter into a smurgeling or other illegal transaction on the partnership account, the other partners are liable to the duties and the pennlty; and the Crown may proceed against the real delinguent alone, or agaiust all the partners.

A bookseler，or newspaper pruprictor，is answer－ able for the acts of his agent or copartner，not only civilly but also criminetly．

Dissolutiun of Partnerships，－A partnership may be dissolved by the eflluxion or explration of the time during which it was originally agreed that it should contiaue．When a copmartnermhip is formed for a single dealing or transuction，the moment that is completed，it is at an eud．l＇artuer－ shlps may also be dissolvel by death，ugreement， bankruptey，outlawry \＆c．A court of equity will interfere to dissolve a marthership，in cases where a partuer so misconluets inmselt＇as to be injurious to the firm，or to defeat the object for which the partnership was formed；or when a partner be－ comes insanc，or is in such a state of mind as to render him permanently incapable of transacting the peculiar business of the tirm；or where a partnership is formed for an impracticable pur－ pose．Indecd，in all casca，where even a partner－ ship may be dissolved wathont the interlerence of a conrt of equity，it may be most prucent，if the dissolution be opposed by one of the partners，to file a bill，praying a dissolution and accomnt， and an injunction against usiug the partnership name．
When a partnership is dissolved by agreement， or one of the partners withdraws from jt ，public notice of the dissolution must be gheen in the Lon－ don Gazette；and a specific intimation of the circun－ stance must be sent to ALL individuals uccustomed to deal with the firm．Where such intimation has not been sent，the inicividual withdrawing from the firm may be made liable to third parties after he has ceased to bave anything to do with it．\(\Lambda\) dormaut partaer，whose name has never been an－ nounced，may withdraw from a firm without making tho dissolution of partnership publicly known．

When the joint delts of the firm are paid，and the property duly distributed among the partners， the dissolution may be said，in a general sense，to be accomplished．If any one of the firm be guilty of a breach of duty in misapplying the effects before the concern is finally wound up，the proper course is to apply to the Court of Chancery to appoint a manager．

Within a rcasonable time after the death of one partuer，the survivors must account to the repre－ sentatives of the deceased；and if net willing to do so，a court of equity will compel them．In taking partnership accounts at the death of a partner，they must commence with the last stated account；or，if there be none such，with the com－ mencement of the partnership；and they must end with the state of the stock at the time of the partner＇s death，and the procecds thercef until it be got in．

No notice is necessary to third parties of the death of a partner；the partnership is dissolved． and all liabilities for subsequent acts cease．The surviving parties are t＇je sued alone for the partnership linbilities and obligations，for which they are liable to the full extent．But they are not liable for the separate debts of the deceased partner，unless，after payment of all the joint debts，they have a surplus of the partnership effecte in their hands．
Upon a dissolution by death，if the joint effects be insufficiont to pay the partnership debts，the separate estate of the deccased partner，if he have any，is liable for the fleficiency．

The Act \(28 \therefore 29\) Vict．c． 86 sanctions a further alteration in tice law of partnership．
Advances by way of loan to a person engaged or about to engage in any trade or undertaking upon a contract in writing with such person that
the lender shall receive a rate of intereat raryi with the protlts，or shall receive a share of prate arming from carrying on such trade of cinde taking，alaall not of ftself constitute the leader partuer with the person or persons carrying such trade or undertaking，or reader him repping ble as such．

No contract for the remuneration of a set or agent by a share of profits de．，shall rend the servaut responsible as a partuer，or give the rights of a partner．

No person being widow or child of the dewe partuer，and receiving as such a share of prol slatl be deemed a partner．

No person receiving an annuity in considentis of the sale of good will，to be deemed a partnee． In caso of linnkruptey or composition，the lead not to tee entitleal to recover．

The term＇person＇to incluile a partneshl flrm，a joint－stock company and a corporation，
The statements now made will，probably， suflicient to give our realers a tole cably dititi notion of the formation of partuerships；and the more important riyhts，duties，liabilities 4 arising out of such institutions．Those who wit to go deeper into the subject may consult treatises of Watson and Montague on the Inx Partucrship；Chitty＇s Commercial Lauc，vol 1p．225－269；Woolrych On Commercial \(L\) pp．298－317；Smith＇s Mercantile Lax，p． sec． 95.

PARTNERSHIPS WITII LIMITED II BILITY．We have previously made some ral remarks on this subject，to which we wio beg to refer the reader．［Companiss．］ there enuleaveured to show the extremely tionable nature of such partnerships，and there was nothing in the circumstances pend to this country which either required of exz their introduction．The epinion of the greater not the better informed，part of the publicket however，for a white at least，strongly io 1 fayour，they were established by the act 198 Vict．e．47，amended by the \(20 \& 21\) Vict．． ． and are now regulated by the Companies＇s of 1862 and 1867， 25 \＆ 26 Vict．c．89，and 30 \＆ Vict．c． 131.

The two schicdules annexed \(t\) ．the det of 1 give the following memorandums of asocith and comprise a summary of the various ings connected with the formation and man ment of companies with liability limited by \begin{tabular}{c} 
ta \\
\hline
\end{tabular} and limited by guarantee，of which we beg annex copies．

Memorandum of Association of a Compa Limited by Shares．
1st．The name of the company is＂The pat Steam Packet Company，limitel．＇
2nd．The registered office of the compayy be situate in England．

3rd．The objects for which the compunt established are，＇the conveyance of passengaty goods in ships or boats between such phaes 84 company may from time to time determines the doing all such other things as are ing or conducive to the attainment of the \({ }^{\text {d }}\) object．＇

4th．The liability of the shareboliae ＇limited．＇
5th．The capital of the company is ：Will divided into 1,000 shares of 2001 ．each．
We，the several persons whose numb addresses are subscribed，are desinus of tel formed into a company in pursuane of 4 memorandum of asseciation，and we raperm agree to take the nomber of shares in the al
ate of interest varym a a share of proin such trade or under constitute the leader or perwons carrying or render him respra
uneration of a serian rofits de., कhall rend a partmer, or give bia
or child of the detee such a share of protiog
aunuity in considentive - be decmel a parnet. r coluposition, the jead ver.
- include a partnersiá ny and a corporation. nade will, probably, ders a tolerably distias of partuerships; and ats, duties, liabilities of utions. Those who wir subject may coosulk th Montague on the Iax Commercial Latc, yol. h On Commercial la Mercantile Lau, p. 1

NITIL LIMITED L viously made some geo bject, to which we wo er. [Companies.] Iow the extremely doj do partnerships, and ib he circumstances peeuli either required or exews e opinion of the qrater d, part of the public bein at least, strongly in the lished by the Act 19 d the \(20 \& 21\) Yict. \(c\). 1 by the Companies' 26 Viet. c. 89, and 30 t
naexed \(t\), the act of merandums of associsti ary of the various proce he formation and mana I liability limited by ins atee, of which wo beg
saciation of a Compery by Shares.
company is The Eatie y, limited.'
office of the company
r which the compary aveyance of passengers between guch places sis ne to time detemine or things as are inciond attainment of the
of the sharebolias the company is Di, ia es of 2001. each. ersons whose amid少, are desirvo of ny in pursuria aber of shares in the cal

Wal of the company set opposite our respective wes.


Andations for Manngement of a Compony Limited by Shares. (Siee also Aet of 1867.)
shars.-1. If several persons are registered wint holders of any share, any one of such wis may give etfecturl rerecipts fur nlly dridend payable in respect of sullo where.
2 Every member shall, on puynent of one aling, of such less sum as the company in mal meeting may preseribe, be entitlen to a sibace under the common seal of the compar, spedifying the share or shares held by him, withe amount paid up theresm.
3. If such certificato is worn out or lost, it ars be renewed, on payment of one shilling, or adides sum as the company in general meeting my peacribe.
ingis on Shares,-4. The directors may from time totime make nuch ealls upon the niembers it make of all moneys unpait oll their shares a fare think fit, provided that 21 days' nutice at hutiginen of cach call, and each member shall be libitito pay the amount of calls so made to bepanas and at the times and places appointed to the directors.
is all shall be deemed to have been made \(x\) the time when the resolution of the directors naboring such call was passed.
4. It the call payabie in respect of any share is we peid before or on the day appointed for prueat thereof, the holder for the time belng of mid share shall be liable to pay interest for the nen it the rate of 51 , per cent. per annum from decelay appointed for the payment thereof to the bise of the actual payment.
1. The directors may, if they think fit, receive fou ary member willing to advance the same, Not any part of the moners due upon the hars held by him beyond the sums actually cald for; and upon the moneys so paid in iruce, or so much thereof as from time to time zund the amount of the calls then made upon be hares in respect of which such advance has ven made, the company may pay interest at coch rate as the member paying such sum in druse and the directors agree upon.
Trenfers of Shares.-8. The instrunnent of hasfer of any share in the company shall be atated hoth by the transferor and transferec, ad the transferor shall be decmed to remain \(n\) ader of such ahare until the name of the transare is entered in the register book in respect pereot.
9. Shares in the company shall be transferrel the following form:
L, AB, of
it consideration of the
pounds paid to me by C.D. do hereby transfer to the said D. the share [or shares] numbered
standing in my name in the books of the
company, to held
to the said C.D., his exceutors, administrators,
dd assigns, subject to the several conditions on bich I held the same at the time of the execua hereof; and I the said C.D. do hereby agree
to take the mail share [or shares] subject to the same conditions. As wituess our hanis, the day of
10. The company may uecline to register any transfer of shares made by a member who in Indebted to them.
11. 'Tho tranafer books shall be closed during tho fourteen days inmediately preceding the orilinary general meethig in carlo year.

Trunsmission of Shares.-12. The executors or ailministrators of a dereased menber shall twe the only persons recognised by the company as having any title to hils share.
13. Any person becoming entitled to a slare in eonsequince of the teath, bankruptey, or insolvency of any member, or in consequenco of the marriage of any female member, inay be registered as a member upon such evidence being produced as may from time to time be required by the company.
14. Any person who lans become entitled to a whare in consequence of the death, bankruptey, of husolvency of any member, or In consequence of the marriage of any femalo member, may, insteal of boing registered himself, elect to lave some person to be named by him registered us a transferee of such share.
15. The person so becoming entitled shall testify such election by executing to his nominee: an instrument of transfer of such share.
16. The instrument of transfer shall be presented tc the company, accompanled with such evidence ail the directors may require to prove the title of the transferor, and therenpon the company shall rogister the transforec an a memider.
Forfeiture of Shares.-17. If any member fails to pay any call on the day appointed for payment thereof, the directors may at any time thereafter, during such time as the cull remuins unpaid, servo a notice on him, requiring him to pay such call, together with interest and any expenses that may have accrued by reason of such nonpavment.
18. The notice shall name a further day, on or before which such call, and all interest and expenses that have accrued by reason of auch nonpayment, are to be paid. It shall also name the place where payment is to be made (the place so named being either the registered offiee of the company or some other place at which calls of the company are usually made payable). The notice shall also state, that in the event of non-payment at or before the time and at the place appointed, the shares in respect of which such call was made will be liable to be forfeited.
19. If the requisitions of any such notice as aforesaid are not complied with, any share in respect of which such notice has been given may at any time thercafter, before payment of all calls, interest, and expenses due in respoct thereof has been made, be forfeited, by a resolntion of the divectors to that elfect.
20. Any share so forfeited shall be deemed to be the property of the company, and may be alisposed of in such manner as the company in general mecting thinks fit.
21. Any member whose shares have been forfeited shall, notwithstanding, be liable to pay to the company all calls owing upon such shares at the time of the forfeiture.
22. A statutory declaration in writing, that the call in respect of a share was made and notice thereof given, and that default in payment of the call was made, and that the forfeiture of the share was made by a resolution of the directors to that effect, shall be sufficient cvidence of the facts
therein stated, as apainst all peranss entliled tol nuch share, and such declaration, and the receipt on' the company for the price of such share, whall comstitute a good title to sueli share, and a certitheate of proprietorship shall be delivered to a purchaser, and thereupon he shall be deemed the owner of such mare diseliarged from all calls due prior to such purchase, nad he ahall not be bound to ree to the application of the purehase money, nor shall his title to such share te affeeted ly any Irregnlarity in the proceedlugs in reference to such male.
(ionversion of Sharcs info Stock.-23. The directors may, whth the sanction of the company previously given in ceneral meeting, convert any pald-up shares into stock.
2.1. When any shares have been converted into stock, the neveral holdern of auch stock may thenceforth transfer their respective interests therein, or any part of auch interesty, in the same manner and sulbject to the same regulations as and subjeet to which any shares in the capital of the company tmay be transferred, of as near thereto as circumstances admit.
25. The neveral holders of stock shall be ent titled to partichnato in the dlvidends and protites of the company according to the amomet of their respectlve interests in such atock; and such interests shall, in proportion to the anount thereof, confer on the bolders thateot respectively the same privileges and alvantages for the purpose of votilig at meetings of the company, und for other purposen, as would have been conferred by shares of equal amount in the capital of the compmy; but so that none of such privileges or advantage except the participation in the disidends and profits of the company; slanll be conferred by any euch nliquot part of consolidated stock as would not, if existing in shares, have conferred such privileges or advantiges.
Increase in Capital.-26. The directors may, with the sanction of a special resolution of the company previously given in general mecting, increase its capital loy the issue of new shares, such oggregate increase to be of such amount, and to be divided into shares of such respective umonnts, as the company in general meeting directs, or, if no direction is given, as the directors think expedient.
27. Subject to nny direction to the contrary that may be given by the meeting that sanctions the increase of capital, all new shares shall be offered to the members in proportion to the existing shares held by them, and such offer shall be maile by notice specifying the number of shares to which the member is entitled, and limiting a time within which the offer, if not accepted, will lee deemed to be teelined, and after the expiration of such time, or on the receipt of an intlmation from the member to whom such notice is given that he declines to accent the shares offered, the directors mny dispose of the same in such manner as they think most beneticial to the company:
28. Any capital raised by the creation of new shares shall be consiacred as part of the eriginal capital, and shall be subject to the same provisions with reference to the payment of calls, and the forfciture of shares on non-payment of calls, or etherwise, as if it had been part of the original capital.

General Meetings.-29. By the Act of 1867, a prencral meeting shall under a heavy penalty be held within 4 months after the registration of the company, and at such place as the directors may determine.
30. Shlosequent general mectinge ahall be holl at such time and place as may be prearribed by the company ing general meetings and lf no other time or place is prescrilsed, a genurnl mection ahall be held on the tifat Monday In Fehriaty in every year, at such place as may be determineilt the iliretors.
31. The above-mentioned peneral mecting, val le ralled ordinary meetings all other genemi mectinge shall be called extraordinary.
32. Whe directurs may, whenever they thisk fin and they whall upon a recpulsitlon mate in writiog ly not less than one-tifit in number of the mem bers of the company, convene an extrautlinary general meethes.
3:. Any requisil lom made by the members shal express the ofject of the mecthig propowel to b called, and shall be left at the regiatered oficic of the eompany.
3.I. Upon the receipt of anch requisitinn, thedi rectors miall forthwith proceed to convene an extro ordinary general meeting. If they da not prow to econvene the same within twenty-one days from the date of the requisition, the requisitlonites, any other members amounting to the requin number, may themaelves convene an exlraciding reneral meeting.

Proceedinys at General Meetings,-33. Ser days' notice ut the least, specifying the phat the clay, and the hour of meeting, and in 2 of special business the general nature of such bu nesa, shall be given to the membera in mana heremafter mentioned, or in such other manas if any, as may be prescribed by the compans general meeting; but the man-resern of in notice by any member shall not ; proceedinga nt any general mectir
36. All lusiness shall be deen is transacted at an extraordinary nuw um, and that is transacted at an ordinary meetiog, a \(^{2}\) the exception of sanctioning a dividend oed il consideration of the accounta, balance sheete, 1 the ordinary report of the directars.
37. No busiliess shall be trnnsacted at 4 greneral meeting, except the declarstion of a dip Tend, unless a quorum of members is present the time when the meeting proccerds to busime and such quoruin shall be ascertained as follo that is to say, if the persons who have ide shares in the company at the time of the metif do not exceed tell in number, the quorum in be ilve; if they exceed ten, there shal be alf to the above quorum one for cerery five sol tional members un to fifty, and one for o ten adidional members after fifty, with this lis tation, that no quorum shall in any case twenty.
38. If within one hour from the time appois for the meeting a quorum is not present, them ing, if convened upon the requisition of memle shall be dissolved: in any other case it shalle adjourned to the same day in the nextweek, at same time and place; and if at such adjum mecting a quorum is not present, it shall lea journed sine die.
39. The chairman (if uny) oi the board dï) tors shall preside as chairman at every \(\mathrm{b}^{\text {as }}\) mecting of the company.
40. If there is no such chairmath arif th meeting he is not present within gifter mish after the time appeinted for holding the mes the members present shall chooses:ne ore of number to be chairman.
41. The chairman may, with the cosed of 1 y mecting, adjourn any meeting from time to fif and from place to place, but no busiones shall transactel at any adjourued meeting other
etlinge alaall be helit ay be preweribel by bug : and if no other a keneral meeting nday in Febinary in ny be deterninvil by
canctal meeting wha ; all other ghown) raordinary. mever they think कf, itton made in writing number of the menene mextraurlinary
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al Meetings,-35. Sere t, sjeceifying the phar of mecting, and in cas neral nature of auch lusis the members in mana or in such other manace ribed by the company the non-recrap, of sliall not ; ral meetir 1 be deen cordinary nuc.ung, and or ordinary meeting, nif oning a dividend and in omsta, balance aheet, ars he directors.
all be transacted at ws the tleclaration of a dir of members is present ting proceeds to busions be ascertained as folion persons who have iak \(t\) the time of the metis mber, the mew ten, there ahali be add ono for cuery fire ade fifty, and ome for tre after fifty, with this liw shall In any case exco
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(any) oí the board d ciar chairman at erery geno y.
uch chairmum, of if at a sent within fifcee minali edi for holriog the wext tall choose s? ne oreof ity ay, with the conet of meeting from time to til ce, but no businest hat urned meetiog othet
abuiness len mathished nt the meetinf; from whid the adfoumment took place.
14. At ay general meeting, inless a poll is deandal by at least ive mentbers, a deelaration Thechairman that a reaolution lina been enrricel. Fida entry to that effect in the book of promongs of the eompany, whall he auAlicient eviwae of the fact, withont jroof of the inmber or martion of the votes recorded in favour of or minst auch resolution.
id If a poll is demanied by tra or more wexher, it sliall le tal:en in suen manuer as the chairman direets, and the result of such d hall be deemed to lo the resolition of the wapury in general meeting. In the case of an equalty of rotes at any general mecting, the taman ahall be entilled to a sccond or custinie Whe
luts of Members.-44. Wery member shall lars one vote for cyery whare up to ten; loo whall luesnadditional vote for every tive sliares beyond the fist ten shares up to one liundred, and nin mitdional vote for every ten shares beyond the ins hundred shares,
位 If any member is a lunatic or inliot, he may wid by his committee, curator bonis, or other bad curator.
If " ond or more persons are jointly entis to a share or sharen. tho member whose tume tands first in the register of members an wod the holders of such share or sharen, and no whes, whall be entitled to vote in respect of the -
ti, Somember shall be entitled to vote at any wand mectlug unless all calla due from him lure paid, and no member slall be entitled o tote in respect of any share that ha has ncquiNby transfer at any meeting held after the upintion of three monthe from the registration a the company, unless ho has been possessed \(d\) the share in respect of which be claims to wef fir at least three monthe previonsly to the time of holding the meeting at which he proposes WPTe.
48. Yotes may be given cither porsonally or by m
Qithe instument appointing a proxy shall be in writing, under the hand of the appointor, wif yuch appointor is a corporation, under their turnon seal, snd shall be attested by one or wer witness or witnesses: no person sholl bo mointed a proxy who is not a member of the copany.
\(j_{0}\) The instrument appointing a proxy shall bedeposited at the registered oftice of the compary not less than seventy-two hours before the ime for holding the meeting at which the person uned in such instrument proposes to vote, but oo instrument sppointing a proxy shall be valid ther the expiration of twelve months from the date of its execution.
3. day instrument appointing a proxy shall \(x\) in the following form :-

Company limited.
I of in the county of
being a member of the
company limited, and entitled to
Pute or votes, hereby appoint as my proxy, to voto for me and on my behalf at the [ordinary or extraordinary, as the case may be] general mecting of the company to be lich on the day of
and at any sdjoumment thereof [or, at any meeting of the company that may be hell in the year ].

As witness my linul, this
lay of
Gigned by the alid
in tho preaches of
Direcfors.-64, The mmber of the direetors, naif thu sames of the first alirectura, ahali be determinell lay the subseribers ot the memorandum of assuciatíon.
63. Until directors are appointed, the anheribers of the mennurandim of aswocintion slinll be sleemed to be illrecturs.
84. 'The future reminneration of the dircetors, nus their remnumation for werviees performed previounly to the firat general meetlug, whall bo determlned by the company in general meeting.
 company shall bo monaged liy the directors, who mny pny all expenses ineurfai in getting up nind registering the tompany, and may exercise nill nuch powers of the company ns nre not by the foregoing Act, or by these articles, required to be exerclsed by the company in feneral meetinn, aubject nevertheless to any regulations of these articles, to the provislons of tha foregoing Act, and to such regulations, being not inconsistent with the aforeaalid regulations or provlsiona, as mny be preacribed by the company in general meeting; but no regulation male hy the company in genernl mecting nhall invallate any prior act of the ilirectors which would hava been valid if such regu lation had not bcen made.
66. The continning directors may act notwithstanding any vacancy in their body.

Disqualification of Directors.-67. The office of director whall be vacated-

If he holds any other office or place of protit under the company ;
If the becomes bankrupt or insolvent ;
If he is concerned in or partlcipates in the protits of any contract with the eompany ; but the nbove rules shall be subjeet to the following exceptions: that no director shall vacate his offles by reason of his being a member in any company whlch has enteredinto contracts with or done any work for tho company of which he is director: nevertheless he shall not vote in respect of such contract or work; and if he does so vote his vote shall not be counted.

Rotations of Directors.-58. At the first otdinary meeting after the registration of the company, the whole of tho dircetors shall retire from uffice; and at tho first ordinary meeting in every subsequent year, one-third of the directors for the time being, or if their number is not a multiple of three, then the number nearest to onethird, shall retire from office.
59. 'I'he one-third or other neareat number to retire during the first and second yenrs eusuins the tirst orilinary mecting ot tha company shall, unless the directors agree anong themselves, be determined by ballot; in every subsequent year the one-third or other nearest number who have been lompest in oflice shall retire.
60. A retiring director shall be re-eligible.
61. The company, at the general meeting at which any directors retire in marner aforesail, shall fill up the vacated offices by electing \(n\) like number of jersons.
62. If at any meeting at which an election of directors onght to take place, the places of the vacating directors are not filled up, the meeting shall stand adjourned till the same rlay in the next week, at the same time and place; and if at such adjourned mecting the places of the vacating dircetors nre not filled up, the vacating directors, or such of them as have not had their places filled up, slall continue in office until the ordinary
meeting in the next year, and so on from time to the until their places are tilled up.
63. The company may from time to time, in genernl meeting, increase or reduce the number of directors, and mny also determine in what rotaticsuch increased or reduced number is to go out of office.
6.1. Any casual vacancy occurring in the board of lirectors may be filled up by tho directors, but any person so chosen shall retriu his office so long only as the vacating director would have retained tho same if no vacaney had occurred.
65. The company, in general mecting, may, by a specinl resolution, renove any director before the expiration of bis period of office, and may by an ordinary resolution appoint another person in his steat; the person eo nppointed shall hold office durite \(2 . .\). in time only as the director in whose place he is appointed would have held the same if he had not been removed.
\(P\), occedinys of Directors,-66. The directors may meet together for the despntch of business, ndjourn, and otherwise regulate their meetings as they think fit, and determine the quorum necessary for the transaction of business: questions arising at any meeting shall be decided by a majority of votes: in case of an-equality of votes, the chairman shall have a second or casting vote: a director may at any time summon a roceting of the directors.
67. The directors may elect a chairman of their mectings, and determine the period for which he is to hold effice; but if no such chairman is elected, or if at any meeting the chairman is not present at the time appointel for holding the same, the directors present shall choese some one of their number to be chairman of such meeting.
68. The directors may delegate any of their powers to committees consisting of such member or members of their body as they think fit: any committec so formed shall, in the exercise of the powers so delegated, conform to any regulations that may be imposed on them by the directors.
69. A committee may elect a chairman of their mectings : if no such chairman is elected, or if he is not present at the time appointed for holding the same, the members present shall choose one of their number to be chairman of such meeting.
70. A committee may meet and adjourn as they think proper: questions arising at any meeting shall be determined by a majority of votes of the members present; and in case of an equality of votes, the chairman shall have a second or casting vote.
71. All acts done by any meeting of the directors, or of a committee of directors, or by any person acting . . 2 _ Arector, shall, notwithstanding that it be afterwards discovered that there was some defect in the appointment of any such directors or persons acting as aforesaid, or that they or nny of them were disqualified, be as valid as if every such person had been duly appointed and was qualified to be a director.

Dividends.-72. The directers may, with the sanction of the company in general mecting, declare a dividend to be paid to the members in proportion to their shares.
73. No dividend shall be payable except out of the profits arising from the business of tho company.
74. The directors may, before recommending any dividend, set nside out of the protits of the company such sum as they think proper as a rescrved fund to meet contingencies, or for equalising dividends, or for repairing, or maintaining, the works connected with the business of the company, or any part thereof; and the directors may invest
the sum so set apart as a rescrved fund upon sis securitics as they may select.
75. The directors may deduct from the dividen payable to any member all such sums of monif ns may be due from him to the cornpany on necour of calls or otherwise.
76. Notice of any dividend that may have be declared shall be given to each member in manie liereinafter mentioned; and nll dividends claimed for threc years, after having been clared, may be forfeited by the directors fort benefit of the company.
77. No dividend shall bear interest as again. the company.
Accounts.-78. The directors shali cause th nccounts to be kept-

Of the stock in trade of the company;
Of the sums of money received and pented by the comprany, and the matto in respect of which such receipt and ex penditure takes place ; and
Of the credits and liabilities of the compan The books of account shall be kept at i registered office of the company, and, subject any rensonable restrictions as to the time s. manner of inspecting the same that may imposed by the company in general meetin shall be open to the inspection of the menibe during the hours of business.
79. Once at the least in cvery year the directe shall lay before the company in general meeti a statement of the income and expenditure the past year, made up to a date not more the 3 months before such meeting.
80. The statement so made shall show, armans under the most convenient heads, the amount gross income, distinguishing the several sours trom which it has been derived, and the amoun of gross expenditure, distinguishing the expeas of the establishment, salaries, and other li matters: every item of expenditure fairly char able against the year's income shall be bron into account, so that a just balsnce of pruit at loss may bo laid before the meeting; and cascs where any item of expenditure which \(m\) in fairness be distributed over several years h. been incurred in any one ycar, the whole amon of such item shall be stated, with the additio of the reasons why only a portion of such eye diture is charged against the income of the year
81. A balance sheet shall be mode out in eve year, and laid before the company in gener meeting, and such balance shect shall contain summary of the property and liabilities of to company arranged under the heads appearing the form given in the annexed tsble, ot as in thereto as circumstances admit.
82. A printed copy of such bslance sheet shs seven days previously to such meeting, be eerly on every member in the manner in which notis are hereinafter directed to be served.
Audit.-83. Once at the least in every yartly accounts of the company shall be examined, the correctness of the balance sheet ascertain by one or more auditor or auditers.
84. The first auditors shall be appointed brt directors : subsequent auditors shall be appiut by the company in general meeting.
85. If one auditor only is appointef, all provisions hercin contrined relsting to sudith shall apply to him.
86. The auditors may be members of the enf pany; but no person is eligible as an suta who is interested otherwise than as a menter any transaction of the company; and no direct or other officer of the company is elighle dorin his continuance in officc.
served fund unen suct ct. luct from the dividend I such sums of meney he company on necoun?
nil that may have been ach member in mannee nd all dividends uns after haviug been des y the directors for the sear interest as againal ectors shali cause truy of the company ; ney received and ax npany, and the matte h such receipt and ex ce; nid, bilitics of the company shall be kept it th ompany, and, subject t ms as to the time sm he same that may b y in genersl mecting pection of the menlea iess.
, every year the direeto pany in general meeting me and expenditure fo to a date not more tha seting. oatle shall shew, artange ent beads, the amount hing the severn! soure derived, and the amoun istinguishing the expens salaries, and other expenditure fairly charg income shall be brough just balance of pruit any re the meeting; snd expenditure which mas d over severol years ha e year, the whole ameur stated, with the sddition a portion of such expes \(t\) the income of the yess. hall be made out in ever the company in gener nee sheet shall contain rty snd lisbilities of th or the heals appesing annexed table, or as ac 3 admit.
such balance sheet ths such meeting, be eery e manner in which notio to be served. he lesast in ereery year y shall be examined, 27 alance shee
or nuditors.
shall be appointed br
uditors shall be apporitio
ral meeting.
ly is appointed, all 6 ined relating to audite
be members of the nes os eligille as an aubile vise than as a member :ompany; and no directc ompany is elighbe durio
5. The election of anditors shall be made by the s. Wup The remuncration of the tirst auditors shall be ixed by the directors; that of subsequent aditons shall be fixed hy the company in general aetiog.
metiog. Any auditor shall be re-eligible on his pitting oflice.
9. If any casual vacancy occurs in the office Ingy auditor appointed by the company, the dimurs shall forthwith call an extraordinary genetimeting for the purpose of supplying the same. til methg if election of auditors is mado in manner draaid, the Board of Trade mny, on the appliwima of not less than five members of the comanr, appoint an auditor for the current year pur, ix the remuncration to be paid to him by be company for his servic is.
of Every auditor shall be supplied with a copy \(\$\) the balance sheet, and it shall be his duty wermine the same, with the accounts and waders relating thereto.
4. Every auditor shall have a list delivered to bin of all books kept by the company, and wall at all reasonable times have access to wheoks add nccounts of the company; he may, a the expense of the company, employ acconatats or other persens to assist him in bratiguting such accounts, and he may, in vation to such accounts, examine the directors uny other officer of the company.
4. The auditors shall make a report to the
members upon the balnuce sheet and accounts, and in every such report they shall state whether, in their opinion, the balanco sheet is a full and fuir balance sheet, containing the particulars required by these regulations, and properly drawn up so as to exhibit a true and correct view of the state of the company's affairs, and in case they have called for explanations or information from the directors, whether such explanations or iuformntion have been given ly the directors, ant whether they have bern satisfactory; and such report shall be read, together with the report of the directors, at the ordinary mecting.
Notices.-95. A notice may be served by the company upon any member either personaly, or by sending it through the post in a prepaid letter addressed to such memoer at his registered place of nbode.
96. All notices directed to be given to the members shall, with respect to any share to which persons are jointly entitled, be given t's whichever of such persons is named first in the register of members; and notice so given shall be sufficient notice to all the holders ot such share.
97. Any notice, if served by post, shall be decmed to have been served at the time when the letter containing the same would he delivered in the ordinary course of the post; and in proving such service it shall be sufficient to prove that the letter containing the netices was properly addressed and put into the post office.

Form of Balance Sheet referred to above.
\(\mathrm{D}_{\mathrm{t}}\) Balance Sheet of the \(\quad\) Co. made up to \(18 . \quad \mathbf{C r}\).


Troble of Fees to be paid to the Registrar of JointStod Companies by a Company having a Capital divided into Shares.

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roxered 9,0001 . . Many whose nomir capital does 200 mensuatios of a crmpany whose nominal canital ez. udubanifee, rizulted according to th the following trat capital thast is to says). tami capital (that is to say)-

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 For every 1,000 . of nominal capital, or part of 1,600 oller 0 , 0 For resitatration of any increase of caphal made after the first registration of the company, the some fies per \(1,000 \mathrm{f}\). or pari of \(1,0 \% 01\)., as would have been payabite if such Increosed capltal had formed part of the original capital Provided that no comprany shall be Ilable to pay In respect
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For revistering any documient hereby required or authoriseld to be reg
Fnr making à record of any fari herely authorised or required to tee recorded by the hegistrar of Companies, a

Tithle of Fees to be paid to the Registrar of Joint Stock Companies by a Company not having a Copital divided into Shares.
Fir ienistration of a company whose number of memlere an statrid in the ortccles of ass, octo to ion, does net erceed qin
for realtrution of a company whose numbler of inemilera.

For refirtenicen of comphny whme number of member: or stated in the erticiece of a asociation, escerrsf the), lutit si nof stated to be mulimitiel, the aloove foe of si., with an addulliomnl 5 . for every 30 nien
For memistration of company in which the numher of members is ntate limited, \(n\) fee of
For regintration of any increase on the number of member For registration of any increase on the numher of members
made wfer the rigistration of the company In respect of made niter the rergsirntiont of the company on respect of
every 50 memhers, or less than 50 members, of such in crease
l'rovided that no one eompany aholl he liatle to pay an the hole a grenter fee than yok. it resprct of lo number of members, talting Into accouni the fee paid on the tirst registration of tho company.
For rexistration of any eristing company, except such campanies as are by this of registraton under this Act, the same fee as is charged for registering a new company.
Prof reatitering nny document hereby reguired or author ised to be registered, otler than the memorandum of Fins matiting a record of mny tinct herely authorised or re quired to be recordel by the Registrar of Companies
Memorandum and Articlies of Association of a Company Limited by Guarantee, and not having a Capital divided into Silares.

Memorandum of Axsociation.
1. The name of the Company is 'The Mutual London Marine Association, Limited.'
2. The registered office of the company will be sitnated in England.
3. The objects for which the company is established are, the 'mutual insurance of ships belonging to members of the company, and the doing all such other things as are incidental or conducive to the attainment of the above objects."
4. Fvery member of the company undertakes to contribute to the assets of the company in the event of the same being wound up during the time that he is a member, or within one year afterwards, for payment of the delts and liabilitios of the company contracted before the time at which he ceases to be a member, and the costs, charges, and expenses of winding up the same, and for the adjustment of the rights of the eontribatories amongst themselves, such amount as thay be required, not exceeding \(10 \%\).

We, the several persons whose names and addresses are subseribed, are desirons of being formed into a company, in pursuance of this menorandum of association.
Names, Addresses, and Descriptions of Subseribers.
\begin{tabular}{|c|c|}
\hline \begin{tabular}{l}
1. John Jones of \\
\(\therefore\) Juhn smith of
\end{tabular} & In the county of fin the coninty of \\
\hline \(\therefore\) Thoinns (ireen of & in the county of \\
\hline 4. Jolm Thompuon nE & In the county of \\
\hline 5. Galel, White of & in the county of \\
\hline ti. Andrew lirown of & in the county of \\
\hline 7. Caessr White of & In the county of \\
\hline Dated the e2nd day of N & , 1861. \\
\hline A.1., No. 13 , & \\
\hline
\end{tabular}

Airticles of Association to accompany preceding Memorandum of Association.
1. The company, for the purpose of registration, is deelared to consist of 500 members.

2 . The directors hereinafter mentioned may,

E s.d. 50 050
henever the business of the association rapur rerister an increase of members.
Definition of Members.-3. Every person sha be deemed to have agreed to become a member the company who insures any ship or share in ship in pursuanee of the regulations hereinat ontained.

General Meetings.-4. The first generai meetin shall be beld at such time, not being more the three months after the incorporation of the cein pany, and at sueh place, as the directors map termine.
5. Subsequent general meetings shall be b at such time and place as moy be prescribed the conmpuy in general noceting ; and if no ot time or place is prescribed, a freveral meetis thall be helel on the first Monday in February every wear, at such place ns may be determined! he directors.
6. The above-mentioned general meetings sb be called ordinary meetings; all other gene meetings shall be ealled extraordinary.
7. The directors may, whenever they thinh and they shall, upon a requisition mate in writip by any five or more members, convene an cxt ordinary general mecting.
8. Any requisition made by the members sh express the objeet of the meeting proposed to called, and shall be left at the registered office the company
9. Upon the receipt of such requisition directors shall forthwith proceed to convense general meeting: if they do not procced to vene the snme within twenty-nne days from t date of the requisition, the requisitionists, of other five members, may themselves conven meeting.
Proceedings at General Meetings.-10. S tays' notice at the least, specifying the place, day, and the hour of meeting, and in case of ofe business the general nature of such business, be given to the members in manner hereinal mentioned, or in such other manner, if uar, may be prescribed by the company in geut meeting; but the non-receipt of such notice any member shall not invalidate the proceeli at any gencral meeting.
11. All business shall be deemed special that transacted at an extraordinary meeting, and that is trnnsacted at an ordinary meeting, \({ }^{n}\) the exception of the consideration of the sccour balance shects, and the ordinary report of directors.
12. No business shall be transacted at a meeting, except the declaration of a divilendo less a quorum of members is present at the ou mencement of such business, and such quore shall be ascertained as follows; that is to ars the members of the company at the time of meeting do not exceed ten in number, the quire shall bo five; if they exeecd ten there shall added to the above quorum one for every fres ditional members up to fifty, and one for evert additional inembers afterfifty, with thislimits that no quorum shall in nny case exceed thits.
13. If within one hour from the time appoil for the mecting a quorum of members is 4 present, the meeting, if convened upon the fy sition of the members, shall be dissoned: in other ease it shall stand adjoumed to the clay in the following week at the same time \({ }^{2}\) place; and if at such adjourned meeting 1 qian of members is not present, it shall be atjurn sine dic.
14. The chairmnn (if any) of the diretors ghe preside as chairman at every geueral meetiog the company. to become a member of any ship or share in regulations bercinafe

Che first generai meeting 1c, not being more tha eorporation of the com as the directors may do
mectings shall le bel may be prescribed t neeting; and if no othe bed, a geperal meetin : Monday in February as may be determineds
d gelıeral meetings shal tings ; all other geners extroordinary. whenever they think quisition made in writin mbers, convene an extr g. ade by the members sla e meeting proposed to at the registcred office
of such requisition th proceed to convelie zy do not proceed to a twenty-one days from : the requisitionists, of a bay themaclves convene
eral Deetings,-10. Set it, specifying the place, eting, and in case of spea ature of such busines3, sha bers in manner hereinath other manner, if any, \(y\) the company in genet -receipt of such notice invalidate the proceedion
il be deemed special that ordinary mecting, and an ordinaty meeting, wis nsideration of the accoun the ordinary report of \(u\)
all be transacted at \(t\) elaration of a diridead bers is present at the W usiness, and such quard follows; that is to sy, mpany at the time of ten in number, the goon exceed ten there sum orum one for cvery urs fifty, and one for evert er afty, with this limistio in nny case exceed thitty. pur from the time appoit. horum of members is is f convened upon the eny shall be dissolred: in and adjourned to the sa yeek at the same tine djourned meeting g quar sent, it shall be ajown
f any) of the dingtors sh f any) of the candery geneal mecting
t ever
is. If there is no such chalrman, or if at any meting he is not present at the time of lolling miture, the members present shall choose some e of their number to be chairman of such meet-
\(\qquad\) 14. The chnirman may, with the consent of the teting, adjoum any meeting from time to time wetug, phe to place, but no business sliall be and from por st any adjourned meeting other than whasuness left untinished at the meeting from raich the sdjoumment took place.
1i. At any general meeting, unless a poll is deandel by nt least 5 members, a declaration by we chjirman that a resolution has been carried, and an entry to that effect in the " nok of proceedinoof the company, shall be sumicient evidence d the fact, withont proof of the number or prorinn of the rotes recorded in favour of or against roch resolution.
is. lfa poll is demanded in manner aforesaid the same thall be taken in such manner as the saiman directs, and the result of such poll shall bedened to be the resolution of the company in meral mecting.
Totes of Members.-19. Every member shall bre one ru.s and no more.
*. If any member is a lunatic or idiot, he may webrhis committee, curator bonis, or cother legal cutatit.
2l. Xo member shall be entitled to vote at any meeting nuless all monies due from lim to the company have been paid.
2i. Vites may be given either personally or by roxies: 1 proxy shall be appointed in writing rader the band of the appointor, or, if such appantoris a corporation, under its common seal.墨 Xo pereon shall be appointed a proxy who bot a member, and the instrument nopointing tim shall be deposited at the registered office of the company not less than 48 hours before the time of holding the meeting at which be proposes turote.
IL Any instrument appointing a proxy shall be is the following form:-

> Company, Iimited.
> the county of
> being a member of the

vapanar, limited, hereby appoint
of
as my proxy, to vote for me and on my Whal: at the [ordinary or extraordinary, as the bas nay be] gencral meeting of the company to \(x\) held on the day of
odat any adjoumment thereof to be held on the day of next [or at any aeting of the company that may be held in the fou
li ritness my hand, this
signed by the said
Dimanan-25. The number of the directors, dthe names of the first directurs, shall be deterined by the sabscribers of the memorandum of sacciation.
20, Until directors sre appointed, the subribers of the memorandum of association slaall I sll the purposes of this Act be decmed to be Prectors.
Povers of Directors.-27. The business of the mpany ahall be managed by the directors, who arexemise all such powers of the company as cot hereby required to be exercised by the mpany in general mecting; hut no regulation de by the compony in general meeting slaall ralidate any priur act of the directors which wld have beea valid if such regulation bad not to made.
Acetion of Direciors,-28. The directors shall
be elected annually by the company in general nceting.
Business of Company. [Here insert Rules as t,, Mode in which Business of Insurunce is to be condueted.]

Accounts.-29. The accounts of the company shall be aulited by \(n\) committee of flve members, to be called the audit committec.
30. The first andit committee shall be nominated by the directors out of the body of members.
31. Subsequent audit committees shall be nominated by the members at the ordinary general meeting in each year.
32. The audit committee shall be supplied with a copy of the balance slaect, and it shall be their duty to examine the same with the acceunts and vouchers relating thereto.
33. The nudit committec shall have a list delivered to them of all books kept by the company, and they shall at all reasonable times have access to the books and accounts of the company: they may, at the expense of the company, employ accountants or other persons to assist them in investigating such necounts, and they may in relation to such accounts examine the directors or any other officer of the company.
34. The audit committee shall make a report to the members upon the balance shect and accounts, and in every such report they shall state whether in their opinion the balance sheet is a full and fair balance shect, containing the particulars requirel by these regulations of the company and properly drawn up, so as to exhibit a true and correct view of the state of the company's affairs, and in case they have called for explanation or information from the directors, whether such explanations or informatlon have been given by the directors, and whether they have been satisfactory, and such report shall be read together with the report of the directors at the ordinary mecting.

Notices.-35. A notice may be served by the company upon any member either personally, or by seading it through the post in a prepaid letter addressed to such member at his registered place of abode.
36. Any notice, if served by post, shall be deemed to have been served at the time when the letter containing the same would be delivered in the ordinary course of the post; and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed, and put into the post office.
Winding-up.-37. The company shall be wound up voluntarily whenever an extraordinary resolution, as deinned by the Companies Act 1862, is passed, requiring the company to be wound up voluntarily.
Names, Addrcsses, and Descriptions of Subscribcrs.
\begin{tabular}{|c|c|}
\hline 1. John Jones or & In the county of \\
\hline 3. Thomas Gr en or & In the county of \\
\hline 4. John 'Thempson of & in the county of \\
\hline 5. Coleb White of & In the county of \({ }^{\text {c }}\) \\
\hline 6. Andrew Hrown of & In the county of \\
\hline 7. Cnesar & in the county of \\
\hline Wleness to the above A.11., No. 13, Hute & urux, \\
\hline
\end{tabular}
memorandum and Articles of Association of a Company limited by Guabantee, and having a Capital divided into Sharis.
Mremorandum of Association.-1. The name of the company is 'The Highland Hotel Compamy, Limited.'
2. The registered office of the company will be situnte in Scotland.
3. The objects for which the company is estrblished are 'the facilitating travelling in the Ilighlands of Scotland, by proviling hotels and conveyances by sea and by land for the aecommodation of travellers, and the doing all such other things as are incidental or conducive to the attainment of the above object.'
4. Every member of the company undertakes to contribite to the assets of the company in the event of the same being wound up during the time that he is a member, or within one year afterwards, for payment of the debts and liabilities of the company contracted before the time at which he ceases to be a member, and the costs, charges, and expenses of winding up the same, and for the adjustment of the rights of the contributories amougst themselves, such amount as may be required, not exceeding \(20 l\).
We, the several persons whose names and nillresses are subseribed, are desirous of being formed into a company, in pursnance of this memorandum of association.

\section*{Vames, Addresses, and Descriptions of Subseribers.}
1. John Jones of
1. Tohn Jones of
3. Thomas Green of
5. Caleh White of
6. Andrew Ilrown of
in the counly or
in the county of
In the county of
In the county of
In the county of
In the county of
Dated the 22 nd day or November 1861 .
Witness to the above Signotures,
Articles of Association to accompany preceding Memoraulum of Associution.-1. The capital of the company shall consist of \(500,000 \mathrm{l}\)., dividel into 5,000 shares of \(100 l\). each.
2. The directors may, with the sanction of the company in general meeting, reduce the amount of shares.
3. The directors may, with the sanction of the company in geteral meeting, cancel any shares belonging to the company.
4. All the articles of table A. shall be deemed to be iacorporated with these articles, and to apply to the company.

We, the several persons whose names and addresses are subscribed, ngree to take the number of shares in the capital of the company set opposite our respective names.
\begin{tabular}{|c|c|c|}
\hline Names, Addresses, a & escriptions of Su & Number of Shares taken by each Suhscriber \\
\hline 1. John Jones of & In the county of & 200 \\
\hline 3. John Smith of & In the county of & \\
\hline 3. Thomas Green or & In the county of & 30 \\
\hline 4. John 'hnmpson of & In the county of & 40 \\
\hline 5. Caleb White of & & 1.5 \\
\hline 6. Andrew Hrown ol
7. Cesar White of & In the county of
In the county of & \({ }^{5}\) \\
\hline \multicolumn{2}{|r|}{Total ohares taken -} & 325 \\
\hline
\end{tabular}

Dated the 22nd day of November 1861
Dated the 22nd day or November 186
A.11., No. 13, Hute Street, Clerkenwell, Middleser.

By the Companies Act of 1867 ( 30 \& 31 Vict. c. 131) the liability of the directors or managers, or the managing director of a limited company, may, if so provided by the memorandum of association, be unlimited, sec. 4. And any existing limited company may by special resolution make the linbility of the directors unlimited, sec. 8. But these provisions, insufficient as they are, should have been made compulsory, and not left to the option of the limited companies themselves.
N. B.-We have not thought it necessary to lay before the.reader any abstract of those parts of
to the winding up of 1802 and 1867 which ret proceedings connected therewith and to the lega proceedings connected therewith. Such ulstrac would we think have been of little or no use for in such cases lawyers must be emploved not merely the exact words of the statute alse the interpretation given to thom by courts of law, must be referred to. It is mis prabable too that the law on this subject will speedily moditied. At present it is in a mil discretitable state. It should be reuderel only clearer and more precise, bat more aecordance with sound principles.

It may be supposed, perhaps, to be noelle after the statements we have already lain the the realer [Companies], to make nuy furt remarks upon this subject. But the system i all respects so objectionable, and has alreaty and must continne to lead, to such mischien results, that we nuay be excused for making in the last edition of this work) one or two ad tional statements with respect to it. The er rience of the last 3 years will have doubled th foree, and rendered them conclusive.
Objections to Companies with Limited Liabi -In countries like France, where the peraple montly in narrow circumstances, and unae tomed to, and afraid of, speculative oute:pri there may perhaps be some grouad for mitting the formation of partnerships en com dite. And if they were confined to undertaki that almitted of being carried on according system of routine, such as railways, canals and life :' surances, gas-works, and so forth, do rot know that they would be open to objection. Bat in a country like this, wh eapital is abundant, and where all enterpi however hazardous, that promise anything \(b i\) reasonable return, are eagerly uniletaken, extraorlinary inducements to make cajiti come forward are unnecessary, and thee objectionable. We ndmit, indeed, that in case of companies of the spexial class now all to, though nothing be gained, there is no hazard of nueh being lost by the sharehol being endowed with the privilege of lim liability. Such companics are not easils verted to improper purposes; and though capital of the shareholders may be anptoil expended, yet, as it is most commonly hid on visible, pernıanent, and sometimes ralu works, there is a fund on which the crelitu the event of the concern failing, myp fall But modifying circumstances of this sort very rarely any place in companies formed conducting ordinary industrial or comme businesses. In their case the entire canit the association may be lost or embezzled, mit a farthing being left to the creditors. And moreover, if anything can be, a contrill and an absurdity to suppose that ordiant dustrial pursuits can be so well monaged br associations of any sort, whether the parme indefinitely responsible or not, as ther will individuals or small associations. The iatt on their own aceount, and reap all the adrant of superior skill, attention, and conamy, same time that they are indefinitely repy for all the losses they may incur, and for 4 mistakes into which they may foll, wheth the contrivance or the execution of their pry
But though great public companied be प, able for the conduct of all save rutine besion the fair presumption, or rather, we shoud saf certainty is, that those in which the responsil of the pa-tners is limited will be much. unsuitabls, and more productive of mischic

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d 1867 which reter \(s\), and to the 1 zral ith. Such uhstrae of little or no use t be cmployed, and of the stulute, luat n to them by th red to. lt is most this sulject will ent it is in a miss ald be reudered recise, but mure iples. naps, to be acedle ve alrealy laid tefif to make any furthe But the system is c, and has alrealy le , to such misehiev xcused for makits work) one or tiro add spect to it. The exp will have doubled the onelusive. with Lianited Liabilid e, where the peeples nstances, nand mater speculative ente:pri: some ground for partuerships en conmma contined to nceordap as railways, canals Works, and so forti would be opent to country like this, ud where all enterpil it promise anythiar io cagerly undertaken. ents to mnke capitail necessary, and there lmit, indecd, that io e special class now aing - gained, there is no lost by the sharedum the privilege of lim anics arc not easily urposes; and tbough olders may be unprotit s most commonty haid , and sometimes ru on which the crelitio on faiting, mas flll stances of this son in companies forme industrint of coma case the entire cap lost or embezzed, \(m\) o the creditors. Ani can be, a coota suppose that ore br t, whether the parti or not, ns the will ssociations, The latto nnd reap all the adrux ation, and conomm, are indefinitdy rexp may incur, and for they may shl hein nu execution os curn be f all save rutine busin or rather, we should sa or rath merespons e in which the reporch mited will be moci productise of mil
peals, than those In which there is no such limisition. It must, indecd, be conceded, that, mepite the havy responsibllity under which tho artaes ia ordiuary associations or partnerships wift, they too often display an inexensablo denee of foollardiness. It is probable, indeed, tut the late experience of the ruin that may witf fom placing too much confidence in direcwrill lead to an improvement in this respect, What the character and conduct of these funcwinaris will be more carefully enquired into. Bat without insisting further on considerations of tis soth if parties will every now and then be ales of their interests, and forget or decline to lat the necessary precautions to grard agninst meie and loss when everything they have is aind on the result, their carelessnces, it is obinse will be immeasurably increased when they arslimit their liability at pleasure, and speculate hout any fear of the consequences. No one an doubt that, under such circumstances, wild mivets of all sorts have been, and will be, very ruily increased; and that the number of those atenise baukrupteies which are productive of so momiser have been and will be largely aursand. 'Iosuppose the contrary is to suppose wive daialy contradictory. It is equivalent to splump that a man cares as much for 1,000 . ns infimlor or 10,0001 ., or any greater sum; or is ns mions about a small part as about the whole of his furue, how large soever it may be.
The difirs of not a few of the non-liability campaixs set on foot in Eagland during thic lut fer pears bave already, especially since the ensiso flix. come before the courts of law; and if re the these for samples of the others, we sbodl hre to regard them as little better than mate smalling engincs. But it would not be fair wawdide from the instances referred to that such nutheir uniform character. A good many have wowbe been honestly got up; and tho greater kember of these being for routine purposes, such as berply of towns with water and gas, it may le somed that they will be fairly conducted, and Flisuced. But there are very many of a totally Hetet character. And it would be childish to oppee that in any case the same consideration Iflle giren cither to their formation in tine first asace, or to their future management, that wald be given were the partners indefinitely wit. IItence, while the system operates to the rijulice eren of the best schemes, it holds out itritemptation to set on foot projects with the reativa of deceiving and victimising the public. The contrivers of the new system tell us that, weter it may really be, it is at all events yader rith the public; and in proof of this, they va to the great number of companies that have ena drady formed with limited liability. But sed relerence was needed to enable anyone Wrace that if a plan were set on foot to euable ties to contract debts without being bound to rithem, it would be eagerly grasped at. Gam"nghouses are at present prohibited; but if they but to be licensed, does anyono doubt that mbers of them would be opened in most contable towns?" And we should be told that this da anclusive proof that tho prohibition of maing was disapproved by the public, and that mequiral the healthy excitement furnished by aecrly opened places of entertainment. But deier may be the case with this or that instiWh, one would think that tho former facilities mfiadling might have sufficed, without giving a larther cocouragement.
wt boweret powerful the deleterious influence ze bua-liability system (for such it is when the
shares are paid up) on the formation and conduct of companies, we were assured that it would be more than countervailed by the greater caution it would infuse into those who might deal with them. The nanies and the number of shares held by the partners in such associations, and tle magnitude of their capital, or of the 'fund' to which their creditors have to look, were all to be nuade known; so that those who transacted business with them would be renlly aware of what they had to depend upon. But we take leave to say that they have not had, and will not have, eny such knowledge. Suppose that a non-liability company had a capital of 50,0001 . or \(100,000 l\)., and that it was wholly 1 nid up when it was established: it may have been greatly reduced, or wholly lost, in the next or in any subsequent year; and yet, as the public can know nothing, or nothing certain, of its losses, and may, on the contrary, suppose it has been successful, its credit may not be impaired, and it may go on extending its business and adding to its obligations after it is really insolvent. We havo had since 1866 very numerous and sad illustrations of this. Ordinary partnerships, unless they consist of parties of very questionnble solvency or character, havescldom any considerable difficulty in ob taining large amounts of eredit; nnd companies, it matters not of whom composed, which are reported to have some \(10,0001 ., 20,0001 ., 50,0001\)., or 500,0001 . of paidup capital, will be sure to obtain loans to a much greater extent and with still greater readiness. In their case we have a kind of authorisel gnarantec for the possession of wealth. Ant this, it will be said, precludes all room for distrust; so that, inless we had access to peculiar sources of information, it might be not a little dangerous to question the solidity of such an association. And ret the whole thing may be a snare and a delusion. The assuranee, whether official or otherwise, that a certain amount of capital has been paid up, is, as has been proved over and over again, renlly not worth a farthing. But the chances are, that it will, notwithstanding, serve its purpose with the million. It will make that appear to them to be gold which may not even be copper, and enable parties without a shilling to borrow larga sums, and to trade or speculnte on the means of others. In such cases the public is helpless. There is nothing on which it can rely; aul when the imposture is diseovered by the bursting of the bubble, no one is to be responsible for anything.

However it may be accounted for, there is nothing that is so lavishly and inconsiderately bestowed as credit. Frequently, indeed, it is rather thrust upon than given to individuals and firms. And it would be ludierous to suppose that this is a case in which we can place any dependence on the caution of the public. The only real security is in the discretion, good sense, and, more than all, in the unlimited liability of partners. They know, or may know, what they are worth, and what they are about, which no one else can know. And, in the vast majority of cases, they further know that they will be bankrupts and beggars unless they art prudently and circumspectly. Hence our late legislation is precisely the reverse of what it ought to have been. Instead of diminishing, we shonld have increased the responsibility of partners by abstaining from all incerference with their indefinite liability, and giving additional stringency to the bankruptey laws.
That increased caution on the part of the public which, it was said, would be a result of the new system, is really, therefore, and has proved to be, no better than moonshine. It can have no practicnl influence. The only security which in such matters

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Is worth a pinch of suluff consists in the responsibility of partners．It is not to those who deal with this or that house，but to the lonses themselves－to the guarnntece under which they have been placed－ that we must look for protection agrinst foolhardi－ ness and fraud．
It may therefore be reasonably concluded，that in ordinary businesses－that is，in all businesses for carrying on branches of agrienlture，manufac－ ture，or trade－partuerships with limited linbilitics inn be neither more nor less than unmixed nui－ snaces．It honestly conducted，they must fail in their competition with private parties；and if utherwise，they will only nid to the menns，which wre nlrendy suficientiy extensive，of wasting enpital and fleecing the public．

In the scheme laid down by Providence for the government of the world，there is no shifting or narrowing of responsibilities，every man being personally answernble for all his actions．But the advocates of limited liability proclaim，in their superior wisdom，that the scheme of Providence may be advantageonsly modified，und that debts and obligations may be contracted which the debtors，thongh they have the means，shall not be bound to discharge．Burrow，say they，as much as you please，and pay as little as you like －the less，it would seem，the better．And can it be doubted that the adventurons，the needy，the unprincipled，and the desperate，will be enger to nvail themeclves of such extraordinary privileges？ The reckless speculntion，nnd the consequent hank－ ruptey and ruin，that have on former occasions overspread the kingdom linve been trilling com－ pared with those that resulted in the erisis of 1866， and those future revulsions which may be antici－ pated，should the new system be allowed to spread its roots and scetter its seeds on all sides．Even the soberest indajduals may be tempted to em－ bark in hazardous projects；for，by limiting the risk，they in great mensure secure themselves agninst loss by failure，at the same time that they reap all the adrantages of sucecss．Were Parliament to set about devising means for the encourarement of speculation，over－trading，and swindling，what better could it do than to carry out the non－liability system？

We may be told that Parliament has provided， by the Joint－Stock Companies Act，that in the event of the directors of a compeny declaring and paying a dividend when the company is known by them to be insolvent，they are to repay the same out of their own poekets．This is the statement in the body of the Act；but in the＇regulations for the manngement of com－ panies＇attached to it．and alrcarly quoted，we are told that＇no dividend shall be payable，ex－ cept out of the profits arising from the business of the company．＇We of course de not presume to decide whether this or the other statement be the more correct；but their contralictory nature affords a curious illustration of the slovenly，slip－ shod style in which the most important statutes are often compiled．Perhaps the reader may be inclined to think that those who are disposed to trust to a security of this sort are rather easily satisfied．A body of directers who would，under any circumstances，declare a dividend when they knew that the eoncern over which they presided was bsnkrupt，will not be kept in the right path by the threat now referred to．The declaration of dividends when there is nothing to divide is not the way in which dishonest directors would be most likely to defraud their constituents and the public．They would make loans to cach other， or，if that be prohibited or apt to excite suspicions， they may do the same thing indirectly by the
intervention of third partles．The capital credit of the institution may be perverted，abue and dissipated in a thousaind ways before the cumstance becomes known to the public．
Some who are frienully to the prineiple of limit linbility，but who are at the same time aware the abuses to which it camuot fail to leal if llability be limited to the mere amount of shares，sny that they would not olject to its crease．It has，in consequeace，bren proposed fix the liabllity at double or treble the smonut the shares；so that when a limited compe fuiled，the subscribed capital of which had le fully paid up，the partners would not，as is \(n\) the case，be relieved of all responsibility， would be obliged to make a further payment that were required，equal to the amount of क shares，or to double that amount，as might dceidel upon．This plan has been enfored Canada and in somic other countries，And it undoubtedly a very great improvement upill system existing here；for，while it rases charneter of the partners in limited associali and makes them mure carcful in regand to individuals they choose for direetors，and im disposed to watch their proceedings，it makest contribute to the entire or partisl relief of th whom they might otherwise have involvel total ruin．If，therefore，the system is to lee tinued．we should strongly recommend that liability of the partners should be raised Ieast double the amount of their shares， would add to its solidity，and divest it of sma its worst features．

But，after all，this is only paltering sith mitigating on ev．a which should be cut up tr roots．Livery sound principle is outraged n man who has the means of poying his just dies not pay them．Whether theysre contry by himself directly，or in company with othe of no importance．He is in cither case boun pay them；and to pass laws to protect lis declining to pay them，is to give a legids sanction to dislionesty and villmy．
It is alleged，however，that these repes tions are fallacious；that it is a manifest enta ment on the great principle of the freeder industry to hinder individuals from engagi partnerships under such conditions as they choose to lay down；that in the ereat of conditions being publicly declared，and ervan made aware of what they are，they cand justly objected to；for as it is optional to not deal with the associstion，those who the conditions upon which it is established keep aloof from it．But sophistry of thisw too trnnsparent to deceive anyone，and mig truth，be employed to excuse almost am jugglery or delusion．The question is，nol int limited liability be consistent with this abstract principle，but what are its pracivi sults－what its probable influence over thaty well－being，to promote which either is or \({ }^{\text {m }}\) the olject of all legislation？It is with its in this respect，and with it only，that reiz denl．Now，if there be one principle which than another conduces to the public adur and may be said to constitute the found？ all dealings between man and man，it is ligation to discharge one＇s delts and engye And it is the bounden duty of Goremments to enforce the rule of unlimited lisbility， cases，if such there be，when it an be od made out that the public interests will be promoted by its relaxstion or mspeosion． case of this sort be satisfactorily extablished undoubtediy the rule referred toshould be
18. The capital an be perverted, abused
I ways before the cir to the public. lie principle of linite ae same time awate not tail to leal if tl mere nmount of th 1 not olject to its in ence, been proposed r treble the amount en a limited compar tal of which had be 3 would not, as is no all responsibility, b e a further payment, to the amount of t t amount, as might n has been enforce er countries. And t improvement upin for, while it rases in limited associstia careful in regard to for directors, and me roccedincts, it makesth or partial relief of th erwise have jovolsed , the system is to be igly recommend that s should be raised t int of their shares, \(y\), and divest it of som
is only paitering with ch should be cut up br cinciple is outraged wh ans of paying his just d Whether they are contro in company with othe \(s\) is in either case boun ss laws to protect hit n , is to give a lagiste and villany. ver, that these repres at it is a manifest encro rinciple of the freedon dividunls from engagio ch conditions as ther that in the event of cly declared, and cver they are, they cann as it is optional tode sociation, those who hich it is established ut sophistry of this. ceive anyone, and migh excuse almost any The question is notwh consistent with this of t what are its prectic ble influenceover that e which eithet is or tham tion? It is withitsopec ith it only, that se be one principle whic』 es to the public adry constitute the foundela man and man, it is th one's delits and engre duty of Govennmen unlimited liaditity, ung be, when it ath be ch ublic interests rill be xation or suspension, tisfactorily etablished referred toshould
ing ar as it is concerned. Bat we entirely deny tha when tried by this test, it either has heen or ante bhown thit partnerslips en commandite are palidy alvantageous. On the contrnry', wo have palinat they are in the Inst degrecinjurions, nuil , wh their extensive iutroluction must necessarily intheir cromes atimulus to fraud and reckles pre on immense stimulus to fraud and reckiess qualation.
Fhdealing with ordimary firms or associations. whe trust, or believe they may trust, to the remation for skill and integrity, and to the prewed wealth, of one or more of the partuers, widpesumptions are not, indeed, nlwnys to be weded upon. In these, ns in other mutters, mple may be misled by appearnuces, and may in anmerited degree of confidence in louit inincre professions and promises. But arderentive soever, the presumptions or indlentho refered to afford not merely the best, but t- (wis guarantees that can renlly be had for midtcoaduct. Most people engaged in bushuess, Wherto carried oll, are impressed with the pidfoundel conviction that their interests will whet promoted by their preserving an unblemined reputation; and when they act under the laviet responsibility, the chances are ten to one that they will behave discreetly and honournbly, Bur re have no such guarantees for the conduct f the parners of a society en commandite. Chancters, in their case, of little, or rather of no amenence. Instead of being responsible, they rille may be all, but irresponsible. A., who a worth 3,0001 . or 100,0001 ., has not more, perhagat than some 1,0001 . or 2,0001 . vested in the scietry. Whether he lose or gain by such investmealis matter about which he probably cares rerjithe. Most likely ho has joined the associa. tin that he might engage, without fenr or apprenson, in the boldest speculations. But wheter this be or be not his object, it is an insult mommon sense to suppose that nssocintions of timdescription will be as carefnlly and skiffully adieted as those in which the partners are idedaitely liable for their proceedings.
Itrould be the easiest thing imagimable, were ithill necessary, to corroborate tho previous duements bv illustrations drawn from the United Sues, where the principle of limited linbility has been long estaidished. But these must be frailis to almest all our readers. Fverybody nons thst, notwithstanding the peculiarly fumandecircumstauce, under which the American 4 plamed, from their free institutions, their ellevining character, and the boundless extent of bin fertile and unoccupied lands, brakruptey sten times more prevalent nmong them than - Eggand. The revulsions by which we are vatimes visited, though sufficiently severe, are mule in the extreme compared with those that risdiailly devastate the United States. In unussinstances, every lonaking company in the taino has stopped payment, while great nuubers are beea totally destroyed. And it is the same ith assciations of all sorts. \(A\) opirit of overming, or a determination, at all hazards, to 'go had, is uriversally prevalent, and bears there, heere, its legitimate harvest of bankruptey and nelet. So mur'. so, indeed, is this the case, and ch and so violent are the convulsions referrel that it is no exaggeration to affirm that neyed forturea and personal property are more Rere io nustria and Russia than in the United tee The national character has suffered pugh this miserable system. Those repudiathe which have so justly damaged the credit be Americans, originated in their attempting umit their responsibilities in their public as
well as in their private capacity. And it could harily, inded, be expected that people who may contract debts to their neighbours whieh they are not bound to pay, should be disposed to make an exception in the ense of their foreign creditors.

We sometimes hear the rather unwarrantable assertion, that, unless their liability be limited, neither the poorer nor the zicher classes are generally disposed to engrge in extensivo partnerships. But if it really had the effect of tempting the pooter clusses to engage in them, thatalone wonld be a very sullicient renson why all associations with limited liability should be suppressed. The conditlon of these elnsses will never be improved by withIrnwing their attention from the business to which they linvo been bred, nud in which they are engaged, to fix it on joint-stock adrentures. The spirit of gambling and speculation is alrealy yuite enourh diffiused, without seeking to spread its bunctul influence among the lower classes. Nothing should bo done which it is possible to avoid, to divert their attention from the pursuits of sober, persevering industry: Their aurplus earn. ings may be far more beneficially invested in savings-banks, in loms, and lin contributions to friendly societies, than in joint stock adventures.

And while, on the one hand. it would be very wrong to tempt by immanities of any aort the labouring classes to engage in such schemes, it is, on the other, quite superfluous in the case of their richer brethren. They are already much too prone to embark in them. Even in thoae businesses, the hazard of which is extreme, there is no good reason for exempting those by whom they are carried on from the fullest responaibility. If the demand for gunpowder were doubled, the supply would very shortly be increased in an equal degrec. Wherever there is extra risk, it is compeusated by extra protits: and, practically, it is not found that the cost of gunpowder, or of any like article, is in nuv degree increasel from capitalists being disinclined to face the hazard of its production.

Cantions men are content with moderate profits, and encounter only moderate risks; while those who are snaguine and nilventurous, whether thev be rich or poor, engerly grasp at the highest profits, and to realise them do not hesitate to run the greatest hazards. Now, there is nothing surely to object to or amend in this. And yet the whole ductrine of limited responsibility proceeds on the contrary assumption-on the principle, if we may so call it, that profit and risk shall be divorced from ench other; that speculators may undertake adventures, having, on the one hand, the chauce of making unlimited protits if they turn ou' well, and on the other, of escaping, thougli they may ruin others, with a comparatively trifling loss if they turn out ill. In that peculiar class of cases in which it would seem, at the tirst blush of the matter, that limited resjonsibility would he least oljectionable, it will be found to be most pernicious; for it will give an unnatural stimulus to whit certainly does not require it, that is, to hazardous enterprises and desperate adventures.
On the whole, nothing but inischief can be legitimately anticipated from the establishment of partnerships with limited liability, or en commandite. It was not by the aid of the principles which they involve-by shirking responsibility, and evading the risks inseparable from all under-takings-that we have attained to our pre-eminence in character, in wealth, and in manufacturing and conmercinl inlustry. But are we well assured that the alloption of a contrary aystem will nut mark the era of our declitie?

Applicotion of \(1 . i m i t e d\) Liability to Banking.-

The limited liability system was not applied in the outset to the business of banking. But this exemption was of short continuance, a statute linving been passed in the course of 1858,21 \& 22 Viet. c. 91 , followed by that of 1862,25 \& 26 Vict. c. 89, which authorised bnuking companies, not issuing notes, to be established with limited liability. It was alleged in defence of these measures, that there should be no exception to the general rule; and that Parliament, having iutroduced the system of limited liability into other businesses, was bound, in consistency, to extend it to banking. But if this sort of rensoning is to have any intluence in such matters, it would not justify merely, but require, that the system should be extended to all companies, however small the number of partners, and even to all individuals. Why is a privilege to be conceled to 10 or 12 persons, and denied to 6 , to 4 , or to 1 ? Where, may we ask, is the justice of such a proceeding? Why should not Mr. A. be permitted to limit his liability; to declare, à priori, that whatever debts he may contract, he slinll be liable only to the extent of some \(500 l\). or \(1,000 l\).; and thatsit is to this 'fund,' and not to hia estates, his factorics, or his consols, that his creditors have exclusively to look? But everybody knows, or ought to know, that there is something mere than mere logical sequence to be attended to in public affairs. When a law has been enacted which affects certain businesses or certain lndividuals, the question, whether it should be extended te others, depends in no degree on hypethetical notions about the symmetry of legislation, but on the fact whether it is a beneficial luw, and whether it is fitted to promote the interests of those to whom it is proposed to extend its operation Now as limited liability has not a single good quality to recommend it, the sphere of its operation, instead of being extended, sbould be contracted as much as possible. In so far, however, as banks are concerned, we incline to think that its extension to them will not have mueh influence cither one way or other; for we cannot believe it possible, if an ordinary bank limit its liability, that half-a-dozen individuals will be found foollardy enough to entrust their money to its keeping. If they do, they will well deserve the fate which may be expected to await them-that is, to lose their entire deposits. If such bank attempt, as it will probably do, to allure loans by the offer of a comparatively high rate of interest, that will make its ruin more certain and immediate, and is a bait that will be swallowed by those only whose ignerance is even greater than their voracity. We thercfore have little doubt that the device of limited liability will be rejected by such banking companies as have any pretensions to character, or that have any wish to possess and deserve any portion of the public confidence. We subjoin the Act, \(25 \& 26\) Vict., 80 far as it refers to Banking Companies.

On registration with Limited Liability Notice to be given to Customers.--Provided that every company ao registering itself again as a limited company, and every existing banking company which shall register itself as a limited banking company, shall, at least 30 days previous to obtaining a certificate of registration with limited liability, give notice that it is intended so to recister the same to every person and partnerohip firm who ahall have a banking account with the company, and such notice shall be given either by delivering the same to such person or firm, or leaving the same or putting the same into the pest addressed to him or them at such address as shall
ed or otherwise become ess to or by the com． pany shall omit to give nbefore required to to company and the per－ e for the time leing in－ respect of which suci given，and no far as 1 all variations theren？ ch such motice shall te therwise，the certificate 1 liability ghall have ao
lith a Statement periodi－ inking company shall incess，and slso in Feb． ry year during which it a statement in the form －hereto annexed，oz a ances will admit，and hall be put up in a ceen isterch office of the com ch office or place when f the company is carrie nade in due compliara his section，the compans aty not exceeding jh．an nanager who shall know uult shall iacur the lin er and creditor of any soo led to a copy of the stath 4 sum not exceeding a
be published by a Linitu eferred to in Part III． t，c． 89.

y on the firsi day of Jatuas，


\section*{Total}
chat day were－？ thal（day were
ting them）

Total
．c． 29, joint－stock banki to show their list of shax ed shareholder between
（1）Commercial Xarigria for hire from one pial Passage ships are th to the converance of \(p\)
nerally placed under err extent to which emigt it of the utmost importh should be carefoly ried out．
oportion of these emigh rs，has consisted of of city，or \(\mathrm{ra}^{4}\) ：ot famim aordinary stumulas to has since been contix a condition of the pasian the bulk of the emalare of petty holings or by the large gums of mol
whid have been sent to Ireland by parties who wre emigrated，to encourage and assist the emi－ motion of others．But thete is no reason to fear Sus this amigration，however promoted，will be anied to excess．The rise of wares eensequent athe dimimution of the populntion will effec－ anly hinder this result．It has lntterly，indeed， atliod considerably；and there can be no man－ of doubt that emigration from Ireland mieht arriel to a much greater extent than it lans xamencaried，without its being otherwise than pidratageous to that island and to the United diagtom generally：
Enimation from the Uuiter Kingdom during the 33 Years，from 1815 to 1867 inclusive．
\begin{tabular}{|c|c|c|c|c|c|}
\hline Tu1 & Sorth imerics Coloniet & I＇nited states & \begin{tabular}{l}
Austra． \\
Ilan Coln． niey and Nealand
\end{tabular} & \[
\begin{aligned}
& \text { All } \\
& \text { other } \\
& \text { Maces }
\end{aligned}
\] & Total \\
\hline 103 & 6.50 & 1，209 & & 192 & 2，081 \\
\hline 195 & \(3{ }^{3}\) & 9,1027
10.280
10 & ＊ & \({ }_{537}\) & 20，6，3i \\
\hline 14： & \({ }_{1}^{4,7,136}\) & 12，129 & － & 242 & 27，787 \\
\hline 119 & 43， & 10，674 & & 579 & 31，787 \\
\hline （4t） & 87，921 & 6,743 & & 1，063 & 25，724 \\
\hline 414 & 12.935 & \(4,9,58\)
4,137 & & \({ }_{279}\) & 20，420 \\
\hline Hert & （16，013 & 8，038 & & 163 & 16，5．50 \\
\hline in & 8.754 & 3，152 & & 99 & 11，045 \\
\hline \(1{ }^{1}\) & 1，741 & 5，501 & 485 & 114 & 1，4，91 \\
\hline 1146 & 12,818 & 7，063 & 7003 & 11.6 & 80， \\
\hline 澵 & 12，6088 & 14,817
12,41 & 1，0．66 & 133 & 86,092 \\
\hline 率 & 15， & 15，678 & 4，016 & 197 & 31，198 \\
\hline 13 & 30， 74 & 4．1，887 & 1，2420 & 201 & 56，907 \\
\hline 妣 & 5s，067 & 23，118 & 1，361 & 114 & 8．3， 106 \\
\hline \(1{ }^{10}\) & 66，339 & 32,872
49,109 & 3，7093 & 517 & 303，1507 \\
\hline 1103 & 19,408
40,0610 & 33，171 & 2，410 & 285 & 76，242 \\
\hline 10 & 80， 3,37 & \({ }_{2 i, 720}\) & 1，560 & 325 & 4.488 \\
\hline 105 & 3，2，6 & 37，774 & 3，1\％1 & 993 & 75，417 \\
\hline W & 49，\({ }^{\text {a }}\) 1 1 & 36，770 & 5，051 & 346 & 72，031 \\
\hline Itw & 1，577 & 14，332 & 13，021 & 219 & 33，242 \\
\hline （\％ & 19.659 & 33,536
40,612 & （15，786 & 1，959 & 62,2107
90,713 \\
\hline 140 & 3,493
58,161 & 4，40，617 & 32，62．5 & 2，786 & 118， 892 \\
\hline 141 & H，125 & \(6.3,804\) & 8，5，34 & 1，835 & 188.341 \\
\hline 13 & 23，518 & 285335 & 3，478 & 1，881 & 57，214 \\
\hline 184 & 22，983 & 43，660 & 2，2890 & 1，873 & 70，6886 \\
\hline \(1{ }_{18}\) & 31,003
43,39 & 58,338
82,33 & 2，3，37 & 1，846 & 129，851 \\
\hline \({ }_{\text {\％}} 16\) & 43,139
to9，680 & 88,39
142,154 & 2，317
4,949 & 1，4N7 & 258，270 \\
\hline 159 & 51，063 & 188，2，33 & 23，904 & 4，887 & 248,089 \\
\hline 149 & 41， 367 & 219，450 & 32，191 & 6，490 & 299， 4194 \\
\hline ［40 & 32，961 & 223，078 & 16，037 & 8,773 & 280，849 \\
\hline 14 & 12，605 & 467，357 & 81，53y & 4，478 & 33，5966 \\
\hline ［5］ & 3t， 73 & 241，461 & 87,881 & 3，749， & \({ }^{368,761}\) \\
\hline 43 & 34,592 & 230，885 & 61，401 & 3，129 & 342,937
323,129 \\
\hline 1s & \({ }^{43,361}\) & 193,065
103,114 & \(8,3,23\)
32,319 & & 323,129
176,07 \\
\hline  & 31,966
16,38 & 103，484 & 32,319
41,584 & 3，178
\(\mathbf{3 , 7 5 3}\) & 176， 17.5 \\
\hline 明 & 9，01 & 126，905 & 61,248 & 3，721 & 212.875 \\
\hline 183 & 9，09 & 39，716 & 39，293 & 3，2：57 & 113，972 \\
\hline 159 & 6，669 & 70，303 & 31，013 & 12，427 & 120，4．32 \\
\hline 350 & 9，896 & 87.500 & 21.302 & 6，881 & 128，469 \\
\hline 15： & 12，07 & 49，764 & 23，738 & \({ }_{5}^{51461}\) & 91， 910 \\
\hline 143 &  & 35，766 & 53，051 & S，\({ }^{\text {SOH }}\) & 223，i58 \\
\hline 141 & 12，301 & 117，042 & 40，942 & 8，195 & 2118，9010 \\
\hline lss & 13，211 & 147，258 & 37，28．3 & 8，049 & 209，801 \\
\hline 15 & 13,453
1,503 & 761， 100 & 24，037 & \(6,5,30\)
6,709 & \％ 4.4882
195,953 \\
\hline 1.4 & 41， 1,315 & 3，915，0il & 343，618 & 139，110 & 6，302，345 \\
\hline
\end{tabular}

\section*{mmasiemirration from the Uniled Kingdom：－} \begin{tabular}{l} 
Yrom 1815 to 1867 for the 10 years ending is \\
is \\
\hline
\end{tabular} 0118912
\(: 161,915\)
Corsoma setums do not record any Emberation
Whe the 10 yean，tut 14 appears from other sources that there
 molisis， 45 p persons．The e numbers have not been Included in

Itis seca from the above account，that in 1852
wifrer than 368,764 ，and in 1854， 323,429 volun－
syymigrants left the United Kingdom；and such
peng the vast extent to which emigration is now wried，the propricty，or rather necessity，of axaling some general regulations，with respect to be conreyance of emigrants to their destination，
zont be obvions to everyone at all acquainted
ith the sabject．The greater number of emi－
rants are in humble life：few among them know
netbing of ahips，or of the precautions necessary insare a safe and comfortable voyage ；they are vo，for the most part，poor，and excecdingly xions to ceonomise，so that they seldom liesi－ fe to embark in sny ship，however unfit for the
conveyance of passengers，or inadequately fur－ nished with provisions，if It be cheap．Unprinel－ pled masters and owners have not been slow to take advantage of this；and in orider to prevent the frauls that would otherwise be praetised on the unwary，it has been fomul indispensable to lay down some general regulations as to the num－ her of passengers to be taken on bourd shlps as compared with their tonnage，the quantity of water and prosisions as compured with the pas－ sengers dec．Dut thls is no very casy task．If the linitations be too strict，that la，if compara－ tively few passengers may be carried，or if the stoek of provisions to be put on boaril be either timecessarily large or expensive，the cost of emisration is proportionally enhancel；and an artiticial and serions impediment is thrown in the way of what sheuld be made as ensy as possible． consistent with security．But，on the other hand， if too many passengers be allowed，their health is liable to sutfer ；and should the supply of pro－ visions be inadequate，or the quality bud，the most serious consequences may ensuc．The Act f Geo．IV．e． 116 obliged too great a quantity of expensive provisions to be put on board，and was in eonsequence objected to by rmigrants as well as shippers．The Act 9 Geo．IV．c． 21 avoided this error；but it was defective，inasmuch as it made no provision with respect to the sufficiency of the ship，the having a surgeon，or othe properly qualified medical person on board ships carrying a certain number of passengers，and in other particulars．Theso deficiencies were in part supplied by the Net 5 \＆ 6 Wm ．IV．c． 53 ，and subsequent statutes，including the 15 \＆ 16 Vict． c．4．1．Rut the provisions in these Acts having been found to be in several respects inadequate， they have been repealed，and the following regu－ lations，embodied in the 18 \＆ 19 Vict．e． 119 and 26 \＆ 27 Viet．c． 51 ，have been substituted． We doubt，however，whether these will be maih longer lived than those by which they have been preceded．They seem to be singularly de－ ficient in the precision and clearness so very nocessary in such matters，and to be eneumbered with a host of details nltogether foreign to the real business of the statute，
Act of 1855，tue 18 \＆ 19 Vict．cap．119，for reotlating the Carriage of Passengeifs by Sea，amended by the Act of 1863， 26 \＆ 27 Vict．CAP．51，aND nelative Ornens in Cornctil．
The sections referred to are those of the Act of 1855，unless that of 1863 be eited．
Commencement of this Act，and repeal of former Act \＆c．－＇The Passengers Act 1852 ＇shall be repealed；except so far as the said Act repcals any former Act or enactment；and exeept as to existing passage brokers＇licenses，which shall continue in foree as mentioned in sec． 68 of this Act，and except as to any ship which shall have eleared out from any colonial port under the said Aet，and before this Act shall have come into operation in such colony；and except so far as may be necessary for supporting or continuing any proceeding taken or to be taken upon any bond given under the said Act，or upon any other civil process ；and except as to the recovery and application of any penalty for any offence committed against the said Act；and except also as to an order in council made by her Majesty on October 16，1852，in pursuance of the powers given by sec． 55 of the said Act，which said order in council shall remain in force until altered or revoked by any order in council to be made under the provisions of this Aet．（Sec．1．）
section 2 directs that in reciting this Act in other Acts of l'arlianent, of in any instrument, clocument, or proceedlag, it whall be suffleient to use the expreskion 'The l'assenters Aet 185.).'
Section is lays down the definttion of terms used lit thls Act. Plue description of 'passenger shlip' is repenled in the Act of 1863, and th: term is intented to signify every description of scagoing vessel, whether Iritish of foreign, carrying, unon nuy voynge to whleh the Aet of \(185^{\circ} 5\) extenis, inote thin 50 passengers, or a grenter number of passeugers than lin the proportion of one statute adult to every 33 tons of the registerad tomage of such ships if propelled by saits, or than ono atatiste adult to every \(\because 0\) tons if propelled by steain.

To what Vessels aud Voyages thin Act c.rtencha.This Act shall extemit to every 'passenger ship' proceeding on any voyage from tho Linited Kinglom, to nay place out of Europe, and not belng within the Mediterrancan sien, and on every colonial voynge as after deseribed, and lu tho particulafs mentioned or referrel to in secs. 100, 101, and 102, to every ship bringing passemgers into the United Kingelom from any place ont of Europe, and not being within the Meiliterranema Sea; lut shall not extend to any of lier Majesty's ships of war, nor to nny ships in the setvice of the lorts of the Admiifalty of the United Kingdom, wor to nny ship of war or transport in t':c service of the linst India Company, nor to any steans vessel regularly employed in the conveynance of innils under nis existing contract with the Government of the state or colony to which suchs steam versel mny belong, provided the master thereof shall, on demand, produce to the emigration officer at the port of clearance or port of departure a certitleate of exemption, in the form piven in schedule ( \(\Lambda\) ) bereto annexed, under tho hand of the postmastergeneral of the United Kingdom, or of some person deputel by him for the purpose, or in the ease of a colony, under the hand of the governer thereof, ar in the case of a forcign atate, under the hand of the postmaster-genernl or other competent Govermment officer, whose signature shall be authenticated by the signature of \(n\) British consular officer in sucli foreign state. (Sec. 4.) Jut by the provisions of the Act of 1863 , stean vessels carrying maila, if they carry other than cabin passengers in sufficient numbers to bring the vessel within tho definition of a 'passenger ship,' are brought wit.sin the Act.
Penalty on fraudulently using Certificates or using Fraudulent Certificutes.-Sueh eertiticate of exemption shalt be issatable at the diseretion of the officer authorised to grant the same na herein mentioned, and shall remain in forco for the period specitied therein, unless sooner revoked, or unless the vessel for which it shall have been issued shall sooner cease to be employed in carrying the public mails; fnd if nay jerson whall make or attempt to make any fraudulent use of any such certificate, or shall forge, counterfeit, niter, or erase the whole or any part thereof, or shall use or attempt to use any spurions or fraudulent certificate, the person so offending, and every person aiding and abetting in such offence, shall be liable to a penalty not excceding 500l, and the vessel for which the exemption is claimed shall not be cleared out until all the requirements of this Act have been complied with. (Sec. 5.)

Clause 6 enacts that the commissioners of emigration shall carry this Act into execution.

Clanse 7 enacts that the emigration commisainners may suo and be sued in the name of their Secretary \&c.

Clause 8 enacts that the emigration officers and
aselstants aro to act under the commiswimen empratlon, nul that existing appointmenty are to emintine until revoked.

Clause 9 ellacts that the duties of emigrati oflleer may be presformed by his ansistant of b the chief oflcer of customs.
thecilities to be given for the lnapection of at Ships fitting for Passengers. - The master of erery ahip, whether a 'passeuger whip' or stherwion, titthig or lintended for the carriage of passeniem or which slinll carry passengers upon any varapy to whieh this Act extents, shantl afforil to the emigrnilon olleer nt any port or place In b Majerty's dominions, nuid, int the ease of Mritind ships, to lier Majesty's consulnt officer nt foreign port or place at which such shlp ahall or arrive, every facility for laspecting such shin and for commanicating with the pasengers on for ascertnining that the provisjons of this \(d\) so fir as the same may be applicable to sach shlps, have been duly complied with; the mave of niny shlp who shall omit or fail to comply with nuy of the requirements of this section, winll lable to a penalty not exceeding 5u\%. (Ner, 10,

No P'rascuger Ship to elear withot Certion from Bimigration Officer \&ec.-No alip fitted intended for the carringe of pasaengers as a ' \(p\) senger ship,' shall clear out or proceed to sea un the master thereof shall have olitatued from to enigration officer at the pert of clearance a ceni cute of clearmece suder his hand that all requirements of this . Aet, so far as the same en
complled with, betore the departure of ind ship, have been duly complied vith, and that suad ship is, in his opinion, senwurthy, in aafe trim, ant in all respects tit for her intended voynge, anitio her passengers and crew are in a fit otste to pe ceed, nor until the master shall have joinel excenting such bond to the Crown as required sec. 63 of this Act : provided, that if suchen fration officer shall refuse to grant such ent cate, and the owner of charterer of such th shall apireal in writing to the emigration oo missioners, such commlesioners shall appuint ut 2 other emigration offieers, or any 2 cunpee jersons, at the expense of the appellant, examine into the matter, and if the penons appoisted shall grant a ectificate under the joint hands to the purport hercinbefore my such certiticato shall be helil to be of the nin effeet ns if granted br the emigration oficer ol port of clearance. (Sec. 11 .

Where Pasengers may be carri l- .io shall carry passengers or cabin passeapes more than 2 decks : providel, that cabin pase gers in a proportion not exceeding I cabia pase ger for cevery 100 tons of the ships tonnage sick persons placed in a hospital, as after porik may be carried in a poop or deek house, ambit stninding that passengers are carried on ? de deeks, and if passengers are carried under thep or in any round honse or deek house, such pex round house, or deck house shall be propetrice and secured, to the satisfnction of the emingio officer at the port of clearaece: for any brad this cunctment the master of the ship stall each offence be liable to a penalty not cxasil 5001 , nor less than 201. aterling. (Sec, 13.)
Rule for determining the Number of Pang to be carried.-For determiaing the number passengers to be carried in any 'pasengrt the following rules shall be observed:-
2. No ship shall carry under the poop wind round house or deck house, or on the 'uppeps senger deck,' a greater number ef pasengers in the proportion of 1 statute sdult to aery clear superficial feet of deck allotted to beir use
the commissinnety of chappointments are to
duties of emigration y hla asylatant of hy
the Inspection of all -The master of erery ship' or otherwis, carriage of passengets, ygers unon any varsye ls, slinll nfforid to the pert of pilace to her ill the case of British consular uflifeg at ang hich such shlp sthall be r luxpecting such slip. ith the passengers and provisions of this Act, be applicable to soch iplied with; the masel it or fail to comply with of this section, slant b ceedhig 5u1. (S'er, Jo. elenr witho \(t\) Certifint \&oc.-No thip fittel 1 of passengers as a'pas ut or proceed to sea anti liave olitalued from thin port of clearance a certian his linnd that all the 1, so far as tho same cu re the departure of sad aplied with, and that such aworthy, in safe trim, man iutended voyage, and the are in a fit state to pry ster shall have joined if the Crown as required by oviden, that if such em. Puse to grant such certiois is charterer of such shis ; to the emigration issioners shull apprint an cors, or any 2 cuappeten hse of the appeliant, ter, and if the persons a certificate undes the port hereinbefore requim e hold to be of the sum he emigration offices of c. 11.)
nay be carrul.-io it or cabin passeajers ovidel, that cabin paso texceeding 1 cabin pasea of the ships tonage, - hospital, as affer prorida op or deck honse, andrum eess are carried on ? othe are carricd under the \(p\). or deek house, such p ouse shall be propertry isfaction of the emigrax lesravee: for any brat aster of the ship shall to a penalty not cxceuii sterling. (Sec. 13.) the Number of Parncy letermining the pumbey iod in say ' passengri lll be observed:ry under the paparainth ouse, or on the uppepa number of passegres statute sdalt to fers 1 deck allotted tother use
3. Suship shall carry on her lower passeniger deth a grater mumber of paserngera than in the trontion of I statute ailule to every 18 clear mprbial feet of deek alloted to their use: proind nevertheless, that if tho height hetwoen
 wediaty aluse it shand he less thum \(\boldsymbol{7}\) feet, or if
 arichlight and air shall be allonitted to the lower winn deck whall be lews in size than in the wortion of 4 ajpunre feet to every 100 silperflelal fote of the low'r jassenger deek, no greator minber of passengers sluntl be carried on such whan in the proportion of 1 statite ndule to wet :'t elear superticial teet thereof:
i. .io ship, whatever be her lonnage or supertial gare of 'pmssenger decks,' whall carry a pates number of passengers on the whole than a be proportion of I statito nilult to every 5 axrical feet, dear tor exarcine, on the inper bat or puop or (if secured and titted on the top vith a niling or gutril to the natimfaction of the remation officer at the port of clearance) on any mad house of deek houte:
3. ho the meamement of the passenger lecks, Map rand house, or aleek house, the space for behapital and that oceupied by such portion of the pasond luggage of the passengers as the mimation officer may permit to be carried there thell be inpluded.
Irodanses which : imited the number of pasangentr the registered tonange and laid penaldis on the ciulation of this ruln, were repealed by the Act of \(1 \times 63\).

Mid to rpeal 16 \&- 17 I'ict. e. 8.t.-l'rovided, arterteres, that notlining in this Aet shall rupal the det 16817 Viet. e. 84 , intituled 'An Lat imend the I'assengers Act 1852, so far 4u ranes to the l'assages of Natives of Asin Arica, and also l'assages between the Island "Cerlon and certain l'arts of the East Indics.' (xe. 15.) The Indian Act No. 13 of 1864 refhes the emlgration from British Indin.
Pumgern' Lists to be delivered in Drplicate by Walter before Clearance,-The master of every lip wnether a 'pnsseuger ship' or otherwise, ming passengers on any voyare to which this testends shall, before densanding a clearnnce r och ship, sign 2 lists, made out according the form contained in sohedule (13.) bereto eased, correctly setting forth in the manner verind directe.: the nsme and other particulars of k wip, nad of every passenger on boarl thereof: a the said hista, when countersigned by the igntion officer, where there is one at tho port, wilbedelivered by the master to the oflicer of customs from whom a clonrance of the said ip shall be demsnded, and such officer shall atepon also countersign and return to the said eter I of such lists, called 'The Master's List;' the said master shall note in writing on such r-mentioned list, snd on any additional lists to made out as next provided, the dute and supA cause of death of any passenger who may and the date of birth and sex of any child 0 may be born on the rovage, and shall exid mich list, with any additions which may ontime to time be rade thereto, to the chief xer of customs at any purt or place in her iestr's possessions, or to her Majesty's constiooficer at aoy fareign part at which the said ragers or any of then shall be landed, and IIdeposit the same with such chief officer of woms or such consular oflicer, as the case may tt the final port or place of discharge, and Cofices of customs or consular officer shall rupon forthwith transmit the particulars re-

Nprecting any panfenger wh., may dif, or of any child who maty be born on the voyage, to the registrar-genesil of birins, deaths, nail marriages in Einelund, who shall tle the samis, and enter a copy thereof la the 'marine register book,' which entry slanil be dealt with and be of the same value an any other entry made hin such book under the provisions of the \(\mathbf{6}\) d. 7 Wm. IV, e, 8ti: in case of non-compliance with any of the repuiramenten of this section on the wart of the master, or if such lists slanll bo wilfully false, the mastor shall for anch offenco be liable to a poualty of not more thun 1001. nor less than 6\%. (Sec. 16.)
Linta of I'asmengers emhorked after Clinnance ta be delivered by Mhater.-II at any time after nuch lists have been slgned and deliverod, any miditional passenger shall be taken on boaril, in such case the master shall add to ' the muster's list ' the unmes and other particulars of every such adtitional passenger, aud shall also sign in sepmrate list, mado ont according to the aforesalil form, contuinlag the names and other purticulars of every such additional passenger, mil such lastmentioned list, when countersigned by the emigration officer, where there is one at the port, shall, with 'the master's list' to which such uddition has been made, be delivered to the chief ollicer of customs, and therenpon such officer whall countersign 'the master's list,' and shall return the same to the soid master, and shall refain the separate list, and so on in like manner whenever any additional passenger or passengers may be taken on board; or If no oflleer of eustoms be stationed at the port or place where such ablitional passenger or passengers may be taken ohs boarl, tise said liats shall be delivered to the ollicer of enstoms at the next port or place at which cuch wessel shall touch or arrlve and where any such offleer shall be stationed, to be dealt with as before mentioned: provided, that when nuy additional passengers are taken on board, the master shall obtain a fresh certifleate from the emigration oflieer of the port that all the requirements of this Act liave been duly complied with before the ship proceeded to sea: in case of noncompliance with any of the requirements of this section, the master of such ship shall for each offence be liable to a penalty of not more than \(50 /\), nor less than 5. (Sec. 17.) By the Aet of 18633, the regulations of the 16 th and 17 th secs, are extended to cabin pnssengers, who are to be distinguished as under and over 12.
Pemalty on Persons found on board Ships withont Consent of Owners fe.-If any person be found on board any 'passenger ship' with intent to olitnin a passage therein without the consent of the owner, charterer, or master thereof, such personand every person aiding and abetting him in such frandulent intent, shall respectively be liable to a penalty not exceeding 51 , and in default of payinent to imprisonment, with or without hard labour, for not exceeding 3 calendar months; and such person so found oll boarc may be taken before any justice of the peace, witheut warrant. and such justice may summarily hear the case, and on proof of the offence, convict such offender as aforesaid. (Sec. 18.) By the Act of 1863 the nenalty is extended to 200.
All Passenger Ships to be surveyed before clearing out.-No ' passenger ship' shall clear out or procecil to sea unless she has been surveyed, under the direction of the emigration officer at the port of clearance, but at the expense of the owner or charterer thereof, by 2 or more competent sirveyors, to be appointed by the said emigration commissioners for cach port at which there may be an emigration officer, and for other ports by the

\section*{PASsENGERS}
commissioners of customa, nor unless it whall be reported by much surveyorn that moch 'possenger ship' is in their opinion menworthy, and fit for her intended vovare. The narver shall the made befure any piart of the eargo is taken on hearif, except so much an may be necessury for bollanting the ship, nad auch portion of enrgo if laden on board math he shifted, if required loy the emigration ollecer or surveyors, so ns to expose to view nuecesalurly every inrt of the frame of the mhip. In case of non-compliance with any of the reguirements of this section, the owner, eharterer, or master of the ship, or any of them, sandl for each olfeure be liable to a penalty not exceedling lool. nor less then 6h.: provided alway, that in case any 'passenger ship' be reported by such surveyors not to bo seaworthy, or not dit for her mail litemed voyage the owner or charterer, if he think tit, may require, by writhig under his hand the emlgration oflleer, or in his absence the chief ofleer of cuntoms, to appoint 3 other competent surveyors, of whom 2 at least shall be shipwrights, to survey the snid ship, at the expense of the said owner or charterer; and the said officer shall thereupon appoint such surveyors, who shall survey the said ship, and if they shall, by an unazimons repert under their hands (but not otherwise), declare the and ship to be aeaworthy, and fit for her intended voyage, the said ship ahall then, for the purposea of thla Act, be deemed seaworthy for such voyage. (Sec. 19.)

As to the Constraction of Beams unal Decka. In every 'pasenger ship' the beams supporting the 'passenger decks' shall form part of the permanent structure of the ship: they shall be of adequate strength, in the juelgment of the emigration officer at the port of elearance, and shall be firmly secural to the ship to his satisfaction. The 'passenger deeks' shall be at leant \(1 \frac{1}{2} \mathrm{in}\). In thlckness, and shall to lail and firmly fastened upon the beams continuously from side to side of the compartment in which the passengers are berthed. Tho height between that part of any deek on which passengers are carried and the deek immediately above it shall not be less than 6 ft . In case of non-compliance with any of the requirements of this section, the owner, charterer, or master of the ship, or any of them, shall for each offence be liable to a penalty of not more than \(00 \%\). nor less than 51 . (Sec. 20.)
Arraugement and Size of Berths,-Tnere shall not be more than 2 tiers of berths on nny 1 deek in any 'passenger ship,' and the interval between the floor of the berths and the deek immediately beneath them shall not be less than 6 im ., nor the interval between each tier of berths and between the uppermost tier and the deek above it less than 21 ft .: the berths shall be securely constructed, and of dimensions not less than \(t\) ft. in length and 18 in . in width for each statute adult, and shall be sufficient in number for the proper accommodation of all the passengers contained in the lists of passengers hereinbeforo required to be delivered by the master of the ship. No part of any berth shall be plineed within 9 in . of any water-closet, erected in the between-decks. In case of non-compliance with any of the requirements of this section, the owner, charterer, or master of the ship, or any of them, shall for each offence be liable to a penalty not exceeding 501 . nor less than 51. (Sec. 21.)

Single Men to be berthed in a Separate Com-partment.-In every 'passenger ship' all the male passengers of the age of 14 y ears and upwards who lo not occupy berths with their wives shall, to the satisfaction of the emigration officer at the port of clearance, be berthed in the fore part of the ship,
in a compartment divlided of from the sp
 whantinl and well securel hulk-henh withon opeuing into, or rommuniration with any at oluing pasaenger herth, of in meparate any a the ship be titted with caclosed tworth vem than I pasasenger, unleas husban! and wif females or chiditron under 12 years of aper, , hion placed in or occupy the santo berth. Ia case non-eompliance with nuy of the requirement this section, the owner, charteter, or maverer whip, or any of them, whill for narh oteterea inale to a penalty of not more than wol, nor than b1. (Sec. 22.)

Berths not to be remorel till Paniengers linilecl.- No herths in a 'passenger alip' ocem ly passengere durlng the voyage shall be it down until \(\$ 8\) hours after the nurivil of such s at the port of thal discharge, unless all paswengers shall have voluntarily quitted the s before the expiration of that time. In case non-complinnee with any of the requinment this section, the master of auch ship shall be lia for each offence to a peunlty not exceeding nor less than 51. (Sec. ©3.)
Space to be allotted as an Moapital, - la 'passenger ship' there shall be a sufficient spil properly divided off to the satisfaction of the es gration officer at the port of clesrance, to used exclusively as an hospital or hospitals fort passengers: this space shall be under the proen, in the round house, or in any deck honsex shall be properly built and secured to the ou faction of such emigration officer, or on the a passenger deek, and not elsewhere, and shall in ense be less than 18 elear superficial feet for er 50 passengers which the slif shall carr. hospitals shall bo fitted with bed-places, supplied with proper beds, bedding, and ctean to the satisfaction of the emigration officer at port of clearance, and throughout the roragel so fitted and supplied. In ense of non-complis with any of the requirements of this section, owner, charterer, or master of the ship shall ench offence he liable to a penalty not axuel 501, nor less than 51 . (Sec. 24.)
Regulation as to the Construction of Privet'passenger ship' shall clear out or proceed to unless fitted, to the satisfaction of the cminn oflicer at the port of elcarance, with at les privies, and with 2 additional privies on deck every 100 passengers on board, sind in carrying as many as 50 female passengers, wite least 2 water-closets under the poop, or elent on the upper deck, to the satisfaction of emigration officer, for the exelusive use of women and young children ; all of which pa and water-closets shall bo tirmly constructed maintained in a serviceable and cleanly cond throughout tho voynge, and shall not be 5 down until the expiration of 48 hours ate arrival of the ship at the port of final dide unless all the passengers sooner quit the provided that such privies shall be placed ing numbers on each side of the ship, and need any case exceed 12 in number. In case of compliance with any of the requiremento d section, the master shall be lisble to a penify each offence of not more than 501, nor lesiti (Sec. 25.)
As to Light and Ventilation,-No 'reag ship' shall clear eut or proceed to ses rim such provisions for affording light and in to passenger decks as the circumstances dithe may, in the judgment of the emigration office the port of clearance, require; nor it there arg many as 100 passengers on board, without ha
off from the opare assenyers ty a aub luilk-hemb, withon ation with, any al in meparate rowma if ned therthas. Sot mory ambun! nal wife, of years of age, ohalif ne berth. It cave \(f\) the requirements rterer, of master ef it 1) for ewh atifere nore than jol. anile
ed till Pustengers o issenger whip' occupie voyage shall the take the arrival of such thi charge, unless all ind atarily quitted the shis that time. la case of the requirements - such ship mall be lian alty not excealing 3.) an Hospital.-In evet
hall be a sufticient spa e atisfaction of the em ort of clesrance, to ospital or hospitals fort rall lie under the prop, in any deek house whi and secured to the sat on officer, or on the app cisewhere, and shall in or superficial feet for er he slip shall carty. ted with bed-places, eds, bediling, and titeos ie emigratioo officet at hroughout the royage la In ense of non-complian rements of this section, haster of the ship shall to a penalty not sxeedis (Sce. 24.) Construction of Pricusclear out or proced to tisfaction of the emimata clearnnce, with at leas litional privies on deck a on board, and in sh 0 female passengers, with nder the poop, of elserit - the satisfaction of the exchasive use of ildren; all of which pai Il be firmly constructed eable and cleanly condil ce, and shall not be the ration of 48 hours after the port of final disch gers sooner quit the vies shall be placed in 0 of the ship, sad need m. n number. In case ds of the requirements all be liable to a peatity ore than 501 . nor fest the

Ventilation.- No 'pusa or proceed to sa ffording light and ir the he circumstanas a the \(t\) of the emigration ariar require; nor ers on board, rithout ha
aspate and proper ventilating apparatus, o 6 apmoved by auch emigration oflleer and titted apsatiofaction; the gansengura shall, moreover Whis the free and unimpuilel tuse of the whole B wath hatchway nitunted over tho 팀ace np mated to thelr nse, and over each mult hatehma there chall be ereeted such a bookylutch or tis ubasantial covering as shall, lin the ophinion ohes nubas emigration oflicer, alfuril the greatent wount of light an! air, and of protection from at ut ease will almit. In came of nonwh liance with any of the requirements of this whan, the uwier, clarterer, or master of the lif, of any of hem, shall for each othence be
 4 (sec. 26.)
Brguntions us to the Carrying of Bextes, - Fivery 'gengeres ship'shall carry throughout the voynge 1 pumber of boats according to the fillowing adk: rtan:-
theas for every ship of less than 200 tons; Josts for every ship of 200 and less than 400 mis
thoasts for every ship of \(\mathbf{4 0 0}\) and Iess than \(\mathbf{6 0 0}\)
Shats for every shifp of 600 and less thun 1,000 mas;
- 6batfor every ship of 1,000 and less than 1,500 wa:
ibats for every ship of 1,500 tuns and upwards: prided that no 'passeliger slip' shall be rearimed to carr" a grenter mumber of boats than re affient, in the jutigment of tho emigration owice st the port of clearance, to carry all the prenes us boarid of such sliip:
the of such boats slanll in all eases lee \(n\) long bet and one shall be a properly titted lifo bont, wints shal be earried in sucli a munner as to be, in the opiaion of the emigration officer, mont mulble for immediate service: each of such bastsall be of a suitnble size and description, whe approved by the empration officer at the por d clearance, and shanil be seaworthy, nud prpaip supplied with all reguisites, nul kept dersi dil times for immediato use at sen: there sadl likerise be on board ench ' passenger ship,' If proceling to any place to the southward of the nutur, at least 2 clironometers, and if to any fiee to the northwarl of the equator, at least 1 thrometer, and an board of all 'passenger mhips' 4 hast 3 steeniug and 1 azimuth compass, 4 spedy filted life buoys, kept ready at all times or mmediate use, and some adequate menns, to appoved by the emigration oflicer at the port derance, of making signals by night and in g\%; also a fire enginc, in proper working order, dof auch description and power and either with rithout such other apparatus for extinguishing pas sech officer may approve; and not less than borer anebors of such weight, nnd with cables ned length, size, and materinl, as in the kqueat of such emigration otficer slanll be Hcient fur the size of the ship. In case of nonaplianes with any of the reguirements of this tion, the master of the ship shall for each kexe be liable to a penalty of not more than 501 . Tless than 51. (Sec. 27.)
Regulations as to Carrying an Efficient Crew."ry 'passenger ship' shall be manned with an cient cew for her intended voyage, to the isfation of the emigration officcr from whom a rance of such ship may be domanded, and the eagth of the crew shall not be diminished, nor of the men cbanged when ones pased by a emigration officer, without bis consent in fing, or that of the shipping master of the port learance, as required by the laws then in force
regulating the whipping of seainen on bonril merchant vessels. Where the consent of the ahipping master is olotalned, it shall, within 21 hours therenter, be lotged with mueli emigration oflleer. lu due of nou-compliance with any of the requirementa of this acetlon, the master of the ships shall fur ench oflence be liable to a promity mot exceding Sot. 1 provitent, that if the emigration otheer shath consider the crew inetliclent, nul the owner or charterer of the ship shall thereupon appent in writhig to the sald emigration commisniouern, such commonioners nhall, at the expense of the
 eompetent persons to exnmine into the matter, anil the mumimous opialou of the persuns wo npjosinted, expressed under their hands, shall be conllusive on the point. (See, 2x.)

Cerfain Articles prohihited as Cargo amel hallast. - No 'pnssenger hilp' shall elenr out or proceel to sen if there whalt be on hoard as cargo, horses, enttle, gunpowder, vitriol, hucifer matches, guano, or green hides, nor if there shinll bo on board any other article or number of artleles, whether as enrgo or Lallast, whleli hy reason of the nature or qumitity or moric of ntownge thereof shall, cither simuly or collectively, be deemed liy the embigration oflicer at the port of clearanco likely to endanarer the health or lives of the passengers or the safity of the ship: bor part of the cargo, or of the passengers' luggage, of of the provisions, water, or stores, whether for the use of the passengers or of the crew, shall be carried on the upper deek, or on the 'passenger decks,' unless, in the oplnion of such emigration officer, it shall be so placed as not to impede light or ventilation, nor interfere with the comfort of the passengers; nor unless the snme be stowed and secured to the satisfaction of such enigration oflicer, nat the space occupied therely or renderel, in the opinion of such ollieer, unavalable for the accommadation of the pussengers, shall (unless occupical by passengers' luggage) be deducted in calculating the space by which, under the provisions of this Aet, the number of passengers is regulated. In case of non-compliance with any of the requirements of this section, the owner, chartercr, or master, or any of them, shall for cach offence be liable to a penalty not exceeding 3001. nor less than 51. (Scc, 29.)
13y the Act of 1863, horses and cattlo may be cnrried In 'passenger ships' under these con-ditions:-
1. The animals not to be carrical on any deck below that in whichi passengers are berthed, nor in any compartment in which jassengers are berthed, nor in nuy adjoining compartment; except in a ship built of iron, and of which the compartments are divided off ly water-tight bulkhends extending to the upper deck.
2. Ulear space on the spar or weather deek to be left at 10 superisial feet for ench adult.
3. In 'passenger ships' of less than 500 tons registercit passage, not more than two head of large cattle to bo carried, ner in larger ships more than one additional hend for each 200 tons, nor in any ship more than ten head. Large cattle to be oxen or cows, dccr, horses, and asses. Four sheep of either sex, and four female goats, to be equal to one large cattle.
4. Emigration officer to be satisfied as to housing, maintennnce, and cleanliness of animals, and stoware of fodder.
5. Not more than six dogs, and no pigs or male goats, to be carricd in any 'passenger ship.'

Penalty for violating these rules, in case of owner, chartercr, or master of ship, ōl. to 3001.

Compucation of Voyages.-For the purposes of this Act, the length of the voyage for a 'pas-

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senger ship ' proceeding from the United Kingnlom to the under-mentioned places respectively, shall be determined by the following scale; viz.(See first table, anuexed).
For the like purposes, the said emigration commissioners, actiog by anil under the anthority of one of her Majesty's prineipal secretaries of state, from time to time, by any notice in writing issued under the hands of any 2 such commissioners, and cublished in the Loondon Gazette, may nevertheless declnre what shall be deemed to be the length of the voyage from the United Kingdom to any of the before-mentioned places, or to any other port or place whatsoever, and may fix sueh different lengths of voyage as they may thilnk reasonable for such different descriptions of vessels as nforesaiui. (Sec. 30.)
Before Clearance, Provisions and Water to be surreyed.-Before any 'passenger ship' be cleared out, the emixration oflicer at the port of clearance shall survey, or enuse to be surveyed, by soule competent person, the provisions and water required by this Act to be on board for the consumption of the passengers, and shall satisfy himself that the same are of a good and wholesome
quality, and in a sweet and good condition, and are in quantities sufficient to secure throughout the voyage the issues herein prescribed: in aldi: tion to the allowance of pure water for the use of each passenger, there shall be shipped for coving purposes an additional supply of pure water, nter the rate of at least 10 gallons for every dav of the prescribed length of voyage for cery lyo stntute adults on board; and also for the ise of the crew and all other persons on board an ample supply of wholesome provisions and pure water, which shall not be inferior in quality to the supply of the same articles provided for the culsumption of the passengers : all such water, porbvisions, and stores shall be proviiled and property. stowel away in accordance with the requirement, of the 29th section of this Act, by and at the expense of the owner, clarterer, or master of the ship: and if a clearance be obtainedi for any "parasenger ship' which is not then stored with the requisite quantities ot such water, provisions, and stures as are required by this \(\Lambda\) ct, the owner, charterer, or master of such ship, or any of then, shall for each offence be liable to a penally na exceeding 300l. (Sec. 31.)
\begin{tabular}{|c|c|c|}
\hline & If the ship be propelled by atila alone, or by stram power not sufficient without the aid of mails to propel the ship afier the rate of 5 miles an hour. & If the ship be propelled euber wholly ar in aid of suis by cteam engines of not le power than sufficient, with out the aid of silis, to prowe the ship after the nue ors miles an hour. \\
\hline To North America (eacept the IV. coast thereof): & days & day \({ }^{\text {a }}\) \\
\hline For ahips clearmg out het weet Jonuary 16 and Uctober 14, both daya inclusive & 70 & (0) \\
\hline For ahips cleatiog out between Octoter 15 and January 15, both & & 10 \\
\hline To deys imclusive West lndies, and any pert of the E. cnast of Central or & 80 & 45 \\
\hline South Amprica, N, of the Equator the E. & 70 & 10 \\
\hline To any part of the E., coast of Nouth America lying leetwenn the & 86 & 50 \\
\hline To the W. coast of Africa N. of the Equator o to the Falkland & 84 & 50 \\
\hline To the codst of Africa 5 . of the Equator, or to the Falkland Inlanils, or to any part of the E. coast of South Ametica, s. of the esth deg. of S. Ist. & 10.5 & 63 \\
\hline To the Meurtiua, and to the W. coast of America, S. of the & 124 & 75 \\
\hline  & 119
120 & \% 5 \\
\hline To any other of lie Australino rolonies - - . & 140 & 95
90 \\
\hline To New Zealand end to the W. coavt of America between the & 150 & \\
\hline  & 182 & 96 \\
\hline
\end{tabular}

Power ta Emigratian Officer to reject and mark charterer, or master of such ship, or any of the Bad Provisions \&c.-If such emigration offiter shall consider that any of the provisions or stores or water are not of a good and wholesome quality, or are not in a sweet and good condition, it shall be lawful for him to reject and mark the same, or the packages or vessels in which they are contained, and to direct the same to be lanted or emptiet; and if such rejected provisions or stores or water be not thereupon forthwith landed or emptied, or if, after being landed, the snine or any part thereof shall be reshipped in such ship, the owner, eharterer, or master thereof, or any of them, or if reshipped into any other 'passenger ship, the person causing the same to be reshipped, slinll for each offence be liable to a penalty not exceeding 1001. (Sec. 32.)

Water Tanks or Casks to be approved by Emioratian Officer.-In every 'passenger ship' the water to be laden on board, as herein required, shall be carried in tanks or in casks, to be approved by the emigration officer at the port of clearance. When easks are used, they shall ho sweet and tight, of sulficient strength, and if of wood properly charred inside, and shall not be capnble severally of containing more than 300 gallons cach: the staves of the water casks shall not be made of fir, pine, or soft wood. In case of non-complimee with any of shall for each offence be liable to a penalty of a more than 50l. (Sce. 33.)

By orders in council of May 5, 1850, December \(\overline{0}, 1865\), steamers and sailigg rese which earry an approved apparatus for distilili fresh from salt water of not less than one gall) per diem for each person on board, need on carry in tanks or casks one-half the water m scribed by the Act.

Pravision for touching at intermediate Port fill up Water.-If any ' passenger ship'be intent to call at any intermediate port or place duth the yoyage, for the purpose of taking in wred and if an engagement to that effect be inserted the bond mentioned in the G3ril section of \({ }^{4}\) Act, then it shall be sufficient to place on bit at the port of clearance such supply of meter may be requisite, according to the rate bere after meationed, for the voyage of the sad ad to such intermediate port or place, sulject to fo following conditions; viz.:-
1. That the emigration officer siguify approval in writing of the arrangement, to corried amongst the papers of the ship, exlitibited to the chief officer of custens, or her Majesty's consular officer, as the case mas the requirements of this section, the owier, delivered to the chief officer of customs, or to he
l grood condition, and to secure throughout n prescribed: in sulie water for the use of be shipped for cooking ly of pure water, atter llons for every day of voyuge for every 109 nd also for the use of sons on board an ample isions and pure water, fior in quality to the s provided for the conrs: all such water, proprovided and property e with the requarement his Act, by and at the irterer, or master of the e obtained for any pas it then stored with the ch water, provisions, and his Act, the owner, char ship, or any of them liable to a peaaly not 1.)

If the ship be propelied eliber
 steam engines of not vest
power than sufficien, without the aid nf sails, to powet
the shup atter the ruce of
miles an thour.
\(g\) at intermediate Port yassenger ship' be iatende diate port or place duni rpose of taking in wite o that effect be inserted 1 the 63rd section of th ufficient to phace on buar e such supply of water brding to the rate bere e voyage of the said sh ort or place, subject to th riz.:ation officer siguif o the arrangement, to papere of the sbip, on officer of customs, or officer, as the case mas e port or place, and to icer of customs, or to he

Jijety's consular officer, as the case may be the arrival of the said ship at the final port. op phace of discharge:
2. That if the length of either portion of the royge, whether to such intermediato port or royse from such intermediato port or place, plac, tinal port or place of discharge, be not w ribed in or under the provisions of this Act pescribed in or ollicer at the port of clearance slanll in erery such case declare the same in writing, to inearied amongst the papers of the ship:
3. That the ship shall have on board at the ine s clearsace is temanded, tanks or water ane a of the description hereinbefore mentioned, sficeat for stowing the quantity of water reaind for the longest of such portions of the warare as sforcsaid. (Sec. 34.)
Dhitary Scules of Prorisions.-The master of
every 'passenger ship' shall, during the voyage, including the time of detention at any place before the termination thereof, issue to each passenger, or where the passengers are divited into messes, to the head man for the time being of each mess, on behalf and for the use of all the members thereof, an allowance of pure water and sweet and wholesome provisions, of good quality, necording to the following dictary scale; viz. if the length of the voyage, computed as before mentionel, shall not exceed 84 days for ships propelled by sails only, or 50 days for slips propelled by steam, or steam in aid of sails, then accorting to the dietary sealo marked 'A.;' but if the length of the voyage, computed as aforesaid, shall exceed 84 days for ships propelled by sails only, or 50 days for ships propelted by steam, or steam in aid of sails, then according to the dietary scale marked ' 13 .'

Watan.
Threforts of Water daily to each Statule Adutt, eaclualve nf the quantity before specified as necessary for cooking the artictes herein required to be istued in a cooked state.

Provisions.
Weekly per statute Adult:
\begin{tabular}{|c|c|c|c|c|c|}
\hline & Scalin A. For Poyagen not exceeding 84 dayn for Sualling Veswels, or 30 tiays for Steamers & Scalin \(D\). For Yoyakes exceeding \(8 \cdot 1\) days for salling -V essela, or 50 days for Steamers & & \begin{tabular}{l}
Scalind. \\
For Voyage notescreting 84 daya lor Salling Yessela, oz 30 daya for Stzamers
\end{tabular} & \begin{tabular}{l}
Ncalim 11. \\
For Yoyaget exrerding xs tlays ior trailing Vesselá, or 50 days for Steamers
\end{tabular} \\
\hline & tb. 02. & lb. oa. & & lb. oz. & lb. or. \\
\hline Bred a bisulit, not inferior in cintito mary bisclit & 38 & 38 & Sall - & \(0{ }^{2}\) & 02 \\
\hline Hemeatour : & 10 & 20
10
10 & Mustard
illock or white pepper, ground & 11 & 01 \\
\hline (1) & 18 & \({ }_{6} 8\) & Vinekar whe pepper, ground & One GIII & One Gial \\
\hline Pes. & 18 & \({ }_{4}^{1} 8\) & bime juice \({ }^{\text {a }}\) & - & 06 \\
\hline Paute & \(y 0\) & \(y^{2} 0\) & Preserved meat & - & 10 \\
\hline beis. & 10 & 10 & Suets: & - & \({ }_{11}^{11} 8\) \\
\hline Ta. & \(\begin{array}{ll}0 & 2 \\ 1 & 0\end{array}\) & \begin{tabular}{ll}
0 \\
1 & 2 \\
\\
\hline
\end{tabular} & Hutter & - & 04 \\
\hline 4pr & 10 & & & & \\
\hline
\end{tabular}
- By the Act of 185.3, the issue of lime juice is confined to the periot during which the ship is in the Tropicu; during ofther portlons of the iophe, the issue shall be at the discretion of the medical otficer, or in case nu nuch person be on board, at that of the master.

Swutitutions.-Substitutions at the following be mate before 2 o'elock in the afternoon of the rates may, at the option of the master of any 'Fasenger ship,' be made in the above dietary sales that is to say :-
1 ib of preserved meat, for 1 lb . of salt pork or beff
1/b. of flour or of bread or biscuit, or \(\frac{1}{2} \mathrm{lb}\). of bef or of pork, for \(\$ \mathrm{lb}\). of oatmeal, or 1 db . of nu, or 1 th. of peas.
ilb, of rice, for \(1 \frac{1}{4} \mathrm{lb}\). of oatmeal, or vice versâ. \(\ddagger\) the of preserved potatocs, for \(1 \mathbf{1 b}\). of potatocs. 1 i oz, of currnats, for 8 oz . of raisins.
\(3{ }^{3} \mathrm{oz}\) of cocoa, or of coffice, roasted and ground, fuy 0 oz of tea.
3 bb of treacle, for \(\frac{1}{2} \mathrm{lb}\). of sugar.
1 glll of mixed piekles, for 1 gill of vinegar.
It th. of soft bread (Act of 1863) may be issned inted of 1 ll . of flour, biscuit, rice, and peas, or of 14 lb. of ostmeal.
Provited, that the substituted articles be set Whh ia the coatract tickets of the passengers. In cas of toin-compliance with any of the requiremeats of this section, the master of the ship shall beliable for ench offence to a penalty not exceeding 501 (Sec. 35.)
Size of Messes.-The messes into which the pasengers in any 'passenger ship' may be daided sthall not consist of more 1 ! mn 10 statute adaks in esch mess, and members f the same bacily, whereof 1 at least is a male udult, shall be allowed to form a separate mess. The provisions oecording to the sbove scale shall be issued, such of them ss require to be cooked, in a properly coobed state, daily before 2 o'clock in the alternoon, to the head person for the time being of each mess, on behalf fird for the use of the members thereof. The first of such issues shall
day day of embarkation to or for such passengers as shall be then on board. In case of non-compliance with any of the requirements of this section, the master of the ship shall for each offence be liable to a penalty not exceeding \(50 l\). (Sec. 36.)

Pouter to Emigration Commissioners to authorise an alternative Dietary Scale.-The emigration commissioners for the time being, acting under the authority of 1 of the principal secretaries of state, may from time to time, by any notice for that purpose, issued under the hands of auy 2 of such commissioners, and published in the London Gazette, authorise the issuc of provisions in any 'passenger ship' according to such other dietary seale (besides that before preseribed) as shall in their opinion contain in the whole an equivalent amount of wholesome nutriment; and after the publication of such notice it shall be lawful for the master of any 'passenger ship' to issue provisions to his passengers cither according to tho scale by this Act preseribed, or according to the scale anthorised by the said commissioners, whichever may have been set forth in the contract tickets of the passengers: provided always, that the said commissioners, acting under such authority and by such notice as aforesaid. may revoke or alter any such dietary scale authorised by them, as oecasion may require. (Sce. 37.)
As to Passengers' Stewards.-Every 'passenger ship' carrying as many as 100 passengers shall bave on board a seafaring person, who shall be rated in the ship's articles as passengers' steward. and who shall be approved by the emigration ofticer at the port of elearazce, and who shall be employed in messing and serving ont the pro-
visions to the passengers，and in assisting to maintain eleanliness，order，and good discipline among the passengers，and who shall not assist in any way in anvigating or working tho ship．In case of non－complinnce with any of the require－ ments of this section，the master of the ship shall for each offence be linble to a penalty not exceed－ ing \(50 l\) ．nor less than \(5 l\) ．（Sec． 38 ．）

As to P＇assenger Cooks and Coohing Apparatus． －Every＇passeuger nhip＇carrying ns many as 100 passengers，shatl also have on board a sea－ faring man，or if carrying more than 300 ＇statute adults，＇ 2 seafaring men，to be rated and approved as in the case of passengers＇stewards，who shall be employed in cooking the food of the pas－ sengers：a convenient place for cooking shall also be set apart on deck；and a sullicient cooking apparatus，properly covered in and arranged， slall be provited，to the satistaction of the said emigraion officer，together with a proper supply of fuel ndequate，in his opinion，for the intended vorage．In ease of non－conplianec with nny of the reguirements of this section，the master of the ship shall for each offence be linble to a penalty not exceeding 50l．nor less than 51．（Sec．39．）

In uhat Cases Interpreters to be carricd．－In every foreign＇passenger ship＇in which as many as half the passengers are British subjects，unless the master and officers，or not less that 3 of them， shall understand and speak intelligibly the Euglish langunge，there shall be carried，where the number of passengers does not exceed 250， 1 person，and where it exceeds 250,2 persons， who understapd and speak intelligibly the language spoken by the master and erew and also the English language，and such persons shanll aet as interpreters，and be employed exelusively in attendance on the passengers，and not in the working of the ship；and no sueh ship shall clear ont or proceed to sea withont having such interpreter or interpreters on board；and the master of any such foreign ship clearing out or proceeling to sea without having such interpreter or interpreters on board as aforesaid，shall for each offence be liable to a penalty not execeding 501. nor less than \(5 l\) ．（Sec．40．）

In what Cases a Medical Man mast be carried． －Every＇pnssenger ship＇shall in the following cases carry a duly qualitied medical practitioner， who shall be rated on the ship＇s articles：－

1．When the duration of the intended voyage，as before computed，exceeds 80 drys in the case of ships propelled by sails， and 45 days in the case of ships propelled by steam，and the number of passengers on board exceeds 50 ：
2．Whenever the number of persons on board（including enbin passengers，officers， and crew）exceeds 300：
By order of council of August 9，1866，issuel under sec． 69 of the Aet，every＇passenger shipl＇ carrying more than 50 passengers on any voyage to which the Act extends，whatever be the duration of the voyage，must carry a duly qualitied medical man．
In case of non－compliance with any of the requirements of this section，the master shall for each offence be liable to a penalty not exceeding 1001．nor less than 20l．（Sicc．41．）

Qualification of Medical Man．－No medical practitioner shall be consilered to be duly qualified for the purposes of this Aet unless authorised by law to practive in some part of her Majesty＇s dominions，or，in the case of a foreign ship，in the country to which such ship may belong，as a physician，surgeon，or apothecary，nor unless his name shall have been notitied to the emigration
officer at the port of clearance，and shall aot be objected to by him，nor unless he shall be provided with proper surgical instruments to the sati faction of such officer：provided neverthele that whero the majority of the passengers any＇passenger ship，＇or as many as 300 ，ar toreigners，nuy medical practitioner who may approved by sueh emigration offieer may carried therein．In case any person shall pro－ ceed or nttempt to proceed as medical practitione in any＇passenger ship＇without being duly gual ied as atoresaid，or contrary to any of the refuin meres of this section，sueh person，and all perion aiding or abetting therein，shall for cach offer be liable to a penalty not exceeding 1000 l an less than \(10 l\). （Sec．42．）
Medicines and Medical Comforts，－The own or charterer of every＇passenger slip＇shall provide for the use of the passencers a supply medicines，medical comforts，instruments， other things proper and necessary for diseases an aceidents incident to sen royages，and for the medical treatment of the passengers durias th voyage，including an adequate supply of disit fecting fluid or agent，together with printed written directions for the use of the same spectively；and such medicines，medical comfort instruments，and other things shall，in the jud ment of the emigration otficer at the port clearanee，be good in quality，aad sufficieut quantity，for the probable exigeacica of intendel voyage，and shall be properly pacer and placed inuler the charge of the medis practitioner，when there is one on board，to b used at his diseretion．In case of nun－complian with any of the requirements of this section，th master of the ship shall for each offence be liah to a penalty not exceeding 50 ，aor less than （Scc．43．）

Medical Inspertion of Passengers and Medicine §c．－- No＇pnssenyer ship，except as after providd
shall clear out or proced to sea untilsome shall clear out or proceed to sea until some medice practitioner，to be appointed by the emigraiz oflicer at the port of clearance，shall have spected such medicines，medical comforts，a other articles as are required to be supplied b the last section，and also all the passengers in crew about to proceed in the ship，and shall has certified to the said emigration officer that ti said ship contains a sufficient supply of mediciar medical comforts，disinfecting fluid or agent，io struments，and other things requisite for \(t\) meaical treatment of the passengers during th intended voynge，nor until such medical prat tioner shall have certified，and the said emigratio oflicer shall be satistied，that none of the passene or crew appear，by reason of any bodily or metite discase，unfit to proceed，or likely to endange the health or safety of the other persons abonit proceed in such vessel．Such medical inspectit of the passengers shall take place either on bole the vessel，or，at the discretion of the saidenign tion officer，at such convenient place on sha betore embarkation as he may appoiat；and io master，owner，or charterer of the ship shay fof to such emigration officer a sum at the rate of for every 100 persons so examined：pority also，that in case the emigration oflicer to a particular occasion shall be uaable to obtrain 1 attendance of a medical practitioner，it sball lnwful for the master of any such ship to der out and proceed to sea，on reeciving fon th said emigration onfecr written permission forth purpose．In case any＇passenger ship＇shail dex out or proceed to sea without having capplic with all the requirements of this section，\(t\) master of such ship shall for eall offeree
tuce, and shal! not le sa he shall be provided uments to the satis provided nevertheless, of the passeagens in as many as 300 , are actitioner who may le :ation otlicer may be
any person shull proas medical practitivner ithout being daly qualiry to any of the requiteperson, and all persons , shall for each offence ot exceediug loul, an

Comforts.-The ownet 'passeuger slip' shall : passengers a supply of forts, instrunents, and cecessary for diseases and a soyages, and for the e passengers duria; the tequate supply of disinogether with printed of he use of the same te dicines, medical comfors hings shall, in the juds 11 otticer at the port quality, and sufficient it mable cxigencies of the ball be properly packed charge of the medica e is one on board, to \(b\) In case of nou-compliano ements of this sectiva. the I for each offenee be liatl ding 50l, nor less than it
i Pussengers and Medicine p,' except as sfter provided d' to sea until some melica pointed by the emigratio clearance, shall have in es, medical comforts, sa required to be supplied b uso all the passengers ani In the ship, and slall har migration officer that 1 ficient supply of melicicat fecting tluid or ayent, things requisite for the passengers daring th antil such medical prati ed, and the said emigatio that none of the pasivenger on of any bodily or meate cd, or likely to cadang the other persons almo Such medical inspeca take place cither oa bour crection of the saide enight onvenient place oa shay he may appoiat; and ib crer of the ship shal cer a sum at the rated h so examined: poniay emigration ofticer (a) ay II be unable to ittain 4 1 practitiones, it shall of any such stip to dea a, on recciving fom the written permisisin for th passenger ship' 'sall cleas without having cmplie ents of this setive, shall for each offence
bible to a penalty not exceeding 100l, nor less than \(3 \%\) (Sec. 4.)
Relaading of Passengers on account of Sichness or Relaading Ships,-lf the emigration oflicer at forpurigy shall be satistied that any person on wy poar soout to proceed in any ' passenger ship' hast reason of sickness unfit to proceed, or is for ishe rear fory other reason likely to endanger the halith or safety of the other persons on board, the wademigration officer shall prohilit the embarktin of such person, or if' embarked shall require hin to be relanded; and if such emigration otticer boll be satistied that it is necessary, for the puriation of the ship or otherwise, that all or any dhe passengers or persons on board should be Thded the said emigration officer may require remen, ter of the ship to reland all suel pasungus of persens, and the master shall thereupon a pouch passeugers or persons, with so much Wit effects and with such memisers of their - iliesar canaot, in the judirment of suchemigrativaltice, be properly separated from thein; and inate of non-compliance with any of the requiremeta of this section, the master, owner, or charame the ship shall for each oflence be liable to wnaity ant exceeding 200l, nor less than 101 . adenaty passenger or person cmbarking after such pubitition, or refusing or neglecting to lenve the dai when so directed to be relanded, shall be bish to be sammarily renoved, and to a pennity atesereding \(\%\), for each day which he shath reminn on yourd after the giving of such prohibition adinetion. (Sec, 45.)
Ratan Passage Money to Passengers relunded on acovatef Sickness \&c.-Any passenger so relanide a account of the sickiness of bimself or of an wember of his family, who may not be reentshed and finally sail in such ship, or any emintioa officer on his behalf, shall be entitled whoret, by sammary procers, the whole of the moresthich may have been paid by or on account dath pasenger for his passage, and that of the reabets of bis family so relanded, from the party whom the same may bave been paid, or from the omer, charterer, or master of such ship, or urof them, at the option of such passencrer or tuigation officer. (Sec. 46.) 'lhe same regulatindow applies to eabin passengers. But they an feotes only half of their passage money.
Sbsistence Money to be paid to Pussengers re-laded.-The master of any 'passenger ship,' foum which the whole or any part of the passengers ballive reladed on account of any of the reasons mutioned in sec. 45 , shall pay to each passenger sondaded (or if he shall be lodged and mainbined in aay hulk or establishment under the soperinteadence of the said emipration commisfiners, then to the emigration ollicer at the port) mbistence money at the rate of \(1 \mathrm{~s}, 6 \mathrm{~d}\). a dav for perh statute adalt until he shall be re-emb ed ordedine or neglect to proceed, or until his aswe mosey, if recoverable under sec. 45 of th is hit, be returned to him. (Sec. 47.)
R-lurn of Passage Money \&c.-If any person by thom or on whose behalf any contract shall have tren made for a passage in any ship procceding ma ay yorage to which this Act extends, shall be the place of embarkation before 6 o'cluek in de atemoon of the day of embarkation appointed s such eontract, and shall, if required, pay the bipulated passage money, or the unpaid balance bereff, and if from any eause whatever, other and his own refusal, neglect. or detault, or the robihition of aa emigration offiecr, as before menbetd or the requirements of muy order in panci, such passenger shall not be received on ard before that hour, or if from any such causo
ns aforesaid any passenger who shall have been received on board shall not either obtain a passage in such ship to the port at which he may have contracted to land, or, together with all the immedinte members of his fumily who may be included in such contract, obtain a passage to the same pert in some other equally eligible ship, to sail within 10 days from the expiration of the said day ot embarkation, and in the meantime be pald subsistence money from the time and at the rate after mentioned, such passenger, or any emigration officer on his behalf, shall be entitled to recover either from the party to whom or on whose aecount the same may have been paid, or (in case such contract shall have been made with the owner, charterer, or master of such ship or with any person acting on behalf or by the nuthority of any of them respectively) from such owner, charterer, or master of such ship, or any of them. at the option of such passenuer or emigration oflicer, all moneys which shall have been paid by or on account of such passengers for such passage, and also sucli further sum, not exceeding 10l., in respect of each such passarge, as shall, in the opinion of the justices of the peace who shall andjudieate on the complaint, be a reasonable compensation for the loss or inconvenience occasioned to such passenger by the loss of such passage. (Sec. 18.)
Subsistence in case of Detention,-If any ship, whether a 'passenger ship' or otherwise, shall not actually put to sea, and proced on her intended voyage before 3 o'clock in the afternoon of the day next after the said day of embarkation, the owner, charterer, or master of such ship, or his or their ngent, or any of them, at the option of such passenger or emigration oflicer, shall pay to every passen'rer cutitled to a passage (or if such passenger shall be lodged and maintained in any establishment under the superintendence of the said emigration commissioners, then to the emigration otlicer at the port of embarkation), subsistence money after the rate of 1 s . \(6 d\). for cach statute adult in respect of each day of delay for the tirst 10 days, nnd afterwards 3 s. a day for each statute adult, until the tinal departure of such ship on such voyage, and the same may be recovered in manner after mentioned: provided that, if the passengers be maintained on board in the same manner as if the voyage had commenced, no such subsistence money shall be payable for the first? days next after the said day of embarkation, nor if they shall be maintained shall such subsistence money be payable if the ship be mavoidably detained by wind or weather, or by any cause not attributable, in the opinion of the emigration oflicer, to the act or default of the owner, charterer, or master. (Scc. 49.)

Ships putting back to replenish Provisions \&c.If any 'passenger ship' shall, after clearance, be detained in port for more than 7 days, or shall put into or tonch at any port or place in the United Kingdom, she shall not put to sea again until there shall have been laden on board, at the expense of the owner, charterer, or master of such ship, such further supply of pure water, wholesome provisions of the requisite kinds and qualities, and melical comforts anil stores, as may be necessary to make up the full quantities of those articles before required to be laden on board for the intended voyage. nor until any danage she may have sustained shall have been effectunlly repaired, nor until the master of the said ship shall have obtained from the emigration officer or his assistant, or, where there is no such officer, or in his absence, from the officer of customs at such port or place, a certificate to the same effect as the certificate
before required to enable the shlp to be cleared ont ; and in case of nay default lierein, the said master shall be liable, on conviction, as hercinafter mentioned, to a penalty not exceeding 100 l . nor less than 501 . And if the master of any 'passenger ship' so putting into or tonching nt any port or place as aforesaid, shall not within 12 hours therenfter report, in writing, his arrival, and the cause of his putting back, and the condition of his ship, and of her stores and provisions, to the emigration officer, or, as the case may lie, to the ollicer of customs at the port, and shall not produce to sueh officer tho offieinl or 'master's list' of passengers, such master shall for each offence bo liable to a penalty not exceeding 20 . nor less than 2l. (See. jo.)

Secretary of State \&f. may pay Expenses of taking off Passengers at Sea.-If the passengers or cabin passengers of noy 'passeager ship' shall be taken off from any such 'passenger ship,' or shall be pieked up at sea from any bont, raft, or otherwise, it shall be lawful, if the port or place to which they shall be conveyed shall be in the United Kingdom, for one of the principal secretaries of state, or if in any colonial possession, for the governor of such colony, or for any person nuthorised by him for the purpose, or if in my foreign country, for her Majesty's cousular ofticer, at such port or place therein, to defray all or any part of the expenses thereby incurred. (Sec. \(\mathbf{5} 2\). )

In place of the \(12 \mathrm{th}, 51 \mathrm{st}, 53 \mathrm{rd}\), \& 5 fth clanses of the Act of 1855 , the following are substituted in the Act of 1863 (26 \& 27 Vict. e. 51 ) :-

If any 'passenger sbip' shall clear out or proceed to sea, without the master having first obtained a certiticate of clearance, or without his having joined in executing such bond to the Crown as by the said Passengers Act of 1855 are required, or if such ship, after having put to sea, shall put into any place or port ot the United Kingdom in a damaged state, or shall leave, or attempt to leave, such port or place with passengers on board, without the master having first obtained such certiticate of clearance as is required by sec. 58 of the said Passengers Act of 1855 , suich ship shall be forfeited to the use of her Majesty, and may be seized by any officer of customs, if found within 2 years from the commission of the offence in any port or place of her Majesty's dominions, and such ship shall therenpon be dealt with in the same manner as if she had been seized as forfeited for an offence, incurring forfeiture under any of the laws relating to the customs. \(\quad(26 \& 2 \%\) Viet. c. 51 s. 13.)
If any 'passenger ship' be wrecked, or otherwise rendered unfit to proceed on her intended voyage, while in any port of the United Kingdom or after the commeveement of the voyage, and if any of the passengers be brought back to the United Kingdom, or it any passeager ship shall put into any port or place in the United Kingdom in \(v\) damaged state, the master, charterer, or owner shall, within 48 hous, give the nearest emigration officer, or, in the absence of such officer, the clief officer of customs, a written undertaking to the effect: 1. Transfer of passengers, if necessary, to some other ship, to sail within 6 weeks for the port or place for which their passages had been taken. 2. Maintenance or payment at the rate of \(1 \mathrm{~s}, \mathrm{Gtl}\). a day to each statute adult. If these conlitions nre not complied with, passengers may recover passage money by summary process. Passengers may be removed from damaged ships, if emigration officer requires, under a penalty of 40s. or imprisonment for 1 calendar month if any passenger refuse to leave. (Sec. 14.)

Governors or consuls may forward passengers,
eft without fanlt of their own, unless masker of ship gives, within 48 hours of passengers' arrival a written undertaking to forward the passengers within 6 weeks. (Sce. 15.)
Expenses under this and preeeding section and those of sec. \(\mathbf{j}^{2}\) of the I'Rssengers Act to be debt to the Crown. llut passengers forward by the governor or consul aue not entitlet to the return of passage money. Not more than twice il total amount of passage money to be recoveral agrainst thę elarterer, master \&c. (Sec. 16.)
In all partieulars the Act of 1863 and the sengers Aet of 1855 shall be construed togeth ns one Act. (Sce. 18.)
Insurance of Passage Money unt to be mid account of the uature of the Risk.-No noliey assurance etfected in respect of any passages, of any passage or compensation moneys, bry person by this Act made liable, in the evers aforesaid, to provide such passages or to par sio moneys, or in respect of any other isk under iu Act, slall be deened to be invalid by reasea the nature of the risk or interest sough to covered by such policy of assurance. (is to Vict. c. 119 s .55. )
Penalty on wronafully landing Passengers, any passenger in may ship, whether a 'passeng ship' or otherwise, shall be landed at any port place other thrin the port or place at which le ma have contracted to land, unless with his previ consent, or unkess such landing shall be rende necessary by perils of the sea, or other unavol nble accident, the master shall for each offence liable to a penalty not exceeding 502 nor less 101. ('Sec. 56.)

Passengers to be maintained for 48 Houra Arrival.-Every passenger in n' 'passenger s shanll be entitled, for at least 48 hours nerta his arrival at the end of his voyage, to sleep in ship, and to be provided for and maintained board thereof, in the came manner na during voyage, unless within that period the ship of quit snch port or place in the further prosede of her voyage. In case of non-complinnce vy any of the requirements of this section, themu shall for each offence be liable to a penaly exceeding 5l. (Sec. 57.)

Passcngers' Right of Action preserved.- iod hercin contained shall take away or abridge right of action which may accruc to anypaien in any slip, or to any other person, in respat the breach or nom-performance of any cout made or entered into between or on behalf of such passenger or other person, and the mas: charterer, or owner of any such ship, or tis their agent, or any passage broker. (Sec jos.

Her Majesty may, by Orders in Curncil, pro Rules for'Purposes herein deseribed,-It shal lawlin for he: Mnjesty, by any order in ou to preseribe such rules and regulations as to Majesty may seem fit, for the following pur
「iz.:-
1. For preserving order, promoting health securing cleanliness and ventilation on land 'passenger ships' proceeding from the " Kinglom to any port or place in her Map possessions albroad.
2. For permitting the use on boand of ' Fs / ger ships' of an apparatus for distiling and for defining in such case the quantited wnter to be carried in tanks or casks futite sengers.
3. For prohibiting emigration from and \(\mathrm{p}_{\mathrm{P}}\) ports at any time when choleraic of ara equty disease may be generally prevalent in the ta Kingdom or any part thereof, or fur reducing number of passengers allowed to be cartit
ir own, unless master rs of passeng(rs' arrival, forwird the passengers

1 preceding section and nssengers Act to be it passengers forwarled I are not entitlel to the Not more than twice the money to be recoverable ster de. (Sec. 16.) tet of 1863 and the Pas I be construed together

Moncy unt to be wnid on the lisk.-No poliey spect of any passape, , ensntion moners, by an ide linble, in the erent h passages or to pay sud : any other uisk under hiil 0 be invalid by reasun or interest sought to of assurance. (18
by landing Passengers.hip, whether a 'jasseng ll be landed at any pand oft or place at which liema d, unless with his previon a landing shall be render the sca, or other unarai ter shall for each offercel exceeding 50l. nor less th
intained for 48 Hourl of enger in a 'passenger shi at least 48 hours next af of his voyage, to gleep ind ided for and maintained same nauner as during n that period the stip \& ce in the further prosentid case of non-complinnce . its of this section, themas be liable to a penaltr 57.) f Action preserved.- Xoth 1 tako awny or ahridge may nectue to any paieny y other jersen, in rephe? erformance of nuy corly between or on behalfors ther person, and the nas of any such ship. of tis assage bruker. (Sec. 议) assage brok in Cuuncil,prosn crein described,- lt shay ty, by any order io es nuid regulations as to \(t\), for the following pury
orler, promoting heallit, and ventilation on wren. roceeding from the ta, tor place in her ysion
the use on board of \({ }^{\prime} p\) s paratus for distiling: uch ense the quantity in tanks or casks for the
, emigration from nur pou hen choletaic of ans ep rully prevaleutia the \(t\) thereof, or for selucirg rs allowed to be carm
'pasenger ships' gencrally; or from any cuar forts under tequing duly qualifled medienl practithen to be carried in 'passenger ships' in cases bere they would not be recpuired to be carried modet the provisions of this Act.
wy uuch order in council may from time to time milie manner be altered, amented, and revoked, accasinn may require. Any copy of sueh order aocaneil contained in the London Gazette, or anoring to be printed by the Queen's printer anl throughout her Majesty's dominions be mexred in all legal proceedings as good and smident evidence of the making and contents of ary such order in council. (Sec. 59.)
isyeon or Muster to exact Obedience to Rules ad Riequations.-In every such 'passenger Blip de medieal practitioner on board, aided by the nuser thereff, or, in the absence of sueh medical paxizioner, the master of such ship, is hereby mavered to exact obedience to all rules and muidions which may be preseribed by any such adriacouncil to be observed on board 'passenger dip' as aforesaid; and any person on board who thall reqlect or refuse to obsey any such rule or mudtion, or who shall obstruct the medical patitiver or master of such ship in the casetion of any duty imposed upon him by any mad nule or regulation, or who shall offend grim any of the provisions of this Aet, or who fill be quilty of riotous or insubordinate conthect shll be liable for each offence to a penalty pot esceding \(2 l\), and in addition thereto, to be ponined is the common gaol for any period not exoeding 1 month, at the diseretion of the ostixa rhe shall adjudieate on the complaint. (3x.6.).
Enigntion Commissioners to prepare an Altrut of Act and Orders in Council.-The said engration commissioners shall from time to time mane sich abstracts as they may think proper therbole or any part of this Act, and of any chatere in council as aforesaid; and four copies melh istracts, together with a copy of this at, thlll on demand, be supplied by the prineiIofinerof customs at the port of clearance to - mster of every \({ }^{2}\) passeager ship' proceeding so the Crited Kingdom to any port or plnee in Whisty's possessions abrond; and such masthell, on request made to him, produce a copy this Act to any passenger on board, fur his naul, add, further, shall post, previous to the thatation of the passengers; and shall keep tadsolong as any passenger shall be entitled radin in the ship, in at least two conspicuous ke betwena the decks on which passengers fbecaried, eopics of such abstrncts: and such ster sblll be liable to a penalty not exceediag fonery day during any part of which by his adefault such abstrncts shall fail to be so add and any person displacing or defacing abstracts so posted shall be liable to a Aly not excceding 2l. (Sec. 61.)
ale of Spirits prohibited on board ' Passenger M-If in any 'passenger ship' any person 11 during the royage, directly or indirectly; or casse to be sold any spirits or strong ers to say passenger, he shall be liable for bich offence to a penalty not excecding \(20 l\). hess than 5l. (Sec. 62.)
ond to be given by Masters of British and ying 'Paunenger Ships.'-Before any 'passenger shall clear out or proceed to sea, the master, wer with the owaer or charterer of the ship, the event of the absence of such owner or cere, orif the master be the owner or charterer, ther good and sufficient person, to be np-
proved by the chief officer of customs at the port of clearance, shall enter into a joint and several bond, in the sum of 2,0001 ., to her Majesty, her heirs and successors, according to the form containell in schedule annexed to the Aet. Such bund shall not be liable to stamp duty, and shall be executed in duplieate. (Sec. ©3.) By the Act of 1863 (see. 17), the amount of the bond is raised to 5,000 .
Clause 64 enacta that a countcrpart of the bond referred to shall be eertifled, and sent to the colony to which the ship is bound, and be received in evidence without proof of execntion.
In the Absence of Agreement to the contrary, the Owner to be responsible in respect of Default.In the absence of any agreement to the contrary, the owner shall be the party ultimately responsible, as between himself and the other persons hereby made liable in respect of any default in complying with the requirements of this Act; and if any such last-mentioned person shall pay any moneys hereby made payable to or on behalf of any such passengers as aforesaid, the person so paying the same shall be entitled, in tho abseace of any such agreement as aforesaid, to sue for and recover from the owner the amount so paid, together with costs of snit. (Sec. 65.)

No Person to act as a Passage Broker without a License.-No person whatever shall directly or indirectly act as a passage broker in respect of passages from the United Kingdom to any place out of Earope, and not being within the Mediterranean Sea, or shall sell or let, or agree to sell or let, or be in anywise concerned in the sale or letting of passages in any ship, whether a 'pnssenger ship' or otherwise, proceeding from the United Kingdom to any such place as aforesaid, unless such person, with 2 good and sufficient sureties to be approved by the emigration officer at the port nearest to the place of business of such person, shall have previously entered into a joint and several bond, in the sum of 1,000l., to her Majesty, her heirs and successors, which bond shall be renewed on each occasion of obtnining such license as after mentioned, and shall be in duplicate, without stamps, and one part thereof shall be deposited at the office in London of the said emigration commissioners, and the other part thercof with the emigration officer at the port nearest to the place of business of such person; nor unless such person shall have obtained a license, as after mentioned, to let or sell passages, nor unless such license shall then be in foree; and if any person shall offend in any particular against this ennetment, every person so offending shall for each offence be liable to a penalty not exceeding \(50 l\). nor less than 20l., to be sued for and recovered as after mentioned: provided that such bond shall not be required of any person who shall be one of the sworn brokers of the city of London: provided also, that there shall be excepted from the operation of this section the said emigration commissioners, and any persons contracting with them, or aeting under their authority, and also nny person acting as the agent of any passage broker in pursusnce of an appointment signed by such passage broker, and countersigned by such emigration officer as aforcsaid: provided further, that the acts and defaults of any person aeting under the authority or as agent of any passage broker shall, for the purposes of this Aet, be deemed to be also the nets and defaults of such passage broker: provided also that nothing before contained shall be held or construed to prevent the said emigration officer from aecepting the bond of a guarantee socicty, such bond and sueh gunrantee
seciety as shall have been approved by the commissioners of her Majesty's treasury, in lieu of the bond of 2 good and sufficient securitics as aforesaid. (Sec. 66.)

Clause 67 directs how passage brokers are to obtain licenses.

Clnuse 68 limits the duration of the then existing licenses.
Clause 69 enacts that passage brokers sliall employ no agents except those expressly appr inted by them.

Penalty on Pcrsons framalulently inducing others to enyage Passages.-If any person shall by fulse represcntation as to the size of a ship, or otherwise, or by nny false pretence or frnud whatsoever, induce nny person to engrge a passage in any ship, the person so offending shall for ench offence be liable to a penalty not excceding 201. nor less than \(5 l\). (Scc. 70.)

Contract Tickets for Cabin and other Passengers. -Every person whatever, except the said emigration commissioners and persons acting for them and under their direct authority, who shall reecive money from any person for or in respect of a passage in any ship, or of \(n\) cabin passage in any 'passenger ship' procceding from the United Kingdom to any place out of Europe, and not being within the Mediterrancan Sea, shall give to the person paying such money a contrast ticket, signed by the owner, charterer, or master of the ship or 'passenger ship' (as the case may be) in which the passage is to be provided, or by some person in their or his name, and on their or his behalf: such contract ticket shall be made out in plain nud legible characters on a printed form, which in the case of cabin passengers shall be according to the form contained in schedule amnexed to the Act, and in the case of all other pnssengers in the form contained in schedule \(L\). hercto annexed, or according to such other form us in either case may from time to time be prescribed by the said emigration commissioners in any notice issued under thei: hands, or the hands of any two of them, and published in the London Gazette :- and any directions contained on the face of such form of contract ticket shall be obeyed in the same manner as is herein set forth. In case of non-compliance with any of the requirements of this section, or of any of the directions on such form of contract ticket not incensistent with this Act, the person so offending shall for cach offence be liable to a penalty not exceeding 500 . nor less than 51.: provided always, that such contract tickets shall not be liable to any stamp duty. (Sec. 71.)

Clauses 72 to 94 inclusive rclate to matters of detail and to legal procedurc.

Colonial Voyages defined.-And whercas it is expedient to pro: de in certain cases for the earriage of passengers by sen from her Majesty's possessions abroad: Be it therefore enacted as follows:
For the purposes of this Act, the term colonial royages shall signify any voyage from any place within any of such possessions (except the territories (then) under the government of the last India Company and the island of lIong Kong) to any place whatever where the distance between such places shal! excced 400 miles, or the duration of the voyage, to be prescribed as hereinafter mentioned, shall exceed 3 days. (Sec. 95.)

This Act shall apply to all Colonial Foyages, except as relates to Mfitters herein mamerl.-This Act shall apply, so far as the same is applicable, to all ships carrying passengers on any such 'colonial voyage,' except as to such parts of the Aet as relate to the following matters ; viz. :-
1. 'To passage brokers and their licenses:
2. To passengers' contract tickets:
3. To emigrant runners:
4. 'To the giving bond to ler Majesty:
6. 'lo the keeping on board a eopy of thi Act:
6. To orilers in council regulating emigrati from the United Kinglom, or preseribing rul for promoting health, cleanliness, order, and wn tilation:
Irovlded that if the prescribed duration of an 'colonlal voyage' be less than three week, th. in addition to the matters lastly hereinbefore cepted, the provisions of this Aet shall not exten or apply, se far as they relate to the followin subjects; viz.:-

The construction or thiekness of the dechs: The berths and berthing:
The height between decks :
Privics:
Hospitals:
Light and ventilation :
Manning:
''assengers' stewards:
1'assengers' cooks, and cooking apparatus:
The surgeon, and medicine eliest:
The maintenance of passengers for 48 bow nfter arrival :
Provided also, that in the case of such 'coloni voyages ' whereof the preseribed daration is ic than 3 weeks, the requirements of this Act specting the issue of provisions shall not, except to the issue of water, be applicable to any senger whe may have contracted to fumish own provisions. (Sec. 96.)
Clause 97 empowers the govemors of colotil by proclamation, to declare leagth of vora and prescribe scalc of diet, medicines, and medic comforts.
Clause 99 putherises the Governor-Genenal India in council, by any Act to be pased that purpose, to adopt this Act for ladia, and make rules respecting food, passengers, sarge \&
List of Passengers brought into the \(C_{\mathrm{mi}}\) Kingdom \& e. -The master of every ship briog passengers into the United Kingdom from place out of Europe, and not withia the \(1 /\) terranean Sea, shall, within 24 hoars after arit deliver to the emigration officer or his assist or in their absence to the chief officer of custo at the port of arrival, a correct llst, signed such master, and specifying the namess ages, callings of all the passeugers embarked, and the port or ports at which they respectively have embarked, and showing which, if ary them, may have dicd, with the aapposed if of death, or been born on the voyage; and if master shall fail so to deliver such list, orif same shall be wilfully false, he shall, 00 a viction, as before mentioned, be liable penalty not exceeding 50l. Sach emigration customs officer shall, upon receipt of sud transmit the particulars respecting any paikn named therein who may have died, widh supposed cause of death, or beea bont 0 voynge, to the registrar-general of birks, ideat and marriages, who shall file the same, andeg a copy thereof under lis hand in the "lyan Register Book,' which entry shall be dest m and be of the same valuc as evideacessang of entry made in such book under the prisonas the \(6 \& 7 \mathrm{Wm}\). IV. c. 86 . (Sec. 100.)

Penalty on Masters for having on Boardagrea Number of I'ersons than prescribed by thin Ac lf any ship bringing passengers into the Ua Kingdom from any place out of Europe \(s\) have on board a greater number of paseagers

\section*{Passengers}
act tickets: : to her Majesty; a board a copy of thia
al regulating emigration om, of preseribing tolu canliness, order, and ven
rescribed duration of any s than three weeks, thei rs hastly heceinbecture ts t this Act shall not extem celate to the followin
hiekness of the decks:
ing :
lecks:
cooking apparatus: dicine cliest: If passengers for 48 hove I the case of such "colonif preseribed duration is lo quirements of this Act : ovisions shall not, except \(x\), be applicalhe to any e contraeted to furnish \(\therefore 96\).)
the governors of colocil declare length of roys diet, medicines, and mélia
ses the Governor-(ienenal t any Act to be passed ot this Act for ladia, and ig food, passengers, surgai
rs brought into the \(l\) master of every ship briog United Kingdom from , and not within the \(1 / 0\) within 24 hours after armil ration officer or his asistre 5 the ehief officer of custa ral, a correct llst, signed ecifying the names, ates, sseugers embarked, and which they respectively d showing which, if iny ed, with the supposed io rn on the royage; and if to deliver such lish, orit ally false, he shall, on of mentioned, be lisble " ing 50l. Such emigratio ll, upon receipt of such lars respectiag any pash 3 may have died, niu death, or beea bom, shall file the same, and en er lis hand in the "yar ch entry shall be deall w value as evidenceas mito book under the proriso c. 86 . (Sec. 100. ) s for having on Boanda greá than prescribed by this \(A\). g passengers into the place out of Survpe place onber of paseagers
ater number

Schedule B,-Form of Passengcrs' List.


Wentic critifs, that the provisions a etually laden on board this ship and
daju.
- Master.

Dut - \(*_{\sharp}{ }^{*}\) By the Act of \(\mathbf{1 8 6 3}\), this sehedule must include cabin pasengers.
Names and Descriptions of Passenyers.


Wibatigutify, that the above le a correct list of the names and descrighlons of all the passengers who embarked at the port
(Signed) \(\qquad\) Master. Emigration Officer.
Oifer of Customa at
(Countersigned) \(\qquad\) —.

Den
185.

Ka-lines should be ruled in the same Porm for any additions to the list after the ahip first cleara out and almilar certificates be



Schetule L.-Ionm of Pasobnoka'a Contnact Ticket.
1. A eontract ticket in this form muat be given to every passenger engaging a passage from the United Klogdem to any place out of Europf, and not 2. The vletualling acale for the voyage must be printed in the bady of the 3. All the hanka must be correctly filied in , and the ticket must be lepllily ilgned with the Cbristan names and surname ond address in full of the party 4. The day of the month on which the passengera are to embert muat be inserted in words, and not in toutes.

 has to metve ity inder comuct Ticear.
I mave that the persona
enexioct betor shall be pro-

 thumpe for each statute whis we thall be victualied

\(\qquad\)
- in thr Pasage day of
cuing Gor Pument dues, if ty, wed charge of landing,


of
tons register, to take in passengers at
for
1 engage that the person named in the margin hereof that be provided with A steersge passage to, ond shall be landed at, the port of with not less than ten in eube feet for lugkage for eache staipte adult, and shall be victualled during the voyage and the timie of detention at any phace before lis termination, arcording to the sultjoined scale, for the sumb of \(e\).
dues before embarketion, and head money, it any, at the pluding of Goverminent dues before embarkation, and head money, it any, at the place of handug, ind
every other ch.urge, escept frelght for excess of lupage feyond the quantity above spectifed, and I herely neknowledge to have received the aum of \(\boldsymbol{x} \ldots\) in \(\left\{\begin{array}{c}\text { full } \\ \text { part }\end{array}\right\}\) payment.

The following quantities, at least, of watel and provisions (to be tssued daily), will be supplied by the master of the ship, hn "equired ty cooking the sritier required by the Passenger Act to be lissed in a coohed state : And a weekly ailowance of provisions aceordink to the following scesle:-
 articles sothorised by the Act to he suhtitituted for oatmeal, rice, and
[ratoes.] if mess utenills and bedding are to lie provided thy the ship, the supulation must be inserted here.]

Signature in full
Place and dato \(\qquad\)
[If signed by a liroker or agent, state on whore behall.]
Deposit \(£\)

Noticas to Prseenuras.
1. If passengera, through no defaut of their own, are not received on board on the day named in their contract tickets, or fail to ohtain a passage in the ship, they should ayply to the Goverument emigration officer at the port, who wint assist teep thin part of their comtract ticket till after the cnd of the voyage.
2. Passengers thould carefull kin N.B.-This contract ticket is csetult from stamp duty.
persons than in the proportions respectively preseribed in sec. 14 of this Act for ships carrying passengers from the United Kingdom, the master of such ship slall be liable, on such conviction as beforo mentioned, to a penalty not exceeding 101. nor less thinn \(6 /\). for each such peraon or statute ndult constituling nny such excess. (Sec, 101.)

P'rovisions and Water to be issued to l'assengers bronght into the United Kingdom \&ee.-I'ho master of every ' passenger ship' bringing passengers into the United Kingiom from any place out of Europe, whall make to cnch statute ndult during the voynge, inchadiner the time of detention, if any, int niny port or place before the termination thereof, issues of pure water and of good nud wholesome provisions in a sweet condition, in quantities not less in monount than is prescribed in sec. 35 of this Aet for passengers proceeding from the United Kingdom ; had in case of non-complinnce with any of the requirements of this section, the master of such ship, shall, on such conviction as hereinbefore mentioned, be liable for each offence to a penalty not exceeding 50t. (Sec. 102.)
The United States, in imitation of the policy followed in tho United Kingdom, have passed several Actsin regard to the conveyance of passengers in ships belonging to tho ditlerent ports of tho Union. Tho last of these Aets is as tollows:-

An Act to requiate the Cailinon of
Passengers in Steas Shils and otheit
Vebsels, approved Malici 3, 1855.
N.B.-A bill to amend this Act was introduced into Congress in January 1865.

Bo it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, that no master of any vessel owned in whole or in part by a citizen of the United States, or by a citizen of any forcign country, shall take on board such ressel, at any foreign pert or place other than foreign contignous territory of the United States, a greater number of passengers than in proportion of 1 to every 2 tons of such ressel, not including children under the age of 1 year in the computation, and computing 2 children over 1 and under 8 years of age as 1 passenger. That the apaces appropriated for the use of such passengers, and which shall not bo occupied by stores or other goods nor tho personal baggage of such passengers, shall be in the following proportions, viz.- on the main and poop decks or platforms and in the deck-lonses, if there bo nuy, 1 passenger for each 16 clear superficial fect of deck, if the height or distance between the decks or platform shall not be less than 6 feet; and on the lower deek (not being an orlop deck), if any, 1 passenger for 18 such clear superficial feet, if the leight or distnnce between the decks or platforms shall not be less than 6 feet, but so as that no passenger slall be carried on any deck or platform nor upon any deck where the height or distance between the deeks is less than 6 feet, with intent to hring such pnssenger to the United States, and shall leave such port or place and bring the same, or any number thereof, within the jurisdiction of the United States; or if any such master of nny vessel shall take on board his vessel, or at auy port or place within the jurisdiction of the United States, uny greater number of passeugers than in the proportion aforcsaid, to the space aforesaid, or to the tonnage aforesaid, with intent to carry the same to nny foreign port or place other than foreign contiguous territory as aforesaid, every such master sliall be deemed guilty of a misdemeanor, and upon conviction thercof, before any circuit or district court of the United States, shali, for each
passenger taken on bonrd beyond the limit afore snid, or the space nforeanil, be lined in the sum of 50 dollars, nud may also be imprisoned, at the diseretion of the juilge before whom the penalty slinll to recovered, not exceeding six montha; buit whomld it be necessnry for the safety or conveniane of tho vessel that any portion of her carto, orang other articles or article, should be pheed on in stored in any of the decks, enbins, or other places appropriatel to the use of passengets, the same nay be placed in lockers or inclosuies preparel for the parpose, on nn exterior surface muperviour to the wave, enpable of being clemised la like manner as the deeks or platforms of the resed, In \(n o\) ease, however, shall the places thas ptovided be deemed to be \(n\) part of the spnee ollowablo for the use of passengers, but tho same shall bo deducted therefrom, and in all cases wheto prepared or nsed, the upper surface of snid lackers or inclosed apnces shall be deemed und taken to be the deck or platform from which measurmeat sliall be made for all. the purposes of this det. is also provided that one hospital in the space ap propriatel to passengers, and separated thereform by an approprinte partition, and furnisted as it purposes require, may be prepared, and when mem may be included in the spaec allowable for passer gers, but the sanie shall not occupy more than 20 superficin! feet of deek or platform : proviled, th on board two leck ships, where the beight to tween the deeks is \(7 \frac{1}{2}\) feet or more, it ch superticial feet of deck shall be the proportioa quired for each passenger. (Scc. 1.)
And no such vessel shall have more thas \(k\) tiers of berths, and the interval between the low part thereof and the deek or platform benes shall not be less than 9 inches, and the bet shall be well constructed, parallel with the sith of the vessel, and scparated from eseh other partitions, as berths ordinarily are separated, shall be at least 6 fcet in length and at least feet in width, and each berth shall be accupiedly no moro than 1 passenger; but double berths twice tho above width may be constructed, eal berth to be oceupied by no more, and by no othe than 2 women, or by 1 woman and 2 chilag under the age of 8 years, or by husband andrii or by a man and 2 of his own children under if age of 8 yenrs, or by 2 men, members of the sis family ; and it there shall be any violation of \({ }^{\text {a }}\) section in any of its provisions, then the ms of the vessel and owners thereof shall serens forfeit and pay the sum of 5 dollsrs for eachop senger on bonrd of said vessel on auch rojage, be recovered by the United States in ayy where such vessel may arrive or depart. (See:

And all vessels, whether of the Uinited Stof or any foreign country, having sufficient cap.t of space, according to law, for 50 or more p gers (other than cabint passengers), shail, rim employed in transporting such passeagersbetw the United States and Europe, hare, on the off deek, for the use of such passengers, a hauen the passage-way lending to the apartmentsall to such passenfrers below deck, firm) securea the cleck or combings of the hatch with 2d the sills of which shall be at least 1 fowt of the deck, so constructed that one door or nitl in such house may at all times be left oper ventilation; and all vessels so emplored, 5 having the capacity to carry 150 auch pesseng or more, shall have 2 such hougea; and the sai or ladder lending down to the aforesaid gaprimat shall be furnished with a hanil-rill of mood atrong rope: but booby hatches marbe subse tuted for such houses. (Scc. 3.)

And every such vessel so employed and hari
eyond the limit affre. bo thed in the sum of be imprisoned, at the are whom the penalty eding six months: but e safety or convenictice ton of her ear ;o, or any hould be placed un ir eabins, or other glaces of pasacngers, the same or inclosures preparel erior surface impervigas being cleansed in likn platforms of the sesed. Il the places thus po yart of the space allowgrers, but tho same shall and in all cases where er surface of said luckers e deemel and taken to be om which measutment purposes of this Act. It hospital in the space apand separated therefrom jon, and furnished as its a prepared, and when noso pace allowable for pasme not occupy more than 10 platform: provided, that is, where the height be feet or more, It cles shall be the proportion re er. (Sec. 1.) hall have more thas tre interval between the lowes cleck or platform benest 9 inches, and the beth ted, parallel with the sid rated from each other rdinarily are separated, ar \(t\) in length and at least berth sluall be oceupied b ger; but double berths a may le constructed, an y no more, and by no othe y 1 woman and 2 chillira rs, or by husband and wif his own children under th men, members of the sme all be any violation of thi rovisions, then the math crs thercof shall serenth n of 5 dollars for each pes d vessel on such vojage, United States in any po arrive or depart. Sec: cther of the United Stas , having sufficient caphe law, for 50 or more pa in passengers), shail mac ing such passeagers bertem Europe, hsve, on the upt ch passengers, a bouse or to the apartment low deck, firmly secured of the hatch rith :dmon \(l\) be at least 1 foot boo ed that one doot or wint all times be left oped vessels so emplored a b carry 150 such passenge. such houses; and the swe in to the aforesad gatrad th a haal-rsil of rood by batches mast be nubs (Sec. 3.) sel so employed. and hari

Toral eapacity for more than 100 wnch pasmelsshall lave at least 2 ventilators to purify the apartment or apartments oceupied by such waphers; 1 of which slagll be liserted in tho piter jart of the nartment or apartments, and mothe slisll be placed in the forwaril portion the partment or apartments, and one of them , hall lave an exhansthge cap to corry oll the fonl yr, and the other a receiving cap to carry down he frel air; which said ventilatore slall havo a araty proportioned to tho sizo of the numemat or apartments to be puritled; namely, if the matment or apartments will lawfully nuthorise the fecpution of 200 such pissengers, tho enpacity fsid ventilators shall cacli be equal to a cube did inches diancter in the clear, and in proporthe for larger or smaller apartments ; aud all said retilatons shall riso at lenst 4 feet 6 inches nbove the upper deck of any such vessel, and lie of the most approved form and construction: but if it ball appear, from the report to be made and npprocel, as liercinafter provided, that such vessel is mually well ventilated by any otler means, wechuther means of ventilation shall be deemed milhed to be a complinnee with the provisions (this section. (Sec. 4.)
dad cyery vessel carrying more than 50 such masengers shall have for their use on deck, looused ind conreniently arranged, at least one caboose of colliger range, the dimensions of which shall be multot feet long and 1 foot 6 inches wide for rery ? passengers; and provlsion shall be made is the manner aforesaid, in this ratio, for a grater er less number of passengers ; but nothing hevia contained shall take sway the right to whe wheh arrankements for cooking between deak, if that shall be deemed desirable. (See. 5.) dod all ressels employed as aforesaid shall have on boand, for the use of such passengers, at the heme of leaving the last port whence such vessel thall sail, well secured under deck, for each pasenger, at least 20 pounds of good navy bread, 15 pounds of rice, 15 pounds of oatmenl, 10 pounds of rhest flour, 15 pounds of peas and beans, 20 poonds of potatocs, 1 pint of vinegar, 60 gallons of freh water, 10 pounds of salted pork, and 10 pounds of salt becf. free of bone, all to be of good qoality; but at places where either rice, oatmeal, aheat flour, or peas and beans, cannot be procared, of pood quality, aad on reasomable terms, the quantity of either or any of the last-named articles wirbe incrensed ant substituted therefor ; and in ease potatoes cannot be procured on reasonable tems, 1 ponnd of either of said articles may be shblituted in lieu of \(\dot{j}\) pounds of potatoes; and the cuptains of such vessels shall deliver to each passenger st least one-tenth part of the aforesaid prorisions weekly, commencing on the day of suling, asd at least 3 quarts of water daily; and if the passengers on board of any such vessel in shich the provisions and water herein required thall not have been provided as aforesaid, slanll at any time be put on short allowance during any sorage, the master or owner of any such vessel shall pay to each and every passenger who shall hase been put on short allowance, the sum of 3 dallars far each and every day they may have leep put on short sllowance, to be recovered in the crrcuit or district court of the United States; auc it sûth de the duty of the captain or master of 'yery sueh shy or vessel to canse the food and porisiuns of all the passengers to be well and properly cooked daily, and to be served out and ustributed to them at regular and stated hours, \(y\) messes, or in sach other manner as shall be reemed best and most conducive to the health ind eemfort of such passengers, of whieh hours
mamer of distribntion the and sulticient tuotice shall be given. If the captaill or master of any such ship or vessel shall wilfully fail to furnish and distrilute wuch provisions, cooked as aforesnit, the slatl be deemed gitilty of a misdemeanor, and unon eonviction thereof before any circuit or dintrict conrt of the United Statea, shan he tined not more than 1,000 dollars, and shall be imprisoned for a term not exceeding 1 year, provided that the enforcement of this penalty shall not affect the civil responsibillty of the captain or unast er und owners tos sucli passengers as may havo suffered líom suid defunlt. (See. ti.)

And the captain of any sucti vessel so employed is lierely anthorised to maintain good discipline and sucti habits of cleanliness anong such passengers as will tend te tho preservation and promotion of healtin; and to that end he shall canse such refulations as he may alopt for this purpose to be posted up before sailing on board such vessel, in a place necessiblo to such passengrers, and shall keep the same so posted up during the voyage; and it is herely made the dinty of sald captain to cause the apartments occupied hy such passengers to bo kept at all times in a clean, lealthy state, and the owners of every sueh vessel so employed ure required to construct the tecks, and all parts of said apartment, so that it can be thoroughly cleansed; and they shall also provide a safe, convenient privy or water-eloset for the exclaslve use of every 100 such passengers. And when the weather is such that said pussengers cannot be mustered on deck with their bedling, it shall be the duty of the captain of every such vessel to eause the deck ocenpied by such passengers to be eleansed with chloride of lime, or sume other equally efficient dislnfecting agent, and also at such other times as said captain may deem neeessary. (Sec. 7.)

And the master and owner or owners of any such vessel no enuployed, which shall not be providel with the loonse or houses over the passageways, as preseribed in tho third section of this chapter, or with ventilators, as prescribed in the fourth section of this chapter, or with the cabooses or cooking ranges, with the houses over then, as prescribed in the dlfth section of this chapter, shall severally forfeit and pay to the United States the sum of 200 dollars for each and every violation of or negleet to conform to the provisions of cach of said sections; and 50 dollars for each and every neglect or violation of any of the provisions of the seventh scetion of this chapter, to be recovered by suit in any circuit or listrict court ot the United States, within the jurisdiction of which the said vessel may arrive, or from which she may bo about to depart, or at any place within the jurisdiction of such courts, wherever the owner or owners, or eaptain of such vessel may be fonnd. (See. 8.)

And the collector of the customs at any port of the United States at which any vessel so employed shall arrivo, or from which any such vessed shall be about to depart, shall appoint and direct one or mere of the inspecturs of the custoins for each port to examine such vessel, and report in writing, to such collector, whother the requirements of law have been complied with in respect to such vessel; sud if such report shall state such compliance, and shall be approved by such collector, it shall be deemed and lued as primâ facie evidence thereof. (Sec. 9.)

And the provisions, requisitions, penalties, and liens of this Act, relating to the space in vessels appropriated to the use of passengers, are hereby extended and made applicable to all spaces upproprinted to the use of stecrage passengers in

\section*{PASSENGERS}
vessels propelled, in whole or in part, be stemm, and marigatlag from, to, nul between the ports nud to manuer as in this Aet mamed, wid to such vessels and to the masters thereof, nuid so much of' the Aet eutifled 'An Aet to amend an Aet ellitited "An Aet to provide for the hetter Security of the D.ives of lassengers om besard of Vessels propelled in whole or in part hy steam. and for other Purposes,"' "upproven August 30, 18i2, as conticts with this set, is herehy repealed: and tho space appropriated to the use of steerage passeugers in the vessels so as ahow jropelled and unvigated is herelhy subjected to tho supervision and inspection of the collectur of the customs at any prote of the United States at which any such vessel shall urive, or from which she shall be about to depart; and the same shall be examined and reported in the same manner und by the same ollicers, by the next preceding seetion directed to examine and repurt. (See. 10.)
And the vessels bound from any port in the Uuited States to any port or place in the Pacifio Ocen, or on its tributaries, or from any such port or place to any port in the United States on the Atlantic or its tributaries, shall be sulject to the forecoing provisions regrulating the carriage of passengers in merchant sessels; except so mucli as relates to provisions nad water ; but the owners and masters of all such vessels shall in all such cases furnish to each passenger the daily supply of water therein mentioned; and they shall furnish a sufficient supply of good sual wholesome foul, properly cooked; and in case they shall fail so to do, or shall provide unwholesome or unsuitable provisions, they shall be sulbect to the pert provided in the sixth section of this chapter, case the passengerv are put on short allowance of water or provisions. (Scc. 11.)
And the captain or master of any ship or vessel arriviug in the Lnited states, or any of the territorics thereof, from any foreigu place whatever, at the same time that he delivers a manifest of the eargo, and if there lie no cargo, then at the time of making repurt or entry of the ship or vessel, pursuant to law, shall also deliver and report to the collector of the district in which such ship or vessel shall arrive, a list or manifest of all the passengers taken on board of the said ship or vessel at any foreigu port or place, in which list or manifest it shall be the duty of the said master to designate, particularly, the age, sex, and occupation of the said passengers respectively, the part of the vessel occupied by enell during the voyage, the country to which they severally belong, and that of whieh it is their intention to become inhabitant; and shall further set forth whether any, and what mumber, have died on the vovage; which list or manifest slanll be sworn to by the said master, in the same manner as directed by law in relation to the manifest of the cargo, and the refusal or neglect of the mastor atoresaid to comply with the provisions of this seetion, or any part thereof, shall incur the same penalties, disabilities, and forfeitures as are provided for a refisal or neglect to report and deliver a manifest of the cargo aforesaid. (Sec. 12.)
And cach and every collector of the customs to whom sueh manifest or list of passengers as aforesaid shall be delivered, shall quarterly return copies thereof to the Secretary of State of the United States, by whom statements of the same shall be laid betore Congress at each and every session. (Sec. 13.)
And in ense there shall have occurred on board any ship or vessel arriving at any port or place wihhin the United States or its territories, any
death or deaths annong the jaisengees (orlier thon eabin passengrarm), the master or cabitala, or own or consignee of wuch ship or vesuel shall, withis twenty-four hours after the time within whileh th report and list of manifest of passengers mon tioned in section 12 of this Aet is requirent to lo dellivered to the collector of the cintums, bay tin the said eotlector the sum of 10 doln. for each aid every passenger nbove the age of 8 years what Fhull have dited on the voyage by matural divease: nud the said collector shall pry tho money thirecuived at such timos, und in such mamer as th sectetary of the 'l'renaury by genueal rules thall lirect, to any bonrd or commission apprainted br, and acting under the unthority of, the state within which the port where such ship or vessel arriven is situnted, for the caro and jurotection of whib undigent, or clestitute emigrants, to be appliesl tu the ubjerets of their appointment ; and it there he more than ous board or rommiswion who shall elain such payment, the secretary of the Treasury for the time being shall determine which is elt titlel to receive tho same, and his decision in the premises slanll be final nut withont appeal ; pros vided that the payment shall in no ease awnaded or made to suy board, or commissirn, association, Ermed for the protection or advan ment of any particular class of emigrants. cmisrants of any purticular nation or creed; an it' the master, captain, owner, or consignee of a ship or vemsel, refuse or neglect to pay the luetor the sum and sums of money repured, within the time prescribed by this section, he they shall severally forfeit and pay tho sum 50 dols., in uldition to such sum of 10 dols. each and every passenger npon whose death same has become payable, to be recovered by United States in any cireuit or district cont the United States where such vessel may arrin or such master, cuptain, owner, or consignce m. reside; nnd when recovered, tho said moner she be disposed of in the same namaer as is dired with respect to the sum and sums required to paid to the collector of customs. (Sec. 1t.)
And the amonnt of the several penaltiesim by the foregoing provisions, regulating the riage of passengers in merchant vessels, shall liens on the vessel or vesseds violating thow visions, and such vessel or vessels shath he libelt therelor in any circuit or district court of t United States where such vessel or vessels s! arrive. (S'ec, 15.)

And ail and every vessel or vessels whidh sh or may be employed by the American Colonisati Society, or the colonisation society of any sta to transport, and which shall actually transp from any port or porls of the United States any colony or colonies on the west coast Arica, coloured emigrants to reside there, sis be, aud the same are heroby, suljected to operation of the foregoing pro isions regulati the carriage of passengers in merchat ress (Sec. 16.)

And the collector of the eustoms shall exant such emigrant ship or vessel on its arrival at port, and ascertain and report to the Secretary the 'l'ceasury, at the time of sailing, the lengt the voyage, the ventilation, the number of sengers, their space on luard, their fool, native country of tho emigrants, the number deaths, the agre and ses of thore who diel dy the voyage, togetloer with his opinion of eanse of the mortality, if mys, on board, if none, what precantionary measures, arra ments, or habits, are supposed to have any, and what, ageney in cansing the exempt (Sec. 17.) pitnili, or owle el shall, withtu rithin which th assengers ins:14 required tol s . enntuas, pay th ols, for earlo and of 8 ymars who uatural disease: the meney th h manner as the mural rules blall on appointel lw, f, the state within or fosel artiven motection of sils , to be applient ta it ; and if there be nission who shall ary of the Trestary mine which is mi his tlecision int the hont appeal: all in 10 case , or commissin, tection or advane * of emigtalut. lation or creal ; : or consithee of any ect to pay the cul moncy recuited, an y this section, he and pay the sum sum of 10 dols. pon whose death th be recovered by th \(t\) or district csurt ch vessel may arriv er, or consignce ma the sail money sha manner as is directo 1 sums required to ins. (Sce, 11.) eral penalties mpo - regulating tne c. liant vessels, shall violating those pre essels shall be libella district court of th ressel or ressels sha
or vessels which American Colonisatig society of any stal all actually transpor the Unitel States t the west coast to reside there, sh reby, suljected to pro-isions rerulati in merchant vese
fustoms shall examin 1 on its arrival at rt to the Sciretary suiling, the leagth h. the number it oard, their foot, rants, the pumbet hete who died dur I his opinion of - any, oll boart, ry measures, arran pposed to have fasing the exmit

Ind thas iet ahall tinice elsere, witls respect to aspos sailins from poras in the United States, the eastern side of the conthent, within 30 dass from the time ol its approval; and with re dect to vesels sailing from ports to the United peated, on the western shle of the continent, and fom ports in liurope, within 60 days from tha tine of its approval; and with respect to vessels wiling from ports in oller parts of the world, rithin 6 moaldas from the timo of its approval : tat it is hereby mate ine ataty of the Soceretary diste to give notice in the pirts uf biturope and esulere if this Net, in such mumuer as lie slanll weII proper. (See, 18.)
thi from suil after the time that this Iet shall wheffect with respuet to any veasels, ill respect touch vesselv, the Aet of March 2, 1819, entitled - In det regulating I'assenger Ships and Vessels,' be det of Frobruary \(2 \cdot 2,18.17\), entitled ' An Net to umate the Carriage of' I'assengers in Mercluant
 pamend an Aet esititlod "All Aet tor regulate the (armage of l'asscagres in Merehant Vessels," antl odetemine the thane when said Act shall take eqet, the Act of January 31,1815 , entitled ' An de exempting Vessels employed by the American Colomisation Society in transporting Coloured Emimants from the United States to the coast of Itriaftom the provisions of the Arets of February中n in Darch 2, 1817, requlatius the Carriare of Puenzers in Merchant Vessels, the ilet of Mus* li,iveseatltled' An Aet to provide for the VintilnthadPasenger Vessels, and for other l'arposes,' and ta det of Marela \(3,18 \cdot 19\), entitled ' An Aet to exted the Provisions of all Laws now in force retrin to the Carringe of Passengers in Merchant Fewt, and the regulation thereof,' are hereby mpalet: But nothing in this Aet containcil blll in aywise olnstruet or prevent the prosulion recovery, distribution or remission of wy fines, penalifes, or forfeitures which may we been incarred ln resuect to such vessels pint to the day this Act pues lnto elliet, in resatt to such vessels under the laws heroby mpaled, for which purpose the sainl laws shall avinue in force.
But the Secretary of the 'Trensury may, in his disertion, and upon suel conditions as he shall thak proper, discontinue any such prosecution, or mit ur modify such peralties. (Sec, 19.)
Panenger Ships in Australia.-By 24 \& 25 Vict. e 5 . the governor in cach of the Nustralian colonis mas, by any proclamation to be by him wowh fumish such rules as he shall think proper fo determining the number of passengers to be aried in any passenger ship from any such why fo any other of her Majesty's possessions in dertalasia, with other regulations, and prescribe pradties for infraction and non-observance of the nies hid down.
While the proclamation is in force, the rules 0 a ectments of the Passenger Act of 1855 sull not apply to intercolonial voyages.
The requirements of these proclamations slaall *rald as law in all her Majesty's dominions, as Wogh they formed part of the Passenger Aet d 1830.
Chinese Passenger Ships. - Our readers are stare that there is at present (1869), and that there bas beea for some considerable time past, anextensive emisration from China to California od dustralia. This emigration (especially that a dustralia) bas been principally carrical on in British ships; and the abuses connected therewith are been such as to attract the attention of whiment, which has been induced, in the viow iputing them down, to enact the following

Aor mon the limilinimos of Abese in
 NEGULation. IN \& 19 Vier. C. 10.
Clanse I defines the termensed in the det.
Clanse 2 authorises the Legislature of Itong Koug to make regulations respecthug passenger ships, proviling that 1 until such regulations br made, those contained in tho amexedseliedule \(A\). shall be in torce: proviled always, that no orilinanceshall come into operation mitil her Majentrs confirmation of the watse shull have been proclamed in Hong Komg by the governor theredf.
Governor of Hong Kon!! to dechare liength yf Ioynges.-It shall be lawiul for the governor of Hong kong to dechare by prochamation, for the purposes of this Aet and of the said regulatlons, what shall bo deemed to be the duration of the veyage of any Chinese passenger ship, and by such proelamation to alter the seales of dietary, medicines, and medieal comforts contained in the munexed schedule A . (Hee. 3.)
No Chinese l'asscnger Shin to rlear out on Voyage of mare than 7 Days without \&e.-No Chinese passenger ship shall dear out or proceed to sea on uny vosire of moro than 7 days duration matil the master thereul have receivel from an emigration oflleer a eojg of the aforesaid regulations, and a certitleate in the form contained in the ammexed schedule II.. or in such other form as inay be preseribed by the Legislature, whieh copy and certitheate, with any dociments to be attached thereto (herein designated as emigration papers), shall be signed by the sald emigration oflleer, nor until the: master shall, with two sufficient sureties, to be approved by the said emigration ollicer, have eatered into a joint and several bond in the sum of 1,0001 , to her Majesty, her heirs and successors. in such form as may be preseribed by the said l.egislature. (Sec. l.)

Pemalty of Bowd, when recorerablr,-The said penal suin of 1,0001 , shall be due and recoverable notwithstanding any penalty or forteiture imposed by this Act or by the aforesaid regulations, and whether such penalities or forfitures shall have been sued for and recovered or not. (Sec. 5.)
Clause 6 anthorises the commanders of ships of war sce. to seareh ships, require production of papers \&c.

Pemalty for neglect to comply with Regulations §c.-In ense of any neglect or refusal to comply with any of the provisions of this Act or any of the regnlations aforesaid, or to perform any stipulation in any of the contracts made with passengers, the master of the ship and any other person Who may have been guilty of or have aided or nbetted such neglect or refusal, shall ench be deemed for each offence guilty of a misdemeanor. (Sec, 7.)

Ship to be forfcited for clearing without Emigration Pupers \&c.-If any Chinese passenger ship, rlears out or proceeds to sea on any voyage exceeding 7 dnys in duration without such emigration papers as afuresaid, or if the emigration papers of any Chinese passenger ship are forged or fraubitently altered, sueh ship shall, if she is a British ship, or if, not being a British ship, the offence is committed and the ship is seized in her Anjesty's dominions, be forfeited to her Minjosty, (Sec. 8.)
I'cnalties in allition to Forfeiture-Every person who commits, or aids, or abets in committing any act or defanlt by which any Chincse passenrer ship may beeome liable to forfeiture, shall be liable to a penalty not exceeding 100l. for each offence, (Sec. 9.)
The following clanses refer to the mode of enforeing and npplying forfeitures.

\section*{Schentut. A. \\ Rrguiations reapectino Cuinesy I'amangein} Sthi's.
Note.-The wilful and fraululent breach of any of theme regulations by the peraon in charare of any Chinewe passenger ship is punishmble ly forfeiture of tha whip, and every person coniremed in much breach la linble to a tine of \(100 \%\). for nuch offence.
I. No Chinese passenger shlp shalt clear out or proced to sen ons any roynge of moro that 7 days' duration without a certifleato from an emigration offleer; and such certifleate shall be In the annexed form.

1I. No emigration officer shall be bound to five anela esrtitioato in respeet of any Chinese passenger whip 11117 days after recelvimp notice that the ship is to carry passengers, and of her destination, and of her jiruposed day of sailing, not unlens there are on hoard a surgeon and un interpreter approved by woch emigration oflleer.
111. After receiving such notice, the emizration oflicer shall be at liberty it all times to cuter and inspect the ship, and the iftings, provislons, and stores therein, and any person impeding hime in anch entry or inspection, or refusing to nlow of the same, shatl be liable to a the of mit more than 100 l . for each offence.
IV. The emigration otlieer shall not give his certlicate unlens ho be satistich-
(1.) That the ahip is senworthy, and properly manned, equipped, titted, and ventilated; and has not on board any cargo likely from its quality, quantity, or modo of stownge, to prejudice the health or mafety of the passengers.
(2.) That the xpace appropiriated to the passengers in the between deeks contalins at the least 12 aluperticial and 72 cubienl feet of space for every nilult on board; that is to any, for every passenger: above 12 years of age, and for every two phssengers botween the agen of 1 year and 12 yenrs.
(il.) That a space of \(\bar{b}\) supericial fect per actult is left clear on the mper deek for the use of the pasmengers.
(4.) That provisions, fucl, and water have heen placed on board, of food quality, properly packed, and suffelent to supply the passengers on boaril during the deelared duration of the intended voyage, according to the fullowing seale:-

Dictary Scale.

(5.) That medicines and medical comforts have ocen placed on bonrd aceording to the following seale:-
For every 100 passengers, and in like proporLion for any greater or less number.
\begin{tabular}{|c|c|}
\hline Calomrl & - \\
\hline Blue pill & \\
\hline Rhubarb pawder & - \({ }^{2}\) \\
\hline Compound jalap powder & 12 \\
\hline Ipecacuanlia powier & \\
\hline Oplum - & - 8 \\
\hline Dover's powder & - \(y^{\prime \prime}\) \\
\hline Magnesia & - - \(\mathbf{z}_{0}\) \\
\hline Kpom ralts & 61 h. \\
\hline Chlorlde of lime & 80 \\
\hline Tapiar emetic & 4 diams \\
\hline Quinine \({ }^{\text {a }}\) & \({ }^{2} \mathrm{oz}\) \\
\hline Andimonial powder & - \(0^{3}\). \\
\hline Patract of colocynth, compound & \\
\hline Cartonste of ammotia & * 11" \\
\hline Asampertila - & " \\
\hline Camphor & 117 \\
\hline Camphoraterl linitment & 16 \\
\hline Catechu mals: & \({ }^{\prime \prime}\) \\
\hline Prepatel rhalk. & - \(z^{\prime \prime}\) \\
\hline Tincture of nplura & - 180 \\
\hline Turpentine & \({ }_{8}\) \\
\hline
\end{tabular}


Inathuments de.
1 Set of amputating and othee nurgieal inotry ments (if there be any person on the eompetint to une them),
1 One-obince дlass measure.
I Minlin glass measure.
I l'ext Ie nul mortar (W'rigwood).
I Set of weights and seales (grains in box).
I Set of common splints.
I Set of bloeding lancets.
1 Silver catheter.
1 Spatula.
1 I ressing scissors.
1 fufusion box.
1 Quire of country pmper.
1 Jenknifo.
2 Metal bed paus.
2 'Trusses for hernia, right and left.
2 Smull syringes.
4 Ounces prepared lint.
\(\because\) l'ieces cloth for bandages.
V. The master of any Chinese passenger th being a Britlsh ship and proceediag on a yora of more than 7 days' duration, sliall, during to whole of the inteniled voyage, make issues provisions, fuel, and water, according to aforesaid dietary scalc, and slall not ingke an ulteration, except for the munifest advantage the pasaengers, in respect of the space allotel them ns aforesaid, or in respect of the means ventilation, and shall not ill-use tie passeng or require them (exeept in case of necessity) help in working the vessel; and shall i medieines and medical comforts, as shall requisite, to the beat of his judgment, and aliw call at such ports as may be naentioned in th emigration oflicer's eleariug certificate for fro water and other neceymaries; and shall as them without unnecessary delay to the dasin tion to which they have eontracted to proeed,
VI. The emigration officer shall not give 1 certificate until be has mustered the paseman and ascertained, to the beat of his poser, tia they understand whither they are going th comprehend the nature of any coatrats serviee which they have made; he sinall ako ta cure that a copy of the form of such ountacts, an abstract of iheir substance, signed br jimat is appended to the said eertificate: if any of passengers arc in bad health, or insmicienty provided with clothing, or if the entreth it unfair, or if there is reuson to suspect bist this or violence lins been practised in their oolectix or embarkation, he may detain the ship, and, he shall think fit, may order all or any of to passengers to be re-landed.

\section*{Scifedule B.}

Emigration Officer's Ceatificts dc.
I hereby authorise the Chinese pasenger ship in and I certify that the sid ship car
adulta, and that there are
(anarl alulta, viz. pasmengera, makln male childran, and sumen
female dilden nueh children being between the nges of I and t' yeara that the spmee act nipurt alled to benptelear for the nse of nomeh emigrantes is as Nullwa: On the upper deck, Nuperficinl the leing [here describe the npare], and int the heween lecks superticial teet, being Lhre daceribe the apsace]; that the ship is mperly manned aud iltted, and that tho means \({ }^{\text {dipariflating the part of the between deeks }}\) meminated to passengers are as followa [here unpribe the means of ventilution]; that the ship iv furnished with a properer gainatity of good provisulas, fued, null water for
ho inys luge to the passengers accorling to the nnsedd dietary seate, and with a proper quantity dmalicines, instrunents, nud nedicat comberts wevaries; that I have inspected the contracts Wiseen the emigrante and their intended ennderes (the terms of which are annexed to this ariticate), and consider then reasonable; that s) frull appears to have been practised in whecting the emigrants; and that there are on hand a surgeou \(\dagger\) [and interpreter] approved by me suldestgnated [ respectively
and] \(\ddagger\) [The master of the sipis to putt into and
for water wad froth regetables.]

\section*{Dated this day of 18}
nemet.


 -1 DTo ful kiween Lraikers is to be inserud or net, as may be mow

\section*{Indian Emigration Act.}

Emigration from British Indin is regulated by the Indian Aet of March 18, 186.1, No. 13 of that Yen.
This Set, whicls came into operntion on July 1, 1864. repeals and consolidntes, with amendmente, 16 det , and a portion of nother Aet, passed between 1839 and 1863 , on the suliject of emifration. The following are some of its main pwrisione.
1. Ports of Emigration.-Emigration is prohibited from any port of Inclin execpt Caleatta, Jatra, and llimbny. (Scc. 7.)
2. H' Hat Labour Cuntracts, and to what Places Emigration, legal.-Contracts for labour, out of addi, are declared to be unlawful, except when made under the provisions of the Act, and for wech places as the Gevernor-Gencral in council bay notify in tho Gazette of India, in addition Msoritius, the Seychelles, Jamaica, Jiritish Goians, Trinidad, St. Lucin, Grenada, St. Vincent, 1h Kitt's, Natal, and tho Danish colony of St. troix. (Secs. 3, 4, 5, and 6.)
3.Emigration may be prohibited. -The GovernorGeneral in council miny, by notification in the Gastte of India, proliibit emigration to any lace to which it has been sanctioned, if he has rason to believe that proper measures have not een taken for the protection of emigrants, or for beir safe retum to India when they are entitled a retum passage. This prohibition mny, howret, in like manner be removed when the Goverof is ratistied that such measures have been lopted. (Secs, 64 and 67 .)
4. Emigration Agents.-I'he Governments of the mous places to which emigration is nllowed may pint emigrstion ngents in Calcutta, Mndras, Rombiny (bubject to the approval of the

Premidency Govarnment) to collect emigranta amid act for them. (Shec, 10.) 'I'he remmeration, luwever, of these agents is not to be regulated by the number of emigrants went off, but in to be in tho muture of a thsel numual salnry, (Sice. 12.)
b. Recraiters, - The l'rotector of Emigranta, mo oficer appointeil hy the I'residency Government. is empowered (bat only on the applivation of m . emigration agent of a colony) to liceuse anmuall:an many recrniters na lie may think necesmary for that partlcular colony; mad no perwou can act as 1 recrinter without such lleense, mider a menalty of 50t) rupers. (Nees. 1:3, 24, 25, 2li, and 70.) ille fee for the license is 10 rupees. (Кיㅏ. 27.)
t. Recruitment and lteginlration uf Himigrants.Natives in the commery engaring with \(n\) recruitar to emprate are not to loave their dintrict without appenring, with the rerriter, before the magistrate of the district, who mast register, in a book for the purpose, the name and purticulars of the amprant, unless he thods that the emigrant does nut understand the mature of his engagement, of hans been induced to cutor inte it by trand or misrepresentation. Tho feo for registration is one rinpec. A coply of this registration la to be given to the emigrant. (Sees, "9) and :3i.) Tho registration ot emigrants fecroited in the three l'residency towns of Caleutta, Madran, and IJombay, is to be effected under similar conditions, by the protector of emirrants, instend of by magistrates. (Sees. 10 and ith.) The emigrition agent of any colony may, with the consent of the protector, set aside any contract of his recruiter; but if he sets it aside withont such consent, he must pay to the protector a sum sufficient to enable the emigrait to retirn to the place where he was registered. (Sec. 41.)
7. Emigration Scason.-The emigration season for stenncrs groing anywhere, and for sailing vessels to any place east of the Cape of Cood liope, is the whole yenr; but for sailing vessels to anyplace urst of the Cape it is contined to the period between July 31 nad March 16. (Sec, 45.)
8. Length of I"yyge.-Tho deelared length of voyage from Caleutta to the West Indies is 20 weeks, from Mailras and Bombay 19 weeks. 'To Natal 12 and 10 weeks respectively. To the Mauritins, from 5 to 10 weeks, according to tho time of the year and the l'residency from which the voyage is made. (See, 8.)
9. Nhinpiag Arrangements.-The vessols must obtain n license from the Presidency (Government (sce. AB), must have a height of not less than \(5 \frac{1}{2}\) feet between decks, and must not carry more than one ndult for every 10 superficial fect on deck (by Order of the Indinn Government, Februnry 24, 1868, the superticial spmee per adnlt has been increased from 10 to 12 fect), and for every cubie space of 72 fect. Every emigrant above 10 years, and two children from 1 to 10 , are to count as one adnlt. Women and children must occupy a distinet compartment from the single men (sec. 47). Vesscls fitted with any water-distilling apparatus approved by the protecter of emigrants is to be allowed a reduction of one-third of the quantity of water (seven gallons for every emigrant for each week of the computed voyage) required by the Aet to be shipped in tanks or casks (sec. 48). Vesscls sailing from Calcutta are to be towed to sea by steamers (sec. 60) under a penslty not excceding 1,000 rupees. (Sec. 78.)
10. Governor-General may make Rules,-The Governor-(iencral is empowered to make, from time to time, rules (which must be published in the Gazette of India) not inconsistent with the Act, on the following subjects, viz. 1 , the proportion of women to be takell, and the age at
which childiten are nut to be dakell; 2, the dietary and elothing of emigrants on the voyage; 3 , the medical care, medicines, and medical joumals \(\mathcal{\&}\)., of the emigrants ; i , ventilation and cleanliness, and boats tor the voyage ; and b, the seenrity, well-being, and protection generally of the emigrauts.
11. Excantion of F'remeh Colonies.-With the exception of sections 1!) to 41, both inclusive which relate to the recruitment of uative labourars, the Act is not to apply to emigration to the Frenelt colonies. (Siec. 83.)

Emigration to the French colonies is regulated by sections 19 to 41 of the Act of 186 H , and by Aet No. IG of 1860, which Aet was passed to give ellect to two conventions entered into beiween the Euglish and the French Governments, dated Paris, July 25, 1860, as regards Reunion, and 'uly 1, 18ti!, as regards the West India Colomies of lirance.
The passenger trade between India nul Cevlon is regulated by seetions 19 to 41 , both inelusive, of the Indian Aet. No. 1:3 of 186.I, and hy the Act. No. 25 of 18.59, No. 7 of 1862 , and ty the Ceylon Ordiname \({ }^{2}\), No. 1 of 1860, and No. 10 of 1862.

Alstract (!) Order in Coimail (Jtan. 7,1804 ) for promoting Orter ant IFeulth, \&r. in Passenyer ships to amy of her Majesty's Possessions abroud. ( 59 sec. Puss, det.)
1. Fvery passenger to rise at 7 a.m., unless otherwise "permitted by the surgeon; or it no surgeon, thy the master.
2. Breakifist from 8 to 9 a.n., dimer at 1 r.m., supper at 6 p..м.
3. The passengers to be in their beds at 10 p.3m.. exeept under permission of the suryeon, or, if uo surgeon, of the master.
4. Fires to be lighted by the passengers' cook at 7 A.M.. and kept alingt by him till 7 r.as. ; then to be extinguished ualess otherwise direeted by the master, or required for the use of the sick.
5. The master to determine the orler in which each passenger or family of passengers shall he entitled to the use of the fires. The enok to take ure that this order is preserved.
6. On cach passenger deek three saffety lamps to be lit at dusk, and kept burning all night, and such further number as shall allow one to be placed at each of the hatchways used by the rassengers.
7. No naked light between deek or in the hold to be allowed at any time or on any account.
8. The passengers, when dressed, to roll up their beds, to sweep the deeks (including the space nuter the bottom of the berthis), and to throw the dirt overboard.
9. Breakfast not to commence till this is done.
10. The sweepers for the day to be taken in rotation from the males above \(1 . t\), in the proportion of 5 for every 100 passengers.
11. Duties of the sweepers to be to clean the ladders, hospitals, round houses, and water-closets, to pump water into the cisterns or tanks tor the suphly of the water-closets, to sweep the deeks after every meal, and to dry holy-stone and serape them after breakiast.
12. But the occupant of each berth to see that his or her own berth is well brushed out; and single women are to keep their own compartment clean in ships where a separate compartment is allotted to them.
13. The beds to be well shaken and aired on deek, and the bottom boards, if not fixtures, to be removed, and dry-scrubbed and taken or deek, at last twice a week.
14. Twe days in tho week to be apmointel the master as vashing days, but no ellued any account to be washed or dried between deed
15. The compers and cooking ressels to cleaned every day, and the eisterns hept if with water.
16. The seuttles and stern ports, if anv, kept open (weather permitting) from 7 .a., th, B.m., and the hatches at all hours.
17. On sunday the passenters to be mater at 10 A .3 st , when they will be expected to ape in clean and decent apparcl. The day to be" served as religionaly ats ciremmstances will alut
18. No spirits or suupowder to be taten Goard by any passenger. Any that mar b covered to be taken into the custody of the till the expiration of the voyage.
19. No loose hay or straw to be allowel bela
20. No smoking to be allowed between deta 21. All immoral or imlecent acts or cond improper liberties or familiarities with the fen passengers, blayphemous, obscene. or inderent guag', or language tending to a breach of peace, swearing, gambliug, drunkenness, tiphi disoderly, riotous, quarrelsome, or insubordii eonduet, and also all deposits of filth or often aets of uncleanliness in the betreend deess, strietly prohiliited.
22. Fire-arms, swords, and other offensive pons, as soon as the passenfers embark, placed in the custody of the master
23. No sailors to remain on the passen, it among the passengers, except on daty.
24. No passenger to go to the sliji's cookh withont npecial permission from the masiter: to remain in the forecastle among the silioss any account.
- Otfences at Sea Punishable in the Colonies Fornnerly offences at sea might, memer the \(11 \& 12 \mathrm{Wm}\). III. c. 7, be tried in any colt and were to be dealt with according to the o law, and the method muld rules of the didmin and subsequently (under the to Gea. III. int), according to the common course of the of this realm, applicalle to like ofeness mitted on land. But now, by the 12 d 157 c. 96 (18:19), these offences, whea dealt mith a colony, ure to be tried accorliag to the la the colous, but punished according to the la Eugland.
The Act of Vietoria which was pased in gust 18.19 for the prosecation and trial in colonies of offences committell within the jinis tion of the Admiralty, provides that all sons charged in any colony with pitac, fit nurder, 'or other oilence, of what nature or soever,' committel on the sen, or witini the miral's jurisdicticn, may be bronght totrialin same manner, according to the laws of the as if the olfence had been committed on within the local juristiction oa the criminal as of the coliony, and upon conviction shall suff same punisliments as they wonld hare beta to hat the offence been committel, triel, alil udsed in F -land.
Where death ensues in a ealony frovan in inflicted at sea, the offence, whethier materen, slanghter, or accessory before or aturtide int be denlt with in the colony as if it had bert committed there; but in the conressectse, of death ensuing at sea frem an injury indity the colony, the offence shail be hell tobree wholly committed upon the sea.
The jurisdiction of the Sapreme Curts of South Wales and Tasmania, as estalitited to Gco. IV. c. 83, is left intact.

Exclusive of the statates and egrulations
reek to be appointel lays, hut no eletites d or dried between tipechas cooking vessels to the cisterns kept f:
stern ports, if anv, nittins) from 7 A.M. t) all hours. asserifers to be muster will be expeeted to appe arel. 'The day to be of circuonstances will atm mpowder to be taben r. Ally that may be , the custody of the mat ic voyage. atray to be allowed belo e allowed between dein' indecent acts or condur imiliarities with the tems 1s, obscenc, or indereat la ending to a breach of linis, crunkenness, bightis arrelsome, or insuborlins deposits of tilth or ofteno in the between decks,
ds, and other offensive w passentrets embark, w of the master. main on the passen th \(^{3}\) , except ou duty. o go to the ship's coothor ission from the matte, castle among the sailos
'unishable in the Colonies, at sea might, ander the. \(\rightarrow 7\) be triel in any culy with according to the and rules of the dimina nuder the 16 Geo. \(1[1\). common course of the cable to like ofiences it now, by the 13 \& 13 d fiences, when dealt mith ried according to the lam hed aceording to the br
ria which was passed in brosecution and trial in ommittel within the jur alty, provides that all y colony with piract, it ience, of what nature of on the sea, or withia the may be brought to trial liner to the laws of the a d been committed on soliction on the criminal pon conviction shall suff s they would hare beta cen committed, triel, inal
les in a colony from sal flience, whether matuer. ry before or aflur the fact colony as if it hadbention at in the converse esse, a from an injury tamare ace slail be hedd to bare pon the sca. the Supreme Courts of the suia, as established asmana,
\(t\) intact. statutes anil :cgulations
wetel to and int eases to which thes may not modry, the relation letween masters of ships and Hy, ingets is governed by the gencral rules of wiaget law. "Whaterer, ways Lord Tenterden, qundie lan. for the security ot the veased, 'I atenalic of the crew, the malety of all in the diemplate of the crew, the Natety of all wh band the mater may lawfilly require not only It the hip's compaty who have expressly antretel to obey him, thut of those also whom Whas encaged to carry to their dextimation on Werdied combition oi their subuission to his wh med contition of shippiag. part ii. c. 8 , p. 1sio, Bets eq. 1 sol.) Hence in certain cases, such sthe of imminent peril, from whatever cause rime pascenters are to be considered as a wrint of the crew, and mity be called upon to arabate by their exertions to the safety of the (4) anl cargo, Ind in the event of their phata so to act, they make themselves wand to such reasonable punishment as the whan to stch reasomable chose to intlict. A passentrer is apan may choose to intict. A passcnirer is yy beut of danger, but may quit it if he have an manaty; and he is not required to take upon bind mu responsibility as to the conduct of the ship, If he incur any responsibility, and prota extraordinary services in relieving a retel in distress, he is entitled to a correspond-
 nematil suerage ; and their conduet shonded in allese be sum as may be consistent with the gondorder and discipline of the ship. 'They are pot tost a bad cxampte to the crew, or excite a spint of neubortination, but to assist in maintuing the just and proper anthority of the captain The latter, however, in refressing distrit and improper conduct on the part of fasteng should act with much circumspection, and tsercise his authority within the limits raniod bu the exiucucies of the ease. II randat in regard to passongers is always viewed with onsiderable jealousy; and though the conts has will support hin in the exercise ot bis suthonty when circumstances require it, they will not \(t_{0}\) berond what is necessary ; unuch less support him in any wanton or oppressive exercise of bisaothority. (Tenterden, in loco cit.; Holt's Warigation Iatis's, gad ed. p. 4.25 \&e.)
Pasporit (lir. aud Ger., pisseport; Ital. dasporta: Spanish, pasaporte). The use of passFors of safe-conducts is of great antiquity, and To dobt originated during periods of war and ciril commotion.
Initsmodern aceptation a passport is a doenmatisued by the Foreign Minister of any State, moesting that the holder may receive at the ands of for fign Powers such 'assistance and proection' as he may require, during his travels in beit territories.
latbe Cnited States of America and in Engrodteinternal passport system has no existence; ot on the Continent, thoingh now (1863) much odified, it was, until receutly, peculiarly striet odineonvenient. Amexed are our Foreign Oftice rgulations respecting passports.
1. Applications for Forcign Office passports must maly in writing, and inclosed in a cover aulessed to 'The Chief Clerk, Foreign Othee, Lonsa,' with the word 'P'isspont' conspicuously taten on the cover.
2. The charge on the issue of a passport, whatramber of persons may be named in it, is tss.; If it is desired that the passport should be Coypost, that sum must be forwarded with rapplcation for the passport lyy a post-office At, made payable at the post office, Charing Na, london, to the chiet clerk of the Foreign

Othice, Francis 13. Alston, Esq. I'ostage stantus will not be reccived in payment.
3. Furaign Ollice passports are granted only t, llritish-bor'n sulyjects, or to such foreigners at have beeome naturalised either by Aet of l'arliament or by a cortificate of naturalisation gramted by the Secretary of Siate for the IJome Depart ment. When the party is a 'naturalized British subject,' le will bo so designated in his passport : and if his certiticato of naturalisation be dater subsequently to Aurust 24, 1850, and previously to Aufenst 1, ls5s, his passport will bo marked dis good fur one year only ; or should the cortiticat. be dated subsequently to August \(1,18.58\), his passport will in that case be marked as good for six months only, except in cases where a licens. for a longer peniod of residence abroad bas been granted by the Sceretary of Stato for the llome Department : but this regulation will not prechude any jerson whom it affects from obtaining at the Forciral Ollice, at any future time, on his prolheing his old passport, a tresh passport in exchintse for it for a further limited period, without. being reguired t a way a tresh eharge. A Foreigur Olice passport granted to a British-born subject or to a 'naturalised IBritish subjeet' who has berm naturalised by Act of Parliament, or whose certificate of maturalisation is dated previously to Angrast 2 t , \(18 \overline{5} 0\), is not limited in poirt of time, but is avalable for any time, or for any momber of journeys to the Contiment.
4. I'assports are granted to all persons cither known to the Secretary of Sitate or recommended to hin by some person who is known to him; ar upon the application of any Banking Firm established in London or in any part of the United Kingrlom; or upen the production of a Certificate of litentity signed by any mayor, magistrate, justice of the peace, minister of religion, physician. surgcon, solicitor, or notary, resident in the United Kingiom.

5 . It the applicant for a passport be a naturalised Ilritish subject, his certificate of maturalisation, with lis signature subscribed to the oath printed on the third page of it, must be forwarded to the Foreign Oflice with the certifinte of itlentity granted on his behalf; and his certiticate of nitturalisation will be returned with the passport to the berand who may have granted the certiticate of identity, in order that lie may cause such naturalised 1'ritish subject to sign the passport in his presence. The agents at the ontports are not authorised to grant passports to naturalised IMritish sulijects; and such jersons, if resident in London or in the suburbs, should apply personall! for their passports at the Foreign Othice.
ti. l'assports are issnel at the Foreign Offiee between the hours of 11 and 4 on the day following that on which the application for the passport. his becn received at the Foreign Office; but the passports will be issued at the ontports immediately on application, accompanied by the production of a certiticate of identity, within such bours as may be fixed with regard to the convenience of persons desirous of embarking for the Continent.
7. A passport cannot be sent by the Foreign Oflice, or by an agent at an ontport, to a person already abroad: such person, being a British-born subject, should apply for one to the nearest British mission or consulate. A passport cannot be issued abroad to a naturalised British subject except for a dircet journey to England, or in the case of a colomial naturalisell subject for n journey back to the colony where he has been naturalised. Neither can a passport granted at the Foreign Office to a naturalised British sulliject for a limited period
he renewed by her Majesty's diplomatic or comfular agents in foreign countries; but only at the Foreign Olice.
8. The bearer of every passport granted ly the Forrign Office should sign his pnasport ns sum is he receives it; withont such sigmature, either the visa may be refused, or the validity of the pussport questioned nhroad. 'Travellers about to proceed to Russin, Turkey, and Portugal can have their passports visé at the under-mentioned phaces respectively: for Russia, at the Russim consulnte, 32 Great Winchester street; for Turkey, at the 'lurkish embassy, 1 llryanston square; nud for Portugal, at the Portuguese consulate, 5 Jeflirey's square. Travellers nbout to proceed to Austria, Bavaria, Belgium, Denmark, Tho Netherinnels, lirance, Italy, P'russia, Saxony, Spain, Sweden and Norway, or Wurtemberg, need not obtnin the visa of the diplomatic or consular agents of those countries respectively resilent in the United Kingdom.
N.B.-Travellers who may have any intention of visiting the Russian empire at any time in the course of their travels, are particulnrly and carnestly advised not to quit layland without having had their passports vise at the linssian consulate in Loudon.

Model form of Certificate of Ilentity to be writtrn out in full, signed and sealed by the person gicing it ; and also by the person in uhose behalf it is granted.
(1)ate of Place, and Day of Month.)

The undersigned, Mayor of CMagistrate, Justice of the Peace, Ministcr, Physic:'m, Surgeon, Solieitor or Notary, as the case may be), residing at
hereby certities that \(A\). B. (Christian ani surname to be written at length), whose signature is written at foot, is a British subject, Brt, 1 suiject. quires a passport to enable him to proceed to
Continent (accompanictl, as the case may be, by his wife and chiliren, with their wtor, named C. D. (Christian and surname to be uritten at length), a British suhjeet, \(\qquad\) - and
a naturalised British subjecr, and and maid servant [or servants], and man servant [or servants], named E.F., a British subject [or subjects], and a courier, named G. II., a nuturalised British subject).
(Signed)
(With the nsual signature.)
(Scal.)
Signature of the above-named
Fore'rn Office, December 1867.
There are Foreign Office passport agents at liath, Belfast, Birmingham, Dorer, Dublin, Folkestone, tireat (irimsby, Harwich, Hull, Liverpool, Londonlerry, Lowestoft, Manchester, Newenstle-on-Tyne, Newhaven, Queenstown (Cork), Southampton, Swansea, and Weymouth.
The impolicy of the passport system, as impeding the free intercourse of nations for commercial and other purposes, is self-evident, and its abolition would be a great advantage. It is proverbial that those alone of deservedly euspicious character have their passports invariably en règle.
The passport duty was reduced in 1858 from \(5 s\). to Gd .
PATENT. A privilege from the Crown granted by letters patent (whence the name), conveying to the individual or individuals
specified therein the sole right to make, we dispose of some new invention or discovery: certnin specified period.

The power to grant patents seems to exis common law ; but it is limited and defined by famous statute 21 Jas. I. c. 3, which enacts, it any declaration before mentioned shall not tend to any letters patent and grants of in lege for the terms of 1.1 yenrs or nuder, therent to be male, of the sole working or making any manner of new manufactures within renlm, to the true and first inventor and invert of such manufactures, which others at the tim making such letters patent and grants shail use, so ns also they be not contrary to the nor mischievons to the State, by raisiag prices commodities nt home, or hust of trade, or rally inconvenient. The said It years to accounted from the date of the first letetes it or erant of such privilege thereafter to be his but that the same shall be of such force as should be if that Act had never bieen made, none other.'
Poliry of Putents.-The law with respen patents is mavoidably encumbered with se dificulties. The expediency of ghouting pat has been disputed; though, ns it would withont sublicient reqson. Were they refis the inducement to make discoveries would many cases, be very mach weakened; at sume time that it would plainly be for the ine of cyery one who mate a discovery to endear if possible, to conc at it. And notwithstar the difficulties in the way of concealment are not insuperable; mal it is beliered several important inventions have been lost, the zecret dying with their authoms. On ot 18 hand, it is mot casy to devide as to the? for which the patent, or exclusive paivi slould be granted. Some have proposed th should be made perpetual ; but this woud very sreat obstacle to the progress of imp ment, and would lead to the moit perid resulis. 1'erhaps the term of 14 years, to nt the duration of a patent is limitul in lingian as proper a one as could be sugrested. Ita too short for some inventions, and too long others; but, on the whole, it seems a pretty average.

Specifieation.-Previoasly to the reign of Anne, it was customary to graat patents any condition, excent that they siowid to really new inventions. Bat a condition mas intreducel into all patents, and is still rem declaring that if the inventor did not, \(y\) instrument under his hand and seal, denomith a specitic.ation, particularly describe and ase the nature of his invention, and in what ma the same is to be performed, and also cause same to be enrolled in Chancery withinace timse (generally a month), the letters patent, all liberties and advantages whatever be granted, should utterly cease and become This was a very judicious regulatioa. lteg the invention from being lost; and the as the patent expirel, every one was ia a sith to profit by it. The deliverance of the 5 eation is now made precedent to granting letters patent; and they will not be granted less it be distinct and explicit.
Letters patent were formerly obtained petition and affidavit to the Crown, setiog that the petitioner liad, after great labour expense, made a certaia discorer; , whie believed, would be of great public utility; that he was the first inventor. The petition then referred to the Attorney and solic
le right to make, we. rention or discovery, fus
patents secma to exist limited and defined by e. 3, which enacts, 'Th mentioned shall not e tent and grants of prim years or moker, thereaft le working or making manufactures witling first inventor and inveate which others at the time atent and grants shall : e not contrary to the la State, by raising prices or liurt of trade, or 8 d The said la years to te of the first letters ! ite lege thereafter to be lisis. Il be of such force as i Had never been made,
-The law with repect iv eneumbered with ser ediency of granting pat thougli, as it would st nson. Were they refus nake discoveries would, y much weakened; at ald plainly be for the inter de a discovery to cndear in it. And notwithstand way of enacealment, ; and it is believed rentions have been lost, ith their authors. On easy to decude as wo the cut, or exclusive ping Some have proposed tl petual; but this would to the progress of impro cald to the mast perm ie term is hmitul in Eapian fuld be suggested. tt udd inventions, and too long whole, it seems a prety
eviously to the reign of ? ary to grant pateats ril pt that they anonid be is. But a condition wis patents, and is still reta he inventor did not, by \(s\) liand and seal, denomin cularly describe and asio vention, and in what ma crformed, and also cause in Chancery within a cer onth), the lettes patenh lvantages whateret be erly cease and become icious regulation, It tex being lost; and the woun every one was in a silu se deliverance of the \(\$\) precedent to granting hey will not be granted d explicit.
re formerly obtained to the Crown, settiag had, after steat labout ertain discoren, which, of great public utility ; inventor. The pexition ic Attomer and Solic

Gerenh who were separately attended by the mizant and all competitors, if there were any. But it was found that this was a very clumsy and ixoaveaient mode of proceeding; and after 1 grat mair ghortive nttempts at legislation, it ratian mated in 1852, by the l'atent Law Amend wath the \(10 \& 16^{\circ}\) Vict. c. 83, that the Lord aumed the the Naster of the Rools, the AttorneyGaneallor, and the Solicitor-General for Einglinid, band Advocate and the solicitor-General for Futad, and the Attorney-General and the Wiritor-Geacral for Ireland for the time being, rith such persons as may from time to time be Whated by her Majesty, should be commissuats of patents for inventions. The vice of the ken system had been that the law ollicers of incroma were the sole judges of what patents hodd or should not be granted. But, whatever Wit bility as lawsers, these gentlemen might ziare the scientitic or peculine knowledge repind to decide in mumerous patent cases; and of bejag the authority under which patents rea grated, we need not wonder at the numwed them which were overthrown. Now, howمat parties distinguished for their scientitic trinmer:', may be named commissioners of whets and it may fairly be presumed that tio pialoos will have considerable influence in exing whether they should or should not be ravel.
Mode of applying for Patents.-Person.s applyfor etters patent present petitions to the Commisinaers, accompanied by a declaration and a provisional apecification. The object of the hatar is to state distinctly tine nature of the invention; and if properly made, it secures the inremer is his iavention for a period of 6 months, thatemay proceed to apply for and take out letion patent. The application for the letters mast badsertised in the Gazette. Parties who appsethey bave a right to object to the letters weet being issued, may then, if they think tit pomefreard; and their objections being heard ad dexided upon, the letters are either granted or fefosed. The peculiar forms to be observed, and be motire to be followed on applications of this wht ans be learned from the compendious trenbusofliebster and Norman on the new patent law. Fomerly letters patent had to be separately atea ont for Eugland, Scutland, and Ireland. Von, banever, the same patent serves for the thle Caited Kingdom, and the expenses have *an greatly diminished.
Careals used formerly to he lodged at the Wiow of the Attorncy-General and the Solicitormeeal, describiag inventions in general terms od requiring notice to be given to the person otering the caveat, when ?pplication was made sapatent for a like invention; but this practice 4 been abolished, and caveats are no longer loned to be lodged. Those who mean to conat patents, or who are afraid of the encroacheats of others, must, cousequently, keep a atcatul eye upon the notices in the Gazette, as fy sford the anly information in regard to the rims made for patents.
Gevaral Conditions as to Patents.-The novelty A wility of the invention are essential to the Nidity of a patent ; if it can be shown to have da in use previoualy to the grant of the patent, to be of ao utility, it will be void. It must be for something vendible - something aterial and useful made by the hands of man., ad Kenyon, 8 T. R. 99.) A philosophical epple ooly, neither organised, nor capable of opso, is no ground for a patent ; becnuse it is fement and rudinent of science, and which.
till applied to some new production from these elements, cammet, with justice to other inventors, be npplied to the exchusive use of any one of them. In alf patents there is required, in the words of Lord Tenterilen, 'somet hing of a corporeal or substantial nature, something that can be made by man from the matters subjected to his art ant skilt, or at the least, some new mode of employing practically his art and skill.' (Godson On the Law of Patents, p. 81.) I'reviously to Lord Tenterden, it had been ruted that a new process or metholl was not the subject of a patent. But his lordship having suggested that 'the word manufacture (in the statute) may, perhaps, extend to a new process to be carried on by known implements, or elements acting upon known substances, and ultimately producing some other known substance \&c.' (Godson, p. 83), this principle of interpretation has now been adopted.

A patent for a machine, each part of which was in use before, but in which the combination of the different parts is new, and a new result is obtained, is valid. 13ut, in order to its being valid, the specification must clearly express that it is in respect of such new combination or application, and of that only; and not lay claim to original invention in the use of the materials.

A patent may be granted for an addition to an old invention. But the patent must be confined to the addition or improvement, that the public may purchase it without being encumbered with other things. If the patent include the whole, it will be void; for the property in the addition or improvement can give no right to the thing that has been improved. (Godson, p. 71.)
A valid patent may be obtained for an invention 'new in this realm,' thongh it may have been previously practised in a foreign country.
A patent is void, if it be for several distinct inventions, and any one of them fail of originality.
The specitication must be prepared with great care. It should set forth the invention fully and correctly. The terms used must be clear and unambiguous; no necessary description must be omitted nor what is unnecessary be introduced; and the invention must be described in the best and most improved state known to the inventor. If any one of these conditions be not complied with, the patent will be void. Any inaccurate or defective statement, were it even inserted through inadvertency, will vitiate the whole.

An injunction may be obtained for the infringement of a pateui, in the same way as for a violation of the Copyright Aets.

Pricents have been sometimes extended by Act of Farliament beyond the term of 14 years, on the ground that the term was too short properly to reward the inventor.
We subjoin the forms referred to in the Patent Act, the 15 \& 16 Viet. c. 83.

No.

\section*{Petition:}

To Lhe Queen's most excellent Majesty.
The humble petition of [here insert name and address of petitioner] for \&c.
Sheweth-That your petitioner is in possession of an invention for
[the title of the invention.]
which invention he believes will bo of great public utility; that he is the true and first inventor thereof; and that the same is not in use by any other person or persons, to the best of his knowledge and belief.

Your petitioner therefore humbly prays that your Majesty will be pleased to grant unto him, his executors, administrators, and assigns, your

\section*{PATENT}
royal letters patent for the United Kingdom of (ireat Britnin and Ireland, the Channel Islands, and Isle of Man [colonies to be mentioned, if any], for the term of fourteen ycars, pursmant to the statutes in that case made and provided.
And your petitioner will ever pray \&c. No.

Declaration
of
o solemmly and sin the county of
. do solemmly and sincerely declare,
'That I am in possession of an invention for 8 de .
[the title as in petition.]
which invention I believe will be of grent publie utility; that I am the true and first inventor thereof; and that the same is not in use by any otler person or persons, to the best of my knowledse and beliel [where a complete specification is to be filed with the petition and declaration, insert these uords:- and that the instrument in writing under my hand and seal, hercunto annexed, particularly describes and ascertains the nature of the said invention and tho mamer in which the same is to bo 'yerformed']; and I make this declaration conscientionsly believing the same to be true, and by virtue of the provisions of an Act made and passed in the session of Proliament hell in the fifth and sixth years of the reign of his late Mnjesty King Willinm IV., intituled 'An Aet to repeal an Act of the present Session of liurliament, intituled "An Det fire the more effectual abolition of Oaths and Affirmations taken and made in various Departments of the State, and to substitute Declarations in lien thereof, and for the more entire Suppression of volmatary and extra-judicial Oaths and Atfidnvits," and to make other Provisions for the Abolition of nnnecessary Onths.'
A.B.

Declared a
this
before me,
A Master in Chancery, or Justice of the Pence. No.

Provisional Specification.
I
do hereby ileclare the nature
of the said invention for
[insert title as in petition.]
to be as follow
[here insert description.]


Her Majesty is pleased to refer this petition to to consider what may be properly
done therein. , Clerk of the Cominissioners Wakrant.
In humble obedience to her Majesty's command yeferring to me the petition of
, to cousider what may be properly
done therein, I do hereby certify ns follows: That the said petition sets forth that the petitioner
[Allegations of the petition.]
And the petitioner most humbly prays, [Prayer of the petition.]
That in support of the allegations contained in the said petition, the declaration of the petitioner has been laid before me, whereby he solemnly deelar's, that
[Allegations of the declaration.]
That there has ulso been laid before me [a provisional specitication signed and also a certiticate, ] or [a complete specification, nud a certificate of the filing thereof,] whereby it appears that the snid invention was provisionally

\section*{PATRAS}
protected [or protected] from the in pursuance of the day That it appears that the said applicatiunt duly advertised.
Upon consinleration of all the matters afores and ans it is entirely at the hazard of the betitioner whether the said invention is bew will have the desired suecess, and as it nay reasonable for her Majesty to pincourage all and inventions which may be for the puthe ator I mm of upinien : that her Majesty may gratit royal lettery pitent mito the petitioner, executors, administrators, and assigns, for said invention within the linited Kinydun (ireat Initain and Ireland, the Chanef ins aml Isle of Man [ colonies to be mentioned, if an for the term of fourteen years, according to statute in that case made and provided, if Majesty shall be gracionsly pleasel so to do the teror and elfect following : viz. :-

Given undir my hand, this A.1.

Seal of the Commissioners.
The letters patent are then issued.
The schedule of fees chatged on ar or taking out letters patent, in the 15 diving c. 83, has been repealed, and the folloni stamp duries have been imposed in their ? \(16 \& 17\) Vict. c. 5.

\section*{Schedule of Stamp Duties.}

On petition fir prant of leters patent
In certiticate of recurd of notice to proceed
In warsant of haw officer for letters patent
tinuprecitication
On the letters phtent, or a duplicate therev, the for
the explration on the third year
On the expletition of the third year
the expiration of the seventh year thereof, befor
On ceruhticate of record of notes of oljec
In certificate of every sears \(h\) ind inplection
In certificate nf entry of assignment or dicense
On application for disclaimer
In caveat against disclaimer
By the 22 Vict. e. 13 , the Sceretar for enabled to avai] himself of, and keep secret, invention for improvements in instraments munitions of war.

The reader will find a great deal of eurions instructive information with respect to patents the Report of the Conmittee of the Howe Commons on that suloject (No. 332 , Sess, 18 particularly in the eviclence and papers laid be the Committee by Mr. Jiarev. The treatiseop Law of Patents and Copyrights, by Mr. Gol and the late treatise on the Lau of Patent Mr. Norman, are clear and able. The important Report, however, on the subjeat patents is that of the House of Commons' \(\}\) mittee of 186.4 , of which Lord Stanley chairman.
PA'TRAS or PATRASSO. A seaport in NW. corser of the Moren, near the entrane the Guif of Lepanto, lat, \(38^{\circ} 14^{\prime} 20^{\prime \prime} \mathrm{S}_{1}\). \(21^{\circ} 46^{\prime} 20^{\prime \prime}\) E. Population in 1860, 18,312.
'The port lies a little to the northwand of town; but the part fronting it is unsaf exposed to heavy seas, particularly in wis Vessels, therefore, go a little farther up the where there is n mole or quay, and whon can lie close to the wharf. There is a lifherf on the mole, whieh gives a fash etery minntes. It is 55 feet above ligh-mate as and is visible for 7 miles. It was bilt in and much improver' in 1864. Patas bath
 The tomafe \(x_{0}\) : 137 bhite cosi . 76


\title{
\(+\)
}
- said application "e
the matters aforesai te hazard of the sa \(d\) invention is new ess, and as it ray to) rnemurage all ar be for the publie pom Majesty may grant o the petitioner, and assigne, for e United Kioudm d, the Chanind lsla to be mentioned, if a years, according to de and protided, it 1 sly pleased so to d wing : viz.:nd, this
then issued. elarged on applying tent, in the 15 d 66 aled, and the folleri a imposed in their ste
' Stamp Duties.
rs patent
ofice to proceed

13, the Secretary for Ta iself of, and keep secteth ennents in instrameats
d a great desl of curions on with respect to patents Committee of the hes lloject (No. r. liarey. The treatiseo Copyrights, by Mr. Gaw on the Laur of Patate lear and able. The howeser, on the sugas which Lord Stadey
rRASSO. A seapert in Niorea, near the estrix o, lat. \(8180^{0}, 18,3\). ttle to the nothwatio to fronting it is arsate seas, particulat! in \({ }^{2}\) o a little farther up tur ole or quay, and wber wharf. There bas ind h gives a tash dex fect abuve lugh-wid miles. It was buir 2 al in 1864. Pattablat 2. anter ber matd dor loritis es
and of 257 other fareign vessels 17,826 tons. The prineipal exports are currants, oil, valonia, the priaw silk, raw cotton, grain, wool, s'ians, ax te of these, eurrants are by far the most mortant The fruit is larger, and freer from and and gravel, than that of the Ionian Islands. Ther are shipped in casks of varions sizes; but the weicht of the eask is included in that of fornit, it is said to be, for the most part, the frit, and stronger than necessary. Moren hatief and streferred in most countries, except carsits afe preferred he currants of Zante are held Copland; but herhaps greater, estimation. The a con cortants from l'atras may, in good spond average from 150,000 to 200,000 ewt. arat llitherto the produce of the erop has wel extemely in different scasons. But within the last few years it has been found that, droug the julicious application of sulphur in thecultivation of the plant, the attacks of blight sobliated, and the security of the erop greatly incrased. The entire annual produce of curruts in Greece may be estimated on the average about 50,000 tons: but though the shipments de cunants from the Morea in 1867 reached R, fiju tons, being 7,647 tons in excess of those -1867 .

Imports from Greecc into the United Kingdom, 186.1-1867.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Anicls} & & \multicolumn{4}{|c|}{Quantities} & \multicolumn{4}{|c|}{Computed Real Value} \\
\hline & & 1861 & 1865 & 66 & 1867 & 1186.4 & 1865 & 1866 & 1867 \\
\hline & & no & 56 & \({ }^{390}\) & 215 &  & \[
\frac{\boldsymbol{x}}{8.967}
\] & ¢
8.391
8.715 & \(\underset{1,152}{1,15}\) \\
\hline Eativar & & (3,786 &  & 317,138 & (15,321 & (1,763) & 595,1073 & 5Siliol & 666,6979 \\
\hline Trual. cmas : & & \({ }^{586,310} 688\) & \({ }^{6} 100036\) & 34,410 & 7, \({ }^{\text {7, }} 1.297\) & 51,027 & 5,1,433 & Si, & 641,714 \\
\hline Leulswandeet: & - inns & & & & & & & & \\
\hline  & : cwt & 6,919
6,541 & 2, 2,598 & 1,378 & 712
100 & 17,569 & 5,719 & \({ }^{2} 81895\) & 1,60\% \(1 \times 1\) \\
\hline  & &  & (6,693 &  & -34.5 & (11,073 & \% \(7,6,596\) & \({ }_{\text {19, }}^{19}\) & 180
30,555 \\
\hline ye : & : ib. & 137.366
\(3 \times 8,516\)


S & 114,248
41,049 & 186,336 & - 6122,791 & 13,6640 & 25,306 & 19,544 9 & 30,535
10,535 \\
\hline ITame ummunuatured & cwi. & 27, 2714 & 16,149 & 6,610
2,64
20 & & 35, & 14,709 & cosk & \\
\hline thea & tons & & & & & & & & 26,809
1,167 \\
\hline Mowercich & \[
\begin{aligned}
& \substack{\text { palis. } \\
\text { value }}
\end{aligned}
\] & 10,431 & 42,738 & 32,063 & 12,574 & 19,851 & 4, 20,267 & 13,2,29 & 1, 1,1003 \\
\hline & & - & - & - & - & 711,535 & 795,469 & 6;3,963 & 885,743 \\
\hline
\end{tabular}

Exports to Greece of the Produce of the United Kingdom, 1864-1867.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Articles} & \multicolumn{4}{|c|}{Quantities} & \multicolumn{4}{|c|}{Declared Real Yalue} \\
\hline & 1864 & 1805 & 18 & 1867 & 1861 & 1865 & 1866 & 1867 \\
\hline & 152 & 13,513 & 11,664 & 5,543 & \({ }_{\text {¢ }}^{1021}\) &  & \(\underset{\text { ¢, }}{\substack{169}}\) & ,609 \\
\hline Tyut med hatedsstiery : value & 92, 68 & & & & 11:94 & 14,523 &  & 11,414 \\
\hline  & 22,468 & \(\underset{\substack{37,853 \\ 2,010}}{ }\) & 58,919 & 56,2,236 & 11, 17.481 & \({ }_{1 i}^{2} 1, \times 350\) & 23,991 & 36,236
f,073 \\
\hline  & & 94, 9 , 446 & 44i,237 & 1,188,660 & \({ }^{43,6,67}\) & \% \(2,4,458\) & & \\
\hline  & 7,219,761 & 12,169,890 & 0,308,272 & 12,900,906 & 192,211 & \({ }_{\text {2 }}^{293,387}\) & 211,1035 & 26,469 \\
\hline  & & - &  & & 4,1,149 & (\%,936 & - & \({ }_{\text {4, }}^{1,575}\) \\
\hline minerde and poretain : ib. & 588,750 & 493,367 & 556,081 & 519,375 & 15,912 & 14,087 & 14,751 & 12,446 \\
\hline Wrane and cutiery, unenu- cwi. & 1,509 & 1,251 & 1,193 & \({ }^{2}\) & 7,370 & 6,013 & 5,857 & \%,990 \\
\hline -maokh and unwrought - luys & \({ }_{4}^{1,783}\) &  & 370, 3010 & - \(\begin{array}{r}2,638 \\ 26,3,1911\end{array}\) &  & 28, \(\begin{aligned} & 28,16 \\ & 40,16\end{aligned}\) & 20, 21.884 & 21,427 \\
\hline an, rfinell & 49,050 & & \({ }^{3} 1135\) & 3,172 & 1 , & 876 & \({ }_{2} 283\) & 5,992 \\
\hline baspought : & 8821 & & 36.5 & & 4, 4,0363 & 2,996
8,395 & 2, 2,436 & (8193 \\
\hline maxem, metered by the yard: - value & \(\overline{5,63}\) & 513,321 & 557,923 & 271,604 & 27, 4109 & 32,192 & - 3 3, 2,31 & 15,700 \\
\hline maricles at ralue : value & - & = & = & = & 4, 1,5962 & 3, 1, 2.2515 & 1.352
29,391 & \\
\hline Trucks & & & & & & & 17,643 & \\
\hline Tous & - & - & - & - & 33, & \(3 \times 2\) & \$17,64.3 & 514,686 \\
\hline
\end{tabular}

Setreen 185y-63, the trade of Grecee was as | Money, Weights and Mcasures.-The follow-ams:- \(\quad \begin{aligned} & \text { ing are the } 1 \\ & \text { moneys, \&c.:- }\end{aligned}\)
\begin{tabular}{|c|c|c|c|c|}
\hline 100 & lepta & equal to & 1 & drachma \\
\hline \(2 \cdot 12\) & drachmas: & & 1 & ¢ stering \\
\hline 2,123 & Venethan lb. & " & 1 & ton \\
\hline 400 & drams & " & & oke \\
\hline 1 & oke & " & 2 & lb. \\
\hline 1 & kilo & " & 1 & burhel \\
\hline 1 & pik & " & 253 & inches \\
\hline & dic. for cinth, & . & 27 & inches \\
\hline 32 & stremma & ", & 1 & acre \\
\hline
\end{tabular}

The paper circulation of the Greck National Bank on Dec. 31, 1867 (Old Sityle), was 20,127,435 drachmas. The specie in the cotfers of the bank
and its branches, was \(0,505,722\) drachmas, and the debt due to it by the Goveriment \(9,521,943\) drachmas.

Tariff-In February 1867, the duty on all articles of export was abolished, except on valonia, raising (incluling eurrants), and tigs, and it was to ecase on these also on Out. \(5,1867\).

On the other hand, the duties on almosi every article of import have been increased. The basis of the tariff, supposel to be 10 per cent. ad valorem, is in reality on many articles a great deal higher. Thus:-


In addition to this there is nbont \(\frac{1}{2}\) per cent. town dues, and \(\frac{2}{}\) per cent. mole dues. (Mr. Comsul Ongley's and Mr. Consul Martin's Reports of April 24 and June 9,1868 .)
font charges in tile kingdom of gleesce. Tonnage.
In the Ports of Patras, Syra, Nauplia, Piraus, Marathonensis, Pylos, Calamata, and Navarino.


Lighthouse (only uhere there is one).


Observations on the Tonnage Duty.-1. Vessels arriving from abroad loaded, and which discharge their cargoes, and depart loaded, pay the whole duty.
2. Vessels arriving from abroad loaded, and which depart in ballast, pay two-thirds of the duty, which is also exacted if they arrive in ballast and depart loaded.
3. Vessels arriving from abroad in ballast, and departing without lading, or arriving and departing witl: cargo, and not discharging any ot it, pay one-third of the duty.
4. Vessels arriving from and going to another port of the kingdom pay but one-half of the duty.
5. A vessel is considered as loaded, whether sbe be so fully or partially.
Exceptions.-1. Every vessel forced to enter a port, either by a storm or in consequence of damage, is exempted from all charges during 8 days.
2. Every vessel entering a port, from whatever cause, and destined to another port, and the master of which shall immediately make a declaration to the captain of the port, that he lias no intention either of loading or discharging his foods, may remain 5 days without paying any duty except the lighthouse duty. Ile is permitted also to receive or to deliver letters or
money, untess otherwise provided for ber recial ordinances.

In 1867 a now tax, called mole dues of 10 lepeas (is shilling ner ton, was imposal an all
vessels entering thi art, vessels entering tll orr.

Quarantine.- Vroun the Board of Trale notio of Sept. 3, in the London Gazette of Sept. 4, 1mik, it appears that a steamboat or morchiunt veewh, whatever its nationnlity or port of "lippartare, if not required, on entering a frreek port, to have bill of health visé by a Greek or other censuly unless cholera or other infections divease is prev lent on the Mediterranean coant. If elimphab prevalent, and there is no Greek or any foreig consul at the port of departure, the Graek autho rities will aseertsin the sanitary covalition of tho port, and take such steps with regande to guatar tine as seem to them best ealeulannurum pramel the public health. The eertiticate of a m merchant (ireek or foreign, at the pert of departume, won influence, though it would not bind, the uumanti authorities.

Commerce, Shipping \&c,-The Greekr particularly distinguisbed thenselves by the und success with which they have engaged haval and mercantile enterprises. Their con merce, next to their freedom, was the source of the prosperity of Athens, Coninth, other Greek cities of antiquity. C'est, an reat à cet exprit de eummerec, qul s'empara de la granule partix: des bahitans de la Grèes, que peuples ont été redevables de ce degré de puit sance et de ooneidératíon clont ils ont joui pendiv quelques siecles. Une nation commergante es ell général, une nation active et industrien Le trafic maritime surtout exige beaucoup zravail, de hariliesse et de sagacité. C'e qualir iutluent sécessairemeut sur les mœurs, et rendes les espritu plus propres aux "randes entrentio (*oguet, De l'Origine Lus Loix ete. iii, 1 find in these respects the modem Grecks h been no unsuccessful imitators of their illusti: progenitors. The great articles of export fr Guecee consist of currants, silk, figs, nool, ol oil, salonia, wine, sponge, wax, tobacco de; prisicipal imports being manufactured cottons woollen goods, corn, with a great variety of s: ordinate articles, principally from luyeland, b partly, also, from France and Gemany, mercartile navy of Greece was in \(186.0^{2}\) enimat at 4,452 vessels, of the aggregate lunden 262,531 tons, employing 24,672 seame. Greeks lhave, in fact, attained to the diem of being the carriers, factors, and traders of Levant.
We borrow from Mr. Consul Merlin's last port the annexed table, showing the trade atif Piræus in 1866 and 1867 :-
\begin{tabular}{|c|c|c|c|}
\hline - Entered & Total No. of all Vessels, including Cloasting Trade & Tolal Toooage & Tot! ! \(1=\) of Cuy \\
\hline & & &  \\
\hline 1867 & 5, \(1+2\) & 39\%,127 & Weme \\
\hline Cleared \(1 \$ 60\) 1447 & 5, 316
3.760 & 390.884
\(3 \times 7.125\) & \[
\left[\begin{array}{l}
\| 2 \times 2! \\
{[1, y i t}
\end{array}\right]
\] \\
\hline
\end{tabular}

It is expected that the railway frem the tha
to Athens will be completel this year, 1804.
We avail ourselves of this opportanity observe that the prejudices entertained in country against the Greeks are alike unmssuly and ill-founded. It was not to be expected they should be trodden under foot, and subjicy for centuries to the brutal tyranay of the luff without contracting many of the rines incile to so degraded a state. But their enemp
ed mote dues, of 10
, was imposed on all

Board of Traile motico azefte of Sept. 4. In'x, at or morchunt vesul, \(r\) port of departure. Greek port to haves ireek or other corsul, ctious disease is preva eomat. If chelara bo Greek or any foteis ture, the Groek autho nitnry comblituoa of tha with regaud tw quarant enleulauncon promot ertifiente of aw merchant ort of departure, wonla root bind, the quamentix
co-The Greekr Ithemelves by thennit thew have engaged aterprises. Their recdumb was the gra of Athens, Corinth, sul/ iquity. "C"est, an res qui s'empara de la ph ios de la Greece, que oles de ce degré de pu dont ils ont jeui pendan nation commercante ent aetive et industries rtont exige benucoap d de sngacité. Cesqualita sur les mocurs, et renden 3 sux crandes cutreprises des Loix etc. \(\mathrm{iii}_{1}\) löi. the modem Grecks itators of their illustrion t articles of export fon ants, silk, ligs, nool, din ge, wax, tobace de.; th - manufactured cotton at th a great variety of sibl ipally from buepand, bo ce and Gerrenew, It ece was in 186, esilat he aggregate lindea ng 24,672 seame. itained to the dimineta acters, and traders of

Consul Merlin's last showing the trade at 7 :

\section*{Total Tonnage}

Tond hime

\section*{T}
\(390,8,6\)
392,127
390.854
e railway from the Pix letel this year, 1869 , of this oppartaraty dices entertained eks are alike uareasona as not to be expected t under foot, and suber tal tyranay of the lu sny of the rices any But theit en

Heanity, sud activity havo not heen impaired sinthe bud habits that were forced unon them in thenemstod condition are gradually disuppearis: INtatever there is of iodustry or inprovegett in 'furker, is wholly owing to the (ireoks, aif aot to them, to some Christian tribe. 'lhe arts have not mole, aut we believe we may whly aftim never will make, the smallest suance, Their character and their religion are suance Thble obstacles to their progress; and their abin from liurope would be more for the dranage of this quarter of the world than anywint else that appears possible. Neither have ve any doubt that eventually they will be metied. The Greeks are getininforery day ma the Turks: and, as the antipathy between is aces is etromy. decp-rooted, and nll but praticable, the presamption is, that sw som us abrintins rain the ascendeney, the l'urks whemslyes withdraw to Asin. The seltishof some of the Christian lowers, and tho miemble jealonsies of others, may ritard for a tmertas desirable comsummation. But in whatnerway it may be bronght about, whother with on mbout Kussian nssistance, it will be most footicul; and we hardly think that it is likely the bing delayed.
If is deeply to be ragretted that Candia, or C (mo, was not cither added to the new kingrdom - elitiones, or made independent. We cannot help condeng it as diacracefinl to the Cluristian nanow di furope, that this famous island, where Furchesa civilisation tirst struck its roots, slooulil be cusimed to the barbarians by whon it is por \(12 i\) waste. It is as well entitled to the framethe consideration of Engiand, France, and Rumid as any part of Continentai (ireece; and ve so hope that measures mav yet be clevised for reving it from the atrocious stespotism by which thaibien so long weighed down.
PATTERAS. Specimens or samples of commounis, transmitted by manufacturers to their conopodents, or carried from town to town by uspelles in search of orders.
PARNBROKLILS AxD PAWNBROKING: 1 parbbroker is a species of banker, who adnas money, at a certain rate of interest, upon sentry of goods deposited in his hands; linvine wiee to sell the goorls, if the principal sum and te interest thereon be not paid whithin a specilied
1. idrantuges and Disudvantages of Paun-Inding,- The practice of impledging or pawning aks in order to raise loans, is one that must marily always exist in civilised socicties, and sin maris cases, protuctive of advantage to the Whties, But it is n practice that is extremely whe to abuse, By far the largest proportion of he bona fule borrowers of money on pawn consist Githelowest and most indigent classes; and were the lenders not subjected to nuy species of regulaion, adrantage might le taken (as, indeed, it is cwionaliy taken, in despite of every precaution) weir necessities, to subject them to the most merous extortion. But, besides those whose rats compel them to resort to pawnbrokers, there Monther class, who have reconrse to them in Per to get rid of tho property tliey have unwunt acqurea. Not only therefore, are pawn onem lntrumental in relieving the presslug do arent necessities of the poor, but they may even without intending it, heeone llio teficient allies of thieves and swindlers, by onding them realy and convenient outlets for dispooal of their ill-gotten gains. The policy cing legislative protection to a business so the to abuse, has been doubted by matiy: Hut
though it were suppressed by law, it would alway's renlly exist. An individuml possessed of property which he may neither be alle nor willing to clispose of, mny be reducel to a stato if extreme difiliculty ; nud in such case, what can be more convenient or ndvantageous for him than to get a loan upon a deposit of such property, under condition that if he repay the loan, and the interest upon it, within a certnin perlol, the property will be returbed? It is said, indeed, that the ficilities of rnising money in this way foster bahits of imprudence ; that the first resort for aid to a pawnbroker nlmost always leals to a seconul, nud that it is impossible so to regulato tho business, as to prevent the igmorant and the necessitoms from being plundered. 'That this statement, though exaggerated, is, to a certain extent, truc, no one ean deny. On the other hand, however, the eapneity of obtaining supplies on deposits of grools, by allording the means of meeting pressing exigencies, in so far tends to prevent erime, and to promot the security of property; and it would seem an if the desire to releem property in pawn would be one of the most powerful inotives to industry and ecomomy. At the same time, too, it must be borne in minul, that it is not possible, to what you will, to prevent those who are poor and uninstrueted from horrowing; and that they must, in all cases, chluain leans at a great sacritice, and be liable to be imposed upon. lhat the fair presumption is , that there is less chance of nuy improper alvantage being taken of them by is licensed pawnbroker, than by a privato and irrespomsible individual. Although, however, the business had all the inconveniences, without any purtion whatever of the gool which really belongs to it, it would le to no purpose to attemplt its suppression. It is visionary to imagine that those who have property will sulmit to be reducell to the extremity of want, without endenvouring to raise money upon it. Any attempt to put down pawnbroking would merely drive respectable person finom the trade, and throw it entirely into the hande of those who have neither preperty nor character to lose. And hence the object of a wise Legivlatare ought not to be to abolish what must always exist, but to endeavour, so far at lenst as is possible, to free it from abuse, by eoncting such regulations as mny appenr to bo best caleulated to protect the ignorant and the unwary from becoming the prey of swindlers, and to facilitate the discovery of stolen property.
2. Obligations under úhich Paunurokers should be placed.-For this purpose it seems indispensable that the interest eharged by pawnbrokers should be limited: that they should be obliged to pive a receipt for the articles pledyed, and to retnin them for a reasonable time before selling them; that the sale, when it does take place, should be by public nuetion, or in such a way ns may give the nrticles the best chance for being sold at a fair price; and that the exeess of price, if there be nay, nfter delucting the amount advanced, and the interest and expenses of sale, should be paid over to the origimal owner of the goods. To prevent pawsbrokers from becoming the reeeivers of stolen goouls, they should be liable to penalties for making alvanees to any individual unable to give a satisfactory acconnt of the mode in which he beenme possessed of the projerty lue is desltgns to pawn; the oflleces of fullue shonid at all times lave free necess to Their premises; and they should bo obliged carefully to describe and advertise the property they offer for sale.
3. Law as to Pawnhrokers.- It ma* upenr singular that pawnirokers should laritio linvo
been named in any legislative enaetment till after the midide of last eentury. It was enacted by tho 30 Geo. II. c. 24 that a duplicute or recelpt should be given for gools pnoned; and that such as were pawned for any sum less than 10, might be recovered any time within two years, on puyment of the principal null interest ; but the rate of interest was not tixed. This defect was supplied by the 25 (Gco. III. e. 48 : but the Act 39 \& 40 (ico. III, \(\mathrm{c}, 99\) (though slightly motithed by subsequent Aets) coutnins tho laiest and most complete rerulations on the subject.
Every person exercising the trade of a pawnbroker must take out a license, renewable numually, 10 days at least before the end of the year, for which lie shall py, within the eities of London and Westminster and the limits of the twopemy prist, 15l, and a verywhere else, 7l. 10s. No person shall keep more than ! humse by virtue of I license; but persons in parthership need only take out I license fur 1 house. All persons receriving goods hy way of pawn or pledre for the repayment of money lent thereon, at a liigher rate of interest than \(\overline{\mathrm{j}}\) per tent., to be deemed pawnbrokers.

Upon every pledge on which there slall have been lent not exereling es., ©id., interest may be charged at the rate of \(\frac{1}{3}\) d. per month.


And for every sum exceding tos, and not exceeding 10l., at the rate of \(3 i_{0}\), in the pound by the ealendar month, induding the current month; and so in proportion for any fractional sum.
l'awnbrokers are to give farthings in exchange.

Persons applying to releem goods pawned within 7 days atter the tirst calendar month after the same shall have been pledged, may redeem the same without paying anything for the lirst 7 days; and, upon applying before the expiration of it days of the second ealendar month, shall be at liberty to redeem such goods, upon paying the protit payable for 1 calentar month and the half of another; and in all cases where the parties so entitled, and applying as aforesaid, nfter the expiration of the tirst \(1 \cdot t\) days, and before the expiration of the second month, the pawnbroker is allowed to take the interest of the whole second month; and the same regulations fond restrictions shall take platee in every subsequent month.

When grods are pawned for more than 5s., the jawnbroker, before advancing the money, shall immediately cuter in lis books a Ileseription of the pawn, the money lent thereon, the day of the month and year, the name of the person pawning, and the name of the strect, and number of the house. if numberel, where such person resides, unil nse of the letter \(L_{\text {, }}\), if the person be a lodger, and the letters II K, if a housekeper; and also the name and abode of the owner of the party offering such pledge; and if the money lent shall not exeeed 5s., such entry shall be made within 4 hours after the goods shall have been pawned; and the pawnbroker shall, at the time of taking the pawn, give to the person so pawning a duplicate, corresponding with the entry in the book, which the party pawning shall take in all cases; and the pawnbroker shall not receive any pledge, mless the party so pawning shall receive such duplicate.

\section*{Rutes Payable for Duplicates.}
- If uniter ina.

10, annl under rina.
yin: and upler ardis
Id.
yd.
Id
14
* (2.7 Vi.t. c. 21, A pawnbroker may
memurandum, when the sim to below los.

The dupliente to lie produeed to the broker before he shall be compelled to the respective goods and elatiels, exceps hereinalter exenpted.

The amount of profits on duplicates shall added on pledges redecmed, and sumblytiea shall be kept by the pawubroker for 1 yar
I'ersons pawning wther people's grouls wit their consent nay be apprehended by the warr of I justiee, and convicted in a penalty excecding bt. nor less than e20s., and the value of the goods pawned; and if the forfoit be mot immediately pald, the justice shall eom tho party to the house of correction, to be \(k\) to hurd labour for 3 calendar month; and within 3 days before the expiration of commitment the forfeiture shall not be paid, justice may order the person to be pulld whipped, and the lorfeitures shall be aphijed warts making satisfaction to the party injur anil defraving the costs; but if the party injur shanl cleeline to necept such sntisfaction and on or if there be any overphis, such forfeitured overplus shall be paid to the poor of the paribs.
Persons forging or counterfeiting dupliea may to seized mat ilelivered to a constable, shall eonvey them before a justice; anl, conviethon, such persou shall be committelt house of eorrection for any time nut escee 3 calendar months.
l'ersons offerin: pledges, not giving a ractory aceount of themselves, or the means which they beame prossessed of such goed wilfully tiving nuy false information, of if: shall be reason to suspect that slieh gimio stolen, or illegrally obtained, or if any nerson entated to redeem goods in palfir shall endea to redeem the same, they may be seized delivered to a constable, to be carried befor justice; and if there should appear ground f second examination, they shall be committe the tommon gaol or house of correction dealt with aecording to law ; or where procedings are moi authorised by the nature the ollence, the party shall be committel any time not exceeting 3 calendar nontha,
P'ersons buying or taking in pledge miniai goods, linen, or appurel, intrusted to ethers wash or mend, shall lorfeit double the sum and restore the gonds.

Peace othcers are empowered to searlis unfinished goods which shall be come by ut fully.
When goods are ualawfully parmel pawnbroker is to restore them; and their b may be searehed sluring the hours of heia by a warrant from a magistrate, for the diven of such property.

Persons producine notes or memoradumi to be deemed the owners of the property.

Where tuplicates are lost, the pawaltoket, aftidavit made by the owner of such bash a magistrate, shall deliver another duptictere
Goods pawned are deemed forfotel at the of a year; but on notice from pessons h goods in pledge, 3 months further are allowed beyond the year for redemption; notice to be given before the thelsemontio expired.

All goods pawned may he sold at the exy

\section*{Duplicates.}
duesed to the parm mpelleit to redrive chattels, excep:
in duplicates shall 1, and such duphia: roker for 1 yar.
cople's gownls witheng hended by the warat :ed in a penalty an eos., and the \(1 ;\) and if the forfitur the justice shall commi correction, to be ken lendar montbs: and the expiration of it e shall not be paid, 1 person to be pualic ares wiall be aptimed in to the party ingur but if the part! jajur ch satisfaction and en plus, such furfititares the poor of the pari-h. comterfeiting durpic: vered to a constalle, ore a justice; and, shall be commited th any time not exeen
alges, not giving 4 st mselves, or the meane ussessed of such good, lse information, or if th ipect that stich grols fined, or if any nerson is in pawn shall cadear they may be seizud le, to be carried before hould appear ground rey shall be committe house of correction. to law ; or whert uthorised by the natan y shall be committe r 3 calendar muath . faking in pledge unini el, iutrusted to wher iorfcit double the sum
empowered to search
sualarffuly parneib ore them; and their bu ong the hours of bu: lagistrate, fer the ciim
otes or memoradumis rs of the propett!: e lost, the parnurnos owner of sua dijate. ver ano ther date at the leemed forfeite at an pitice from presios to to nonths furitiar ar ear for relemptiva;
inofore wholo year; and all goods so forfeited, wich above 10s, and not excecting 10l, shant bare been lent, shall be sold by pmblic nuction, and not otherwise; notice of such sale being and piven at least 3 days before the auction, in pulie newspaper, upon pain of forfeiting to the ipner of the gools not more than \(5 \%\). nor less 4.an \(3!\)
ill pictures, prints, books, brumzes, statues, twots, carvings in twory and marble, cancos, mation, musical, mathematical nul phifoanhiiutginstruments, and china, shall be sold by tiemelves, and without other soods, it times walr is every year; vi\%. on the first Monday in Jemary, April, July, and Octofer, in every yar. Parntakers are not to purchase goods while in their custody, nor tako in pledges trom persons oder le vears of age, or intoxicated; nor take in an goeild before 8 in the forenwon or after 7 in the evening between Michalmas-day and Latyday, or before 7 in the forenoon or alter 8 Githe erening during the remainder of the year, cheptiag mily matil 11 on the evenings of Sturday, and the evenings preeding fio, Frday and Christmas-day, ind every fast or thatestiviag dar.
in gecuant of the sale of pledges on which dranes of more than 10 c , have been mate, is ote enterel hy pawnbrokers in a book, nam the anphes is to be paid to the owner of the ads rawned, it demanded within threa years of the whater penalty of 101 , and treble the sur las:
Pamitakers are to place in view the table of pontr: snd their name and business is to be: find sas the door, on penalty of \(10 \%\).
Pandoutere injuring goods, or selling them Wre the time specified, shall, upon application to magilrato, be compelled to make satisfacdinfir the same; and if the satis faction awarded thite efual to or execed the principal and pats, the pawnbroker shall deliver the goods ployed to the favners without being paid anythathor primcipal or prolit.
Randokers shall produce their books before ingivtrate ; or, refusing so to do, shall forfeit a sumbeaceediag 10 . nor less than \(5 /\).
Pasborakers oftending against this \(A\) ct, shall forfit for every offence not less than 40 s . nor are than \(10 \%\).
It bis been held by the Court of King's leneh, tast a parnbroker has no right to sell unrebund pledges, after the expiration of a year that the tiame the goods were pledged, if, while whey are in his possession, the original owner tole hin the principal and interest due. Hidter r. Smith, January 22,1820 .) On a whisp for a new trial, Lord 'renterden said, ' I mof ofinin, that if the pledge be not redeemed 2 the expiration of a year and a day (and no atite given that 3 montlus further ire to be dised frr its redemption), the pawnbroker has
aright to expose it to sale so soon as he enn, misteally with the provisions of she Aet: but if \& any time before the sale has a ctually taken place, heorner of the goods tender the principal and athest, and expenses incurreci, he has a right whis zoods, and the pawnbroker is not injured; In the power of sale is allowel him merely to ectet to bim the money which he has advanced, cether mith the high rate of interest which the allors to him in his character of pawn*he.'
by 22 \& 23 Vict. c. 14 , the provisions of \(2 \& 3\) 4.c. \(11 \mathrm{ss}, 32-35\) arr applicd to pawnacs. The provisions give magistrates power Worl amends against frivolons informations
to the extent of b., anil any premalties to the extent of 101 , un common informers in compomadius informations; with power to lessen the share of informers, and to mitigate penalties. The word magistrato must be taken to inelude stipendiary mayistrates or justices of the preace.
Such is tho present state of the lnw with respect to pawnbrokers. On the whole, the regulations seem to be judicionsly devised. Perhaps, however, the rate of interest on small deposits might be advantageonsly lowered. The law allows interest at the rate of fol. per month to be eharged on lonns of 2s. 6d., which is at the rate of 24 pre cent.: but the same sum of \(3 / 2\). per month is exigible from all smaller loans ; ant avers many do not exceed 1 s , Gil., and even bid., the interest on them is exceedingly upressive. No doulte there is a great deal of tronble with respect to such loans, and the pawnbrokers altege that they form the least protitable part of their business; but still, considering tho vast number of alvances muder \(2 s\), fid., it would seem that the intirest on them michit bo somewhat reduced. Perhaln, too, it misplt be nulvisable, still better to secure complianee with the statute, to enact that no one should be licensed as a pawnbroker without producing sufficient seenrity for a certaln sum, to be forfeitel in the eyent of his knowingly or wilfully breaking or evading any of its provisions. This would prevent (what Colquhoan says is not an uneommon practice) swindle's from becoming pawnbrokers, in order to ket the means of selling stolen poods. Treatise on the Police of the Mitropolis, 2nd ed. p. 156 ; and prioate information.)

It would be a useful regulation to oblige pawnbrokers to insure against losses by tire. Mach mischief has been ocasioned by the negleet of this precantion.
The duties on pawnbrokers' licenses produced, in the United King dom in 1807, 32,1071.
I. Notices of Pawnbroking in Italy, France \& -The practice of advatuing money to the poor, either with or without interest, seems to have been oceasionally followed in antiquity. (Beekmam, vol. iii. p. 14, 1st Eng. ed.) Hat tho first public establishments of this sort were founded in Italy, under the name of Monti di Pieti, in the: 14th nud loth centuries. As it was soon found to be impossible to procure the means of supporting such establishments from voluntary eontributions, a loull for allowing interest to be charged upon the loans made to the poor was issuel by Leo X. in 1521. These establishments, though differing in many respects, have universally for their object to protect the needy from the risk of being phundered by the irresponsible individuals to whom their neecssities might oblige them to resort, by accommodnting them with loans on comparatively reasonable terms. And though their practice has not, in all instances, correspondet with the professions they have made, there seems no reason to cloubt that they have been, spenking geberally, of essential service to the poor.
From ltaly these establishments have gradually spreal over the Continent. The Mont de l'iete' in P'aris, was established by a royal ordinance in 1777 ; and after being destroyed by the Ievolution, was again opened in 1797. In 1804, it obtained a monopoly of the business of pawnbroking in the capital. Lonns are made, by this establishment, upon deposits of such goods as ean be preserved, to the amonnt of two-thirds of the estimated value of all goods other than gold and silver, and to four-liths of the value of the latter. No loan is for less than 3 franes ( \(2 s, 6(c l\) ). The alvances are made for a year, but the borrower may renew
\(3 \times 2\)
the engagement. Interest is fixed at the rate of one per cent. per month.

The Alont de l'idte has generally in deposit from 610,000 to \(\mathbf{6 5 0 , 0 0 0}\) articles, worth from \(12,000,000\) to \(13,000,000\) frante. 'I he expense of management amounts to from 60 to 6 is centimes for each article, so that a loan of 3 france never defrays the expenses it ocensions, nad the profita are wholly derived from those that exceed 5 franes. At an average the prollts amount to alout 280,000 frances, of which only abent 165,000 are lerived from lonus upon ileposít, nhout 125,000 being the prodnee of other findels at the disposal of the cempany.

In some respects, particularly the lowness of interest upon small loana, and the grenter vigilance exercised with rexpeet to the reception of stolen goods, the Mint de Piéte has no ndrantage over the pawnbroking establishments in this rountry, It may be doubted, bovever, whether it in, on the whole, so well fitted to attain its objects. The limitation of the loans to 3 franes would lie felt to be a serions grievance liere, nud it can barilly be otherwise in France; nor is it to be supposed, ihat the servants of a great public establishment will be so ready to assist poor persons, having none but inferior articles to offer in sceurity, ns private individuals anxions to get business. And such, in point of fact, is fonnd to be the case, not in Paris only, but in all those parts of the Continent where the business of pawubroking is contined to a few establishments. And henee, thourh the question be not free from diflicults, it would seem that, were the modificatlons already sugeseded adopted, our system would be the best of any.

For further information with respect to this curious and interesting sulycet, the render is refirred to the Traitd de la Aicnfaisance publique of Degernndo, iii. 1-0̌5; besides giving a suceinct historical notice of Monts de Picte, the learned author has discussed, witb equal sagacity and ubility, most part of the knotty questions connected with the proper organisation of these establishments, and with their in luence on society.

1'EARI-ASII. [Potasir.]
1PEARLS (Dutch, panrlen; Fr. perles; Ger. perlen; Ital. perle; Lat, margaritre; Russ, shemtschug, perlu; Span. perlns \(;\) Arab. looloo; Cing. mootoo; Hin. mootic). Well-known globular concretions found in several species of shell-tish, but particularly the mother-of-pearl oyster (Concha maryaritifera, linn.). P'earls should be chosen round, of a bright translucent silvery whiteness, free from stains and roughness. Having these qualities, the largest are of course the most valuable. The larger ones have frequently the shinpe of a pear; and when these are otherwise perfect, they are in great demand for carrings. Ceylon pearls are most estecmed in lingland.

Value \&-c. of Pearls, - Pearls were in the highest possible estimation in ancient Rome, and bore an enormous price. (' Principium culmenque omnium rerum pretii, margarita tenent.' Plin. Hist. Nat. lib. x. c. 35.) Their price in modern times has very much declined; parily, no doubt, from changes of manners and fashions; but, more probably, from the admirable imitations of pearls that may be obtained at a very low price. Accoriling to Mr. Millurn, a handsome necklace of Ceylon pearls, smaller than a large pea, costs from 170l. to 300l.; but one of pearls about the size of peppercorns may be bad for 151. : the pearls in the former sell at a guinca each, and those in tbe latter at about 1s. \(6 d\). When the pearls dwindle to the size of small shot, they are denominated seed pearls, and are of little value. They are mostly sent to China. One of the most remarkable pearls of
which we lave uny authentie account was hought
by Javernicr, ut Catifin, in ly Tavernicr, it C'atifin, in Arabia, a thinhery famerus in the days of lliny, for the erbormonay sum of \(110,000 \%\). It was jear-sliapued, Fogular, and with. out hlemish. The dianteter was of3 inth ut the largest part, and the loupth froms 2 to \({ }^{2}\) himelicy,
Mr. Emannel say's, in 1865 (Ifiummene P'recious stones), that 'a perfect white ant pearl of 80 to 100 grnins, is worth from 81 to 14. per graill; those of 50 to 80 grilins from \(4!\). Tl. ; those from 30 to 60 krailis from 33 , to th smaller sizes bringing from 20 s, to 60 s, per grain, Misshapen pearls, cilled larrok pearls, ate worth from 10l. to \(200 \%\). per olute, clepending oa guality, colour, and size, l'ink liearls are worth fromi 3s. to 40s. the gralin. Haek and lead-coloured pearls lorint it large prive, when they are of a line shape and good colour. Unbored pearls are called pirgins, worn ones uidous. Ioring is done leet in Intia, for the Inclian borers make the hole sumlier and straighter than the lingliwh, In drillin;er a bow and steel are used with a very line drill, the pearl being held between twe piecers of wood. is anid that the lluest pearl necklaces in cxistenco are, that possessed by the Empress of the French, and that presented to the Quecon by the Eiast Intin Company: The Juke of Abercorn prossussed matehless drop pearl of great size.
Mucli difference of opinion has existed amor naturalists with respect to the production picarls in the oyster; but it secms now to be genc rally belicred that it is the result of discase, andil formed in the sume manner as bezonr [lezzons] pearls, like it, consisting of successive coats sprea with perfect regularity round a furcign nueceus In fact, the Chlnese throw into a species of stell: ilsh (Mytihs cygnews, or swan musele), when opens, 5 or 6 very minute mother-of-peat bece strung on a threal; and in the course of a rea they nre found eovered with a pearly cust, whiof perfectly resembles the real pearl. (Yilbum Orient. Com. ; Ainslie's Mut. Indica; de.)
Pearl Fïshrries. - The pearl oyster is fishe various parts of the world, pailicularly on th west enast of Ceylon, though of late years the fishery here has not been preductive; at Tut corcen, in the province of Tinnevelly, on the cua of Coromandel; at the Imalircin Islands, in the 6 of I'ersia; at the Sooluo Islands; off the cost Algiers ; off St. Margarita, or l'earl lslands io West Indies, and other places on the cosit Colombia; and in the lay of l'anama, in ti South Sen. I'earls have sometimes been found the Scotel coast, in Scotch rivers, and in ratio other places in Einrope.
The peearl fishery of Tuticoreen is monopolisy by the Indian, and that of Ceylon by the Colonite Government. But these monopolies are of 1 value; as in ueither case does the sum for whit the fishery is let equal the expenses incurd guarding, surveying, and managing the banks. is, thercfore, suthicicutly obvious that this systa ought to be abolished, and everyone allomed lish on paying a moderate license duty ? fear of exhausting the banks is quite ludions The fishery would be abanduned as unprofate long before the breed of oysters had bees in) riously diminished; and in a few yearsit ro be as productive as ever. Besides giving fo life to the fishery, the abolition of the monde would put an end to some very oppresire foy lations, enacted by the Duteh more than a tury ago.
Persian Gulf.-The most extensire fisheries are those en the several banks not distant from the island of Bahrein, on the W6 side of the Persian Gulf, in !st. \(26^{\circ} 0^{\prime \prime} \mathrm{S}^{\prime}\), lom
account was hought Arabia, a fishery or tho mormoses sum d, roundar, and withwas 'lis fuelt at the om 2 to 3 ivehes. Stiv) (Jiaminnds fall berfert whito dow vurth from TI. to 11 l . 0 , riains from 4!. lip rains from 3l, to 䲞, eys. to 60s, per graid. rol; pearls, ate worth dependinge on yuality, arls are worth from rek and lead-coloared wlen they are of a tine hored pearls are called Woring is done teat in make the liole sualler :ugliult, !u drlling, a is a vory tine drill, tha wo picees of woud. It 1 necklines in existenco limpress of the Frened, Quecu by the East indin TAbercorn postusces a ent size. lion lats existed amun? to the production it seems now to be gemelie result of discase, and is ner as bezonr [Ilezo.n!] of succeasive cuata spread round a forcign nucleus ow into a specics of sall \(r\) swan muscle), when it ite mother-of-pearl beak d in the course of a rea with a pearly crust, whid e real pearl. (Milbafu' Mat. Indica; de.) o pearl oyster is fishel it orld, parlicularly on th though of late years een jroductive; at 'Jot of 'Timerelly, on the coas Balirein Ialands, in the bue o Islands; off the cost o ita, or l'earl l slands in the ef places on the cosst - llay of l'anama in th c sometimes beea fuend y coteh rivers, and in rasiou

Tuticoreen is monopoliso of Ceylon by the Colunia ese monopolies are of \({ }^{n}\) se does the sum for ward d inannging the banks. - obvious that this syith and everyone allowd lerate license dety. Th banks is quite ladicm abanduned as unprotith of oysters had beta inj d in a few years it wran ver. Besides giving fre abolition of the monapy ome very opprasire teg - Dutch more than a ce
sio 10 Fin but pearl oysters are found alonis the shole of the Arabian connt, and romnd almost nll the buands of the tiulf. Such as aro flshed in tho es, near the Islamls uf Karrak and Corro, contaln parlit aid to bo of a superior eolour and desoriptos. They are formed of \(\mathbb{K}\) layers or folds, whilst abers have only 5 , but tho water ls too deep to abke fisling for then eitler very profitable or easy, Beides, the entire monopuly of the tishery is in the bands of the sheik of llushire, who neems to con, idet these inlands ns his inmedinto pripuerty.
- The flshing season is divlded into two portions -the one called the short and eold, the other the kng and hot. In the cooler weather of the montlt of Jene, diving is practised along the const in salow water; but it is bot until the intensely bor months of July, August, and September, that the llahpein bnuks are much frepuented. 'I'me ritet on then is about 7 fathoms depp, und the dires are mueh inconvenienced when it as cold ; iateal they ean du little when it is not as warm \(y\) the air, and it irequenty becomes even more so is the hottewt montlis of tha suminer. When they dive, they compress the nostrila tifititly with a small piece of horn, which keeps tho water out, and atif their ears with beeswax for the same pupue, 'They attach a net to their waist, to matan the oysters; and aid their deacont by mant of a stone, which they lohn by a ropa athaded to a beat, and slake it when they wish to te drawn up. From what I conda learn, 2 rinutes may be considered as rather above the avertetime of their remaining umler water. Although wore labour, aud very exhansting at the tince ding in unt consilitred partictilarly infandesto the constitution; even old men jractise it dperson usually dives 12 to lij tintes a day wásumblo wenther, but when otherwise, 3 or 4 tias oull. The work is performed on an enpty warch. Whin the diver becones fritigued, lie gestoslecp, aud does not cat until he has slejit umetime.
It Bahrein alone, the anumal amount produced br the pearl fishery may be reckoned at from :Now, to \(210,000 \mathrm{l}\). If to this, the purehnses mode by the llalirein merchants or agents at Ahottabee SLaigh, Lias-ul Klymank de, be shtol which may amount to lialf as mach more, there will be a total of about 300,0001 , or \(360,000 \mathrm{l}\)., lathis is calculated to include the whole pearl rade of the Gulf; for it is believed that all the phampal merchants of Inulir, Arabia, nud Persia, tho deal in pearls, make the ir pureliases, through trois, at Bahrein. I have not admitted in the wore estimate much more than one-sixtly of the tount some native merchants have stated it to be, wa good deal seemed to be matter of guess eropiniun, and it is diflicult to get at fucts. My onpeatimate is in some measure cheeked by the atimated prolits of the simall bonts. But even the sum which 1 have estimnted is an enormous thasal value for an nrticle found in other parts \(d\) the world as woll as liere, and which is uerte used in its best and most valuable state, escept as an ornament. Large quantitics of the veed pearls are usel throughout Asia, in temposition of majoons sr elect unries, to form which all kinds of precions stones are occasionally mixed, after being pounded, excepting, indeed, hamonds; these being consilered, from their ardaess, as ntterly iadigestibl. The majoon, in and there is a large quantity of pearls, is much ught for and valued, on account of its supposed radung nud restorative qualiti's.
The Bahrein pearl fishery boats nre reckoned umount to about 1,500 , and the trade is in the als of merchants, some of whom possess con-
shierable capital. They bear latrd on the producers or fishers, and eve's thone who make the grentest exertions in diving hardly have food to eat. 'I'lic merchnut at vances sonine money to the thehermoen at cent, par cent., nind n portion of ilates, rice, min wther necessury artieles, all at the supplier's own priwe; to also lets a bont to them, fur whidelt leo gets ono aliure at tho griss protles of nll thut is fished: auk, llunlly, lio purchases tho pearls nearly at his own price, for the nuhappy tishermett are generally in his aledt, and theretore at his mercy.' (Monuserint Notes eomomuniected by Fijor I). Milaon, late I'oliticul Resident at IBushire.)

The total usumbur of towna, villnges and hambets vhiteh send luates to the peurl tishery is abont \(1 \cdot 10\), inelading those of lahircia, while the menn mumber of hoatas furnislaed by each is abont 10 . The sunt of thabing versells wetuld therefore egual 5,600 in n!l, Liach boat ow wer has to pay for every boat that. he inan, for the prarl meason, a sum amountJug to flout bos, of linglish money, hesidea a small percentage on the produce seldom exceeding a riul and a half, i.e. nhout \(\mathrm{Hs}_{\mathrm{s}}\); this added to tho bont tax gives 38 s. (I'algrave's Arabia.)

The fishery at \(\Lambda\) lgiers was liarned by an binglish nssomiatlun in 1826 , lut we are iguorant as to the success of this intilertaking,
The pearl tlaheries on tho eonst of Colombia were at one time of very frat value. In 1587, ubsuards ot 697 lb , of penrls are said to have been imported into Seville. Philip II. had one from St. Mnrgarita, whiclt veighed 250 earats, and was valued at 150,000 dollam. lhat, for many yents past, the Colombinn pearl fisheries have been of comparatively litule importance, luring thus monia for joint-stock eompanles, in 1825 , two were formmer-one, on a large seale, for prosecating tho penarl tishery on tho coast of Colombla; and nuotluer, on a smaller seale, for proseculing it in the lany of I'nnama and the I'acille. Buth were almudoned in 1826.
'The best fishery fround is said to be in from ti to 8 fathoms water. The divers continne under water from a minute to a minute and \(a\) half, or at most 2 minutes. They have a sack or baf fastenel to tho neck; in which they bring un the uysters. 'The exertion is extremely violent ; and, contrary to Major Wilson's opinion, it is leclievel that the divers are unliealthy and ghort-lived.

In 1866, we imported pearls of the value of \%1, 8161. chictly from licypt, and in \(1867,38,0061\). worth, ehielly frons St. I'homas.
l'rami. Sirmise, commonly called Mother-ofpearl sholls, arcimported from various parts of the Enst, and consist principally of the shells of the pearl oyster from the (iulf of I'ersia and other places. particularly the Sooloo Islands, situate between lhorneo and the Philippines, the shores of whlelnafford the largest and finest shells hithertodiscovered. On the inside, the sliell is beautifully polished, and of the whiteness and water of pearl itself: it has the same lustre on the outside, after the extermal lamina have been removed. Mother-of-pearl sliells are extensively used in the arts, particularly in inlaid work, and in the manufneture of handles for knives, buttons, toys, snuff-boxes sc. The Chinese manufacture them into beads, fish, counters, spoons \& \(\boldsymbol{*}\); giving them a finish to which Luropean artists have not been able to attain. Shells for the Furopean market should be chosen of the largest size, of a beantiful pearly lustre, thiek and even, and free from stains. Reject such as are small, cracked, or broken or irave lumps on them. When stowed luose as dunnage, they are sometimes allowed to pass free of freight. (Milburn's Orient. Com.)


\section*{IMAGE EVALUATION TEST TARGET (MT-3)}


Photographic Sciences
\(\square\)

In \(1867,36,175 \mathrm{cwt}\) ．were imported，valued at 70，426！．They are used lurgely in lacker and in－ laid work at Birmiagham．［Ifardwane Innus－ Thuss．］

I＇EAS（Ger．crbsen ；Jr．pois；Ital．piselli，pisi ； Span．pesoles，guisuntes；Russ，goroch）．The pea is one of the mast esteemed of the leguminous or pulse plants．It is supposed to be indigenous to the south of Europe，and was cultivated by the Greeks and Romnns，the latter of whom probably introduced it into britain．There are many varieties；but the common garden pea（Pisum sativum）and the commongrey or fiedd pea（Pisum arvense）are the most qenerally cultivated；being reared in large quantities in all parts of the country，particularly in Kent．But since the introvinetion of the di＇il husbandry the culture of the pea as a tield crop has been to a considerable extent superseded by the bean．Sometimes，how－ ever，it is drilled along with the latter；for，being a climbing plant，it attaches itself to the bean， so as to aclmit the ground being hoed；at the same time that the free admission of air about its roote promotes itn growth．It is not possible to trame my estimate of the consunption of peas． The tield pea is now hardly ever manufactured into meal for the purpose of being made into bread，as was formerly the case in many parts of the country；but there is reason to think that the garden pea is now more extensively used than ever．In 1868，the total aereage in the United Kingdom deveted to the cultivation of peas was 297,612 ，and the crop of 1866 occupied 323,184 ， and that of 1867，320，697 acres．（Loudon＇s Ency，of Agricultare；Brown On Rural Affairs，vol．ii． p． 72 ；Agricultural Returns， 1867 and 1868 ．For an account of the lavss regulating the importat on \＆ce．of peas，seo Conn Laws ano Conn Trade．） Leguminous crops are very extensively cultivated in India．In 1867 wo imported \(1,586,129\) cwt．of peas，chiefly from Prussia and North America，of the value of 721,6041 ．

PECK．A dry measure for grain，pulse \＆c． The standard or Imperial peck contains 2 gallons， or \(554{ }^{5} 55\) cubic inches．Four peeks make a bushel，and 4 bushels a coomb．［Wergitss and Measunes．

PELLLTORY．The root of a perennial plant （Anthemis pyrethrum），a native of the Levant， Barbary，and the south of Europe．The root is long，tapering，about the length and thickness of the little finger，with a brownish cuticle．It is imported packed in bales，sometimes mixed vith other roots，from whieh，however，it is easily distinguished．It is inolorous．When chewed，it scems at tirst to be insipid，but after a few seconds it excites a glowing heat，and a pricking sensation of：the tongue and lips，whish remains for 10 or 12 minutes．The picces break with a short resi－ nous fracture；the trans verse section presenting a thick browı bark，studded with black shining points，and a pale yellow radiated inside．It is used in medicine as a stimulant．（Thomson＇s Dis－ pensatory；British Pharmacopceia，1867．）

PENANG，［Singapore．］
PENCILS（Ger．pinsel；Dutch penseelen；lir． pinceaux；Ital．pennelli；Span．pinceles）．The instruments used by painters in laying on their colours．They are of various kinds，and made of varions materials；some being formed of the bristles of the boar，and others of camel＇s hair， the down of swans \＆c
PENCILS，BLaCK JeAd．［Black Lead Pencrls．］
PENKNIVES（Ger．federmesser；Fr．canifs； Ital．temperini；Span．cortaplumas）．Small knives，too well known to need any particular
description，used in making and meading peas． The best and most highly ornamented peaknives are manufactured in liondon and Sheflield．［CUT－ L．ERT．］

PENNY．Formerly a silver，but now a conper coin．This was the first silver coin struck in Eagland by our Saxon ancestors．being the 2 lith part of their pound；so that its weight was abost \(22 \frac{1}{2}\) grains troy．［Conss．］
PENNYWEIGH＇T．A troy weight，being the 20th part of an ounce，containing 21 grains， ［Weights and Measures．］
PENS（Fr．plumes à éerire；Ger．schreibfedern： Ital．penne da serivere；Russ．pera stwoli）．Well． known instruments for writing，usually formed if the quills of the goose，swan，or some ether birl． Metallic pens have been occasionally emplovei for a lengthened periot；but it is only within he last juarter of a century that they have leen extensively introduced．They are now，howeyer， manufactured in vast quantities，and of an im－ mense varicty of forms．lhit thongh they have superseded，to a very considerable extent，the ne of quills，and have some peculiar advantages，it does not appear possible to give them the elasticity of the quill，nor to fit them so well for quick and casy writing on cominon descriptions of paper，

J＇EPPER（J＇r．poivte；Ger．pfefier；Dutch， peper；Ital．pepe；Span，pimicata；Russ．perez： Lat．piper）．The berry or fruit of different species of plants，having an aromatic，extremels hot，pungent taste，used in scasoning \＆e．The following sorts of penper are met with in commerce：－

I．Beack Prepper（Fr．poivte；Ger．schwazer pfeffer；Ital．yepe negro；Span．pimienta；Sase mercha；Hin．col－mireh；Malay，lada；Jav mariha）．The fruit of a crecping plant（Piper nigrum），one of the pepper genus，of which ther are upwards of 80 species．It is cultivated ex tensively in India，Siam，the Eastern island \(\delta \cdot \mathrm{c}\) ， It requires the support of other trees，to wbich it readily aulheres．It climbs to the height of ？ fcet；but is said to bear best when restrained to the height of I2 feet．It begins to prodace at anout the 3 rol year，and is in penection at the 7 thi：continues in this state for 3 or 4 years；and aleclines for about as many more，satil it ceases to be worth kecpitig．The fruit grows abundantly from all the branches，in long small clusters if from 20 to 00 grains；when ripe，it is of a bright red colour．After being gathered，it is spread on mats in the sun，when it loses its red colour，and becomes black and shrivelled as we see it．The grains are separated from the stalks by hand rubbing．That which has been gathered at the proper poriod shrivels the least；bat if placked too soon，it will become broken and dasty ia it removal from place to place．The vine produce two crops in the year；but the seasons an subject to great irregularities．
Pepper should be chosen of a pungeat aromat odour，an extremely het and acrid taste，in larg grains，firm，sound，tegument brownish hark，arig with few wrinkles－for of these it alkays bat some．Reject that which is shrivelled，or mall grained，or which on being rubbed will brak th pieces．

In point of quality，the pepper of Malabat usually reckoned the best；but there is ao materis difference between it and that of Sanatra，ans the other islands．In the market of Beaga where they meet on equal terms，the produce \({ }^{9}\) Mulabar is generally about 2 per cent．higher that the other．In Europe，Chere is geperally a di ference of \(\ddagger d\) ．per lb ．in favour of Malabar；but China t＇sey are lield in equal estination． Shefficld. [Cut-
but now a conper er coin struck in s. being the 240 th weight was about
weight, being the aining 21 graius.

Ger, sehreibfeder: : jera stwoli). Wells, usually formed nis or some other hirl. asionally emplovel \(t\) it is only within that they have been are now, however, ities, and of an im\(t\) though they have rable extent, the we culiar advantages, it fe them the elastivity so well for quick and criptions of paper. Ger. pfeffer; Dutch, mienta; Russ. perez: or fruit of different aromatie, extremely 1 seasoning \& \& . The are met with in
oivre; Ger. schwarer ;pan. pimienta; Sansc. ; Malay, Jada; Jar. crecping plant (Piper - genus, of which there

It is cultivated erhe Eastern island de other trees, to which it os to the height of \(\%\) best when restrained to \(t\) begins \(t\) produce at is in periection at the te for 3 or 4 years; and - more, suntil it ceases to fruit grows abandantry - long small clusters of on ripe, it is of a bight rathered, it is spread on loses its red colour, and clled as we see it. The m the stalks ly hava been gathered at the e least ; but if pluche broken and dusty in tee. The vine produce but the seasons ties.
on of a pungent aromain and acrid taste, in larg hent brownish black, aby of these it alayys bs \(h\) is shrivelled. of smal ing rubbed will brakt
e pepper of Malabar is ; but there is ao matery d that of Suunatra, an the market of Beaga al terms, the prodace a at 2 per ceal. bigher tha there is generally a avour of Malabar; but 1 qual estimation.

\section*{PEPPER}

PERIODICAL PUBLICATIONS 1047
Biaci; pepper sold ground is said to be often aldulteroted with burnt crust of bread.
II. Wure l'erpren is made by blanching the ifest grains of tho common black pepper by reeping them for a while in water, nud then aratly rubbing them. so ns to remove the dark arader coat. it is mijder that the other, anil is nuth prized be the Chinese; but very little is impirted into England.
ILi. Chyense Perpere is the produce of severallarities of the Capsicum, an anmal plant, a arive of both the Indies. The best, which is troubt home from tho West Indies ready prepand, is made from the Capsicum buccatum (bird pepper). It has an nromatic, extremely pungent, artimonions taste, setting the mouth, ns it were, of fire aad the impression remaining loug on the rare, It is sometimes adulternted with muriate if sula; and sometimes with n very teleterious oubtance, the red oxide of leal; buit this fraud mar be detected by its weight, and \(b_{y}\) chemical sisis, [Cullaes.]
IV. Long Perper.,-This species is the produce daperennial (Piper longum), a native of Mahabar and Bengal. The fruit is hottest in its immature state: and is therefore gathered while freen, and dind ia the sun. It is imported in entire spikes, which are about \(1 \frac{1}{2}\) inch loner. It has a weak awnatic odour, an intenscly tiery pungent taste, andadarl: grey colour. The root of long pepper Fafarourte medicine anong the Uindus.
The quantities of the last 3 species of pepper imported are guite inconsiderable. compared with the quanity of black pepper. (Milburn's Orient. Cum. Ainslic Mat. Indica; Thomson's Dispensatry: Brilish Pharmacopeia, 1867; \&c.)
Trade in Pepper. Consumption of, and Dnties un, in Emgland.- Pepper is extensively used, all aree Europe and the East, as a condiment. It mis onipirally imported into this country by way of the Levant (ante, East india Comidany; and for : :ny years after the establishment of the Fat Indis Company, it formed the most impotant article of their imports. In nothing hiss tbe teneficial effect of opening the Indian trade bees so unequivocally displayed as in the instance of pepper. The private traders have resuth 1 to new markets, and diseovered new sources of supply, which had previously been wholly anexplorel; so that there has been not caly a sery great increase in the quantity of lepper brought to Europe, but also a very great fill in its plice, which does not now exceed a thirl part of what it amounted to in 1814.
Pefper for a lengthened period was one of the most grossly over-taxed articles in the British tarif Until 1823. the duty was 2 s .6 d . per 1 b .aduty so exorbitant, that one would be inclined to think it had been imposed to put a total stop to the use of the article. In 18:2, the duty on Pryer from a British possession whs reduced to 1s per B . - but even this duty, as compared with the price 0 ' the article ( \(3 d\). to \(\overline{0} d\). per 1 b .), was qeite op res ive, amounting to no less than from 240 te 50 ner cent, ; so that it was further and most properly reduced, in 1837, to \(6 d\). per 1 lb , Andin consequence principally of these reductions, the eatries of pepper for home cousumption, Which, previously to 1826, had not amounted to 1, \(450,000 \mathrm{lb}\), in any one year, amounted in 1846 to \(3,303,365 \mathrm{lb}\). Still, however, the duty, as compared with the price of pepper, was decidedly too bigh; and should not have exceeded 1d., or at nost \(2 d\). per lb. And in proof of this statement it is enough to mention that from 1846 dow to B \(0^{\circ}\) the eatries for consumption did not sensibly incrase ; in 1857 they amounted to only \(3,656,445\)
lb. The duty of \(6{ }^{3}{ }^{3} d\). per lb . produced, in 1865 , 121,100 . In \(1816 i f\) it was repealed. By the abolition of the duty, pepper has become necessible to the lower classes, to whom its free nse will bo of moeh importance; and the probability is, that the "nsumpition will, in no very lengthened period, br. doubled or morr.


Supply of Prpper--The following instructive details with respect to pepper are taken from the Singupore Chronicle, to which they were contributed by the late John Criwfurd, Esq.-than whom there conld be no more competent authority ns to such subjeets.
Of all the products of the Fastern islands, and of the countries immediately in their neighbourhood, in demand minong strangers, black pepper is the most important, both in value and quantity.
The pepper countries extend from about the longitude of \(96^{\circ}\) to that of \(115^{\circ}\) Li.. beyond which no pepper is to be found: nud they reach from \(5^{\circ}\) S. latitude to about \(120^{\circ} \mathrm{N}\)., where it again censes. Within these limits we have Sumatra, Borneo, the Malayan penimsula, and certain countries lying on the east const of the Gulf of Siam.

The pepper ports on the north-cast coast of Sumatra are Lankat and Delli. with Sardang. The cultivation is carried on by the Batta nation is the interior.

The ports and pepper districts on the southwest coast, are as follow: port and district of Trumah, districts of Pulo Dua and Cluat, const from Tampat Tuan to Susu, port of Susu, Kualla Batta, Analnbu, and districts to the north of Analnbu.
Here it is of importance to remark that the culture and production are extremely fluctuating.
On the enst coast of the Malayan peninsula, the production of pepper is very considerable, the ports being Patani and Calantan-chietly the latter. A portion of this, and of the produce of the islands at the mouth of the straits of Malacea and Singapore, is brouglit to Singapore and l'enang; but we believe the greater proportion goes direct to China in jurns.

The east coast of the Gulf of -Siam, from the latitude of \(101^{\circ}\) to that of \(12 \frac{1}{2}^{\circ} \mathrm{N}\)., affords an extensive crop of pepper. The principal ports here are Clinntibum, Tungyai, Pongsom, and Kullpon; the first two being under the dominion of Siam, and the latter under that of Kamboja. The produee of ISornco is also considerable.
Mr. trawfurd more recently supplied the subjoined revised estimate of the production of pepper, viz. :-
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Sumatra (west coast)}} \\
\hline & \\
\hline \multicolumn{2}{|l|}{1slands \(\ln\) the S (ratts of Malace} \\
\hline Malay peninsula. & \\
\hline Horneo & - \\
\hline -lam & - \\
\hline Malabar & - - \\
\hline & Total \\
\hline
\end{tabular}


PERCII. A long measure, \(16 \frac{1}{2}\) feet in length. [Werghts and Measures.]

PERIODICAL PUBLICATIONS. These, as the name implies, are publieations which appear at fixed periods or stated intervals, and consequently include newspapers, monthly and other

\section*{PERMIT}

\section*{PERNAMBUCO}
magazines, quarterly reviews, and journals, and all such books as appear at monthly or other intervals. But the term periodical publications is ususlly understood in a more coufined sense, or as comprising ouly magazines nund such politicnl, literary, and scientific journals as appear at regular intervals, without including newspapers or werks published in parts.
Even when thas restrict d, this is a very exteusive and important deprirtment of literature. No doubt a vost deal of trash gets into print by the agency of magazines that might not otherwise see the light; bint must part of these pultlications contain at the same time some superior artieles; and a few are ably conducted and embrace a wido range of topies. Since the establishment of the Edinburyh Review in 1802, the quarterly journals, especinily those that embrnee politics and literature, have risen to greateminence, and have had a powerful induence over the public mind. At present, however, and for some time past, the influence of this class of jourung lus been deelining. An ably conducted daily paper is, st this moment, by far the inost powerful engine the press can briug inte the field.
From a mercantile point of view, periodical literature is of more importance thm most persons would probably he at first disnesed to admit. We have enquired with some care into the subject, and we are inclined to think that the following estimate of its extent and value in 1868 may be considerel as near the mark as such an estimate can be made.

Monthly Magazines.-These in the United Kingdom amounted, in 1868, inchading all deseriptions, to abotit 367 ; and taking their average price at \(8 d\). , and their nverage sale at 2,000 copies, their produce will le \(2 \mathbf{4}, 46\) निl. a month, and 293,6041 . a-year.

Quarterly Journals.-There are 74 of these; and taking the average price of each at 2 s . 9 d ., and their avernge sale at 2,000 mopies, they will produce \(20,350 l\). a quarter, and 81,1001 . a-year. Hence, suppesing these estiuntes to be nearly sccurate, the amual produce of the sale of periodical publications (exclusive of what they yleld by advertisements) will amount to about \(375,000 l\).
FERMIT, A license or instrument, granted by the officers of excise, certifying that the excise duties on eertain goods have been paid, and permitting their removal from some specified place to another.

The Aets reiatire to permits were consolidated by the stat. 2 Wm . IV.c. 10. The Commissioners of Inland Revenue provide moulds or frames fur making the paper used in the priuting of permits, which liave the water mark 'Excise Office' visible in its substance; and the counterfeiting of such francs or paper, or the laving the latter in one's possestion without being able satisfactorily to account for it, is a felony punishable by transportation. Permits are not delivered exeept on the receipt of 'request notes,' specifying the places from and to which the goods are to be conveyed. A penalty of 500l. is to be imposed on all persons counterfeiting 'request notes,' or frandulently procuring or misapplying permits; and all goods, for the removal of which permits are necessary, if they be remeved witheut them, are to be forfeited, and the various parties cngaged in their remeval are to be each amerced in a penalty of 2091 . It is needless to dwell on the cxtreme inconvenience that would result from such regulations were permits in extensive use. But such is not the esse, and they are now wholly dispensed with, except in the case of a very few articles.

PERNAMBUCO. A city and seaport in the empire of Brazil, Inferior only to Rio Janeiro and Bahia in commercial importance; capital of the province of the same name, distant from lio 410 miles, from Rio 1,130. The harbour light house is in lat. \(8^{\circ} 3^{\prime} 20^{\prime \prime}\) N., long \(34^{\circ} 46^{\prime \prime} 40^{\prime \prime} W^{\prime}\) Light revelving with three changes; two white one following after the other is invisible then red. 'Time of revelution, \(5^{\prime} 15^{\prime \prime}\); each light showing \(1^{\prime} 4 \mathbf{0}^{\prime \prime}\). Light visible 20 miles in cleat wentlicr.
Perrambuco is situated near the most easterly point of the South American continent, nearly ii the track of vessels proceeding to India, China Australia, New Zealund, and the west coast of South America; and is advantageously placed in calling for orders, seeking frcight, provisions, of rentting. Distance by mnil from lingland an France, 19 days; Lisbon or Gibraltar, 14 days New York, 22 days.
There is good anchorage in the roals, for any lrancht, about 2 miles distant from, and in foni of, the harbour. Whter supplied in the roads ot 70 milreis per 1,200 gallons, in pipes. There is no charge of any kind on vessels calling fur order water, or provisions. Steamers requiring eal can enter in distress (por força maior), hithoul paying anchorage dues.
The harbour is formed by the united mouth of the rivers Capibaribe and Berberibe, and is perfectly safe and ensy of necess in all weathers It is protected from the ocean swell by a natural breakwater or reef of soft calcareous or siliceems stone, varying from 15 to 30 feet in bradh st the top, almost perpendicular inside, and slopine rapidly off outside to a great depth. 'No remed drawing more than \(14 \frac{1}{2}\) feet can enter at nap nor more than 18 f fect at springs.' (Conod IIunt's Report, 1864.) There are from 30 to 0 fect of water at parts of the anchorage. tis regtular iraders of the port are sailing vessels 300 tons and under, and steamers of 500 tons In December 1867, a vessel of 1,413 tons anchorin the harbour, having eatered in ballait, and drawing 17 feet.
Various projects have been subinitted from tim to time to the Imperial Covernmeat for the im provement and enlargement of the port. Jew while, it would be possible to effect a great dia at little cost by dredging the bar, and deepening the water in the liarbour, so as to admit resela of greater tonnage. If, in addition, the quaya wow secured, and the , ater near them deepcaed, so \(x\) to admit of vessels eoming up and lying ahneside, every commercisl necessity which could it demanded for the next fifty years would be opp plied. At the head of the harhour, there is a a batural basin, at present dry at every low but eapable, when dredged out, of forming ared the finest natural docks in the world.
Water is supplied within the harbour, canoes or covered barges, at 50 milrcis the minie or 25 milreis the half canoe; the latter being c ficient to water any trading ship. Smaller qutr tities, at 500 reis per pipe, are to be bad 2 t fountains on the quay. There is a small ris in front of the custom-house, alongside wide vessels can lie, but its accommodation is limited as not to be generally available, stemso prefer to go alongside this wharf.
Vessels generally discharge iuto and inns load from, lighters. (See Table of Lydtent below.) These lighters can be emploredimin the presence of a eustom-houss officer ingind on be rad the vessels usiut them. Tha hergired by the regulations are from daylight-uy 630 A.M. to 8 A.M. In order to economise ting the

\section*{UCO}
and seaport in the y to Rio Janeiro and rtance; capital of the e, distant from Bahia The harbour light, long. \(34^{\circ} 46^{\prime} 40^{\prime \prime} \mathrm{W}\). ehanges; two white other is invisible ion, \(5^{\prime} 15^{\prime \prime \prime}\) : eueh light isible 20 miles in elear
near the most esteriv :an continent, searl" in eeding to India, China and tho west coast of vantareously placed to - freight, provisions of mnil from England ant or Gibraltar, 11 das \(3 ;\)
ure in the roads, for ans listant from, und in front supplied in the roals an tlons, in pipes. There \(i\) vessels calling for orders, Steamers requining cust por força maior), without
ed by the united monthis be nud Berberibe, and is of access in all weathers : ocean swell by a naturis oft calcarcous or silicetwi 5 to 30 fect in breadh at dicular inside, and slaping a great cepo. enter at nap feet at springs.' (Conind There are from 30 to s of the anchorage to port are sailing yessels of and steamers of 30010 sec essel of 1,413 tons anchord ng entered in ballast, ain
e been submitted from tix al Government for the im cement of the port. Mea ssible to effeet a great dail ing the bar, and deepraily our, so as to admit reselks
in addition, the quass wo in addition, the quays wa or near then ded lying alake al necessity which colld at fifty years would be sy? of the harbour, there is ats sent dry at every low tik edged out, of forming wife ks in the world. l within the harbour, ges, at 50 milrecis the whine f eanoe; the latter bings trading ship. Smaller qutw r pipe, are to be had ut ny. There is a small stcm-house, alongside risy t its aecomnodation generally ava
e this wharf: into, and antry
diselarge int discharge into, and dive (See Table of Lisimy iters can be empl. . custom-houss officer wo \(s\) using them. The bese 530 are Irom dsylighis ting th order to esonomise ing

sum of 10 milreis per them is paid to an oflicer to co on bard before the hour tixed lyy the reguLillow, every day that the ship's diseharge may last.
ill visits to vissels discharying in the port mot be made under a liecuse, the stamp of which cost: 200 reis ( 3 l d, at par). The commander of a resed lying in the harbour camot fo on board to nearest ship, unless furnished with this pernissin, under a penalty of 60 milreis and the finfiture of the boat. Thuse licenses are obtainwhe on domand at the custom-house.
By the custom of the port, though it is not oblitiry, every british vessel phys 240 reis per ton ratite to the Briti-h Mospital, and can liave its eamen visited and medicinally treated there, free fany extra expense.
The anchorare dues are the same in the harbour and roals; vessels loading or tlischarifing in the late will be under the item franquia. T'o take ar:0 in the roals, a liccuse from the l'resident of the province is necessary. It is easily ottinel.
There is a quarmane hospital at the head of the harbour; about a mile from the city there are bulh, with apparatus fur careening and masting ratls.
Gound may be warehoused in bond for reexportation.
fallat slightly varies in price, but may be tated as costing 1,500 reis for sand, and 3 milreis for sone par ton alongsite the ship).
Al patt eharges are by the Brazilian measurement ton, an advance of 10 to 45 per cent. on Britidruister tons. Vessels are mamed by the custom house oflicials on their tirst voyage to the puth Tables of all dues will be fonnd below, ako pratical examples of their working in the ship's distursements account, and pro formâ inriies of sugar aud eotton shipments. It may bestated that the charges on a ship entering and ping ont loaded average rourghly from 20 s. to 2ja, per British rerister ton.
Oring to the high price of cotton, the entries ofsips, exports and imports, at Pernambuco ppasent a far larger amount of business than rinimer.
Exports pay the dutics of the seneral tariff ndinadition those imposed sy the Provincial senbiy, which has no power to tax imports. lese duties of importation are assessed by a cedly table of average values, prepured by the fintums. The rates were in Dacember 1867 follor:-


The eapital of the province of Pernambuco is city of Recife (of the reef), situated at the fluence and mouth of the rivers Capibaribe A beribe, which unite within the city, and 7hrough it in the form of the letier \(\mathbf{Z}\), king two isthmuses parallel to the mainland, one being in front of the other. The harbour at the outer or seaward side of the outer mus, which is united to the second isthmus two britges, and this again to the maiuland Wo bridges.
he eity is partially surface-drained, but not ered; it is pavel, and lighted with gas, and fied with excellent water.

The greatest extenl of tho city, from cast 10 west, is about throo miles, and from north to sonth ahout two miles. In 1862 it contalned about 10,000 separate properties, in 230 streets and 15, squares; and it has increased since that thme. The population is estimated nt ubout 120,000 . The city proper has four parishes: Recifo proper, or S. Redro Gonçuloes, where the prinelpal Govermment and merchants' oflices de, are; s . Antonio; S. José; Boa Vista. There is a strect ruilway, 5 miles long, from the suburbs to the city.
The exchange is a new building, one of the finest and largest in Brozil. There ure branches of two British banks in the city, besilles native institutions. Mr. Secretury of Lepation lakenham, in his Rrport of February 11, 1867, stated the enpital of the Bank of lermmbueo at 120,000 .
The postal service is very defective. There is one daily delivery only in the eity, one weekly to the comatry and interior towns. Thero is a poste-restante to which letters should be ad(lressed, with the superseription 'lara ficar no Correio.'

Communication out of the provinee, monthly ; neighbonving provinces, twice montlily; the whole coast, from Para to liio de Janeiro, twice monthly ; Bathia and Rio de Jameiro, six monthly; River Plate, three monthly ; Unitel States: New York vin s. Thomas, once monthly ; lurope: Lisbon, Bordeaux, Southampton, Marseilles and Gibraltar, twice monthly.
In January 1868 there were 80 wholesnle import houses in l'ernambuco, of the following nationalities: Jrazilian 27, Duteh 1, Euglish 17, French 2, (ierman 6, lortuguese 21, Apanish 1, United States 2.

There are fuundries and engine works, eapnlild of repairing trnding stemmers' engines, and two private steam-driven hydraulie cotton-pressiag establishments. There are also two daily newspapers.
Province of Pcrnambuco, - This region, to which the town is the eapital, is situated between \(7^{\circ} 12^{\prime} 1^{\prime \prime}\) and \(9^{\circ} 11^{\prime} 30^{\prime \prime}\) S. lat., and between \(37^{\circ} 22^{\prime}\) and \(44^{\circ} 8^{\prime} \mathrm{W}\). loug. The area is 4,467 supuare leagues of 20 to a degree. It has 2:3 leagues of sea-const, from the river Abiahy to the 1 ersinnuga, and is protected by the remarkable rcef, which extends, more or less continuously, from Maranhan to Surgipe, at a variable distance: from the shore.
Population estimated at \(1,220,000\). The natives are of every shade of colour, and of every possitis: admixture of blowl, berween European, Indian. and Negro. There is hardly any prejudice of colour.
The climate varies. . Near the coast it is warm and moist, with a constant breeze. Temperature \(85^{\circ}\) mean maximum, \(70^{\circ}\) mean mininum. The hottest months are December and January, the coolent June and July.
The rivers do not take their rise far into the country; but several are navigable for some leagues above their mouths. The province is healthy, except on the low grounds and river banks, on which intermittent fever is oceasionally prevalent. Of late yeare the sanitary condition of the province has improved.

The surface of the soil is very varied, the only: level land being the sea-const. In the interior there are monntainous ranges, dividing largo and somewhat arid plains. Brazilians exaggerate the fertility of the soil; but the country is very liable to dronght and to the ravages of insects. The soil near the coast is very suitable for sugar, that of the inland region for cotton. But unless
votton reaches a hifh price, its production, owing | Brazilian. A single telepraphic wire exatols to the delteiency of roads, is unprotitable. Conton along the line, and is avaifable fir the publings is generally cultivated by free labour. 'There are moderate tarill. The mumber of cubie varlis about 700 sugar plantations, but this branch of sarthwork and exomation per mide is ahome inhlastry is deelining. 'The mumber of slaves (about, what is nsual in linglamel. \(\delta 0,000\) ) is diminishing, and since the abmaloment of the trade, the price of shaves has trebled. Sionhor Lui\% do Carvallo, Dephity Colluetor of' Customs at l'ernambuco, states that two-thirds of the plantations are mortgared ut interests varving from 18 to 24 per cent. Many of the slaves have been exported to Kio, thongh the chaties and charges amomet to 117 milreis per head.
There are only form roads in the provinee, ilare of which extend about 3.4 miles, the fourth in miles, from the eapital. On these roads bullock carts are used; but much of the transit is on packhorses, each of which carries from :300 lb. to 3 Wo lb., and travels 25 miles a thy in the dry season. In the wet sasson the tracks are inispassable, and the roads not much better.
The Recife and San Franciseo Railway ia an linglish enterprise. It is a single line, \(77 \frac{1}{2}\) miles long, and 5 ft .3 in , gauge, rumning into the country at an angle of about \(35^{\circ}\) with the coastline. It is intended to continue the line to alont 400 miles, The atministration and loemotive drivers are Eaglish, the train and station staf

The pruvine seads ti senators and lis hatio to the general l'arliament at lin de damariut is governed by a l'resident, mpmintelt he
 members, which legislates abl taser for pure provincinl matters.
Nor one is furmitted to quit the provinor and empire withont previonsly adverising hiv te parture tor three consecutive days in the lien gournals, and ohtaining a pase pert frum the anthrities at the cost of \(2 \cdot d\) mitrois. This rale then now aply to pasvengers lamblyg for a few dars and procemting on their journey.

The proxlucts of the province arre cotton, with himes rimb, and molasses. Farinha, or the evers. meal of the manioe root, takes the phee of hirm wheaten flour beines rarely consumal, exerep the shafe of haral biscuit - similar to thane on shiphoard.

For the aonndings we are indeltent in Me. Law and lhomen; and to (i, G. Mam, Bat.ont intendent of the l'aeitic and sian
Company, for the fillowint-

Aerount of the Traffic for 3 Years cuding 18tit, on the Pacific und San Prancisen Radumy ( \(\overline{7} \frac{1}{2}\) miles) first opened throwghout in \(181: 2\).
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Vears & Toms cartled up the Country & Tons carrisd From the divuntry & Passenger; & Hereipt. & Expenses & Petrentug \\
\hline (1895 & \[
\begin{aligned}
& 5,003 \\
& 6.740 \\
& 6,594
\end{aligned}
\] & \[
\begin{aligned}
& 18,78 \times 3 \\
& \begin{array}{l}
3 ., 58,3 \\
1.3,68253
\end{array}
\end{aligned}
\] & \[
\begin{aligned}
& 145,969 \\
& 16,34 \\
& 1 \times 4,4,5 ; 4
\end{aligned}
\] & \[
\begin{array}{ccc}
f & 8 & 1 \\
14,291 & 6 & 2 \\
11,157 & 1 & 11 \\
12,415 & 11 & 4 \\
\hline
\end{array}
\] &  &  \\
\hline
\end{tabular}

Coasting Trade with the Principal Ports of the Province of Pernambuco for the 6 Iears suling 1 wi,


Account of the Official Value of the Coasting Trade during each of the 6 Years ending with 1867 and the Average Current Valuc.
\begin{tabular}{|c|c|c|c|c|}
\hline Years & Hio Grande del Norte & J'arahiba & Alagoas & Thet \\
\hline 1862-3 & 648,668,219 & 379,677,126 & 1, \(213,411,54\) &  \\
\hline 186.3-4 & 6116,963,557 & 1,892,405,994 & 1,309,060,022 & 3, 998.12 , 5 \% \\
\hline 1864-3 & n91, 940,232
\(994,457,102\) & \(2,759,191,467\)
\(2,322,918,027\) & 1,08R,615,131 &  \\
\hline 1860-7 & 951,081,410 & 4,287,877,103 & 1,774,706,237 & 5,p10,661,980 \\
\hline Total & 4,619,730,084 & 9,8¢3,186,554 & \(8,183,088,323\) & \(22,716,004,961\) \\
\hline A verage & 974,955,014 & 1,647,197,759 & 1,363,848,0,54 & 3.786,000,897 \\
\hline
\end{tabular}
elegraphice wire exteals railathe fir the publie it' a itmoner of cubic yarlo , ion prer mile is abont hat! d.

B senatom and 1 in, whato at at Fion de Janeiro b sident, appuinted be tha
 tes and taxes for purd?
to (fuit the prowine and usly advertising lis de rative days in the lual! a passourt irmon the num. 1 milreis. This rule doen ; landeng fire a fer dars journey,
province are cottom, war, 8. Farimha, or the emare , takes the place of bral. rely consumed, oxary in nit , similar to thene nex
e are indebtel to ltere ofi, O. Mann, Enqupter ads san lime wo tailwa? ing-

San Prancisco Railuay
\begin{tabular}{|c|c|}
\hline Exjuenses & Percentige \\
\hline \(\pm\) a.d. & \\
\hline 45,89014 & 9302 \\
\hline \(33,71.561\) & 6, \(30 \%\) \\
\hline 40,969 21 & (1)2\% \\
\hline
\end{tabular}
- the 6 Years tuling N6i.
\begin{tabular}{|c|c|c|}
\hline & \multicolumn{2}{|l|}{1965-1} \\
\hline tio tirande del Norte & \[
\begin{aligned}
& \text { Para. } \\
& \text { hibla }
\end{aligned}
\] & 17apos Ttut \\
\hline , & & \\
\hline 65, 375 & 1.76,:19 &  \\
\hline 375 & 1, 10 & \(134,048131,12 x\) \\
\hline 42,735 & 26.410 & 25, 2319496,10 \\
\hline 70,625 & \(97,3,3\) & 3, 51980 \\
\hline - & 194 & \(3 ; 8\)
511 \\
\hline - & 65 & 531 \\
\hline 19 & & 396 \\
\hline 2:9 & 5!,19: & 376 30.165 \\
\hline - & & \(14,9001 \%\) \\
\hline 1,610 & 50 & 1,2mb 2.85 \\
\hline - & , & 111 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|c|}{1866-\%} & \multirow{3}{*}{T, ted} \\
\hline Para- & & & \\
\hline blia & Aloguas & Total & \\
\hline & 1,689 & & 12, 19 \\
\hline \multicolumn{4}{|l|}{} \\
\hline \[
1002
\] &  & 413, \% & 1,411 \\
\hline \multicolumn{4}{|l|}{S, \(000209,4527,140\), M9,} \\
\hline \multicolumn{4}{|l|}{254,718 50, ,} \\
\hline & 1,433 & 1,43 & \\
\hline - & 1,285 & 1.43 & \% \\
\hline & 393 & ils & 16,959 \\
\hline \multicolumn{4}{|l|}{\multirow[b]{2}{*}{- 2,610 \%,516 8 , 143}} \\
\hline & & & \\
\hline 93 & 1,245 & ( 31.53 & 30, \({ }^{3}\) 3, 56 \\
\hline - & 1,144 & : 111 & \\
\hline
\end{tabular}
6 Years ending rith \(186{ }^{\circ} \mathrm{F}\)


Comparatire Thale of the Weight af a Ton of the narious Articles of Produce, ally Shipped jrom Brazilia.a P'orts.
\begin{tabular}{|c|c|c|c|c|}
\hline & Article* & llahia arrobas & Einglth
cwl. & Frencl kilos. \\
\hline & casel, bosel, larrels & 70 & 20 & 1, mi, \\
\hline , 4 me & - bugs & \(\mathrm{NOH}_{2}\) & 83 & 1,1.31) \\
\hline coffer & - birrels & \({ }_{7}{ }_{7} 13\) & 18 & 0, 0 \\
\hline \multirow[t]{4}{*}{Tobseco leaf} & - balca & 112 & 12 & \({ }_{6} 6140\) \\
\hline & seroms & 0.56 & 18 &  \\
\hline & - rolls & 70 & 29 & 1,940 \\
\hline & mangotes & 713 & 41 & 1,050 \\
\hline \multirow[t]{2}{*}{Hiden} & - dry & 45 & \(126-8\) & 613 \\
\hline & - milter & 10 & 16 & (1) (10) \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Cutom, Macclo or S. Yranelsco}} & 47 & 8 9-7 & 1.14 \\
\hline & & 27 & \(7^{8,7}\) & \(3 \times 6\) \\
\hline forot & - - bagn & sid & & hils \\
\hline I \(\mathrm{p}_{\text {¢ }} \times 1\) & * barrele & \(4{ }^{36}\) & 16 & 100
7010 \\
\hline \multirow[b]{3}{*}{fo mands Рはрия} & - ba logs & M0) & 43 & 1,100 \\
\hline & juonp humiles & 213 & 7 & 3,011 \\
\hline & - pressed & 42 & 12 & 6010 \\
\hline Rue - & - bayk & 73.1 & 23 & 1,1519 \\
\hline & - Diarrels & 6.3 & 18 & (0)0) \\
\hline Bron & - - - & 35 & 10 & (1)(1) \\
\hline
\end{tabular}


PERRY. A fermented liquor made from pears, in the samo manner as cider from apples. The pears best fitted for producing this liquor are exceedingly harsh and tart; but it is itself pleasant sind wholesome. [Cidis.]
ledithan bark. [lark.]
PETERSBURG. The modern metropolis of the Rusian empire, situated at the contluence of the rifer Neva with the enstern extremity of the find of Finland, in lat. \(59^{\circ} 56^{\prime} 23^{\prime \prime}\) N., leag. 3F 18\(\}^{\prime} \mathrm{E}\). Population in 1865, 546,000.
This flourisbing emporium was founded by Pete the Great, whose name it bears, in 1703. lothe same year the first merchant ship that evet appeared on the Neva arrived from Holland; and the Czar, to mark lis sense of the value of such risitors, treated the eaptain and crew with the greatest hospitality, and loaded them with presents, In 1714, 16 ships arrived nt Petcrsburg; in 1800 , the number had inerensed to 180 ; mad so tapid has been the progress of commerce cand cirilisation in Russin since that period, that this year (!869) upwards of 3.000 ships will probably enter and clear out from Petersburg.
It is much to be regretted that, although farourable to commerce, the situation of Petersbarg is, in other respects, far from good. The fround on which it stands is low and swampy ; it has, on diffcrent occasions, sustained grent iojury from inondations; and the country round is, gcarally speakiug, a morass and forest, so that almost everything required for the subsistence of the inhabitnats must be brought from a distance. No one less bold and daring than 1 eter the Great would have thought of selecting such a situation for the metropolis of his empire ; and none possessed of less power and resolution could have sueceeded in overcoming the all but insuperable obstacles which the nature of the country opposed to the completion of his gigantic chemes,
Cronstadt, situated on a small island about 20 niles W. of Petersburg, may, in some measure, veconsidered as the port of the latter \(\Delta\) Imost If ressess bound for Petersburg touch there; nd those drawing above 8 feet water load and mload at Cronstadt; the goods being conveyed om and to the city in lighters, the charges of thich vary according to the demand at the time.

Tho merchants' harbour nt. Cronstadt is fitted to contain about 600 ships; but it is exprosed to she westerly winds. Croustadt is strongly fortifiet, and is the princlpal station of the Kussian fleet. Vessels bound for l'otersburg must pass by the narrow chatuel to the soutil of the island, commanded ty the fortiticatims of Cronstadt on the one side, and of Cronslot on the other. The accompanying illustration, taken from the oflicinl survey publisheal by the lussian fiovernment, gives a better idea of the situation of lectersturer, Cronstadt Ke., than could be derived from mity description.

Two new lights lave been ndded on Tolhotikin islanl! ; makingr in all, one on the E., anothor on the NE. side, and another on the SE. side, all visible for five iniles. There is also a double light 01 the S. side of \(S\). Nicholns battery, which was raised in 1861. The lower light is red. 'Two more are on each side of the merehants' pate; whe on Frederickstadt (red), on the S. bastion of Cronstadt harbour, another on the opening of the Man of War harbour. A bell is somuded four times an hour during foggy wenther.

Money.-Accounts are kept nt l'etersburg, nud throughont Lussin, in roubles of 100 eopecks.

The only gold coin at present struck is the \(\frac{1}{2}\) imperial, or 5 rouble piece \(=16\) s. sterling very nearly. The silver rouble, worth 3s. 23id. sterling very nearly, was declared, by a ukasc issued in 1839, to be worth 3 paper roubles.

But another ukase, issued on June 14, 1843, directs that the old bank note reubles in circulation, nmounting to the sum of \(595,776,310\), being equal, at the exchange of \(3 \hat{2}\), to \(170,221,803\) silver roubles, should be called ial, and replnced by an issue of \(170,221,000\) billets du crédit, to ive exchangeable at the pleasure of the hoider for silver roubles. This is \(n\) most important regulation, and if it be fully carried out, the distinction between silver and paper roubles will disappear; at the same time that ndditional security will be given to all sorts of industrial undertnkings, and to the credit of the Government.

Weights and Measures.-The Russian weights are the same for gold, silver, and merchandise, viz. :-
\[
\begin{array}{ll|l}
5 \text { soltnicks } & =1 \text { loth. } & 40 \text { pounds }=1 \text { pood. } \\
3 \% \text { lothis } & =1 \text { prous.d. } & 10 \text { poods }=1 \text { berkovite. }
\end{array}
\]

The Russian pound contains, accorling to Kelly, 6318.5 English grains. Hence, 100 lb . Russian \(=\) 90.26 lb . avoirdupois \(=40.93\) kilog. The pood \(=\) 36 lb .1 oz .11 drs., but among merchants it is reckoned \(=36 \mathrm{lb}\). According to Nelkenbrecher, 100 lb . Russiau \(=90.19 \mathrm{lb}\). avoirdupois \(=40.9 \mathrm{kilog}\). \(=82.8 \mathrm{lb}\). of \(\lambda\) msterdam \(=8.444\) of Hamburg.
The principal ineasure for corn is the chetwert, divided into 2 osmins, 4 pnjocks, 8 chetwericks, or 64 gernitz. The chetwert \(=5 \cdot 77\) imperial bushels. Hence, 100 ehetwerts \(=75 \cdot 12\) imperinl quarters.


1 sashen \(=7\) English feet. 1 arsheen \(=28\) English inches. 100 Russian feet \(=114 \frac{1}{3}\) English fect. The verst, or Russian mile \(=5\) furlongs 12 poles. The English inch and foot are used throughout Russia, chiefly, however, in the measuring of timber. (Kelly's Cambist, art. 'Russia;' Nelkenbrecher, Manucl Universcl.)

In fixing freight to England, a ton is 63 poods of hemp, flax, tallow, iron, copper, and ashes;

\section*{PETERSBURG}

11 poods of brixtles :singluss, leather, and wax 6) dozen of dealn; \(3, b(0)\) hare skins; 8 ehetvert of wheat or linsec!; and 60 pieces of sail-cloth.

The following regulations for the lumportation of foreign goods are atrictly enforeed :-

All poolls imported must be necompanied by the following ducuments :-
1. 'The declaration of the coptain, according to tho furm ordered hy tho custom-house.
2. An attestation from the Russian conenl, sul, where thero is no consul, from the customhouse of the place, of the quantity and quality of the roads, and adecharation that they are not the prodite, manufacture, or property of an eneny's comintry.
3. Bitls of hathog of alf goods, in which the weight, measure, or funatity of each package must be specified. In case the bitls of lading are not exactly after thip regulation, the poods pay tonble thity as a the. In case mors is foumid than specified in the bill of lating, the surplas is conflecated; if less is found, the duty must bo paid on the quantity specilled. Of wine, it is not sutlicient to apecify the mumber of pipes or hogshends only, but alao their contenfs in gallous \&e. Of lemons, the rumber in cach box mas: be specitied. Of manufactured goods, tho meanne of each pieco must be specified, and the number of pieces in each bale. It is indiflerent whether the gross or the nett weight be specilled. If the packares be all of the same weight, measure, or contents, a peneral specilleation will do ; as, for example, 100 casks alum, of 17 lispound cach, Of dye woodn, tho weight of the whole need only be mentioned. Of goods of small bulk, as pepper \&c., it is sutlicient to state the weisht of every 5 or 10 bales, but with specitication of the numbers. There must not be any crasures or blots in the bill of lading. All goods not necompanied by these documents, or where the tocuments are not according to the above regulations, will be sent back.

Bills of hading may be mate ont either to some house, or to order.

The following charges lawe been fixed by the merchants of l'etersburg:-


Tare on Goods E'xported, as fixed by the CustomDry poodt. house.


Moist Goods Imported,-I he followiny ate somn of the tares mpecited in the tarift:-

Olive bil fir fally
or Ptaly, in tlaniki ame otrair
 Aud genetally on
nenaraly on alr mol in simeds in lo srelo Miecellaneoris., sods.
Cotton twis int inkes amiliarrefa:
Cochineal must le woikheil th the sactes aner bu.in

7 pouls
Indigo sack of from \(2 \frac{10}{}\) to poods
on werman ; Pvery cerom urfoun 38 to \(0^{\circ}\) pexis. of (iuatrmal.a to ! mals III bowen.

It whoulil be efatci, however, that some of the costomary charges for the statement of freight between the consignees and mastors of vessela gre constantly complainel of. Among these aze 1. 'The commission of 3 per cent, for the cullece'sa of freight, which is payable whethre the tas belonga to the consignee or is mbly addresed to him, aml is payalle notwithstanding nay stipolation to the contrary in the charterparty: a. d charge which eertain German merchants, llealim principa!ly in coals, have recently enteavoured impose, muter the title of 'discount for cath.' it nupears that the legal remedies against fram and contention are not complete as ret. (Sce Mr Consul Michell's Report for 1867 .)
bilis trawn in linssia, and payable after date are allowed 10 days' grace; but of payabe at sight, is days only: Sundays and holidays of incluted in Iroth cases. The Julian catendar, of Oht style, is still relaned throughout liusia, This is I2 days latt: than the New Style; sod in leap yeard, 13 days, after the month of Fob runry:
Port Cherges.-The regular charges which Bustish ships have to puy at the ports of leterburg and Cronstalt comprise the fullowing lise dues and expenses, viz. lastage, passes, cleasing at Cronstadt, aildress money, f'etersburg and Cronstadt church moncy, Cronstadt expedition and allowance to the IRassia Company's azeot, for all which a chargo is made in the slip's account in one suin, proportionally to the ship's register tomage, according to the following seale, siz:-


In 1866 , the differential duty of 16 copeckspa rooll, in favour of certain liussian barbour in in Baltic, was abolished.

Trade \&c.- Petersiburg has the moet exteasiv foreign trade of any city in the north of Europe This arises frem its being the only grat mantim outlet on the Gialf of Fiuland, and from its vas and various communications with the interior d the country. Few countries bave such an exten of internal navigation as Russin By mean
ver, that some of the statement of freich I masters of vessels an

Among these are: cent. fur the culles: se ble whether the casto or is only adriresed to ithstandiug any stipp he ciarterjarty, is A nan merchants, dealing recently culcaroured to 'discount for ca-h.' It edies aguinst fraud aud lete as yet. (See Mr, or 1867.) and payable after date, race; but if payabice of nolays and hotidays are The dulian ealendar ot ned thiroughuat Husia min the New Style; a 0 d after the mouth of lict
regular charges which - at the ports of beters aprise the following ine \(\therefore\) lastuge, passes, cleaning money, Petcrsuart and Iinssin Comparys arent, made in the ship's account ally to the ship's recisiter he following seate, viz:-
tial duty of 16 copeckspe ain liussian harbours in th irg has the moet exteasiry ty in the nurth of krop ung the only great mina Finland, and from is rav ations with the interior intries have such an exten in as Kussin. By mead
partly of rivers, and partly of eannls, I'ctersburs; pannuected with the Casplan S'ch, Goods are Woureyed from the latter to the eapital, throngh a ance of 1,434 niles, without once Janding . The irum aid furs of Siberia, and the teas (hina, though not to the same extent as for"rolly, are reccived at l'etersburg in the same ras but owlug to the great distance of thase mintries, and the short period of the year during which the rivers and canals are mavigable, they the 3 years in their transit. Immense gunntitie: If goch are also conveyed during winter upon the iec, in eledges, to the dlfferent porta, and to Wearest pristans, os places in the interior where barks are built for river or canal navigation They are put on boarl in nutieiputlons of peperiod if sailiug, that the barks may le ready ntake alvantage of the high water, by tloutinit duy with the current as soon as the nnow and in begin to melt. The cargoes carrled up the nor into the interior durinf summer are principall conveyed to their ultimate ilestinations by thetedpe rials during winter. The conseynace by the later is generally the most expeditious ; ind it, as well as the intermal ronveyance by mier, is performed at a very molerate expense.
The barks that come from the interior are mostr of a rery rude construction, ilat-botomed, and seld m drawing more than 20 or 30 inches water, When they arrive at their destimntion they are suld or broken up for tire-wood. Those that leare the porta for the interior are of a smpenv dectiption, and are comparatively few in number; the commodities imported being, int an average, of much preater value, relntively to ther bulk and weight, than those that are expuich.
The following is an aecount whowing the total tongro if the shipping that entered Cronstadt and St. Petersburis, in each year, from 1855 to Lo6t, ad the portion thercof that was British :-
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{Ten} & \multirow[b]{2}{*}{'fotal Tonnage} & \multicolumn{2}{|c|}{Ilritish} \\
\hline & & Tonnage & Per Cent. of Total \\
\hline 湤 & 370,001 & 219,412 & 42 \\
\hline 16 & 156, 418 & \% & \\
\hline (1)3 & \begin{tabular}{l} 
S14, \\
\\
\hline 100
\end{tabular} & 2.5, 7 \% 6 & 49 \\
\hline 146 & 435,482 & 247, 3 3 \({ }^{\text {d }}\) & 50 \\
\hline 1461 & 474,608 & \%62,i12 & 3.5 \\
\hline 146 & 408,278 & 211.352 & fi) \\
\hline 163 & 460,006 & 8181,456 & 61 \\
\hline 1196 & 471,668 & 814,364 & \\
\hline 1465
1868 & \$11,8.38 & 3.5 .116
121,202 & 6.1 \\
\hline Tow & 3, \(390007 \overline{4}\) & 3,039,168 & - \\
\hline Pitcont. & - & 56 & \[
\underset{\substack{\text { Average } \\ 26}}{ }
\] \\
\hline
\end{tabular}

Tariff, - A new tariff of Russian custom duties rame into operation on January 1 (13), 1869, when cetied to be levied the additional charge of 5 per cent, on the duties estnblished by ukases of March 14, 1808, and Dec. 30, 1861. We horrow the following remarks and tables from a review of the tonifgiven in the Times of Jan. 5, 1869, and from
the toiff itself the rates of duty :-
'In Engligh edition of it (the new tariff) has
ast been published by Mr. Michell in parallel column, showing the English equivalents for the Rusian rates. The following are its principal batares.
'The namber of paragraphs or positions has een reduced from 367 to 253, of which 42 refer goods admitted duty free, and 12 to those of sich the importation is prohibited, learing 197 sops or classes of duties leviable, with two areptions, on specific weights or certain units. de two ad valorem rates of 35 per cent, on readywhe clothes, and 30 per cent. on linen, cambric,
and lawn, mark, as it were, the hifhest limits of the protection which the new carift was intended to bestow on mative manufactures. A reference however, to the memoranda which Nr. Michell shlmitted to the 'Iariff Commission wiil clearly show that even some of the reluced apecilic rates range up to 100 per cent, and more on the valuy of the goods imposed. The reductions are evidently not hased on any mystem of gencral plan, cither for protectivo or thend purposes. Compared with the customs duties levied in uther comatris, the new lussian rates present the unst extranilimary deviation from the general liuro pean basis, and look, indeed, what they in reality are, the pesult of compromber lietween the interests of prowerful manufacturers and those of \(70,000,000\) consumers, as represented at the Counell of the bimplice. Fortunately for the maritime trade of Jussin, the recommendation of the Binister of Finance for the abolition of the diflerential dutien was mopted by the Conncid except in the case of tools, which are still to be favoured with a rednction of duty when imported overland (ds. ild, yer ewt, by land, instend of 7s. 10d. per ewt. by sea), with the objert of proiecting the munuficture of tools at \(S t\). Perersbrrg, it being all the while notorions that the Russian markets are slutted with climp German tools bearing counterfeited Sheffich tratemarks. The oflicial remonstrances of Sir Andrew Ihnchanan, the Ilritish Ambassador, agalust this injustlen to British trade appear to have beet milieeded, and the inthential manufacturer at St. Petershurg has obtained the premium which will enable him to impose inferior tonls on the Lussiau workman. Next to the abolition of differentlal duties we notice with satisfaction the dismprearanco of the 10 jer cent. additional duties and the apecial britge tax of 2 per cent. levied at the port ol St. Petersburg, "which taxes," say's M. de leutern, "have complicated the accumnts of the Customs, while the bridge-tnx was not unfrequentiy avoided by clearing goods destined for St. l'etersburg and Moscow at custom-houses on the land fronticr."
'Apart from these improvements in the Russian lariff, the following reductions may be mentioned as bearing more particularly on the export and carrying trade from Great Britain to Russia:-

Articles of Food.
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{2}{|l|}{Articles} & Haces of Duty & Reduc. Duty. \\
\hline & & \({ }^{2}\) \& d. & \\
\hline Coffe : & - cwt. &  & \({ }^{45}\) \\
\hline Pictues and sauces & : "̈ & & 39, \\
\hline 13lincults: & & \begin{tabular}{lll}
1 & 9 \\
1 & 6 \\
\hline
\end{tabular} & 399 \\
\hline l'orter and ate, in canks: & \% & & \({ }_{6 \%}\) \\
\hline Torter and eie, in carks: & - noitle & \begin{tabular}{lll}
0 \\
0 & 9 & 38 \\
\hline
\end{tabular} & S2 \\
\hline
\end{tabular}

Raw and IIalf-manufuctured Materials.


Rates of Dusy \(\begin{aligned} & \text { Now in } \\ & \text { Inon } \\ & \text { Dunt }\end{aligned}\)
01
\(111{ }^{\circ}\)
\(\begin{array}{ll}0 & 2 \\ 0 & 4\end{array}\) \begin{tabular}{l|l}
21 & \(2 \%\) \\
7 & 4 \\
9 & 34 \\
6 & 36 \\
\hline
\end{tabular} " ns innst, howerer, be se everal duties (thoee na white lead, hemp, Hax, ist, silk stufls \&c.), and ery, except arriculumal. moking, and leter-pres ch is to concinue free ff machmery (is. 5d, pet copper and brass attiag il locomobiles and othet was yicliled at the ! 4 : ot the impire, owing t which was set up by the
as it appears, and athongh in 88 classes, the abore ceys a very erroncous im. Russian tariff, wheh st a liberal in Eurone, \({ }^{1}\) orta-
on the following comparison and Russia:-

Duties in
\begin{tabular}{|c|c|c|}
\hline & Austris & Rumia \\
\hline & jer cut. & Facti \\
\hline & \(\begin{array}{lll}\text { c } \\ 0 & 8 . & \text { d } \\ \text { did }\end{array}\) &  \\
\hline \(\bullet\) & \(\begin{array}{lll}0 & 1 & 6\end{array}\) & 0 S11 \\
\hline inimum & \begin{tabular}{llll}
0 & a \\
0 & 18 \\
\hline
\end{tabular} & 111 \\
\hline aximum & \begin{tabular}{llll}
0 & 18 & 3 \\
0 & 1 & \\
\hline
\end{tabular} & \\
\hline inımum & \(\begin{array}{llll}0 & 1 & 6 \\ 0 & 12 & 2 \\ 0\end{array}\) & 119 \\
\hline aximum & \(\begin{array}{lll}0 & 1 & 6 \\ 0 & 18\end{array}\) & 24 \\
\hline avimum & 012 & 598 \\
\hline inimum & \(\begin{array}{lll}1 & 10 & 3 \\ 8 & 4 & 6\end{array}\) & 22 11 1 \\
\hline aximum & \(\begin{array}{ll}8 & 4 \\ 0 & 12 \\ 0 & 8\end{array}\) & q18: \\
\hline ¢inimum & \(72+\) & 1411 \\
\hline nximmm & \begin{tabular}{lll}
5 & 2 \\
\hline
\end{tabular} & \({ }^{19} 9510\) \\
\hline aximum & \begin{tabular}{llll}
17 & 4 & 0 \\
\hline & 4 & 0
\end{tabular} & 0193 \\
\hline nintinum & \({ }_{0}^{0} 12\) & 5131 \\
\hline aximum & 012 & ; 163 \\
\hline , & 11 & \\
\hline cinimum & 016 & is \\
\hline aximum & 012 & it \\
\hline Hinimum & \(0_{0} 12\) & \\
\hline taximum & 1 & 916
81611 \\
\hline & & \\
\hline
\end{tabular}
\(c\), with the most mudem he, that of in alt the primiph
6 this review by exprexing ference apparent in tiel 1 th lity give the mesare fus tinancial condition of has nents wow publisued Rusisn Gry ance of the political intelle nat its capabilities for dour rtent nentralised by a fear ". etci;sbl. :-The amount the custum-hoosse
was as follows: Duties 0
mpats, \(10,8: 20,3 ; 0\) ronhles; ont exports, 139,308 publes; total, \(10,960,178\) roubles: \(=1,370,125{ }^{2}\) The total amonnt collected in 186.5 having been soni, P'f roubles, the increase in 1866 was an9 \(30^{*}\) rouhles, or 32 per cent.
Principal Articles of Exaport.-The prineipal atieles of export are tallow, hemp, and linx; raim, particularly whent; linsead, timber, eopper; hides potashes, lristles, hempseed oil, furs, war: fox lure nud s'puirrel skins; canvas ani eaarse linen, cordnge, civiare, wax, isinglass, guills, "ar de. Tallow, beth for candles and suap, is more largely exported from this than inm any otber port in the lialtice orelsewhere, andis an article of great commereial importance. [Tatiow.] Ilenp is of goorl pmatity, though infiner to that of liges: it is ansorted, necording vo its quality, iuto clean, or lirsts: outshot, or monds: and hulf-clean, or thirds. The lirst sort , bond be quite clean, and free from npills; the is less so; and the thirl, or half-choan, an: st a still greater portion of spills, and is, Wenke, of mixed qualities and eolonrs. Litssian Ala is much esteemed for the length of its fibre; it is aturnly brownish, but leecomes very white ate the first bleaching. 'Ihree qualities are distinguived; viz. 12 head, 9 head, and 6 heml. [HETr: FLaN.] Iron of good puality, and wefable to that from the other Russian ports, oi two kitads, old and new sables, the fiormer ?ills, the lest. It used to be exported in consderablequantities; but the slipments are now mach telnced. M. ale Tegoborski observes in tarard to the exportation of iron from hissia 'Biea ds personnes croient que puisque la Russie exparidu fer, c'est une prenve auteile en prooluit plos que ne porte les besoins de la consommation interieare. ©'est une maniere de juger tres-superfivelle D'aborl, eette exportation n'a janais tée trè-considérable; elle ne s'oleve plus quiu ention 600,000 ot 800,0000 poods, représentant un raieur dià pou près 1 million de roubles d'argent. Puisette exportation, qui ne se sontient que par labonne qualité de quelques espeees de nos fiers, tre--reherchées pour certains usages, n'est nullementune pre:se gue les besoins de lat consommation intriour.' soient satisfaits, ear si le fer on Russie itais ì meilleur marche, on pourrait consmantr plus du double de la production actaellc.' (i. Sthe) The grain Irade between this country and Petersburg is of very cousiderable importance; and kusia has become one of the prineipal sonrces of our foreigus sapplies.
But be far the larger portion of the wheat and all the lutian corn which come to us from Rusia are brought from Onessa, Taginniog, and otber ports on the Black Sen and the Sen of Azofi. The oats come priacinally from Archangel, but the exports from l'etersburg are also very coniderable. The Russian wheat (so called to dis inguish it from the azemaia, or suft wheat, and Dekubanka, or hard wlient) is the lovest descripion of wheat shipnel from Petersburg. It is saill-grained, aad dingy colonred; being, though and, anfit for the manufacture of fine bread. he azemaia is of a larger, though still not a ge grain, and better colour, and has of late en extensively imported into lingland. The thanka is a large semi-transparent grain. Its
indess has nothing of the flinty character of e Spaaish liard wheat, which it most resembles. hen fisst brought to Lonilon, the millers objected it, on account of the difficulty experienced in anding it; but it is now much esteemed. All Rusian wheats are well calculatel for keeping, ate in granary or when made into bread: but rubankn has this quality in a peculiar degree,
and is in freat temand for a ixing will other wheats that are old, stale, or out of condition. A shipment of 100 chetverts of wheat in l'eters. burg is found, when dilivered liere, to yield about 72 imperial quarters.
M. de 'Tequborsks, in his plaborate and ex cellent treatise on the Forces Productives de Ia Russie ( i .350 ), gives the following-
Account of the Gross ')umntitios and Vothes of all Sorts of Curn (IVhrat, Barley, Rye, and Onts, exvept ludiun Corn) Lisported from Inssia in Triennial Periods fiom 1821-26 (1) 1815-7, both inclucted.
\begin{tabular}{|c|c|c|}
\hline Yeas & Corn of all sorts & Value in Sil. Houldes \\
\hline 1421-26 & \[
\begin{gathered}
\text { cleet } \\
3,39,1 \div 7
\end{gathered}
\] & 11,913,200 \\
\hline 14,7-21 & 7,48tio.il2 & 2 1,111 \\
\hline \[
18,5 h-04
\] & \[
11,321.331
\] & 39.1107, 1111 \\
\hline \[
\begin{aligned}
& \left|\begin{array}{l}
14,3-7\rangle \\
14,5,-5,8
\end{array}\right|
\end{aligned}
\] & \[
\begin{aligned}
& 4,211,266 \\
& 7,510,249 \\
& 7,51
\end{aligned}
\] & \(10,3.57,9110 \%\)
\(31,43,200\) \\
\hline 18.30-11 & 8, sti, & -, \\
\hline 1812-11 &  & 40, 51,190 \\
\hline 1815-17 & 1.304086 & 115, 185\%\% 010 \\
\hline
\end{tabular}

And in 1866 (necording to Mr. Consul Mietell's: R'port), \(2,510,241\) chetiorts of brealstulfs were exported from St. Petersburg alone.

We extract from the same Comsular Report the subjoined statement, showing the total shipments of limsed from St. Petersburg is each decemiad period from 1771 to 1866 :-

- Right years' shlyments, as there was war in 1851 and 1855. \(t\) Sk ypars only. For ten years, at the same rate, the quamiities \(4,705,326\).

Estimated supply for 1867, about 650,000 chetverts, aqual to 455,000 imperial quarters.
I'rice of No. 1 for August, on Feb. 25 (Mareh 9), 55. 10d. to 47 s .

Imports.--The prineipal imports are sugar, especially from the IIavannah; coffee; madder, indigo, cochincal, and lye woods; cotton wool, cotton stuffs and yarn; machinery and mill wark; woullen fabrics nad woollen yarn; linen and linen yarn; silk goods; coals and salt, our exports of the former to Rinssia in 1857 heing 277,866 tons, and of the latter 79,826 toas; iron, lead, and shot; harthvare and cutlery; wines, especially champagne; spices; fruits; tobaeco; tea vî̂ Kiachtn ; with a great varicty or other articles.
Commercial Polic!.-The policy of Russia, previonsly to 1857 , in regard to commerce, was of a mixed character, with, however, a large predominance of illiberality. Machinery and m:ll-work, including ships with their tackle, steamers \&s., were admittell duty free: as were most other artieles necessary to the prosecution of art and scichec. But most artieles of consumption, and some even of those most neefssary in production, were either excluded or luaded with oppressive dutics. Those on iron, for example, were so very heavy that they went far to prohibit its importation, which did not exceed 10,000 or 12,000 tons a-year. And as the whele, or almost the whole of the iron made in Russia is smelted :y means of wood, it cannot be furnished except at a very high prices.

The Government authorities admit ted that such was the case. Thus it is stated in the Supplement au Journal de l'Intecrieur ( \(\mathrm{p}, 27\) ), March 4, 1853, that 'L'emploi exclusif de bois dases nes usines entrarg d'une maniere invincible le développement nltérieur de l'industrie de fer.' And it is firther
stated in the same article that such, in many parts of the empire, is the scarcity and high price of iron, that the peasnonts are all hot ignorant of its use, and neither employ it in their implements, nor even in shoeing their horses, whose feet ale left without any protection. It may be supposed, perhaps, that this can the true only of the more remote and backward districts; but such is not the case. And nothing is more eommon in the immediate vicinity of Petcrspurs and Moscow than for horses to be unshod, and mades, phourhwhares, harrows, and such like implements, to consist wholly of wood. See a remarkable and conclusive naragraph to the same effect in the work of 'Tegoborski, referred to above, i, 298.

It is really astonishing that any (rovernment, and especially one so genernlly inteligent as that of Russin, does not engerly adopt every possible means of putting an end to such a stnte of things, rud of adding to the etheacy of the labour of its subjects. And to introduce a better system, all that is required is to almit foreign iron and ironware free of duty; that is, to nllow the people frecly to exchange their corn, tallow de., for the iron and iron implements of England and the Netherlands. The extraordinary magnitude of the exports of corn from the empire, even with its present barbarous linsbandry, shows what they might smount to were arriculture a little improved, and means of communication opened from the interior to the scaports. Under such cireamstances there cun be little doubt that the exportation of corn, tallow, flax, bristles \&e., woukd speedily be doabled or trebled; nad the popmation and the Government would be enriched by abandoning a system which confers no kind of advantage on anyone, except, perhaps (for even that is very doubtful), a mere hundful of forest proprictors.

But \(n\) better systen commenced with the tariff introduced in 1867 , which, though in many respects most ohjectionable, effected sundry beneficial changes, and was a very great improvement on that by which it was preceded. It repealed various prohibitions, and effected large reductions in the duties on some importnnt articles. Pig iron, bars, and rails, that were formerly prohibited, were admitted at reasomale duties; the duty on cotton twist was reduced from 5 roubles per pood to 33 do.; while cotton, linen, woollen, and silk fabries, carthenware, sugar, salt \&ce., might all bo imported at considerably lower rates of duty than formerly. It is true that many of these duties were still much too high. But in matters of this sort it is a great thing to have laid the foundations of a better system. And as the reductions that have been made in the rates of duty did not oecasion any reduction of revenue, and have given a great stimulus to commerce, it would seem, from the issue of the still more liberal tarift of 1869 , that their prospective reduction from time to time may be anticipated. There can be no question that it will be at once the readiest and most effective means of developing the productive capacities of this vast empire.
Notwithstanding its reduction, the duty on raw sugar imported by sea now (1869) rather exceeds \(3 d\). per lb. English, which, for a country like Russia, is a great deal too high. But it has been imposed not so much for the sake of revenue, as to encourage the production of beet-root sugar, the duty on which is under 1d. per lb. Tegoborski has shown the pernicious influence of this system ever the trade and revenue of the empire, and the interests of the consumers. And this immense sacrifice is incurred for no better purpose than to di;ert a portion of the scanty carital and labour of
he country to a business of which the exentual sucesss, even with this extraordinary encumage ment, is, if not problematicul, not worth the cont. Spenking gencrally, the datics were formetly good deal higher (frequently as much as a thind part) on goods imported ly sea than on the same goods when imported by lund. This was a moot unwiso distinction, and in the tariff of 1889 it applics only to sugar mad tools. It matters nos through whint chamel an article tind its way to the consumers. Its cost is the only thing to wiich they attend. And if they ena get it cheaper hy sea than by land, why force them to resort to tibe dearer mode of conveyance? If this distinction the resorted to as a menns of raising revenue, it 18 perlaps, the very worst that can be devisel. The business of chovernment is to impose reasor, able duties on commolities, leaving it to thiosuljects to import, or procure them through the cheapest chamuels.
According to Thgoborski (iii, 37), and Mr. Cin sul Hichell, the imports of raw cotton and cotion varn inta the empire at differcut dates from \(18: 1\) 26 to \(18 t 6\) have been as under, viz.:-
\begin{tabular}{|c|c|c|c|c|c|}
\hline Youm & \[
\begin{gathered}
\text { Haw } \\
\text { Cotlont }
\end{gathered}
\] & \begin{tabular}{l}
Cotum \\
'limesal
\end{tabular} & Years & \(\xrightarrow{\text { Claw }}\) & Catich
Thrend \\
\hline & & - prods & & moadi & poods \\
\hline 18:1-26 av. & (14,264 & 38id81 & lisio. 47 av. & 1,759.149 & 34, \\
\hline 18.31-32 * & 11,5,596 & 3.53,64019 & 185500 ", & 1,12981312 & 31, \\
\hline 18.3.3-3.3 & 171.189 & \$414399 & 18.52 " & 1; 14.316 & H2it \\
\hline 14360-38." &  & 626,13 & 186.5 & 776, 514 & 3,46 \\
\hline 1834-11" & 321,511 & 512,125 & 1866 & 1,515,612 & :6,193 \\
\hline
\end{tabular}

It is seen from this table that the annux imports of raw cetton increased between! \(\times x+2\) and 185 ? from a mere tritle to about \(63,000,0\) lb., while the imports of yarn appear to har declined during the same jeriod to about \(\frac{1}{10}\) their amount at its commencement. But we cas not help regarding the extension of the cotor manufacture as a serious loss to Russia; fort suppose that a country without coal, withont in proved means of comr-unication, with ironata exorbitant price, and whose inhabitonts, thind seattered over the surface, are but just emerin from a state of proedial slavery, should suceed in mnnufucturing industry, is to suppose what is on tradistory and absurd. It may be fairly presume that under a free commercial system the prome of Russia in agriculture and in the ruder ma coarser species of manufacture would be passed by few other countries. But she bas aptitude or means for the successful prosedtio of the finer description of manufactures. And is mere felo-de-se policy to make her, as has bey done, negleet the former by forcing the cultiratio of the latter.

In addition to those on imports, some of most important articles of native grouth rag formerly subjected to luties on their being expel ed; the effect of these being to increase thirpin and narrow their sale in the foreign matitet \(B\) these have, for the most part, bean cither rpeat or reduced, and the tariff of 1369 impass dati on but 5 items of export ; viz. bone, not morke exeept burned or ground, 1s. per crit; lech 2s. 10d. per lb. ; silkworm eggs, is par rags, from 1s. \(11_{3} d\). to 4s. \(5 d\). per cmit; calamine or zine ore, \(3 \frac{4}{4} d\). per civt. It is a cm mon, thongh, perhaps, an exaggerated complai that the customs authorities are estremur a rupt; and the procedure in contested cases slo cumbrous, and expensive.

We may further observe that the scurncy the official returns of the trade of the empire not always to be relied on. They frequen involve very grave errors. And though t
of which the eventua traortinary encourage nl, not worth the eost. dutios were formerly a ly as nuch as a thint y sa than on the same lund. 'This was a mos II the tarifl of \(180^{2} 9\) it tools. It matters not article thuds its way to the only thing to whith \(y\) can gett it cheaper by ree them to resort to the ice? If this distinction of raising revelue, it \(x\) that can be devisel. nent is to inpose reason. ties, Jeaving it to the : rocure them through the
ski (iii. 37), anil Mr. (inof raw eotton ind cutbon different lates from 18.4 under, viz.:-
\begin{tabular}{|c|c|c|}
\hline Years & \(\underbrace{}_{\substack{\text { Haw } \\ \text { Colton }}}\) & \[
\begin{aligned}
& \text { Cerken } \\
& \text { Thuerd }
\end{aligned}
\] \\
\hline & prod & 5ras \\
\hline 1810.47 av. & 740, 149 & 514 \({ }^{\text {a }}\) \\
\hline 1818.50," & 1,549, & 15,913 \\
\hline 1851 & \(1.40,412\) & 12\% \\
\hline 18.52 & 1:4m & \\
\hline 1863 & \({ }^{7} 16.5613\) & -619 \\
\hline 1866 & 1,535,612 & ,6m \\
\hline
\end{tabular}
is table that the mona increased between \(1 \times:+-10\) ce trible to about \(63,000,00\) ts of yarn appear to hary same period to about \(\frac{1}{15}\) mmencement. But we and the extension of the cotton prious loss to Russia; fot: ry without coal, withoution or unication, with iron at at whose inhahitants, thin rface, are but just emernis al slavery, should succed is ry, is to supprose what isma - It may be fairly presuma nmercial system the progra iture and in the rader manufacture would be countrics. Iut she bas h? or the successful prosenta on of manufactures. And icy to make het, as has mer by forcing the eultiratio
ose on imperts, somed 1 cles of native grown duties on their beirg ex. being to increase theirpary in the foreign market b ost part, been either mead ariff of 1369 impose xport; viz, bone, aot rotise round, 1 s . per ent.; hechs ilkworm eggs, in pet 1. to 4s. \(5 d\). pet cuth; e, \(3 \frac{1}{4}\) d. per crit. and s, an exaggerated complain thorities are extremery pdure in contested cases isive. of the trade of the empire relied on. They frequent errors. And though th
were as aceurate nis they might bo made, they madnecessarily be very defective, inasmach as the take no account of the smuggling which is extensivaly carried on.
The charge sometimes male ngninst the Rasians of designedly underrating the exports to Eughad is wholly groundless. It uises from the rinumstance of many of the ships destined for Emplaid dearing ont for the Sound. And these Iking classed, in the officinl returns, numler the hand of cleared for 'other countries,' it is promotionally thourh wintentionnlly exaggerated, whik the clearances for England are proportion she and unintentionally diminished.
Inspection of Goods.-At Petersburg, Iiga, and other lialtic ports, when goods are brought from the interior to be shipped, they are inspected and davilicd aeconding to their qualities, by oflicers (backers) appointed by Government for that purtese, and sworn to the faitleful performance of their ' ity. All ports of timber, linen and canvas, dus and hemp, linseed nud hempsced, nshes, vas \&c., are subject to such inspeetion, 'I'lies' ane tencrally divided into three qualities: Krohn (uturn), or superior ; Brack, or midellirg: and Dacks-Brack, or inferior. This classification is s inl to bo, in most cases, made with considerable bimess, A factor or commission agent in litussin instructed to buy, on account of his correspondent in England or Jlolland, a speeitied quartity of any thactiptien of produce subject to the othejal visit, is nar liable to any action in the event of the artidebeing found ujon delivery to be of inferior quality, provided he produce a certificate to show that it had been officinlly inspected, or bracked. Hut i factor is at liberty; should any article delireed to him be manifestly defective, to name Ior"other brackers to decide whether the article be merchantable or not.
Jative and Foreign Merehants 8.c.-Every Rusian earrying on trado must bo a burgher, and have his name registered in the burghers' bobk All whose names are in this book aro either twismen who have property within the eitr, or members of a guild. There are three cuilds, Those who belong to the first must wases lo,000 silver roubles; they may engage in all sorts of commercial transactions, may establish banks, tit out privateers in case of war, and drive about the city in carriages drawn Wy two horses. Those belonging ta the second gruid declare themselves possessed of 6,000 roubles; they are not confined to inland trade, but they ean only import foreign goods worth 90,000 roubles. A capitnl of 2,400 ronbles entites its owner to adnission into the third fuil, whieh comprises shopkecpers and jeetty deales: The rates paid by the members of these muils amount to 1 per cent. upon their declared capital, the 'statement of which is left to the consciace of ivery individual.' Burghers are not obliged to serve in the army, out nany proride a substitute, or pay a fine. The guests, or oregig merchants, who enrol themselves in the ity register on acconnt of their commercina fiairs, eujoy privileges nearly similar to those njoved by members of the tirst guild.
Trabionkit gives (iii. 319) the following acmait the number of merchanas inseribed in pe different guilds, viz. :-
\begin{tabular}{|c|c|c|c|c|}
\hline Yean & 1at Guild & 2nd Guild & 3rd Guitd & Totai \\
\hline leit.4nam. & 5.7 & 1,874 & 33,516 & 36,301 \\
\hline  & 904 & 1,941 & 35,917 & 38,7\%6 \\
\hline 151:-49", & 873
864 & 2,13\% & 36,671 & 30, 671 \\
\hline 160.sy " & 864
941 & 2,293
2,391 & 37,774
42,327 & 40,926 \\
\hline
\end{tabular}
to each of the merchants of the first guild may amount, at an average, to 100,000 silver ronbles; to the second, to 40, to00 rombles; and to the third, to 1,000 ronbles. In aldition to the alowe there are about 4,500 small dealers with certiflentes.
It is useless to enlarge on the impoliey of thess distinctions. They prevent men of limited capital, bat of enterpiso and intelligence, from engaging in those branches in which they woult be most likely to succeed. The duties on guests, or foreign merchants, may, at an average, amount to about \(180 l\), or 1901 . a-vear.
None but mative linssians are allowed to engage in the internal trade of the comitry ; and hence a foreigner who imports goods into Russin, must sell them to Russians only, and at the port where they arrive. \(A\) few foreigners, indeod, settled in Russia, and having comections with the natives, do carry on a trade with the interior; but it is contrary to law, and the goods are liable to 'se seized.

The merchants engaged in foreign trade are mostly foreigners, of whom the English are the principal. The peenliar privileges formerly enjoyed by the latter are now nearly obsolete; and their rights, in common with .those of other forcigners, are merely those of guests. The English factory is, at present, little more than a society formed of some of the principal English merchonts, severnl of whem, however, do not belong to it: its power extends to little clse than the management of eertnin funds under its control.
Purchase and Sale of Lommodities \(\& \cdot \mathrm{c}\),-Owing to the scarcity of capital in Russin, goods, the produce of the country, are frequently paid for in advance; and foreign goods are most commonly sold upon credit. From the month of November to the shippring senson in Mny, the liussians who trade in tlax, hemp, tallow, bristles, iron \&e., cither come themselves to Petersburg, or employ agents to sell their goods to foreigners, to be delivered, ace ording to ngrement, in May; Junc, July, or Augnst. The payments are made accoriin. \(r\) to the circumstances of the sellers and buyers: sometimes the buyer pays the whole amomint, in the winter montlis, for the gools which are to be delivered in the summer or autumn ; and sometimes he pays a part on concluding the contract, and the remainder on delivery of the goods. The manufacturers and dealers in linen nisually come to Petersburg in March, and sell their goods for ready money.

Forcign goods were formerly almost entircly sold at a twelvemonth's credit, and some at it still longer term; but of late years several articles, as coffee and sugar, are sold for reaty moncy; still, however, the great bulk of foreign goods for the supply of the interior is sold on credit. Most pait of the Russians who buy goods on credit of foreigners, for the ure of i.te interior, have no other connection or trade with Petersburer than merely coming there once or twice a-year to : ake purchases; which having accomplishet, they set off with the gools, and the foreigner neither sees nor hears of them again till the bill becomes due.
It is obvious from this statement, that experience and sagacity are nowhere more requisite in a merchant than here. He has nothing, in fact, but his own knowledge of the native dealers to depend upon; and it is highly ereditable to the Russians, that foreigners do not hesitate to trust them with immense sums on such \(n\) guarantec. A foreign merchnut, carrying on business in Russia, must also be acquainted with the customary forms and obligations of contracts; the mode of making payments; the many formalities that encumber, \(3 \mathbf{Y}\)
and sometimes turn nside, the course of justice; the spirit, still more than the letter, of the tariff and tha Custom-honso regulations; the privileges claimed by the Crown, and the different orders ; with a variet \(y\) of other particulars, which attentive, able men may learn on the spot, and nowhere else.
-Another circumstance connected with the llitish trade is too curious to be pnssed in silence. Every mercantile house in l'etersburg employs certain men, enlled in the language of the country artelschichs, who are the counting-house men, and employed by every merehant to collect payment on bills, and to receive money, as well ns, inm many instances, to pay it in very eonsiderable sums. This is an important part of their trust. There being no bankers in Russia, every mercantile house keeps its own eash; and as the payments between merchants, and for bills of exehange, nro made entirely in bank notes of no higher value than \(5,10,25,50\), and 100 roubles-most of them in so tatterell a state as to require several hours to count over a sum of \(2,000 \mathrm{l}\). or \(3,000 \mathrm{l}\). -this business is performed by artelschicks; and very few instanees have oceurred of loes by their innttention, either in miscounting the notes, in taking false notes, or, where they are much torn, in receiving parts of different bank notes.
'These artelschieks are also employed to superintend the loading and unloading the different eargoes ; they reeeive the most valuable into the warehouse, where they are left solely under their care; and in these warchouses, not merely merchandise, but often large quantities of dollars, are deposited. These Russians are mostly natives of Arehangel, and the adjacent governments, of the lowest class: are often blaves, generally of the Crown; and the only security of the
merelant arises in somo degree from the natural reluctance of the Russim to betray condidenres reposed in hlm ; but in a muel greater fron their associntion, which is culted an artel.
- An artel consists of n certain number labourers, who voluntarily become responsible, at a body, for the honesty of each intivilual. The separate carnings of ench man are put into the common stoek ; a monthly allowance is mate for his support; and at the en! of the year the surplus is equally divided. The rumber varies in different associations from 50 to 100 ; anils wo advantageous is it censidered to belons to one of these societies, that 500 and even 1,0100 rondice are paid for atmission. 'These societios are nut bomud by any law of the empire, or even writen agreement; nor does the merchant restrain them under any legal obligation: yet there has bee no instanee of their objecting to any jut claim or of protecting an individunl whose condluet ha brought a demand an the society.' (Coxe Travels in Russia, vol. iii. p. 315.)
Marine Insurance.-The usual rates of mainc insurance at St. Petersburg are 1 to 6 per cent in the case of sailing vessels, and to to 3 cent. in the ense of steamers, according to the time of the year, the premiums rising nbout month of August. Marine insurances are peneal effected in London or Amsterdam. An insura company against fire has been estublisted Petersburg, and enjoys several privileges. It is joint-stock company, divided into actions or shater It has been very successful; and its shares ane a high premium. No insurance on houses orgwo in Russia, made in a foreign country, cail legally recovereal; no official doeuments of la being allowed to be fumished for such s purfow A life insurance company has also beea ett blished.

Trade of tife United Kingdom with Russia.
I.-Account of the Quantities and Values of the Principal Articles Imported from the Northen Ports of Russia into the United Kingdom in 1865-67.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Princlpal and other Articles}} & \multicolumn{3}{|c|}{Quantities} & \multicolumn{3}{|c|}{Computed Beal Valua} \\
\hline & & 1865 & 1866 & 1867 & 1865 & 1866 & 156 \\
\hline \multirow[t]{8}{*}{\begin{tabular}{l}
Hones of animals and fish (except whalefins) \\
Bcistlea \\
Candles, atearine \\
Cocdage and cables, not of tron \\
Com: Wheat \\
Oat: \\
Other kinda \\
Wheatmeal and flour
\end{tabular}} & & & & & & & \(\stackrel{i}{1}\) \\
\hline &  & 9,940
\(2,032,4,8\) & 8,142.079 & 1,7\%3,970 & \[
\begin{array}{r}
54,040 \\
858,345
\end{array}
\] & 428,461 &  \\
\hline & cwe. & 2,00, 10,493 & 2,12,055 & \(\begin{array}{r}1,78 \\ 9 \\ \hline\end{array}\) & . 36.111 & 2089,788 & 3, 3 , \\
\hline & & 16,238 & 13,997 & 11,462 & 30,475 &  & H, H \\
\hline & "' & & 1,509,741 & 1,353, 266 & 3742079 & 838,567 & 999,4 \\
\hline & " & 1,857,584 & 3,019,078 & 2,791,8.37 & 700,237 & 1,409,744 & 1,403s3 \\
\hline & " & 33,040 & 23,783
193,757 & 75,960 & 12,702 & 11118 & S8, 14 \\
\hline & " & 88
4,490 & 193,757
8,784 & 110,446
3,46 & 660
46098 & 179,079
27,318 & \(1(0) 404\)
\(31,(6)\) \\
\hline \multirow[t]{3}{*}{Flan, dressed. rough or undressed tow and codilia of} & " & 47,642 & 26,10.5 & 21,95, & 156,389 & 27,18 & 6, \(0^{3165}\) \\
\hline & " & 1,203,0060 & 1,016,749 & 918.433 & 3,122,549 & 2,785,449 & 9,statie \\
\hline & & 192,953 & 218.613 & 120,457 & 470,585 & 347,076 & 30045 \\
\hline Ilair, camel : : & 1 l & 691,388 & \(191,0.55\) & 667,061 & 20,165 & 6,231 & \% \\
\hline \multirow[t]{4}{*}{\begin{tabular}{l}
horse \\
liemp, drensed rough or undressed Hides, not tanned tow and codilla of
\end{tabular}} & cwt. & 2,159 & 3,277 & & 12,531 & 17,219 & 13 \\
\hline & " & 49,064
\(682,8.57\) & 34,918
\(\mathbf{5 9 5 , 8 6 8}\) & 36,473 & 119,976
905667 & 59,800 &  \\
\hline & & 682,857
4,944 & 393,868
4,577 & 488,648
8,605 & \(905,67 \%\)
6,140 & 925,511
5,792 & 8is, 10.9 \\
\hline & \(\cdots\) & 9,408 & 15,760 & 11,933 & 45,6\%0 & 70,426 & 11 \\
\hline \multirow[t]{2}{*}{tanned, tawed, curri-i, or In any way dress} & lb. & 7,49 & 79,1 & 24,946 & & 4,396 & \\
\hline & & 212,230 & 106,937 & 134,393 & 27,414 & 13,723 & F,ite \\
\hline Ifon in lars, un wrought & tons & 1,972 & 8,853 & , , 6970 & 31,539 & 84,833 & \({ }^{31514}\) \\
\hline chromate of : & & 8,748 & 5,000 & 7,370 & 41,667 & 41, 99. & 1, \\
\hline lafnglass \({ }^{\text {a }}\) & cwit. & 719 & 884 & 726 & 38,436 &  & 38, \\
\hline 1.fnen manufactures & value & - & * & . & 77,199 & \({ }_{17211} 60,35\) & \({ }_{\text {crad }}\) \\
\hline Mats and matting & tons & \%,134 & 8,460 & 8,959 & 41,292 & 68,645 & tail \\
\hline Pltch & cwt. & 23,437 & 48,894 & 35,624 & 11,135 & \% \(20,9 y 3\) & 13,100 \\
\hline Quills, goose and swan - & mber & 5,633,310 & 8,836,801 & 8,706,100 & 3,921 & 8,115 & 1,005 \\
\hline Rags and other materials & trns & 1,15 & 1,661 & 914 & 25,404 & 37,697 & 19.9 \\
\hline Seeda: linseed and flaxseed & \(\mathrm{qcS}^{\text {ct }}\) & 360,512 & 453,182 & 419,352 & 866,099 & 1,173,103 & 1,2m, 1 \\
\hline Sllk, raw - & 1b. & 2,408 & 3,8\%0 & 11,510 & 2,718 & 4,4127 & 9, \({ }^{\text {a }}\), \\
\hline T'allow & cwt. & 629,196 & 612,991 & 559,483 & 1,524,197 & 1,354, 3 , \({ }^{159}\) & 4, \\
\hline Wac - & lasta & 10,718 & 16,332 & 11,984 & 121,879 & 158,199 & \\
\hline \[
\begin{aligned}
& \text { nimbe } \\
& \text { split }
\end{aligned}
\] & loads & 211,418 & 191,855 & 1116,193 & 747,680 & 344,315 & , \\
\hline cals, bittens, boards & & 461,814 & 483,791 & & 1,639,55! & 1,589, 386 & 1,34,933 \\
\hline Wool lathwood & ' \({ }^{\text {B }}\) & 45,439 & \$1,199 & 37,623 & 95,012 &  & 6i, \(0^{10}\) \\
\hline Wool or hair, Roata' \({ }^{\text {Wool, sherp and lambs* }}\) & & 6,816,511 & 9,696, \({ }^{23,4619}\) & 3,47\%\%,952 & 371,952 & 4an, 5 \% \({ }^{\text {a }}\) & 169,991 \\
\hline Yarn, calie - & & 10,775,843 & 1\%,906,730 & 12,947,990 & 159.494 & 185,906 & 2 25.5384 \\
\hline All other articles & value & 10, & .. & & 111,864 & 2376, 193 & 149.9 \\
\hline Total & & , & . & & 12,349,801 & 13,536,42 & 11, 111997 \\
\hline
\end{tabular}
egree from the naturil to betray eundidenes nueh grenter from their d an artel. a certain number - each indivilual. The 1 man are put inten the y allowance is male for a end of the yar the d. 'The rumber varie from 50 to \(100 ;\) and lered to belour to one
and even \(1,04()\) rouble 'these socictios ure m empirc, or even written merchant resa rain them tion: yct there las herz
jecting to any just clam, ridunl whose conduct hat a the saciety:' (Coxe' iii. p. 315.) The usual rates of matiog vessels, and \(\frac{1}{6}\) to 3 p vessers, necording to the remiums rising about the ine insurances are geneally Amsterdam, An insurad has been estnos. It is ividel into actions or shate essful ; and its shares are insurance on houses or gou a foreign country,
0 official documents of urnished for such a purpem mpany has also beea ett

\section*{sasi.}

1 mported from the Worther 65-67.
Computed Heal Value


II-Account of the Quantities und Declared Values of the Principal Articlcs of the Produce and Munuficture of the United Kingdom, Exported to the Northern Ports of Russia in 1865-7,

H.-Acount of the Exports of Foreign and Colonial Produce and Manufactures from the United Kingdom to the Northern Ports of Russia in 1865-67.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Prisipsl and other Artcles}} & \multicolumn{3}{|c|}{Quantiles} & \multicolumn{3}{|c|}{Computed Real Value} \\
\hline & & 1865 & 1866 & 1867 & 1865 & 866 & 1867 \\
\hline & & & & & & & \\
\hline  & cwt. & 2,465 & \({ }_{\text {2, }}^{2,976}\) & 3,297
2,495 &  & 30,033 & \({ }_{46}^{28,918}\) \\
\hline \({ }_{\text {cole }}\) cote & fib. & 4,774,366 & 4,853,333 & 4,670, 1407 & 158,775 & 160,653 & \\
\hline  & cmi. & & \({ }^{3800374}\) & 427,254 & 2,463,233 & 2,413,449 & 2,033,1159 \\
\hline & & 214 & 191 & 364 & 5,1070 & 4,636 & \({ }_{7}^{2,010}\) \\
\hline Gum Lar, shellihe & cwi. & \(1{ }^{1} 6670\) & 1,413 & 1,644 & 7 7,077 & 5,471 & 3,617 \\
\hline Ham, nutimethed & " & 3,033 &  & 1,880 & & & \({ }_{\text {cter }}^{4,378}\) \\
\hline  & " & 8,0×6 & 8,5,30 & 7,3,56 & 243,625 & 253,350 & 24,193
\(\mathbf{2 4 7 , 5 9}\) \\
\hline Wraved & tons & 514 & 501 & 3,109 & & \% 2,371 & 8,910 \\
\hline Mimangun mod & & 319 & 183 & 101 & 6,487 & 2,5,59 & 1,667 \\
\hline  & cwt. & 4,4,23 & 8,186 & 3,939 & 9,565 & 19,101 & 9, \(\mathbf{F}_{1}\) \\
\hline (aismum : & & 6.16 & & \({ }_{3}^{49}\) & 848 & & 1,9115 \\
\hline Prper & 16. & 433,641 & 887,033 & 473,309 & 6,343 & 5.645 & 6,903 \\
\hline Prrolers, reated and unrefined & tuni & 91, 91 & \% 858 &  & \%,843 & 14.659 & 3,7\% \\
\hline  & cwi. & 87,641 & 44,1091
21,506 & 197,080 & -9,039 & , \({ }^{24,604}\) & \({ }_{\substack{11,292 \\ 10,166}}\) \\
\hline Stamet & & 1,903 & 2,01020 & \(1,1 \times 1\) & 27,782 & 32,084 & \\
\hline 914, ar & & 124 & \({ }^{2,702}\) & 14,051 & 163 & 3,591 & 18,149 \\
\hline 7 & " & 353,448 & 4,491,0433 & 2,483,915 & 46,148 & 359,417 & 191,893 \\
\hline 70 & & 178,990 & 52,898 & 20,691 & 6,638 & 1,9 & 6.97 \\
\hline Waod lor lip-building, viz. & da & 42,334 & 11, & 88, & 12.578 & 14,3 & 18,007 \\
\hline Wod lo dip.buididing, viz. & \(\xrightarrow{\text { loeda }}\) ib. & 1,039 & 13,608 & 1,014 & 12,0,0w & 3,489 & 9,919 \\
\hline Hal abie muxies & value & 309,614 & 13,608 & & ( 97.901 & \(11{ }^{1,691}\) & 10,692 \\
\hline 7 cas . & & . & . & .. & 3,1097,566 & 3,5341,668 & 3,046, 066 \\
\hline Toud ofrtith and Forelga produce & & .. & .. & . & 3,673,920 & 6,316,816 & \(\frac{6,514,202}{}\) \\
\hline
\end{tabular}
IV.-List of Prices of Russian Produce, 1866.

-The following were the Average Rates of Fxchange on London, at the Port of Petersburg, between the Years 1857 and 1866.


The shipping season commenced in 1866 with \(\mid\) some very interesting and important particulars in tbresking up of the ice on April 21 (May 3), respect of the Russian corn and linseed trade; - losed on November 10 (22), having been Mer by two days than in 1865. the following tables (VII. and VIII.) give loing stated.
VI.-Tuble showing the Mediam Rouble Price and the corresponding Sterling Cost, free on board ut Cronstudt, at the average Mates of' Exchange, of the Primeipul Articles of Export from St,
Pctersbury between 1857 and 1866 .

VII.-Account of the Corn Sown and Reaped in Russia in Europe (not including Poland or Findund Compiled from the Reports of Governors, 18E9 and 1863.

- Chelvert \(=\) - 682 quaricr.
\(\dagger\) Abous 161,145,000 quarter.

Linted．－The following Table as to shipments and contract prices，are borrowed iom Nessrs． fiom St，Petersburg from the commencement of Cattley \＆Co．＇s statistics．The first shipment be trade，and other particulars as to destination was made in 1771，

Table No．VIII．
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Years & \[
\text { Shipment }_{\text {Total }}
\] & Of which
deatined to Hull & Contract l＇ricer of No．1，per Imp．ifr．f．o．6， & Years & Total
shumprat & \[
\begin{aligned}
& \text { Of which } \\
& \text { desmex to } \\
& \text { Mull }
\end{aligned}
\] & \[
\begin{aligned}
& \text { Contract Prices } \\
& \text { of No. D, ber } \\
& \text { fulp. qr. f.o.b. }
\end{aligned}
\] \\
\hline 178 & \[
\begin{gathered}
\text { chelveris } \\
1,10 \\
1971
\end{gathered}
\] & chetrers & －．\({ }^{\text {d }}\) & &  & cheivert & \[
\because d .
\] \\
\hline  & \[
\begin{aligned}
& 997 \\
& 90107 \\
& 907
\end{aligned}
\] & & &  &  & \＃\(\because\) &  \\
\hline 鸩 & 14， 4174 & \(\because\) & \(\because\) & MAM & 3， 5 & \(\because\) & \\
\hline \({ }^{14 \%} 6\) & 11，49 & \(\because\) & ： & （188， & － 43,649 & \(\because\) & \(\because\) \\
\hline \％ & 18，451 & \(\because\) & \(\because\) & \％\(\times 25\) & Sk，109 & & \\
\hline \％ & \({ }^{13,921}\) & \(\because\) & ． & （427 & －34，\({ }^{34} \times 191\) & 14，998 & \begin{tabular}{lll}
89 & 0 \\
31 & 8 \\
\hline
\end{tabular} \\
\hline \％ & 15,744
15,482 & \(\because\) & \(\because\) & （182\％ & 14，494 &  & 速 \\
\hline \％ & \％ \(8,7 \times 9\) & \(\because\) & \(\because\) & \({ }^{1} 8890\) & （16， 6,249 & 33，017 &  \\
\hline 18， &  & ：\％ & ： & （1831 &  &  & 3sis \\
\hline 1163 & 88， 2.25 & \(\because\) & \(\because\) & （ks32 & （13， & － 34,1038 &  \\
\hline \({ }^{1 \times 6}\) & 81,742
82,235 & \(\because\) & \(\because\) & （1974 & 144， & 39，132 & \(4{ }^{48}\) \\
\hline \(1{ }^{188}\) & 45，\({ }^{\text {c9l }}\) & \(\because\) & \(\because\) & \({ }_{\text {1836 }}\) & － &  & \(3{ }^{41} 10{ }^{2}\) \\
\hline 189 & － & \＃， & \(\because\) & 1837 &  &  & \(31.0{ }^{31}\) \\
\hline Hat & 13，592 & \(\because\) & \(\because\) & 1839 & － &  & 356 \\
\hline \％193\％ & － & ： & \(\because\) & 1840 & \％96，613 & 189，901 & \({ }^{44} 8\) \\
\hline 1：9 &  & \(\because\) & \(\because\) & 1818 & 8． 86,684 & 79，407 & \({ }_{66} 6\) \\
\hline 迷迷 & 63,963
68,141 & \(\because\) & \(\because\) & （184， & 315，077 & － & 350 \\
\hline 碞 & 34，951 & \(\because\) & \(\because\) & \(1 \times 45\) & \({ }^{385} \mathbf{5} 66{ }^{2}\) & 146,937 & 410 \\
\hline 17998 & \({ }_{85}^{73,272}\) & \(\because\) & \(\because\) & （1846 & 1115，530 & － 878.978 &  \\
\hline （1890 & cis， & \(\because\) & \(\because\) & \％18 & － 8789,195 & 127，433 & 36 36 \\
\hline \({ }_{1001}^{1500}\) & － & \(\because\) & \(\because\) & （1889 &  & 133,643
114,23 & \begin{tabular}{lll}
38 \\
44 \\
4 & 7 \\
\hline
\end{tabular} \\
\hline \(1{ }^{145}\) & 6：，139 & \(\because\) & \(\because\) & 1881 & 24， \(2 \times 108\) & 1zi，\({ }^{18}\) & 3， 8 8／ \\
\hline 1930 & 37，611 & \(\because\) & \(\because\) & \({ }_{1853}\) & － 3051037 & 196,313
19693 & \(\begin{array}{lll}35 & 5 \\ 35 & 5\end{array}\) \\
\hline \({ }^{14 \times 1}\) & 40，638 & \(\because\) & \(\because\) & ¢831 & War & \(\cdots\) & \(\cdots{ }^{-1}\) \\
\hline － & \(\mathrm{War}_{4,067}\) & \(\because\) & \(\because\) & （1836 & 327，411 & 290，493 & 539 \％\({ }^{\circ}\) \\
\hline 160 & War & \(\because\) & \(\because\) & 1858 & 841，745 & \({ }^{143,565}\) &  \\
\hline ，\({ }^{\text {nis }}\) & 25，981 & & \％ & 1889 & － 81.14 .159 & － 2478.008 & \(4{ }_{4}^{46} 8\) \\
\hline \％ 31 & 18,013
64,966 & \(\because\) & \(\because\) & （1861 & 179，\({ }^{1767}\) & 146,141
820,581 &  \\
\hline cis &  & \(\because\) & \(\because\) & \({ }_{185}^{188}\) & 317534 & \％38， 385 &  \\
\hline （19168 &  & ：． & \(\because\) & （1865 &  & 316,719
897,23 &  \\
\hline 1618 & 39.012 & ．． & & \(1 \times 66\) & 336，338 & 416.567 & 35 3 （ \\
\hline \multicolumn{4}{|c|}{\multirow[t]{2}{*}{Summary．}} & \multicolumn{4}{|l|}{\multirow[t]{3}{*}{\[
\left\{\begin{array}{c}
\text { Price of No. } 1 \text { for August, on }\left\{\frac{\text { February } 25,}{\text { March } 9,}\right\} \\
45 \mathrm{~s}, 10 \mathrm{~d}, \text { to } 4 \overline{\mathrm{7}} \mathrm{~s} .
\end{array}\right.
\]}} \\
\hline & & & & & & & \\
\hline Yers & \multicolumn{2}{|r|}{Total Shipped} & Shipments to & & & & \\
\hline \multirow[b]{5}{*}{} & \multicolumn{2}{|r|}{\multirow[t]{2}{*}{\[
\begin{gathered}
\text { chetrerts } \\
1118.455 \\
979,160 \\
487,758
\end{gathered}
\]}} & chetrerts & \multicolumn{4}{|l|}{Finland．－The trade with Finland during the years 1863－5 was ns follows：－} \\
\hline & & & & \multirow[b]{3}{*}{Imports} & \multirow[b]{3}{*}{\(:\)} & & 865 \\
\hline & & & & & & & \\
\hline & & 4，913 & 8i7，136 & & &  & \begin{tabular}{l|l|}
\hline 990 & \begin{tabular}{l}
\(2,992, .002\) \\
\(1,287,945\) \\
\hline
\end{tabular} \\
\hline
\end{tabular} \\
\hline & & 3 &  & \multicolumn{4}{|l|}{} \\
\hline
\end{tabular}



The chief trade being carried on at Helaing－ fors，Wiborg，and Abo．The chief imports aro manufactured iron，coffee，nnd other colonial produce，the exports being timber and fish．

The following Table shows the total value of the
Estimated supply for 1867 ，ahout 650,000 chet－ velt，equal to 455,000 imperial quarters． imports and exports，exclusive of specie，by each

Table No，IX．
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow{2}{*}{Ports} & & & \multicolumn{3}{|c|}{Imports} & \multicolumn{3}{|c|}{Exports} \\
\hline & & & 1861 & 1862 & 1863 & 1861 & 1862 & 1863 \\
\hline & & & & & & & ¢ 45 & \\
\hline Phrland & ： & ： & 79,975
\(\mathbf{3} 51,736\) & 85,335
437,376 & 104,614
475,995 & \(1,078,180\)
611,415 & 1，118，45．5 & \(\mathbf{7 5 1 , 6 8 . 3}\)
957,678 \\
\hline Satic ． & & & 15，775，936 & 19，191，173 & 13，513，504 & 10，737，517 & 11，354，8，0 & 10，16，3，139 \\
\hline Eurpean land frontier： & ： & ： & \(15,175,3.36\)
\(4,490,684\) & 6，499，949 & 4，54，3，42．3 & 3，508，38．5 & 4，057，761 & 3，113，866 \\
\hline & － & － & & 9， 254,187 & 2，017 796 & 9，987，132 & 8，605，540 & 7，008，74x \\
\hline Tran．Sucasian frontier & ： & ： & 2， 716,732 & 2）980，505 & 2926，071 & & 470，501 & 819.31 .3 \\
\hline Ampilhan \({ }^{\text {and }}\) & ＂ & － & 126，432 & 147，65\％ & 810，645 & 41，706 & 6K， 149 & 43，446 \\
\hline Smivura and Siberia & － & － & 1，345，335 & 1，486，413 & 1，545，448 & 951，370 & 873，461 & 736，613 \\
\hline Kiachta and China Amoor． & ： & & 1，176，697 & 1，353，884 & 1，114，373 & 760,862 & 695，382 & 347，739 \\
\hline Total & & & \(\cdots\) & \(\cdots\) & \({ }_{4} \mathbf{3} 519\) & \(\cdots\) & ． & － \\
\hline Total \({ }^{\text {a }}\) & & & 26，459，363 & 99，201，413 & 24，493，849 & 2N，053，498 & 28，56\％，038 & 24，4．58，250 \\
\hline Duty recelvei & － & － & 4，607，112 & 4，642，756 & 4，854，352 & 300，865 & 290，919 & 488，299 \\
\hline
\end{tabular}

The following table，compiled from a retırn the exportation of Russian produce through St． solished by Messrs．Maynard and Fiahwicks，Petersburg in 1864－66．The increase，ns will be inping sgents at Cronstadt，gives an account of \(\mid\) secn，is chiefly to Great Britain．
X.-Tuble showing the Principal Items of E.xport from St. Petersburg to Great Britain betwern the Years \(186 i 4\) and 1866.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{5}{|c|}{\multirow[t]{2}{*}{12escription of Goods}} & \multirow[t]{2}{*}{1861} & \multirow[t]{2}{*}{1865} & \multirow[t]{2}{*}{1866} & \multicolumn{2}{|c|}{13t5-146fif} \\
\hline & & & & & & & & Increase & Therestue \\
\hline IVemp & - & - & - & prods & 1,183,394 & 1,116,625 & 1,231,982 & per cell. & \\
\hline Plas. & : & : & . & " & 924, 4198 & 99\%,117 & \% 8101,428 & & \[
\begin{aligned}
& 13 \\
& 1,
\end{aligned}
\] \\
\hline "inol & & & & " & \(21 \mathrm{li,171}\) & \%16, 17 & 301,035 & 3ii) & \\
\hline Tidlow & , & . & - & " & 1,515,502 & 1,916,380 & \% 011.110 & f\% & . \\
\hline 1, invered cake & - & : & : & &  & \% \(11, \mathrm{NCl}\) & 119.1836 & \(7{ }^{1}\) & .. \\
\hline  & - & - & & chetretts & 391, 387 & 388 & 141,230 & 211 & " \\
\hline W,15 & : & - & - & \(\because\) & 66.434 & 674.462 & 1,133,291 & 6\% & .. \\
\hline Wheat tour & - & : & . & bags & de999 & & 12\%,426 & 6 & ". \\
\hline 1.nti, woonl & - & - & & pieces & 607,531 & 1,099,900 & 979,926 & \(\because\) & \(i\) \\
\hline Jeals & - & - & & and. dor. & 303,192 & H10,113 & 446, 11, 9 & \(\because\) & 3 \\
\hline
\end{tabular}
XI.—Table showing the Principal Items of Import at St. Petcrsburg from Great Britain, betzen

XII.-Table showing the Principul Items of Import this indirect effect, there can be no manner of dosh into St. Petershurg from Countries in Europe during the Year 1860, and the Inerease or Decrease of Importations as compared with 1865.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{(ioods} & \multirow[b]{2}{*}{Quantly} & \multicolumn{4}{|l|}{As compared with 1865} \\
\hline & & Increase & \[
\begin{array}{|}
\text { Per } \\
\text { cent. }
\end{array}
\] & rea & \[
\left\{\begin{array}{l}
p_{\text {Per }} \text { cent }
\end{array}\right.
\] \\
\hline & & Quantity & & Quand & \\
\hline \[
\begin{aligned}
& \text { Sugar, raw amd } \\
& \text { croshed poods }
\end{aligned}
\] & 1,553,309 & 114,013 & 15 & & \(\because\) \\
\hline  &  & & 10 & 9,892 & i \\
\hline  & & & & 2,302 & 10 \\
\hline Tolaace - " & 3x, 668 & \({ }^{218}\) & 1 & , & : \\
\hline  &  &  & & \(\because\) & \(\because\) \\
\hline Spirituous 110 poors & & & 214 & & \\
\hline of quar pros & 6,34,931 & 139,104 & 3.3 & - & \\
\hline Fruit - No. & 28,907,474 & 10,761,0.16 & \(1{ }^{1}\) & \(\because\) & \\
\hline iron, unmanu- & & & & & \\
\hline \({ }_{\text {cactured }}^{\text {cast }}\) & 990, 968 & 497,513 & 43 & \(\because\) & \\
\hline Cotton, raw & 1,343,642 & 787,139 & 101 & & \(\because\) \\
\hline Woollen yarm: &  & O & 21 & 2,188 & 6 \\
\hline silk, raw and & & & & & \\
\hline ¢ spun & 31,623 & 6,272 & 4, & :. & \(\because\) \\
\hline Other dyc & & & & & \\
\hline  & 709,328 & 167,102 & 30 & - & . \\
\hline \({ }_{\text {flax }}{ }^{\text {factures }}\), & 160 & .\(^{504}\) & 8 & \%̈38 & 7 \\
\hline silk " - \("\) & & & 441 & -. & \\
\hline \(\underset{\substack{\text { Woollen } \\ \text { Iet roleum } \\ \text { a }}}{ }\) & 212,933 & 78,645 & \({ }_{462}\) & \(\because\) & \(\because\) \\
\hline Other goods, value In roublea & 25,571,695 & 2,821,364 & 22 & & \\
\hline Total values, silver
roubles & \(63,700,263\)
\(10,164,000\) & 4,094,104 & 403 & & \\
\hline
\end{tabular}

Before the tariff reforms of 1857 , the value of the exports given above (Table XIII.) was only a little more than \(1,000,000 \mathrm{~L}\) sterling. It is most likely, indeed, as already observed, that the increase may have been in some degree occasioned by a decrease of clandestine importation. But, independently of
that there has been a large increaso of cunsumptid It may be observed with reference to our inl with Russia, that a large proportion of the bitith slips and produce destined for Odessa andothat ports oll the Black Sea, and the Sea of Azs clear out for Constantinople, and are includa among the clearances and experts for 'furket: XIII,-Table shouing the Principal Iem Export from St. Petersharg to Countriu Europe during the Year 1866.
\begin{tabular}{|c|c|c|c|}
\hline \multirow{3}{*}{Goods} & \multirow{3}{*}{Quantity} & \multicolumn{2}{|l|}{As comparea wibles} \\
\hline & & Incrrase & se \\
\hline & & Quantily & Per cemt \\
\hline \({ }_{\text {Plax }}^{11 \mathrm{map}}\) - poods & 1,738,778 & & \\
\hline Tallow & 2,326,972 & 197\% 318 & 31 \\
\hline Hides, raw & 2, 69.981 & 47,693, & 65 \\
\hline lieather, yufls ", & 12,99
401,45 & 277,123 & 271 \\
\hline Copper - & 9.419 & .: & \\
\hline \({ }^{\text {Brateg }}\) & -72,36, & & \\
\hline Limen - pleces & 19,380 & & \\
\hline 11readstufs - ct & 2,510,24 & 1,398,396 & 1851 \\
\hline  &  & 9,603 & 1,1i1 \\
\hline Potashes - poods & \(53,3,531\) & & \\
\hline Mats and bags, prieces & 218,500 & 30, 32,106 & 124 \\
\hline Miscellaneous \({ }^{\text {B }}\) - roods. & 18, 994, 89.89 & 1,77,966 & 129 \\
\hline Total value \(\ln\) xblm. & 55, \(536,0 \% 0\) & 8,151, +288 & \\
\hline \multicolumn{4}{|l|}{Note.-In 1866 the exportation of gold and alre frat Petersburg exceedde the jopporiation by \(14,51,30\), whe (1,423,00(1.).} \\
\hline \multicolumn{4}{|l|}{Average Annual Exportation of Woolfron \({ }^{\text {rum }}\)} \\
\hline & & & \\
\hline  & \[
\begin{aligned}
& 19,813, \\
& 33,5173 \\
& \hline 30,
\end{aligned}
\] &  & \\
\hline \begin{tabular}{lll}
1884 \\
1834 \\
\hline 1833 \\
\hline 18.37
\end{tabular} & 111,516 & \({ }_{1861} 185\) & , \\
\hline 18361841 & 375,680 & \(1869^{\circ}\) & \\
\hline In 1818 & - 436,181 & 1863. & \\
\hline
\end{tabular}

WIV-Account of the Real Vulue of the British Prolucts and Manufactures Exported from the Uniled Kingulom to Russia in euch of the 7 leurs ending with \(186 i 6\).
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{3}{*}{Wirthem ports Awhern ports Total .} & & & 1860 & 14til & 1868 & 1863 & 1861 & 186.3 & 1866 \\
\hline & * & - & \[
\begin{gathered}
\text { 2,45,576 } \\
342,915
\end{gathered}
\] & \[
\begin{gathered}
\text { 2,6f1,0 } \\
379,96 i
\end{gathered}
\] & \[
\begin{gathered}
1,71, x, 462 \\
3 \div 7,116 i 1
\end{gathered}
\] & \[
\begin{array}{r}
\varepsilon_{1}^{\prime} \\
2,12 \pi, 434 \\
471,11
\end{array}
\] & \[
\begin{array}{r}
2,57,170 \\
471,2,33
\end{array}
\] & \[
\begin{array}{r}
\mathcal{L}, 351 \\
4,54,35 \\
\hline 33,5 \% 2
\end{array}
\] & \[
\begin{gathered}
\boldsymbol{x} \\
9.664,118 \\
346,871
\end{gathered}
\] \\
\hline & - & - & 2. \(3,4684,479\) & 3,041,418 & 9,171,623 &  & 2,416,409 &  & 3,163,019 \\
\hline
\end{tabular}

Sl.-Tuble showing the Comparative Tonmage of the British und Foreign Vessels that Fintered the Ports of Cronstudt and St. Petersburg between the Yeurs 18006 and 1866.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{lians} & \multirow[b]{2}{*}{\[
\begin{aligned}
& \text { Total } \\
& \text { Tomake }
\end{aligned}
\]} & \multicolumn{2}{|c|}{2litsh} & \multirow[b]{2}{*}{Iutch} & \multirow[t]{2}{*}{\[
\begin{aligned}
& \text { Swelish } \\
& \text { and } \\
& \text { Norweglan }
\end{aligned}
\]} & \multirow[b]{2}{*}{llussian} & \multirow[b]{2}{*}{Prusian} & \multirow[b]{2}{*}{French} \\
\hline & & Tonnage & I'er cent. of totel & & & & & \\
\hline 168 & 529,104
\(4 \times 6,74\) & 218,112 & 48
45
4 & 67,178
64.8194 & \(41,4.11\)
4,178 & 19,286 & 35,506
21.778 & 120,960 \\
\hline N4\% & 4 &  & \(4{ }^{48}\) & 40,316 & \% 26.1181 & 14.218 & 26,372 & 10, itiz \\
\hline (10) & 514.80 & 4,53,726 & 49 & 19, 1966 & 25, 238 & 40, 110 & 45,101 & 14,114 \\
\hline 160) & 43,148 & 22783.38 & 30
35 & 30, 366 & 27,261 & 31,252 & 20, 18.48 & 12,6ies \\
\hline 10:1 & 172,604 &  & 60 & 33, \({ }^{3}\) & 10, 910 & 35, 5.56 & 1, 0,371 & 10,146 \\
\hline limit &  &  & 61 & 44,ion & 21.9 .38 & 4., 10.10 & 16, \({ }^{\text {m, } 56}\) & 13,140 \\
\hline 146 & 471, & 3113516 & 73
69. & \(3.8,416\)
3 3i,6,34 & 2010,46
16,971 & 16,774 & 7,684 & 13,214 \\
\hline lwis & \(511,0,28\)
6619,920 & 333,116
111,208 & \(691 \%\) & 36, & 111\%2\% & (163,258 & 16,384 & 12,699 \\
\hline Toul. & 5, 1910,074 & 3, 1159, 164 & .. & 497,072 & 296,tiot & \(266.14 \%\) & 228.1062 & 130,3\% \\
\hline Pex cent. & \(\cdots\) & 86 & \[
\begin{gathered}
\text { Averige } \\
315 \\
\hline
\end{gathered}
\] & 9 & 31 & 41 & - \({ }^{\prime}\) & - 3 \\
\hline
\end{tabular}

In addition to the modifications of tho tariff,
the measures the Russian Government have
alequel in regard to the emancipation of the lases and the construction of rnilways, are of the hiphes importnace. The enpacitics of productin rasessel by Rassia nre not surpassed by thase of any other conntry, and their grenter development cannot fuil to give a vast stimulus ta bet trale and civilisation, and to add greatly to ber political intlucuce.
The relative amount of tonnage supplied by Great Britain at St. l'etersburg between this vens \(185 b^{2}\) and 1866 has therefore been as fol-


Important as the Russian trade of this country , it does not now occupy such a position as it Wat the time when nearly the entire supply of csay raw materials of mmufncture was derived Vin Russia. Such were hemp, flax, and tallow, hestaplecommodities of that great empire, besides on in seasons of scarcity. At present, however, ary other kinds of fibre are used as substitutes Themp, as esparto, jute, coir, and Manilla hemp. inilar facts may be stated of flax, while the umber and variety of substitutcs for taliow, as means for supplying artificial light, and for the kuffacture of soap, are even more striking. ha supply of corn too is ycarly becoming more d more extensive. For the financial position Russia, see the Report of Mr. Consul T. rctell, of June 1867, on the finances of the pive, and M. Walewski's Les Finances de la
usie, which gives an unfavourable estimate of present state of the country:
In compiling this article, we have consulted mnitaler, Essai d'une Statistique Générale de la aie, pp, 133-157; and his Russie, Pologne, et hande, pp, 187-289; Ricard, Traité Géneral du mmerce, ed. 1781, ii. pp. 268-317; Tegoborski, reu Productives de la Russie, passim ; Coxe's arels in the North of Eutrope, 8vo. ed. iii. pp. -358 \&c.; Clark's Russian Trader's Assistant, luable aad useful work; Supplément au Jourde St. Peitersbourg, for 1852-53; Consular wrns from Petersburg and Odessa; especially

Mr. Consul Michell's elnborate .and valunble Report for 1866; but we have derived our principal iaformation from the official returns published by Government, nnd private communications of eminent Russian merchants.

PETROLEUM. 'This substnnee, which has been known for \(n\) long period ns rock oil or naphtha, is found in various parts of the workd. It was known to 1 [erodotus as existing in Zante. and formed the source of the fire which the anclent l'ersians worshippel. 'lill lately, the bestknown sources were the borders of the Caspinn Sen, Amiano in ltaly. Trinidad in the West Indies, and Rangoon in the East Indies, where vast quantities have been raised for many centuries, without apparent exhaustion. It is only lately, howerer, that petroleum has been an ouject of grent commercial importance, owing to the extraordinary abundance (nbont 14,000 barrels a-day) in which it has been found in the United States.
The principal source of supply is Western Pennsylvania, but it has been found throughout a region commencing in Western Canada, and extending through New York and Pennsylvania, westward into Ohio and Kentucky, and far southward into Western Vir \({ }^{\text {inin}}\). It appears that it nlso exists largely in California, and that it is likely to be as instrumental in increasing the wealth of that wide region as gold and quicksilver. It frequently rises with overflowing springs, but the most abundant source of supply is from wells bored into the oil-bearing region. The depth at which it is found varics from 71 to 600 feet, a solid rock overlying it. It is supposed to be supplied from the natural distillation of carbonaceous matter, the agent being subterrancan heat. In some districts the amount of coal-gns generated with it is so large thas the gas is used for economical purposes.

The trade, \({ }^{2}\) ot petroleum has assumed immense proportions. Whe following are the exports from Boston, New: Hork; Philadelphia, and Balti-more:-

The bome consumption of 1866 was \(39,416,149\) gals., and the total value of the product 47,210,379 dollars, or \(7,263,1361\).
The yield of this substance in the United States has been stated to be as follows:-

PEWTER


The lapgest London, llavre, and Marscilles, these flve poris receiving \(912,91+\) barrels out of \(1,462,049\) exported from the 4 American ports just mentioned. But there is searcely a port of any consecpuence in Eiurope to which consigmments of this oll ure not made.

The price of the oil at the wells, in 1860, aceording to Mr. Consul Cortwright, was only 2 dols, (curreney), 6s. \(\boldsymbol{i d}\). per harrel, wherens the carriage to l'hilaidelphia nnd New York nmounted to 4 dols. (13s. 2d.) per barrel. To remedy this state of things, it has been propered to lny down a vast oil pipe from the wellis to the sea-const. 'So Important is petroleum,' adds the Consul, 'as a substitute for fuel, that, oidd as the project is, it is not impossible that it may be realised." See also the work on l'etroleum of Messps. Daddon and BanHan, of l'oltaville, United States, 1866.
In 1867, exclusive of 1,166 tuns of unrefined, valued at 13,4511 ., we imported, chietly froun the United States, \(6,37 \cdot 1,532\) gallons of refined petroleum, valued at \(35 ., 271 \%\) [litis. WLDHLA.]
In consequence of its infinmmalle nature two Acts were passed (in \(186: 2\) and 1868) to regulate the storing aud testing of this and kiudred substances. After Febriary 1, 18t9, 'no potroleum shall be kept otherwise than for private use within 50 yards of a dwelling house, or of a building in which goods are stored, exeept by license.'
I'EWTER (Ger, ziun, zinntriesserzion; Fr. itain ; Ital. stugno; Span. estnî́o, peltre; Russ. olowo). A factitious metal nsed ln makling plates, dishes, and other domestic utensils. It is a compound, the basis of which is tin. The best sort consists of tin alloyed with about sio or leys of copper, or other metnilic bodies, as the experience of the workmen has shown to be most couducive to the improvement of its liardness and colour, such as lead, zinc, bismuth, and ontimony, There are 3 sorts of pewter, distinguished by tho names of plate, trifte, and ley-pewter. The 1st was formerly much used for plates and clishes; of the 2nd are made the pints, quarts, and other measures for beer: and of the ley-pewter, wine mensures and large measures. (Ure.)

PIIILADELPIIIA. A large city and scaport of the United States, in l'ennsylvania, near the confluence of the riveri Delawnre and Schuylkill, lat. \(39^{\circ} 57^{\prime} \mathrm{N}\)., long. \(75^{\circ} 10^{\prime} 59^{\prime \prime} \mathrm{W}\). It was founded by William Penn in 1682. Population in \(1860,562,520\).
Harbour, Lighthouses, Pilotage \& \(\& \cdot 0,-\) Vessels of the largest burden ascend the river as far as Newcastle, but those drawing above 18 or 20 feet water eannot reach Philadelphia, on account of a bar a little below the city. The entrance to the magniticent bay formed by the embouchure of the Delnware has Cape May on its north, and Cape Henlopen on its sonth side. The former, in Int. \(38^{\circ} 55^{\prime} 50^{\prime \prime}\) N., long. \(75^{\circ} 57^{\prime} 16^{\prime \prime} \mathrm{W}\), is a sandy headland, rising about 12 feet abore the level of the sea. It is surmounted by a lighthouse 152 feet in height. The light revolves every half minute. It is seen, in clear weather, 19 miles off, Cape Henlopen, marking the southern boundary, of the bay, is in Jat. \(36^{\circ} 46^{\prime} 38^{\prime \prime}\) N., long. \(75^{\circ} 4^{\prime}\) \(45^{\prime \prime} \mathrm{W}\). A little south from it is a hill, elevated about 60 fect above the level of the sea; and on it is erected a lighthouse, 72 feet in height, furnished with a plowerful fixed light, visible, in elear weather, 20 miles off. To the north of this principal light, and close to the extremity of the Cape, a second
lighthonse has been constuctel, in feot alowe the lerel of the sea, which is also furninhei with a fixed light, which may be secil alnout 5 milfe off. The channel for large ships is between cian lienlopen aud the banks called tho Opertalls. The nurigation is, however, a little thiflicule, nem it is compulsory on slips to take pilets. Thi latter frequently board them at sea; but if not, an soon as a ship comes between the Capes she mat loist the eignol for a pilot, and heave to mat as one offers tos come on boaph. (Conller Sur tes Phares, 2 nd ed. See post, fur regulations as th pilotage.)

Irudr.-The trade of Philalelphia is pretty extensive, she communicates by varions cathaly (one of which, 305 . miles in length, unites her with l'it taburf, on the (Ohio) and by ruilwars with the interior, nud is the prand depot for the cad and petroleum of the Union, tho increase of the trade in which has been quite uaprecelentelo. I'revious to 1825 no conl had been sent down the schuylkill, and in that year only \(\delta, 3\) y, tons were brompht by that channel to lhilailelpha; whereas in \(18 \overline{5} 7\) the quantity amounted to \(3,0 \cdot 12,37^{8} 8\) tons, exclusive of abolit twice as muth supplied by other channels. Large quantities of this conl are sent coast wise to other parts of the Union. Exelusive of coal, petroleun, and iron, the exports principally conslst of wheat and wheat tlour, Indlan corn, and other aprieultural products: I'hiladelphia is, however, be coming as much a manufacturing as a trading city.
The exports of petrolenm from Philadelphia the 5 years 1863-67 were, in quantities and ralues, as follow, viz. :-
\begin{tabular}{|c|c|c|}
\hline Years & Quantig & V'aut \\
\hline \({ }^{146.3}\) & 4, 3 , 11,7418 gals. &  \\
\hline |xM1: & - 7, \(0^{46,923}\) & 4,y9d, iv! \({ }^{\text {a }}\) \\
\hline  &  &  \\
\hline 1467 &  & b,053,23 \\
\hline
\end{tabular}

The principal imports are cotton, woollen, and silk goods; sugar, coffee, and tea; Pron nad harlware; wines, brandice, spices, dye-stuffs ds. la point of shipping, I'hilnclelphin is the fourth port in the Union, being, in this respect, inferiot only to New York, Boston, and New Orleans thi registered, enrolled, and licensed tonnage belon: ing to the port on June 30, 1858, amounted io 211,852 tons, of which more than trothing ( 151,615 tons) were engaged in the consting trade, which was very large. In 1805,331 ressels 159,579 tons entered the port. The total valver the articles imported into Pennsylvania fimg foreign countries in 1866 amounted to \(14,113,04\) dols, , and that of the exports to \(17,913,901\) dele The consting trade of the port is, howerer, mew extensive and of greater importance than foreign trade.
Account of the Value of Foreign Imports is and Exports from Philadelphia in the 1 Years ending with 1866.
\begin{tabular}{|c|c|c|}
\hline Years & Value of Exports & Value of Impry \\
\hline 18.57 & \[
\begin{gathered}
\text { dol3. } \\
7,135,1.56
\end{gathered}
\] & \[
\underset{13,}{d x d y}
\] \\
\hline 145\% & 3,997, 5 251 & 12,M90 \% y \\
\hline 13.59 & 5,2991095 & 13,6013, \({ }^{\text {a }}\) \\
\hline 1 1860 & 7,83y, 286 & \(11.351,53\) \\
\hline 1861 & 10,277,934 &  \\
\hline \({ }_{1}^{1862}\) & 11, \(19.684,970\) &  \\
\hline 1861 & 13,6644562 & 9,133565 \\
\hline 156.5 & 12,581,152 &  \\
\hline 1466 & 17,913,90t & \(11,13.504\) \\
\hline
\end{tabular}

There are numerous banks in Philadelpbia, bu they stand no higher in point of chasater than those in most other parts of the Union, and have over and over ngain suspended paymeats. The Bank of the United States had its head-ofic

\section*{LPIII}
taucted， 45 fect alme It is also furninhed with be scen about \(!\) miles e ships ls Leetween Cape a callet tho Oxariallo， er，a little dillicult，an！ A to take piluts．Tho em at sea；but if mot，as een the Caper she munt t，and heave to ass varid．（Combller Sisp les est，for regulations an th

Philaddphia is pretts seates by various cataly es in leugth，unites bet hio）and by ruilways with grand dejüt for the eral Inion，the mereare of tho en quite imprecedentel， al had been sent down diat year only \(5,30 \mathrm{c}\) tona chamel to lhibalefha； quantity amomated to e of aboit twice as mach uncls．Large quantities ast wine to other parns of o of coal，petrolcuna，and cipally conxist of wheat ian corn，and other aghi－ iladelphia is，however，be－ anufacturing as a traling
oleum from Plilalehhisia in re，in quantities and values
：＝＝＝堛

\section*{1，Nu，N142 dok 4，491，424＂，
}
are cotton，woollen，and free，and tea；；＇ron and hanl． ，spices，dye－stuffs se． iladelphia is the fourth port in this respect，inferiot onts and New Orleans．The nd licensed tonnage beloni： Junc 30,1858 ，nmunted to ich more than two－thith ngaged in the coasting trate， c．In 1805， 331 vessels of he port．This total salved 1 into Penmsylvania fra 866 amonnted to \(14,115,02\) exports to \(17,913,901\) dels the port is，howeres，mism reater importance than is
c of Foreign Imports in \(P h 12\)
1866.
\begin{tabular}{|c|c|}
\hline Exports & Vaux of mpra \\
\hline &  \\
\hline 8 &  \\
\hline （10， & ， \\
\hline 7，934 &  \\
\hline \％ 8,370 & \({ }^{\text {cher }}\) \\
\hline t，\({ }^{6} 6\) & 9，\({ }^{\text {9，13p，109 }}\) \\
\hline \({ }^{4.159 \%}\) & U， 113 SM \\
\hline
\end{tabular}
\(s\) banks in Philadeleptia，bui \(t\) in point of chanccled har arts of the Union，and Thar suspended payments，The
States had its headolicic

IIIIIADFLPIIA
1065
mere Besiles banks，thero are numerons in－breal－stuffs，as they are called by the Americans， sunde companies and joint－stock awsocintlons，from l＇hilatelphia to foreign conntries，have beru The exports of thour，wheat，corn se．，or of as follow i－
\begin{tabular}{|c|c|c|c|c|c|}
\hline Yeart & Flour & Corn Mral & Hyp thour & Wheat & Corn \\
\hline & & & & \begin{tabular}{l}
bhla． \\
bha．
\end{tabular} & \\
\hline 14.97 & \[
\begin{aligned}
& 191,1 \times 0 \\
& y N: 1771
\end{aligned}
\] & \[
\begin{aligned}
& 73, \sin ) \\
& n \neq 1, i x M
\end{aligned}
\] & 21,197
98617 & \[
\begin{aligned}
& 38,431 \\
& 4 \times 1+17
\end{aligned}
\] & \[
\begin{aligned}
& 11,117 \\
& 76 .: 19
\end{aligned}
\] \\
\hline 1411 & 19303 &  &  & SH2， 71 & （0）， \\
\hline 隹教 & 181，whf & 177，n91 & \(27,3,81\) & 88.0 & M． \(\mathrm{TH}^{7} 78\) \\
\hline \begin{tabular}{l}
14.1 \\
10.1 \\
\hline 15
\end{tabular} & 14n，\({ }^{196}\) &  & 24， &  & 71， \(11010 \times 1\) \\
\hline 1014
1011 & 201， 0.156 & 113，1101 & 17194 & nfiorny & 1\％41，2．56 \\
\hline \(1 \times 16\) & 5 & \(116 \times 37\) & 19，231） & 21， 1.36 & 209，\({ }^{2} 617\) \\
\hline 1417 & \(179{ }^{12017}\) & 110,11 & （21， 117 &  & 1， 1162 ， 201 \\
\hline  & \％un，\({ }^{\text {mid }}\) & 41， 111 & 86，5．36 & \(117 \times 18\) & （N16，\({ }^{\text {a }}\) ， \\
\hline ｜sin & 8， 1,1761 & 01， 3.31 & Y） 0 ， 10 & 203，671 & Gatarime \\
\hline 1411 & \％199，166 & \(68,3 \mathrm{sm}\) & 10，5015 &  & 3， 1,945 \\
\hline （14） & 813，483 & 6n，
\(71 \times 9\) & 8，iN1 & －xv， 911 & CR， \\
\hline 1415 & y1，\({ }^{\text {chs }}\) & 710104 & 9， 31.192 & 1N7，6\％ & 92s，fill \\
\hline \({ }^{14.31}\) &  & 9， \(91,16,4,4\) & （12，957 &  &  \\
\hline 1vif & 190460 & 47，\％71 & \(\mathrm{N}, 3^{3} 1\) & （201，（1） 5 & （61） 5,4517 \\
\hline
\end{tabular}

Scosut of the Quontity of Grain produced in Shipping and Navigation．－In 186.1 thero en－ the Stute of 1 ＇ennsyltunia in 1866.
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{2}{|r|}{Anticles} & llushels & Value \\
\hline & & 50，8，31，8；7 & \[
\begin{gathered}
\text { dots. } \\
32, \text { tin7, }
\end{gathered}
\] \\
\hline Whert． & ： & 10， 01406610 & 4N，037，1158 \\
\hline S48 & ： &  &  \\
\hline The & ： &  &  \\
\hline Marce & － & 9，7N：F4 & \(0_{0} \times 140409\) \\
\hline
\end{tabular} Ned tered the port of lhiladelphia 276 foreign ships anil 342 American；and 192 American and 313 forelgn cleareal the port．

In Pennsylvania，tho dollar is worth 7s，Grd． currency ；но that 11 ．sterling \(=11\) ．13s，4d．cur－ rency．［New Yonk．］
Weights and Metsures samo as those of ling－
land． land．
Account of the Trade with Philadelphia in British Vessels，186．1－1866．
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Sens} & \multicolumn{4}{|c|}{Eintereal} & \multicolumn{4}{|c|}{Cleared} \\
\hline & Number & Tonnage & Crew： & Extimated Value of Cargoea & Number & Tonnag＊ & Crews & Eatimated Value of Caryoes \\
\hline 14.
\(1+3\)
14.6 & 236
246
240 &  & \begin{tabular}{l}
\(\mathbf{2}, 971\) \\
3 \\
3 \\
\hline
\end{tabular} &  & 217
\(2 \times 5\)
890
8 & 79,611
190,750
990,127 &  &  \\
\hline
\end{tabular}

Stotement of the Number and Tonnage of American Vessels that have Entered and Cleared throngh the l＇hiladelphia Custom－house during the same period，viz．，from 1864 to 1866 inelusive．
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow{3}{*}{Yean} & \multicolumn{4}{|c|}{Einiered} & \multicolumn{4}{|c|}{Cleared} \\
\hline & \multicolumn{2}{|l|}{From Yorelign Countries} & \multicolumn{2}{|l|}{Froin other A merlean Porss} & \multicolumn{2}{|l|}{From Forelgn Countries} & \multicolumn{2}{|l|}{From other American Ports} \\
\hline & Number & Tonnage & Number & Tonnaga & Nurr．ber & Tonnege & Number & Tonnage \\
\hline  & 309
474
419 & \[
\begin{array}{r}
89,904 \\
76,149 \\
14,126 \\
\hline
\end{array}
\] & \begin{tabular}{l}
1,405 \\
1,196 \\
\hline 0
\end{tabular} & 364,8424
\(3 i 3,1131\)
\(\ldots\) & \[
\begin{aligned}
& 159 \\
& 201 \\
& 871 \\
& \hline
\end{aligned}
\] &  & 8,993
3,330
\(\cdots\) & \[
\begin{gathered}
1,170,387 \\
698,7870 \\
. .
\end{gathered}
\] \\
\hline
\end{tabular}

The above account does not incluke nll the vessels not exceeding the burilen of 75 tons resels engaged in the coasting trade，but only mad as bave entered and cleared at the Custom－ lanse．
The following table will show the number of resels eagaged in the coasting trade．No flag but American is allowed to engage in this traile

Statement of the Arricals at Philitelphia of Vissela engaged in the Coasting Trade of the Cnited Slates during the Yeurs 1861 to 1860 ixclusise－

Regulations of the Part．－If any master or aptain of any ship or vessel，or other person， ball refuse or neglect to comply with the tirec－ pons of the harbour master，in matters within the uridiction of his office，such person shall，for ach and every such offence，severally forfeit and any sum not exceeding 100 dollars．And said harbour master shall，in full compensa－ on for his services，be entitled to have，recover， od recive from the master，captain，owner，or manignee of each and every ship or vessel minity at the port of Philadelphia（coasting
excepted）the sum of 1 dollar for each and every
voynge by such ship or vessel performed，and no more．
Every ship or vessel that may arrive in this harbour，and that shall come to anchor in the stream anywhere between Almond and Vine Streets，having previously caused her gun－ powiler，if any she had on board，to be landed as the law directs，may remain in that situation 2.4 hours，and no longer，taking care to lic as near to the island or sand－bar as may be consistent with her safety．But if，from the circumstance of a vessel having servants on board，or from any other cause，it may＇ie thonght necessary or con－ venient to lie a longer time in the stream，then， and in every such case，the owner，master，pilot， or other person liaving the charge or direction of such vessel，shall remove her from opposite the city，and shall moor her，or cause her to be mooned，to the northward of Vine Street with 1 anchor and cablo up and 1 anchor and cable down the stream；and in both the above－ mentioned situntions，the regulation contained in the next succeeding article to be duly attended to．
If any vessel properly moored in the stream shall have her anchor or cable overlaid by any other vessel in anchoring or mooring，the master















 saril, main lmosm, mpanker mal rias: iail lumens, if any they lume for lio rigktil in, and llowir lower








 dawil.
 whari, mhatl lin longer ill llar atromin, butwo ..





 sumb, whall. immosintoly on "pplication trom noy






 time: mal all mia vossels, when tramporting ar whiting to hand into a wharf or dow, or to lunko sail in mider formered for men, mall latio the stme privilega.

When any ship or vesol may lo lybg mongsibh any whitri, mal not taking in or diseharging she rhall make way for mal promit my vomsel hat wands to manal or lomi, to come inside, inest the wharf, matil sha diseluarges ar lomes her varge: and the satid vessel, when so disehargen or loahted, shatl hat ontside amel sive way to the vessel that tirst merupied the whate; jrovided Ghat, from the loth of beemmer to the fat of March, lis vesed shall he compelled to move from her herth (only those at Glomedoter l'oint piens), excepting to let vessels in amil out of doeks.

\section*{liates of piaitadie.}

Tiah A.
Inwaric uy to ing five at shollarn yur fixit ; over is fret, for every riwt, at 3 dullar \(\mathrm{B}, \mathrm{c}\) conts.


Tinhir II.
 Paty hom
at S dathats. at A dollint.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{3}{|c|}{I11\%n+ila} & \multicolumn{4}{|c|}{1the weils} \\
\hline 5 Iowi 10 & Nals. & \[
1 \text { cuiss }
\] & & & dind & +ams \\
\hline at. & "11 & . 8 & , & Her 14 & 11 & ". \\
\hline " \({ }^{\text {I }}\) & "11 & 4 & \({ }^{1}\) & & II & \% \\
\hline \#1 \({ }_{7}\) & \% & 31 & 1 & & 11 & 4 \\
\hline 7 & 年 & (1) & 8 & . & th & i11 \\
\hline \({ }^{11}\) & \[
\begin{aligned}
& 14 \\
& y y
\end{aligned}
\] & \%1\% & 7 & '.' & \(1 /\) & , \\
\hline 4, & 11 & 7" & 4 & \(\because\) & 14 & 1 \\
\hline " & 31 & P.1. & & & \%1 & \\
\hline 4 & 3 & 31 & 1) & & 4 & \(\stackrel{11}{ }\) \\
\hline 111 & M & "110 & 111 & \(\cdots\) & 4 & isi \\
\hline 111 & 11 & it & 114 & \(\cdots\) & 1 & 1. \\
\hline I11. & I11 & 11 & 11 & & \% & , \\
\hline 19 \% & 11 & M4 & 1, & \(\because\) & \({ }^{7}\) & 1. \\
\hline 11 & A & '171 & 114 & \(\because\) & 17 & \%14 \\
\hline 11. & 4 & \({ }^{1914}\) & 15 & . & \% & \%11) \\
\hline 111 & \({ }_{\text {M }}^{4}\) & 16 & 111 & \(\because\) & III & \% \\
\hline III \(\because\) & '411 & \%11 & 11 & \(\cdots\) & 11 & \% \\
\hline 1i, & 119
1,1 & i11 & 11 & \(\cdots\) & 11 & \% \\
\hline 113 .. & 4.1 & is & 1.11 & \(\because\) & i, & '111 \\
\hline 17 & cith & \% & 11 & ". & \({ }_{14}\) & "11 \\
\hline 14 & \({ }^{14}\) & 1.1 & 11.4 & \(\cdots\) & 1. & "11 \\
\hline 17 & \%110 & 7.7 & 11 & \(\cdots\) & 4 & (11) \\
\hline is & 71 & N4 & in & \(\because\) & 1 & \% \\
\hline 141.. & 71 & 'mi & |ris & ". & 碞 & \({ }^{\text {tal }}\) \\
\hline 17. & \(7{ }^{\prime \prime}\) & 11 & 11 & \(\cdots\) & \% & \\
\hline 144. & NI & 11 & \(11 / 4\) & \(\because\) & S & \% \\
\hline \%11. & N1 & \% & \(\cdots\) & . & (1) & \\
\hline \% • & Ni & 3 & \%1 & - & 4, 3 & \({ }^{(11)}\) \\
\hline "1 & "1 & \% & \% & - & Hif & \\
\hline \% \({ }^{\prime}\) & 19 & t.1. & 43 & \(\because\) & 0.7 & (1) \\
\hline
\end{tabular}




No mhig or versel lomling of diswarging lemen at ming what, ar within my dark, mallowalluwid to haver nuy the on luaral ; mither shall any rome



 at any wharr' wishin the limits of the city.
'There areib classes of" pibots. I. Those vapublest piloting vasade al' any prartirahle denth of wate. 2. Those capmble of pilatine vexsely drawine at lient of' water or mider. : 'Thome en mable of pidat ing vesseds alrawing ! fied of water or under.
Divery vewnel arriving from, or bonllil tha Sureign jort, in repulred ly law to receive a pibu or to pay half pilatario in the warden's ofties where the manter of arry sath versel is requind muler in perailty of it) dollars, fol make report within itf homra nfior his arrival, andagain befas his dephature, signing has mame to adid neport io the wardine lamek.

Sivery vessel of 75 tons and npwarls anding from, of hound to, my port within the linited Sinler, mid the masters of all such veseds, an homid as above.
'The pilot of every vessel is required to inform the master of his hiving to rejori at tho wathen' whice.
All vernola obligad lo receive a pilot are require to pay 10 dollars in aldition, as winter piolate from November 20 to Alareh 10 , bobh dars inchasive.

Furcign vessuls, i,e. Spanish, Portugrese, Xea pulitan, Dmish, Russian, South Imerican, and Haytian, to pay 2 dollars 67 cents in addition other pilotare.

Every pilot detained mure than 94 hants by any master, owner, or consignee, is entited to dollars per tlay fir every day he is so detainel.

Every pilot detained more than 48 hours of ice, nfter he has condueted his vessel to a place o sufety, is entitled to 3 dullars per day for evers day he is но detained.
Every nilot compelled to perform quarantine entitled io 2 dullars per day; for every day be
 कhlara, withoul hes romeril.


 acentes a mille for ivery mila lae lina lo Iravel thent:


 ral.











 dine fingere It is hasoluhtu in water; its mperithe:
 it emils a white smukr, sum is luminnoms ill tlo dark. Whria hended to lifo il takes lire, nuit bums wifh "I viry lright. thume. Wheris phos-

 alag the eye, mul the lather crateking a kland Feswl, (Thumsen's Chewistry; Whti's Diction ary if Chemisisty.)
 nean nilver couns in very extmonivn rifentula tion halue, at maverage, aboul. In. Ith, worling. [Gins:; |lon.1.ast.]
MElis. [Habnoules.]
Plidlakis. Fishes plosely remmbling then evomuan lusping, hut smaller, and at tho snme time thinker and ronmerer. 'Ithey nres rarely fontill on the lititish slores, "xיxplu on the consis al' Carnmall and leven, partivolarly the formor, where they are taken in preat nombers from tho midalle duly to the and of November, or evero the middhe of De muber. It is a maying of the Comish findermen, that the pischarel is the least tiwh in siz, most in number, and grentest for gath, laken from the sea.
Purhuret Fishery.-'This is carried on alonr the mats of Cornwall and Hevon, from the lole lical an th.s latter, roumd by tho land's lind to Padtow and lossituey in the former. Its principalsats are St. Ives, Monnc's Buy, and Mevaysey. The liah usually make their appearanco arat shoals in the cenrly purt of July, and sispparat about the midello of Octoher; bat they ometimes reappear in large quantities in Novemer and December. 'They are taken cither by mans if foy drilh nets, but principally, perhaps, liy he former. A seaa ls a net, varying from 200 to 30 fathoms in length, and from 10 to \(14 h\) do. in puth, having cork buoys on one elge and lead wights on tho other. Three boats are attached seach sean, viz. a boat (sean loat), of about 15 mas hurden, for carrying the scan; another (folere) of about the same size, to assist in mooring ;add a amaller boat (lurker), for general pur-
mes. The number of hands employed in these

\section*{I'II, 'II, IISIS}

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 that while ome serm may cateh mind enre in a nensen


 mul mat the hash il Diberty. Wharn ther gumatity "melomer is lares", il, reguiresa neveral dage to tak"

 "ibonlly manage,
 nhouse 4h fathoms in depth; Hacy ares shat in thas orwin men, nul rutaugho the tish in their moshem in the same why ns the lierring uren, 'The liali lhins takesin are maid lo ber anparior to those taken lag ther monns, though it be clonherfil, from their laviog
 curing.
 are earriod to ceellare or warihonsea, where they aro piled in large loenps, having a mullieient gmatily
 remnined in thia state lor alonat 35 days, they are,
 in hopshouls, puch containing, at an neernge, alsout 2,100n llah. (Mr. L'eumatit inadvertently states ihos momber of lish in a hogmead at 35,000-British
 thority, we fill into the same arrur in tha lat edition of this work.) They are then subjected to a pressure mallicient to extract the oil, of which each hogshend yields, provided the fiwh be caught in summer, nhout it gallons; bot those that are taken late in the suason do not yillil above half this quantity. This oil usually nells for from 12 to 15 per cent, under the price of brown seal oil. The broken and refuse lish and salt are sold to the farmers, and arn used as manore with excellent effect. The skimmings which tloat on the water in which the pilcharils are washod are called dreya, and are chiclly sold as grease for machinery.

The fresh fislı in a hogshead of pilehards weigh
nbent 6 ewt., and the salt nbont \(3 f\) ewl. ; but the is reduced to alout \(4 \ddagger\) ewt., incluting the weight weight of the hogshend when cuied and pressed of the eask, from 20 to 24 lb . We suljoin-

An Account of the Exports of Pilchurds doring each of the 17 Years ending uidh 1866; specifying the Places for which they were exportcd, th.e Quantity shipped for each, and their Price at the Port of Shipment.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Yiars & Genoa & Leghom & \[
\begin{gathered}
\text { Civita } \\
\text { Vechhia }
\end{gathered}
\] & Naples & \begin{tabular}{l}
Ancona, \\
Venice, \\
Trieste
\end{tabular} & - Cutal & Price per llowhead on shore \\
\hline & &  & & ind*
10,170 & \({ }_{\text {lindit }}\) & & \\
\hline 1850
1851 & 24, 2,34 &  & \[
\begin{aligned}
& 1,110 \\
& 1.352
\end{aligned}
\] & 10,170
8.961 & K,117 & \(2.5,843\)
26.7 & 1. \\
\hline 18:5 & 9,971 & 4,145 & K28 & 3, 2143 & S, 61818 & 16,111 &  \\
\hline 18.3 & 2,249 & 5,120 & 1,237 & i, 1,157 & 7.10 & 21.405 &  \\
\hline 18.9
\(16: 5\) & li,163 & 4,293
\(2,2 i 51\) & \(\stackrel{100}{0}\) & 1,3.377 & \(1,4 \times 1\)
1,009 & 6,114
6.102 &  \\
\hline 18.56 & 1,851 & 4,657 & 1,718 & 5,233 & 5,569 & 18,833 & \{ lis. Me, 7ina, \\
\hline 1857 & 2.317 & 3.6827 & 1,020 & 4,331 & 4.617 & 15,019 &  \\
\hline 1858 & 1,841 & 1,129 &  & 6,6isf & 4,919\% & 14,193 &  \\
\hline 1899
1860 & 1.4998
5601 & 7818 & 6.32 & +613 & \(20 \%\)
916 & 3,14.3 &  \\
\hline \(1 \times 61\) & 2,5304 & 1,9509 & \(\because\) & 4,141 & 2,3,36 & 10,988 &  \\
\hline \(1 \times 62\) & 4, \({ }^{517}\) & 3,312 & 1,316 & 6,246, & 80.05 .5 & 17,807, & 514, 14d, 63\%, Vd. \\
\hline 1863 & 3,171 & 4.4,39 & 1,17! & 129642 & 2, Mins & 26,037 & 418. 1d. Sis.od. \\
\hline 1864
1865 & 3,068 & 3,843 & 963
405 & 9,321/ & 3,168
2,1714 & 22,519
9,925 & 4Gu. Od. 15s.eld. \\
\hline 1860 & 4,117 & 4, 3 K, 5 & 998 & 3,490 & 3,203, & 14,291 & \\
\hline
\end{tabular}

Of the fish cured in 1866, 2,044 hhds, were canght enstward of Iizard ; \(\overline{0}, 700\) in Monnt's Bny ; 5,650 in St. Ives a.tel north of St. Ives. 'rotul, 14.294 hogsheads.
N.B.--Of the quantity seut to the Adriatic, full \(\frac{3}{3}\) have been sold in Venice, and tho remninder chietly in Ancona.
The export of pilchards has been rather declining of late years. This has been ascribed to vnrious canses, such as the withdrawal of the bounty of 8s. 6d. per hogshend formerly paid on their expiort, the relaxed observnnce of Lent in the conntries to which they are principally exported, and the imposition of a henvy duty on their importation into Naples. The falling off in the demmad of the latter has, however, been in great measure cempensated by the increased demand at Venice.
Pilchards are not ased in England, except in Cornwall and Devon, where from 4,000 to 5,000 hhds. a-yenr may at present be consumed.
The sean fishery employs about 1,500 hands regularly throughout the senson, and a vast number more when any considerable shoals are enclosed. There are at present ( 1866 ) about 260 seans afloat, of which above 180 belong to \(\mathrm{S}^{+}\). Ives. The first cost of a sean on the south cunst is about 450l.; but a St. Ives sean docs not cost above \(300 l\). The drift tishery employs, luring the season, from 900 to 1,000 :nen, and about 230 boats; the cost of each boat and nets amounting to nbout 250 . The labour in the cure of the tish may be taken nt about 5s. ver hogshead. The total capital embarked in the fishery has been estimated by those engaged in it at from \(200,000 l\). to \(250,000 l\).
The drift fishermen employ themselves, when not engaged in the pilchard fishery, in the mnekcrel, herring, and hook-line fisheries. The sean tishermen consist principally of agricultural labourers, miners \&c., attracted to the business in the expectation (in which, however, they are not unfrequently disappointed) of making a comparitively large sum by a few weeks' exertion. Bat at St. Ives on! y able-bodied and expert fishermen are employed. In all sean bonts 3 or 4 individuals of the crew are regularly bred, expert fishermen.

Four-fifths of the persons employed on shore in the salting, curing, packing dc., of the fish are women.
The wages of those employed in the fishery are mnde sometimes to depend on the number of fish taken; but in other instances they are independent of any such contingency.

The fishery at St. Ives is carrieal on under a particular Act of Parliament, passed in 18.11. The
exaction of a tithe of the fish is a very serions bur den on the fishery ; sometimes it is taken in kind, but is more generally compounded for. (br l'aris's Guide to Mont's Bay and the Laml's End 2nd ed. pp. 146-156; Beauties of Englund and Wales, vol. ii. p. 471 ; but we are principaly indebted to private information obtained from the most authentic sources, and obligingly communicated, by Mr. Coulson, of Penzance.)

PILOTS AND P!LOTAGE. The name ofpilat or steersman is applied either to \(s\) particuly otficer, serving on bonrd a slip during the course of a voyage, and having charge of the helm and the ship's route; or to a person taken on boardat nny particular place for the purpose of conducting a ship through a river, road, or chaanel, or from or inte a port.

It is to the latter description of persons that the term pilot is new usually applied; and pilots of this soit are established in varivus parts of the country by nncient charters of incerporation, or by particular statutes. The most important of these corporntions sue those of the Trinity Ilone, Deptford Strond, with which the fellowstip of the pilots of Dover, Deal, and the Isle of Thanet, commonly enlled the Cinque Port Pilots, is por wa solidated; and the Trinity IIouses of Hull and Newcastle. The 5 Geo. IV, e. 73 established s corporation for the regulation and licensing pilots in Liverpool.

Principles of the Law as to Pilots.-These we sufficiently obvious, and differ but little in met maritime codes. When a master is obliged by law to employ a pilot, nad does so aceoringly, the vessel having ceased to be under thecoummand of their servants, the owners are no longet in sponsible for such loss or dnmage ss mar te out. sioned by her mismanagement ( \(17 \& 18\) Fiit. c. 104 s .388 ) unless it be made to appear thst it arose from the neglect or misconduct of themaster or crew in obeying or carrying out the ordes of the pilot. It is, therefore, a very sefios matter for \(n\) master or captain to interfere with or supersede a pilot in the exercise \({ }^{\text {f }}\) bis peculiar functions. But still there are cases, and those, too, not of rnre occurrence, of such a nature as to maxe. interference indispensable. Pilots are ayything but infallible; and whenever it becomes erident to a master, or to the authorities on basch, that the pilut is acting inconsiderately, or that he is drunk or incompetent, it is not the right odly, but the bounden duty of the master to provide for the safety of the ship by resuming bis autbonty; and taking the command upoa himself. On this
t. including the weight 1b. We sulyoin-
ith 1866 ; apecifying the heir Price at the Port of

Price per Itowheas on Stive
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te fish is a very serionshuraetimes it is taken in kind, y compounded for. (Dr, s Bay and the Lands End, Beauties of England and but we are priacipally inrmation obtained from the s , and obligingly communiof Penzance.)
TPAGE. The name of pilit ied either to a particuls rd a slip during the eouse ing charge of the helm sod o a person taken on boardse or the purpose of conducting , road, or channel, of from or
description of persons thas \% usually applied; and pilats sished in various parts of the harters of incerporation, al 2s. The most important those of the Triaity llowe which the fellorship of the and the Isle of Thanet, COM que Port Pilots, is now wnTrinity IIouses of Hull and Geo. IV. c. 73 established regulation and licensing o
Law as to Pilots.-These 1 and differ but little in mant ien a master is obliged by \(t\), and does so accordingts sed to be under the command e owners are no longer fix or damage as marte oca anagement ( 17 \& 18 liut. \(t\) be made to appear that is \(t\) or misconduct of themuster - carrying out the ordes of efore, a very sciols matter in to interfere with of supet ercise \({ }^{-}\)? his peculiar fince are cases, and those too, of such a nature as to mare sable. Pilots are arything henever it becomes crident authorities on boarch, that considerately, or that he is it is not the right only, but the master to provide 10 . by resuming his authority, and upon himself. On this

\section*{PILOTS AND PILOTAGE}
being done the responsibility of the pilot ceases, of wirse; and the owncrs become liable for the Fromelings of their servant, the master. In those cues, again, in which it is in the election or disartion of the master so take a pilot or not, and he thinks fit to take one, the pilot so taken is be midered as the servant of the owners, who nro rasponsiblho for his conduct. (Abbett Ors the K.aw f Shipping, part ii, c. 5; Maude and lollock ditto, \(i . E\) ? \(n\) nd the authorities there quoted.)
The statute \(b\) ?an. IV.c. 125 consolidated tho laws with respect to the licensing, employment toc of pilots. But all that portion of the Aet which related to the Cinque Port pilots was repaled by the \(16 \& 17\) Vict. c. 129. This tatute united the Trinity Howse and Cinque Port pilots; or, rather, it included the lntter in the former. It proviled, that the Cinque Port pilots should in future be subject to the same mos nod regulations as the Trinity House pilots, and that they might pilot ships inwards and cutwards within the limito for which they were licensed. The property belonging to the Cinque Port pilots was it tho snme time transferred to the Trinity House; and the Aet laid down the rules by which the debts and claims of the Cinque Port pilots on the Trinity IIouse funds were to be adjusted.
The general rules and regulations now (1860) xisting rith respect to pilotaga have been embodied in part V. of the Merchant Shipping Act, \(17 \& 18\) Vict. c. 104, and sec. 39 of the Slerchot Shipping Amemiment Act, 25 \& 26 Vict, c 63. And as a knowledge of these rules and regulations is indispensable to masters and other parties engaged in shipping, wo subjoin a full abstract of the portion of the statutes now refered to. See also schedules to \(25 \& 26\) Vict. s. 63 for regulations for prevezting collision at bes, and art. Colliston.

Porers of Filotag: Authorties (genoral).
Jurisdiction of Pilotage Authorities.-Every pilotage authority shall retain all powers and jurisdiction which it now lawfully possesses, so far as the same are consistent with the provisions of this Act; but no law relating to such authonity, or to the piluts licensed by it, and no net done by such authority, shall, if inconsistent with any provision of this Act, be of any force whateser, \(17 \& 18\) Vict. c. 104 s. 331. Jut the Bonrd of Trade has power to transfer pilotage jurisdiction in eertain cases, 25 \& 26 Viet. c. \(\dot{\text { en }} 3\) s. 39.

To make and extend Exemptions from compuldory Pilotage,-Every pilotage nuthority shall have potser, by by-law made with the consent of het Mnjesty in council, to exempt the masters of any ships, or of any classes of ships, from being compelled to employ qualified pilots, and to sunex any terms or conditions to such exemptions, and to revise and extend any exemptions nof existing by virtue of this Act or any other Act of l'arliameat, law, or clarter, or by uange, upon such terms and conditions and in such manner as may appear desirable to such authority, \(17 \& 18\) Vict, c. 104 s. 332 . The Board of Trade has power by provisional order to exempt from compulsory pilotage in any district, \(25 \& 26\) Yict, c. \(63 \mathrm{~s}, 39\).
Power of Pilotage Authorities.-Subject to the porisions contained in these Acts, it shall be havil for every pilotage authority, by by-law, made with the consent of her Mnjesty in council, from time to time to do all or any of the fullowing thiags within ita districts, viz.:-
1. To determine the qualifications to be re-
quired from persons applying to be licensed as pilots, whether in respect of their nge, skill, time of service, character, or otherwise:
2. To make regulations as to the approval and licensing of pilot boats and ships, with power to eatablish und regulata compunies for the support of such boats and ships, and for a participation in the profits made thereby; the companies so estnblished to be exempt from the provisions of the Act 7 \& 8 Vict. c. 110 :
3. T'e make regulations fur the government of the pilots licensed by them, for insuring theit good conduct, and their constant nttendance to and eficetual performanes of their duty, either at sen or an shore:
4. To \({ }^{\text {f }} \mathbf{x}\) the terms and conditions of grauting licenses to pilots and apprentices, and of granting pilotage ce:tifientes as hereinafter mentioned to masters and mates, and to make regulations for punishing any breach of such regulatious committed by such pilots or apprentices or by such masters and mates by the withdrawal or suspension of their linenses or certiticates, ns the case may be, or by the infliction of penalties, to be recoverable summarily before two justices, so that \(n 0\) such pcunlty exceed the sum of 20l., and so that every such penalty be capable of reduction at the discretion of the justices by whom the same is inflicted:
5. To fix the rates and prices or other remuneration to bo demanded and received for the time being by pilots licensed by such authority, or to alter the mode of remumerating such pilots, in such manner as such authority may, with such consent as aforesaid, think fit, so that no higher rates or prices le demanded or received from the masters or owners of ships in the case of the Trinity IIouse than the rates and prices specified in the table A. hereto annexel; and in the ease of all other pilotage nuthorities, than the rate \({ }^{-}\) and prices which might have been lawfully fixed or demanded by such pilatage nuthorities respectively under any Act of Parlinment, charter, or custom in force immediately before the commencement of this Act:
6. To make such arrangements with any other pilotage authority for altering the limits of their respective districts, and for extending the powers of such other authority or the privileges of the pilots licensed by such other authority, or any of them, to all or any part of its own district, or for limiting its own powers or the privileges of its own pilots or any of them, or for sharing the said last-mentioned powers and privileges with the said other authority and the pilots licensed by it, or for delegating or surrendering such powers and privileges or any of them to any other pilotage authority constituted or to be constituted by agreement between sucu authorities, and to the pilots licensed by it, as may appear to such pilotage authorities to be desirable for facilitating navigation or for reducing charges on shipping:
7. To establish, either alone or in conjunction with any other pilotage authority or authorities, funds for the relief of superamuated or intirm qualitied pilots, or of their wives, widows, or children, or to make any new regulations with respect to any funds already applicable to such purposes, with power to determine the amount, manner, time, and persons (such persons to be in the scrvice of such pilotage authority) to and in which and by and upon whom the contributions in support of such existing or future funds may be made or levied; and further, to declare the persons or class of persons (such persons or class of persons being confined to men in the service of
such pilotage anthority, their wivea, widows, or children) entitled to participnte in the benefits of such existing or futurn funds, and the terma and conditions upon which they ars to be so eutitled:
8. To repeal or alter any by-law made in exercise of the above powers, and to make a new by-law or new by-laws in lien thereof: And every by-law duly made by any pilotage authority in exerciso of the powers hereby given to it, shall be valid and effectual, notwithstanding any Act of Porliament, rulc, law, or custom to the coutrary, \(17 \& 18\) Vict. c. 104 (sec. 333). In cases where the pilotage is not compulsory, and where there is no restriction on the power of duly qualified persons to obtain licenses as pilots, the Board of Trads has power by provisional order to enable the existing authoritics to grant licenses and to fix, raise, and facilitate the recovery of, pilotago rates, and also to give facilitios to qualified persons to obtain licenses as pilots, 25 \& 26 Viet. c. 63 s. 39.

Publication of By-laws.-Every by-law proposed to be enacted by any pilotage authority in pursunnee of the foreroing powers shall, before it is submitted to her Majesty in council for her assent be published in such manner as may from time to time be prescribed by the Board of Trade, 17 \& 18 Vict. e. 104. (Sec. 334.) •

By-laws to be laid bufore Parliament.-Every order in conncil madc in pursnance of the provisions of this Act shall be laid before both Houses of Parliament as soon as possible after the making thereof. (Sec. 335.)

Power of Appeal to Board of Trade.-If the greater part in number of the qualificd pilots belonging to any port, or the Local Marine Board, where there is one, or at any port where there is no Local Marine Board, if any masters, owners, or insurers of ships, being not less than six in number, consider themselves aggrieved by any regulation or by-law in force when this Act comes into operation or hereafer made under some allthority other than the provisions of this Act, or by any defect or omission therein, they may appeal to the Board of Trade, and the said Board may thereupon revoke or alter any such regnlation or by-law or may make additions thereto in such manner as, having regard to the interests of the persons concerned, may appear to be just and expedient ; and every order so made shall be conclusive in the matter. (Sec. 336.)

\section*{Returns by Pilotage Authorities (general).}

Pilotage authorities to make Returns to Board of Trade.-Every pilotage authority shall deliver periodically to the Board of Trade, in such form and at such times as such Board requires, returns of the following particulars with regard to pilotago within the port or district under the jurisdiction of such authority, viz. :-
1. All by-laws, regulations, orders, or ordinances relating to pilots or pilotage for the time being in force:
2. The names and ages of all pilots or npprentices licensed or authorised to act by such nuthority, and of all pilots or appreitices aeting cither mediately or immediately under such authority, whether so licensed or authorised or not:
3. The service for which each pilot or apprentice is licensed
4. The rates of pilotage for the time being in force, including therein the rates and descriptions of all charges upon shipping made for or in respect of pilots or pilotage :
5. The total amount received for pilotage, distiuguishing the several amounts received from

British ships and from foreign ships respectively and the several amounta receivel in respect of different classes of ships paying different rutes if pilotage, according to the seale of such rates for the time being, and the several amounta recived for the several classes of service rendered by pilots; and also the amount paid by such ships (if any) as have, before raching the outer limits of pilotage water if outward-bound, or their port of destination if inward-beund, to take or pay for two or more pilots, whether licensed by the same or by different pilotage authorities: gether with the numbers of the ships of cach of the several classes paying such sereral smounts as aforesaid:
6. The reccipt and expendi! are of all moners received by or on behalf of such authosity, or by or on behalf of any sub-commissioners appoimed by them, in res et of pilats or pilotare
And shall allow the Board of I'rade, or persons eppointed by such Board for the purpuse to iospect any books or documents in its possession relating to the several matters hercin required to be returned to the Board of Trade. (Sec. 337.)
The Jurisdiction of local Authorities failing to give the required Returns, to be transferred to Trinity House.-If any of such pilotage nuthoritie as aforesaid (other than the Trinity House, of sub-commissioners of pilatage spp inted by it fail to deliver to the Board of Truds the periodical returns above required vithin 1 year of such time as may be fixed by such Board for the purpose or if any of such authorities do not allow the sa Board, or any persons who may be sppoined b it for the purpose, to inspect any books or documents in their possession relating to the matters hereic required to be returned by them, it shal be lawful for her Majesty, by and with the adrice of her Privy Council, to direct that all the right and powers of such authorities in respect o pilotage shall cease or be suspended during such time as her Majesty directs; and thereupon tho Trinity House shall thereafter, or during such timo as such suspension may continue, have spd exte cise the same powers of appointing sub-commissioners of pilotage, and of licensing pilote and of establishing and altering rates of pilourg within the district within which the suthoritys making; default has previously appointed orlicense pilots, as it is by this Act authorised to exeri in any district for which no particular provision: made by any Aet of Parliament or chsiter forth appointment oí pilots, and shali slso, during suc time as aforesaid, have and exercise the sad rights, title, and powers to and in respect any pilotage funds or other pilotage proper which the said pilotage anthonties would might have had or exercised if not 80 suspende as aforesaid. (Sec. 338.)
Returns to be laid before Parliament-T Board of Trade shall without delay cause it several returns hereinbefnre recuired to be ma to such Board to be laid before both Houses Parliament. (Sec. 339.)

Licensing of Masters and Mates (general).
Masser or Mate, if examined and passed, receive a Pilotage Certificate.-'I'he master or mos of any ship may, upon giving due notice, 4 consenting to pay the usual expenses, apply any pilctage authority to be examined asto capacity to pilot, the ship of which le is master mate, or any one or more ships beloging to t same owner, within any part of the distnet o which such pilotage nuthority has junistiction and such master or mate shall, if such authori thinks fit, thereupon be examind; and if fow
ups respectively; red in respect of different rates if of such rates for amounts received vice rendered by d hy such ships (if the outer limits of and, or their port d , to take or pay d, to take or pa the ;e authorities; tothe ships of each of ch several amounts
ifit tre of all muners uch nuthority, of ly missioners appointed or pilotare:
d of 'Trade, or our oard for the purpuse, nents in its possession ers herein required to Trade. (Sec. 337.) Authorities failiny to Authorities faling to
to be transferred to ach pilotage authocities the Trinity House, or tage appested by it) of Trade the periodical thin 1 year of such time Board for the purpose, es do not allow the soid o may be appoinced by pect any books of docurelating to the matter turned by them, it shas , by and with the sulch direct that all respect of pe suspended during such rects; and thereupon the eafter, or during auch timo continue, have and eser of appointing sub-com and of licensing pilots altering rates of piloury in which the authority cusly appointed or licerise Act authorised to exeris no particular provisioo riament or charter for th and shali also, during anc e and exercise the soll ers to and in respect other pilotage proper pge authonties kould ercised if not so suspen
before Parliament-T without delay cause pfore recuired to te iid before both Houses .)
rs and Mates (generol). examined and pissech on giving due notice, \({ }^{2}\) c usual expenses, apply, to be examined as to nip of which he is master nore ships beloging to ty ny part ol the district ate shall if such author be examind ; and if fou
competent, a pilotage certificate shall be granted to him, containing his name, a specification of the slip or shipa in respect of which he has been examined, and a deseription of the limits within which he is to pilot the same, such limits to be withia such jurisdiction as aforesaid; and such certilicate shall enablo the person therein named to pilot the ship or any of the ships therein specifext of which he is acting as master or mate at the fime, but no other, within the limits therein lesribed, without incurring any penalties for the nou-enployment of a qualified pilot. (Sec. 310.\()\)

R?newal of Pilotage Certificate.-Tho pilotnge witicate so granted shall not bo in force for more than 1 year, unless the same is renewed, which may from time to time be done by an indosement under tho hand of the secretary or wher proper officer of the authority by whom woch certificato was granted. (Sec. 341.)
Board of Trude examine and grant Pilotage (ertificates,-If upon complaint to the Board of Trade it appear to such Board that any such suthonity as aforesaid has without reasorable cause refused or neglected to cxamine nny master or mate who has applied to them for the purpose, ur, after he has passed the examination, has without reasonable cause refused or neglected to prat him a piloture certificate, or that the exumination of any such master or mate has been onisitly or improperly conducted, or that any terms imposed or sought to bo imposed by such authonity are unfair or improper, or that any pistage certiflcate granted by such authority has been improperly withdrawn, the Board of Trade may, if in its judgment the circumstances appear to require it, appoint persons to examine such master or mate, and if he is found compstent may grat him a pilotage certificate, containing the same particulars as would have been inserted in anj certificate granted by such pilotage authorities os soresaid, upon such terms and conditions, and sobject to sach regulations, as such Board may thick fit; and such certificate shall have the ssme effect as if it had been granted by such pilotage anthority as aforesaid; and such certificate dall be in force for 1 year, and may be renewed from year to year, either by the said authorities in manner hereinbefore mentiosed, or by the Board of Trade, if sach Board thinks fit, such renewal to be indorsed on the said certificaie, either by such persoo as the Board of Trade may appoint for the parpose, or in manner hereinbeforc proviaed as to certifistes orpanted by any pilotage authority. (Sec. 312.)
Fespaid upon Certificates ar:d Renewals thereof. - ill masters or mates to or for whom any such pilitage certificates are granted or renewed by any pilotage authority shall pay to such anthority, or as it directs, such fees upon their respectivo cortificates and upon the renewals thereof as are fom time to time fixed for that purpose by such zutbontr, with the consent of the Board of Trade; and all masters and mates to or for whom any grid certificates are granted or renewed by the Boand of Trade ahall pay to such Board, or as it directs, such fees upon their certificates and upon herenewals therenf as may be fixed by such Bonrd, 0 nerertheless that in the case of pilotage certicates granted or renewed by the Board of Trade, rech fees shall in no case be less than the fees rable by the qualified pilots in the same diatrict pon their licenses and the renewal thereof; and ch fees shall, in the case of certiticates and metrabls granted by pilotage autherities, te aprable either to paying the expense of the aminations, or any ether gcueral expeuses con-
nected with pilotago incurred by anch authorities, or to the P'ilots' Superannuation Fund of the district (if any), or otherwise for tho benefit of the pilots appointed by such authorities, as such authorities think fit; nud such fees sliall in the case of pilotage certificates granted or renewed by the Board of Trade be appacablo to the expense of the examinations, and the surplus (if any) shall bo applied tor the benefit of the qualified pilots of the port or district to which such certiticates apply, in such manrer as such Board thinks tit (Sec. 343.)
Power to withdraw Pilotage Certificates.-If at any time it appear to the Board of Trade or to any pilotago authority, that anv master or mate to whom a pilotage certiticate has been granted by such lloard or authority has been guilty (1) misconduct, or has shown himself incompetent to pilot his ship, such Board or such authority (as the case may be) may thereapon withdraw his certificate, and such certificate shall thenceforth ccase to be of any effect whatever. (Scc. 344.)

\section*{Pilot Boat (general).}

Pilot Boats hou to be provided.-All boats and ship's regularly employed in the pilotage service of any district shall be approved and licensed by tho pilotage authorities of such district, who may, at their discretion, appoint and removo the masters of such boats and ships. (Sec. 345.)

Characteristics of Pilot Buats.--Every pilot boat or ship shall be distinguished by the following characteristics, viz. :-
1. A black colour painted or tarred outside, with the exception of the aames and numbers hereinafter mentioned; or such other distinguishing colour or colours as the pilotage authority of the district, with the consent of the Board of Trade, directs:
2. On her stern the name of the owner and of the port to which she belongs painted in white letters at least 1 inch broad and 3 inches long, and on each bow the number of the license of such bont or ship:
3. When afloat, a flag at the mast-head or on a sprit or staff, or in some other equally conspicnous situation; srch flag to be of large dimensions compared with tha size of the boat or ship carrying the same, and to be of two colours, the upper horizontal half white, and the lower horizontal half red:
And it shall be the duty of the master of auch boat or ship to attend to the following particulars : First, that the boat or ship possess all the above sharacteristics; secondly, that the aforesaid flag is kept clean and distinct, so as to be easily discerned at a proper distance; nnd, lastly, that the names and numbers before mentioned are not at any time concealed; and if default is made in any of the above particulars, he shall incur a penalty not exceeding 201. for each default. (Sec. 346.)

Qualified Pilot to display Flag thongh not it. Pilot Boat.-Whenever any qualified pilot is carried off in a boat or ship not in the pilotage service, he shall exhibit a flag of the nove description, in order to show that such boat or ship has a qualified pilot on board; and if he fail to do so without reasonable cause, ho shall incur a pevalty not exceeting 501 . (Sec. 347.)

P'cnalty on ordinary Boat displaying Pilot Flag.-lf any beat or ship, not having a licensed pilot on board, display a flag of the above-mentioned description, there shall bo inrarred for every such offenco a penalty not exceeding 500 ., to be recovered from tho owner or from the master of such boat or ship. (Sec. 348.)

\section*{Pilut Liccnse (gencral).}

Registry of Pilut License-Every qualified pilot on his appointment shall receive a license, contaning his name and ustal place of abode, together with a description of his person, and a specilleation of the limits within whicin le is qualilied to ant; and it shanll be the duty of the principal officer of customs at the place at or nearest to which any qualificil pilot mey reside, sumon his request, to register his license ; and no qualified pilot shall bg entitled to act as such until his license is so registered; and any qumlified pilot acting leyond the limits for which lie is qualitied by his license shall bo considerod as an ungualitied pilot. (Sce. 34!.)

Regulations to be furruisheal to qualified Pilot, and produced by him.- Livery qualitied pilot shall, upon receiving his license, be limrished w.th a copy of such part of this Aet as related to pilotage, together with a copy of tho rates, hy-laws, and regulations eatallished within the distriet for which he is licensed; and he shall produce such copies to the nusster of any ship, or other person employing him, when required to do so, under a penalty in case of default not exceeding 501. (Sce. 350.)

Qualified Pilot to proluce License to Employer. - levery qualitied pilot, while acting in that capacity, shall be provided with his license, and prodice the same to every person by whom he is employed, or to whom ho tenders his services ns pilot; and if he refuse to do so at the request of such person, he shall incur for each offence \(n\) penalty not exceeding 10l., and shall bo subject to suspension or dismissal by the pilotage nuthority by whom he is licensed. (Sec. 351.)

Licenses to be delivered up when required \&c.Every qualified pilot, when required by the pilotage nuthority who appointed him, shall produce or deliver up lis license; and on the death of any qualified pilot the person into whose hands his license happens to fall shall withont delay transmit the same to the pilotage authority who appointed the deceased pilot; and any pilot or person failing to comply with the provisions of this section shall incur a penalty rot exceeding 10l. (Sec. 352.)

Compulsory Pilotage (general).
Compulsory Pilvtage, how enforced.-Subject to any alteration to be made by any pilotage authority in pursuance of the powers in that behalf given, the omployment of pilats shall continue to be compnlsury in all districts in which the same was by law compulsory immediately before the time when this Aet comes into operation; and all exemptions from compulsory pilotage then existing within such districts shall also continue in force; and every master of any unexempted ship navigating withiu any such district who, after a qualified pilot has offered to take charge of such ship or has made a sigual for that purpose, either himself nilots such ship witheut possessing a pilctage certilicate enabling him so to do, or employs or continues to employ an unqualified person to pilot her, and every master of any exempted ship navigating within any such district who, after a qualified pilot has offered to take charge of such ship or has mave a signal for that purpose, employs or continues to employ an uaqualified piloc to pilot her, slaall, for every such offence, incur \(n\) penalty of double the amount of pilotage demandable for the conduct of such ship. (Sec. 3ō3.)

Home Trude Passenger Ships to employ qualified Pi!ots, unless gec.-T'he master of every ship carry-
irg passengers between any places situate in the United Kingdcun, or the Islands of Guernsey Jerney, Sark, Alderney, and Man, and any othe place so situnte, when navignting upon any waters situate within tho limits of any distric for which pilots are licensed by any pilotar nuthority under the provisions of this of any othe Aet, or upon any part thercof но situate; shnil, unless he or lis mato has a pilotage certificat enabling auch master or mate to pilot the snid ship within such tistriet, employ a qualified pilot to pilot his slip; and it he fail so to do, he shat for every offenco incur a peanlty not excecdia 1001. (Sec. 35.1.)

Certificates, how to le granted to Masters and Mates.-Any master or mate of a ship which hy the preceding section is made subject to compuisory pilutage may apply to the Board of Trale fir a certiticate, and the boaid of Trade shall thereupon, on satisfactory proof of his laving continuously piloted any ship within the limits of nars pilotage district or of any part or parts thercof for two years prior to the commencement of this Act, or upon satisfactory proof by examination of his competency, or otherwiso as it may deem expedient, cause to bo granted to him, or to be inclorsed on any certificate of competcncy or service obtained hy him under this Act, a certificate to the effect that ho is anthurisel to pile any ship or ships belonging to the same owne and of a drauglit of water no greater than sad draught as may be specified in the certificate with the limits aforesaid; and the said certificate shall remain in force for such time as the Board Trade clirects, and shall enable the master of mate therein named to cenduct the ship or stios therein specified within the limits therein de seribed to the same extent as if the preceding section had not been passed, but not farthe of otherwise; and every such master or male shall upon applying for such certificate or for ang renewal thereof, pay to the Board of Trade ore it directs suci fees not exceeding the fees payabl on an examination for a master's certificate competency under this Act as the Board of Trala directs; and such fees shall be spp!!ed in t same manner i.1 which the fees payable on sul last-mentioned examination are made applicsble (Sec. 30̃5.)
Rights, Privileges, and Remuneration of Pid (general).
Chalified Pilot unable to board when estith to Pilotage.-If any boat or ship, having qualitied pilot on board, leads any ship. whin has not a qualilied pilot on board whea suc last-mentioned ship cannot from particular is cumstances be boarded, the pilot so leading such last-mentioned ship shall be entitled to to full pilotage for the distance rus as if he hr actually been on board and had charge of no ship. (Sec. 356.)
Allowance to qualified Pilot taken out of \(h\) District.-No pilot, except under circaulstine of unavoidable necessity, shall without his on sent be taken to sea or beyond the limita for rbio he is licensed in any ship whatever; and ent pilot so taken under circumstances of unsroded necessity or without his consent shall be entitik over and above his pilotage, to the sum of il0 6 a day, to be computed from and inclusire of th day on which such ship passes the limit which he was engaged to pilot het, up to an inclusive of the day of his being retomed in th said ship to the place where he mastaken? board, or up to and inclusive of such day as allow him, if discharged from the sbip, sulficie
places situate in the lslands of Guesnsey, Man, and any other anvigating upon any limits of any district ssed by any pilotage ans of this or any other ereof so situate; shall, - a pilotage certiticate mate to pilost the said employ a qualified pilat ce tnil so to do, he shall penalty not exceeding
granted to Masters and ato of a ship which be nade subject to compulo tho Board of Trale fir nit of Trade shall thereof of his having continuvithin the limits of ans part or parts thercof for commencement of this - proof by examination of erwise as it may deem granted to him, or to b fieate of competency of a under this Act, a cert: he is anthunsel to pilne aging to the same owdet cater no greater than sach fied in the certificate withia ad the said certificate shall ach time as the loand of rall enable the master or o conduct the ship orships in the limits thereia de extent as if the preceding passed, but not fartice of such master or mate shall nech ecrtificate or for any o the Board of Trade of 2 t excceding the fees parabl for a master's certificate is Act as the Board of Trie ees shall be app!!ed in th ination are made applicable
nd Remuneration of Pilot gencral).
able to board when sutith boat or ship, having oard, leads any ship. Whin pilot on board when 500 cannot from particulas rded, the pilot so lead ship shall be entitled to distance rua ard and had charge of man
tlified Pilot taken out of \(h\) except under circuinsian essity, shall without his ar or beyond the himik ind tro ny slip whatever; and otr circumstances ol unarotedab - his consent shall be entitery pilotage, to the sum of lor 6 ted from and inclusive of th ship passes the limit aged to pilot hez ap to an of his being rommed in th blace where he mas taken inelusive of such day asyier arged from the ship, sutici
we to return thereto; and ln such last-meniwaed case ho sliall be entitled to his reasonable tratelling expenases. (Sec. 357.)
Powalty on Pilnt receiving or Master offering Pmer Rate-Anv qualifled pilot demmming mpreiring, and also any mastar offering or ar ening to any jilot, any other rate in resject of silotage services, whether greater ir less, than the pate for tho time leing demnusiable by law, slinall we ead affence incur a penalty not ev. ceerling \(10 t\). (Sec, 3.8.)
Penully on making a Deelaration as to Dratught of Ship \&cc,-If any master, on being refuested if any qualified pilot laving tho charge of his io to dectara her drnight of water, refove to ilo en or himself makes or is privy to any other s, on making a false declaration to such pilot ns to fach lraught, he slanll inctir a penalty for trey such offence not exceerling cloublo the mount of pilotage which sonlil have been rarable to the pilot making slich request ; and if any master or other person interested in a ship make or is privy to any other person makir.g any frubuluent alteration in the marks on the stern en post of such ship (lenoting her iraurcht of was, the offender shall incur a penalty not esceeding 5001. (Sec. 359.)
Qualified Pilot to suquersede un pualified Pilot. -A palified pilot may supersede an maqualified pilot, but it shall be lawful for the master to pay to such unqualified pilot a proportionate sum for his services, anl to dechuct the same from the charge of the qualified pilot. and in case of dispute the pilatage authoriny ly whom the qualified pilot is licenced shall deternine the propertionate sums to which each party' is entitled. (Sec. 360.)
Pradly on unqualified Person acting as Pilot -in unqualified pilot assuming or continuing in the charge of any ship after a qualified pilot has offerd to take charge of her, or using a license thich he is not entitled to use for the purfose of making himself appear to be a qualitied pilot, shall for exeh offence ineur a penalty not exceeding 301. (Esc. 361.)

Oceasions on whieh unlicensed Persons may act a Pilots.-An unqualified pilot max, within any pilotage district, without subjecting hiuself or lis mployer to any penalty, take charge of a ship as mot under the following cireumstances, viz. :When no qualified pilot has offered to take harge of such ship, or made a signal for that parpase ; or.
When a ship is in distress or under circumlances making it necessary for the master to rail bimself of the best assistance which can be pond at live time; or,
For the purpose of changing the moorings of ay thip in port, or of taking her into or out of ny dock, in cases where such act can be done by anguslified pilot without infringing the regutions of the port or any orders which the rhour master is legally empowered to give. lec. 369.)
Liability for and Recorery of Pilotage Dues.te following persons shall be liable to pay otage daes for any ship for which the services a qualified pilot are obtained, viz., the owner or ster, ar such consignces or agents thereof as se paid or made themselves liable to pay any ler charge on account of such ship in the port der arrivsl or discharge, as to pilotage inwards in the port from which she clears out as to tage outwards; and in default of paymont tpilotage dues may be recovered in the same aner se penalties of the like amount may be rered by virtue of this Act ; but such recofoidll not take place until a previous demand
thereof has been made in writing, and the dues so denunded lave remained unpain for 7 dnys after the time of such demand being made. (Sec. 3ti3.)
Power of Consignees to retain Pilotage Dues paid by them, - Wivery consignco and arent (not being the owner or master) hereby mado liaulo for the payment of pilotage dues in reapect of any ship muy, ont of any moneys in his hands received on account of such ship or belonging to the owner thereof, retain tha amount of all dhes so paid by him, together with nuy reasmable exgenses lis mny have incurred by reason of such payment or liability. (Sec. 36.1.)
offences of milots (genilidi).
Peualties on qualified Pilots.-If any qualified pilot commits any of the following ofiences, vi\%. :-
1. Keeps himself, or is interested in keeping by any agent, servant, or other person, any pulilic: house or place of public entertainment, of sells or is interested in selling any wine, spirituous liquors, tobaceo, or tea;
2. Commits any frand or other offence against the revenues of Customs or Excise or the laws relating thereto;
3. Is in any way directly or indirectly concerned in any corrupt practices relating to ships, their thekle, furniture, cargoes, crews, or jassengers, or to persons in distress at sea or by shipwreck, or to their moneys, goods, or chattels; 4. Lends his license ;
5. Aets as pilot whilst suspended;
6. Acts as pilot when in a state of intoxication: 7. Employs or causes to be employed on boari any ship of which he has the charge any boat, anchor, cable, or other store, matter, or thing beyond what is necessary for the service of such ship, with the intent to enhance the expenses of pilotage for his own gain or for the gain of any other person;
8. Refuses or wilfully delays, when not prevonted by illness or other reasonable cause, to take charge of nny ship within the limits of his licenso upon the signal for a pilot being made by such ship, or upon being required to do so by the master, owner, agent, or consignes thercof, or by any oilicer of the pilotage anthor'y ly whom such pilot is licensed, or oy nny priucipal officer of customs ;
9. Unnecessarily cuts or slips or causes to be eut or slipped any cable belonging to nny ship;
10. Refuses. on the request of the master, to conduet the ship of which he has the elaarge into any port or place into which he is qualified to conduct the same, except ou reasonable groumd of danger to the ship;
11. Quits the ship of wrich he has the charge, without the consent of the master, before the service for whieh he was hired has been performed: Ile shall for ench such offence, in addition to any linbility for damages at the strit of the person aggriewed, ineur a penalty not exceeding 1001., and be liable to suspension or dismissal by the pilotage authority by whom he is licensed; and every person who procures, abets, or connives at the commission of any such. offence shall likewise, in addition to any such liability for damages as aforesaid, incur a penalty not exceeding \(100 \%\), and, if a qualified pilot, shall be liable to suspension or dismissal by the pilotage nuthority by whom he is licensed. (Sec. 365.)
Penalty on Pilot endungering Ship, Life, or Limb.-If any pilot, when in charge of any ship, by wilful breach of duty, or by nergect of duty or by reason of drunkenness, does, any act tending to the immedinte loss, destriction, or scrious
damage of such ship, or tending immediately to endanger the life or limb of any person on board such ship; or if any pilot, by wilful breach of duty or by neglect of duty, or by reason of drunkenness, refuse or omit to do any lawfil act proper and requisite to be done by him for preserving such ship from loss, destruction, or serious dumage, or for preserving any person belouging to or on board of such ship from danger to life or limb; the pilot so offending shall for each such offence be deemed guilty of a misdemeanor, and if a qualitied pilot, also be liable to suspension and clismissal by the authority by which he is licensed. (Sce. 366.)

P'enalty on Pilot in Charge of a Ship doing her uilful Injury.-If any person, by wilful misrepresentation of circumstances upon which tho safety of a ship may depend, obtains or endeavours to obtein the charge of such ship, such person, and every other person procuring, abetting, or comiving at the commission of such offence, shall, in addition to any liability for damages at the suit of the party aggrieved, incur a penalty not exceeding 100l.; and, if the offender be a qualilied pilot, he shall also be liable to suspension or dismissal by the pilotage authority by which he is licensed. (Sec. 367.)

\section*{General Power of Trinity Hruse.}

Pourer of Trinity Mousc to alter Regulations.The Trinity House may, in excrcise of the general power hereinbeforo given to all pilotage authorities of doing certain things in relation to pilotage matters, alter such of the provisions hereinafter contnined as are expressed to be subject to alteration by them, in the same manner and to the same extent as they might have altered the same if such provisions had been contained in any previous Aet of I'arliament instead of in this Act. (Sec, 308.)

\section*{Sub-Commissioners and Pilots (Trinity House).}

Pouer of Trinity House to appoint Sub-Commissioners. - The Trinity House shall continue to appoint sub-commissioners, not being more than 5 nor less than 3 in number, for the purpose of examining pilots in all districts in which they have been used to make such appointments, and may, with the consent of her Majesty in council, but not otherwise, appoint like sub-commissioners for any other district in which no particular provision is made by any Act of Parliament or charter for the appointment of pilots; but no piletage district already under the authority of any subcommissioners, appointed by the Trinity House, shall be extended, except with such consent as aforesaid, and ne sub-commissioners so appointed shall be deemed to be pilotage authorities within the meaning of this Act. (Sec. 369.)

Trinity House to license Pilots to act within certain Limits.-The Trinity House shall continue, after due examination by themselves or their sub-commissioners, to appoint and license under their common seal pilots for the purpose of conducting ships within the limits following or any portion of such limits; that is to say :-
1. 'The London District,' comprising the waters of the Thames and Medway as high as London Bridge and Rochester Bridge respectively, and also the seas and channels leading thereto or therefrom as far as Orfordness to the North and Dungevess to the South; so nevertheless that no pilot shall be hereafter licensed to conduct ships both above and below Gravesend:
2. 'The English Channel District,' comprising the scas between Dungeness aind the Isle of Wight:
3. 'The Triaity Heuse Outport Districts,' com prising any pilotage district for the appointmeat of pilots within which no particular provision is male by any Act of Parliament or charter. (Sec. \(37 \%\) )
Publication of Notice of Licenses. of Pecilota by Trinity House.-Subject to any alteration to by made by the Trinity House, the name of sll pilots licensed by the Trinity House shall be published In manner following, viz. :-
1. The Trinity Honse shall at their \(h_{\text {guse }}\) : London fix up a notice specifying the name usual place of abode of every pilot so liceneal and the limits within which he is licensed to aet
2. 'The Trinity House shall transmit to act such notice to the Commissioners of Custonis London, and to the principal offleces of casta resident at all ports within the limits for whi such pllot is licensed; and such notice shall posted up by the commissioners at the Custem houso in London, and by such officers at the custom-houses of the ports at which they are t spectlvely resident. (Sec. 371.)

Bonds to be given.-Subject to any alteration to be made by the Trinity Honse, every Trinity House pilot on his appointment shall exemute bond for 100l, conditioned for the dae observen on his part of the regulations nad by-laws of th Trinity House, such bond to be free from stam duty, and from any other charge excent the actu expense for preparing the same. (Sice. 372)
Liability limited.-No qualified pilot who executed such boad as is hercisbefore mention shall be liable for neglect or want of skill bet its penalty and the amount of pilotage parable him in respect of the voyage on which hic is gaged. (Sec. 373.)

Continuance and Rencwal of Ricenses,-Sulge to any alteration to be made by the Trinity ilio no license granted by them shall conitiase force beyond the 31st dny of January nextea ing the date of such liceuse; but the samems upon the application of the pilot holding ge license, be reaewed on such 31st thay of damut in every year, or any subsequent doy, ly inders ment inder the hand of the Sceretary of Trinity Housc, or such other person as mar appointed by them for that purpose. (Sec, 3 it
Pouter to rewoke and suspend Licenses,Trinity Ilouse shall have power to revoke suspend the license of any pilot appoisted them, in such manner and at such time as a think fit. (Scc. 37̄.)

\section*{Compulsory Pilotage (Trinity Hous).} Penalty on Masters employing unlicensed Pi -Subject io any alteration to be made by Trinity House, and to the exemptions herinis contained, the pilotage districts of the Tise House within which the employment of pila compulsory are the London district, snd the Thin House outport districts, as hereiabefore defing and the master of every ship nsvigatiag mit any part of such district or districts, who, difo qualified pilot has offered to take charge d 9 ship, or has made a signal for that parposese eid himself pilots such ship without pessesemg certificate enabling him so to do, or cmplon continues to employ an unqualified person to her, shall for every such offence, in addibit the penalty hereinbefor specified, if the Thi House certify in writing under their commal that the prosecutor is to be at liberty to p for the recovery of such additional peasali, an additional penalty not exceeding 54 for 50 tons burden of such ship. (Sec. 876)
Trinity House to insure constant Supply of 9
lified Pilots at Dungeness.-Subject to any 4 a
utport Districts,' comfor the appointment of cular provision is mal or charter. (Sec. 370. Licenses of Pilota by o any alteration to le e, the name of atl piluts use shall be published
shall at their hase ia pecifying the natne and every pilot so licensen, ch he is licensed to aet: shall transmit a copy nissioners of Customs in clpnl officers of eust hin the limits fot whind and such notice shallbe nissioners at the Customby such officers at the orts at which they are teec. 3 가.)
Subject to nuy altention inity llouse, every Trinity pointment shall exerute ped for the due observarad lations and by-laws of the ond to be free from stamp aer charge except the actua the same. (Sec. 3i2.) No quatified pilat who bu 14 is hereinbefore mentiona deet or want of skill beyou nount of pilotage payable voynge on which be ise

Renewal of Licenses.-Suly je made by the Trinity lle by them shall contiane st day of Jamuary next ens h license; but the same ms on of the pilot holding mo on such 3ist lay of Jamast y subsequent day, by indory and of the Secretary zuch other person as mid for that purpose. (sec. and suspend Licenses,all have power to rent e of any pilot appoitated her
Pilotage (Trinity Houst), ers einploying unlicensed \(P\) i alteration to be made by to the exemptions the Thi ch the employmeat of pila London district, and tue tricts, as hercinbefore def. f every ship navigating \(n\) istrict or distriets, who, offered to tske charge d a signal for that pripue ch ship without parntor y an unqualified persanter ry such offence, in adidita befor specified, if the 7 riting under their comma \(r\) is to be st liberty to \(f\). o such additional peaaly alty not exceeding 3 . such ship. (Sec. 876.\()\) to insure constant Sypply of ngeness.-Subject to any ith
tion to be mallo by the Trinity House, a sufficient anmber of qualified pllots shall alwnys be ready to take char \(; \theta\) of ehips coming from the westward past Dungeness; and the Trinity House shal! make auch regalations with respect to the pilots mader their control as may be necessary to provide for an unintermitted supply of qualitled pilots for ach ships, and to insure their constant attendane upon and duc performance of their dnty both by night and day, whether by eruising between thesouth Foreland and Dungeness, or by going of tom shore upon signals made for the purpose, or bo both sach means, or by any other means, and whether in rotation or otherwise, as the 'Trinity thonse think fit. (Sec. 377.)
Ship coming past Dungeness without Pilot to take he first qualified Pilot who offers.-Subject to anty thention to be made by the Trinity llouse, every master of any slip coming from the westward. and bound to any place in the rivers Thanes and Hedray (uuless she has a qualitied pilot on boaril a is exempted from compulsory pilotage), shatl, the arrival of such ship off Dungeness, and thenefforth until she has passed the South Buoy dithe lrake, or a line to be drawn from Sandown Castle to the said buoy, or until a qualitied pilot bescone on board, display and keep flying the tual signal for a pilot; and if any qualiticd pilot is within hai!, or is npproaching and within \(\frac{1}{?}\) mile, and has the proper distinguishing flag flying in bis bat, such muster shall, by heaving to in prowertime or shortening sail, or by any practicable means consistent with the safety of his ship, fucilitate such pilot getting on boarel, and shall give the charge of piloting his slip to such pilot; or if then ste two or more of such pilots olfering at the same time, to such ono of them as may, aeconding to the regulations for the time being in fore, le eatitled or required to take such charge; ond if any such master fail to display or keep fring the usual signal for a pilot in manner beeceibefore required, or to facilitate any such qualiied pilot as atoresaid getting on board as herinbefore required, or to give the charge of piloting his ship to such pilot as before menboned, he shall incur a penalty not exceeding looble the sum which might have been demanded for the pilotage of his ship, such penalty So be paid to the Triaity House, and to be carried o the account of the Trinity House lilot Fund. sec. 38.8 .)
Exuptions from compulsory Pilotage.-The folwing thips, wheu not carrying passengers, shall e exempted from compulsory pilotage in the ondon district, and in the Trinity House outon distriets; viz.:-
1. Ships employed in the coasting trade of the nited Kiagdom:
2. Ships of not more than 60 tons burden:

3, Ships trading to Boulogne or to any place Entope north of Boulogne:
4. Shipg from Guernsey, Jersey, Alderney, Sark, Man, which are wholly laden with stone being eprodace of those islands:
6. Ships navigating within the limits of the Tt to which they belong :
6. Shipa passing through the limits of any otage district on their voyages between two ces both situste out of such limits, and not ag bound to any place within sucL limits, nor boring therein. (Sec. 379.)

Rates of Pilotag. (Trinity House).
Rates of Pilotage,-Subject to any alteration to maie by the Trunity House, there shall conde to be paid to all Trinity House pilots, in pect of their pilotage services, such dues as are
immediately before the time when this Act comes into operation payable to them in respect of such serviees. (Sec. 380.)
Certificate of Payment of Pilotage to be given.-Subject to any alteration to be made by the Irinity House, the collector of customs shall, on receiving any pllotage dues in respect of foreign ships, five to the person paying the same a receipt in writing; and no officer of customs in the port of London shall grant a clearance or transire for any such foretgn ship as aforessid without the production of such receipt; and if any such ship attempts to go to sea withont such clearance or transire, any such offeor may detain her until the snid recelpt is produced. (Sec. 38.2.)
Application of such Moneys by Trinity ILouseSubject to any alteration to be mate by the Trinity Honse, the said collector shall pay over to the Trinity House the pilotago dues received by him in respect of any foreign ship; and the Trinity llouse shntl apply the same in manuer following: -

1st, in paying to any pilot who may bring sufficient proof of his having had the charge of such ship such dues as would have been payable to him tor such pilotage service if the ship hat been a British ship, after dedncting therefrom tho poundage due to the Trinity llonse:
2nc. in paying to any unlicensed person who may bring satticient proof of his hatving, in the absence of a licensed pilot, had the charge of such ship, sueh amonnt as the Trinity Llonso may think proper, not exceeding the amonnt which would under similnr circumstances have been payable to a lieensed pilot, after deducting poundage:-

And 3rit, shall pay over to the Trinity House Pilot Fund the residue, together with all poundago deducted as aforesaid. (Sec. 383.)

Settlement of Difference as to Jraught of Ship.-Whenever any differences arise betwern the master and the qualitied pilut of any ship trading to or from the port of London as to her draught of water, the Trinity House shall, upon applieation by either party, made, in case of a ship inward-bomnd, within 12 hours after her arrival or at some tirne before she begins to discharge her cargo, and in the case of a ship out-ward-bound before she quits her moorings, appoint some proper officer who shall measure the ship, and settle the difference accordindy; and there shall be paid to the officer men.uring such ship, by the party against whom he decides, the following sums, viz. 1l. 1s. if the ship be below and \(10 s .6 d\). if the ship be above the entrance of the London Docks at Wapping. (Sec. 384.)

\section*{Pilot Fund (Trinity House).}

Payments to be made to the Pilot Fund.-Subject to any niteration to be made by the Trinity IIouse there shall continue to be paid to thom, and carried over to the Trinity Ilouse Pilot Fund, the sums of money following, viz.:-
(1.) A poundage of \(6 d\), in the pound upon the pilotage carnings of all pilots licensed by the Trinity House :
(2.) A sum of \(3 l\). 3s. to be pnid on January 1 in eyery year by every person licensed by the Trinity House to act as pilot in any district not nuder the superinterdence of sub-commissioners, or in any part of such district:

And any qualified pilot giving a falso account of his earnings, or making default in payment. of any sum due from him under this section, slall forfeit double the amount payable, and shall further be liable, at the discretion of the Trinity House, to suspension or dismissal. (Sec. 385.)


Applicution of Finnd.-Sinbject to any prior chargin sulminalls therem, the Trinity llotese filmt fund mall bo ehargenble in tho tirnt instunco with nuch expenees an tha 'Irinity Ilouse may daly ineur in perlorming thoir duties lar rospect of pulats and pilotige, anil after puriment thereot thall be admanintereal by the 'l'rinity llanase fior the fremelit of nitels pilops lisensed hy thens after intober I, 18isi, as are inengaritated for the jurformane of their duty by reasom of ager, halimity, ut acident, or uf iloe widuws ansil ehilhimen of pilats
 (Nect 3xt.)
Appnistment of Sub-Comminaionera by Trinity Housea of Mall and Neweruatls.
Fetion 387 authorises the corpormions of the Trinity Ilousew of Ilull and Newatalle to ngpohit
 int in all dherects ill which they have been used lo make such ajplyintments,

Saving "f Ownera' and Manters' Riyhta
Limilutions of Liability of' Owner where I'ilatage is cmapulary,- No owner or manter of any whij hail be answorable to miv person whatever for any lons of damage ocemsionid by the fimlt or inespacty of muy guatilied pilot acting in elourge of such shin within any diatrict whero the em phament of sucb pilot is compulsory by law. (sec, 388.)
Acronat of the Rutess ehargert for the Pilotaye of bensh, unut of the other Churgex uffecting them
in the wulermentioned l'orts,

\section*{Ahelideen,}

\section*{Tonnage Duly.}



 Chas -To of frum all oulley pwris of places in Ureat




(last - . Sill parsan ing eastern ronat of North Amezirs



 Clan to-sil veruele navigating to the southward of the Tropic of Cspricern, sma all ullier parts uf the world

Leading Lights, Tid.' .'ier Light, anl Fheg Dues-


The above rates aro payable for all vessels entering the harbour
\begin{tabular}{|c|c|c|c|c|}
\hline Plotage & & Firat that & Second boat & Third dioat \\
\hline Vevelu under 50 tons & & \({ }_{4}{ }_{4}\) d & \({ }_{3}{ }_{3}{ }_{0}\) & \({ }_{8} d_{1}\) \\
\hline 5040rsa and under 50 & - & & 40 & \\
\hline \({ }_{60}{ }^{50}\) & - & 70 & 6 O & \\
\hline  & \(:\) & \(\begin{array}{ll}9 & 0 \\ 10 & 0\end{array}\) & & \\
\hline \(110 \times 150\) & & 110 & 4
4 & 76 \\
\hline \(150 \sim 20\) & & 120 & 90 & 10 \\
\hline 250 & & & & 90 \\
\hline 950 lomg and sivve & - & 15 () & 11 & 10 \\
\hline
\end{tabular}

Ballast,-All ships or vessels furnished with ballast by the Aberdeen IIarbour Commissioners pay las. per ton.
Ballast put on board 1s, per ton, diseharged 6d, and 4d. per hour for each man attending the uquter.
Vessels to pay half dues on first voyage, if sail
ling in lomant; but if lunding gools, to pay full duen.

Viesmela entering thes lmarlour for mafity, or whidkomid, and not hreahing balk, to pay loald dues; but it they tirenk buth, or taker in gionly (athres bir their own use exrepted), to piny fill dures.
Che arrival and one suiling to constitute a vanger.
Virsmila remabing la tha harbuner after il calondar monthes (anil I.t days allowed for lomang and diselargiage) to juy lel, firer reginter lont pur enlomidne month, nuid for ench purt of a mentlo, in mlvaner.
It whall ber in tha gition of thes trusteren to dhurge rither the hoes on the vorage, inworile or outwarla, at the raten mpecitied in the furegoing table, mecorifing to the dintunco; millil the elaurg be made mis the veruge ont wards, thero slanll bes derlueted from it the mosenat of deen that may bave been previnualy puid oll tha voguge inwarils ; luit if nuch vensels sail in tmilnast, they shall bo charged with dhes on the liwnoll voynge omly.
Fixemptions fors shippilig, set incluming londing, lights de: or pilutinge-
All onen binits bister tho burden of 10 tons to les exempted from dues.

All shipes, hteanures, or vessels louving male 60) voyages in wiy ons year, from danmary to Therember inclusise, shall pay no more lurbour dues for any miditional voyages made by them within the sume year.

Vessels suiling trom the harbour and put buck by ntress of weather, or sther cause, without having necomplished the voyafe, shall not be lintile in militional dues fior mich returin.

All ships or vessels helonging to, or exclusively enployed in the nervice of, hor Majenty, tha CasLoms, Lixeine, or l'ont-ollice, or of tho Cotmmixsioners of the Northern Lighthonses, or of thes Corporathon of the I'rinity Ilouse of Deptford Strond, whe exempteal from dues.

Fesseld bona tide (omployed in the white dishery
 dines, provided they bave me cargo, on lomrit but ther tislo caught, and their stores and finhery implements.


Fur every vessel remaining in harbour longer than \(2 \cdot 4\) lawful days, per month additional, per ton ed. Every lighter from any vessel shall be exempt from dues; but if any vessel do not enter the linrbour, for each lighter, for each trip, per ton \(2 d\).

\section*{Plankage und Shutes,}

Fon prery vesuel of the burden of 20 tons and not exceeding *
\({ }^{23}{ }^{23}\) tang
\(2\}\) lint not psceesting 100 tons:
\(1(K)\) and apwards

\section*{Hutuser Dues.}

Every vescel undcr 100 tons using any hawner the property


Piotage.-Coasting vessels 1 dd. per registered ton, oversea vessels \(2 d\). per regristered ton.

Towage.-40 tone and upwards dd. per ton, from the outermost buoy, lligher nates fir and if uning the boat either ontwardis or linwarda farther distanees, bil. per ton oxtra each way. These rates to anil Dallut,-I'ut on loward Gd. per ton; discharged, td.

Ambloatit.


Belfast.
Tunnage, - For every ton of the hurden of evary vessel roming Into the harbour of linfant, exeept through arrew of wowher, th


\section*{1'ilutage.}

Outatite the Biark Ilemin, in outwide the buoy of the Irins,
to the Whilehouse Roath:-
Vescels of \(\boldsymbol{y}(\mathrm{O})\) tums and upwards bove 100 and under 200 tons
\(\begin{gathered}\text { mot egcesting } \\ \text { low tons }\end{gathered}: \begin{array}{ccc}1 & 1 & 6 \\ 1 & 0 & 0\end{array}\)
Whitehouse Hoals :-
Vesselv of 2101) tons antl upwards

There phates ere for
aration at Groomsport, Dounghadee, Carrict fergus, cor-
poration as Gromsport, Donshhadee, Carrictitergus, and
port, but lf is opitional with the masters of vessels to
Mooring Buoys.
At farmoyle, veasels unjer you tons, jeer wiek - 0100 It (iarmoyle, vessels \(\mathcal{S}(N)\) and not exceeding 300 tonas, Altarmoyle, vemsels too tons and up warils, ver week : \(\begin{array}{cccc}1 & 0 & 0 \\ 0 & 15 & 0\end{array}\)
\begin{tabular}{lllll} 
At the quays, per tim \\
In the old chansel, per ton : & \(:\) & \(:\) & 0 & 11 \\
\hline
\end{tabular}

\section*{Sand Ballast.}

Por every ton delivered nt any place between the Pool of Garmosle ant Belfast Bridge It towards the rea
Foreign vecsels to le charged one-third part mare. For every ton delivered to any vessel at the ballast wharf 0

\section*{Stone Ballast}

Common stone hallast, per ton
Amall wes stone Cor cotton vessels, per ion
An exira charge of 6 d . per ton If sent from the quays to An extra char
Garmoyle.

Quayage at the Corporation Quays,
On ressels from firrelgn ports, per tonTh weasels conat ways, per tonUn lighters loading or discharging, pach

Vessels disclarging from onc to the other pay half quayage.
Vessels aro charged half quayage when lowded to tho beams only; if above the beans, whade quayage.
Steamers to pay per special agreement.
Lacal Lights or Beacons.- \(\mathrm{No}_{0}\) charge,
Note,-Foreign vessels belonging to cuntries having treaties of reciproeity with Grat Britaia are clarged with the like rates as are pid by British vessels to this corporation.

Benwick.

\section*{Tonnage Dues.}

Eyery vessel trading between Berwica and any piare, uparios
betwien Sunderiand In that port and Fifenea Between the Humber and Aberrieen
Between the N. Forelnd and Shetland
 Any uther placo In Great Britain, or any place in . 34 ," Any place
ond the North Gape


e Corporation Qunys,
per con:

\section*{Is, jer ton
king, each}
rr from one to the other p
1 half quavage when lowid if above the beams, ride
or special agreement.
ceons.-No charge. -sscls belonging to marties ciprocity with Gmas Binisia ie like rates as are pid by 8 corporation.
berwick.
inage Dues.
1 Herwica and annpiart
port and Fiferes pertlen
Trhetand
Britain, or any place in
furope betwen Durlitit
ne on the cons of Emape "." tralts of cilluraliur

PILOTX AND PILOTAGE \&e.
Tonnage 1hers.
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[t]{6}{*}{\begin{tabular}{l}
fiefe somel trading betworn II, entit ami and place in the White seat, of it the Melitervinean Nea, the Wat Indina, Amesica, fireenlant, oy any oflier \\
 \\
4.1. pite ton. Pef seryy venel comilng into the hathutur for sheiter; folwilat and deprariloy in hasilaot: \\
forian vemela pay double the alove fates anol durlea. forivery thip of yoel roming Into ithe haybouy, oser now aleve pates and dutios
\end{tabular}}} \\
\hline & \\
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\hline
\end{tabular} anney thip of yonet roming into the harbous, over 14. Red,

Pilotaye. Appill 1 to Octuber 1

Farh tide's work within the barbour 7a, Anchorage.-Id. for every vessel anchoring between T'weedmouth and Spittal.

\section*{Ilomton.}

Marbour Dues,-Ad, per registered ton, except coll, salt, irun, and carthenware, which are ctarged at the rate of 3 d .
Pilataye. - High Horn or lhonton Toft to Itoston fua or vico varkâ: 8f feet Iraught, las. fid. per
 fixra distanees lighoer rates.
Towage,- Boston to Eibow lhoy or vice versa : 3 to 10 fect, ㄹa. fid. per foot; all veamels trawingmure than 10 feet or exceediur 5 keels of conla, 3. pet ked loarled and 2s, brl. Hight.

Bulturt-When tnken from Clayhole, Fs . Gid. per tide for cach man ; if brought alongslite in the harbour ls. per ton, and in Clayholo 1n. ©id.
Tidemen,-5s, Gd. per tide.

\section*{Brimgewater.}

The fullowing ls the definition of limits of distrist within such parts of the lifistol Channel and whanent rivers and creeks, as lie on the south-enst ide of and are comprised within an imagianry traight line drawn from Anchor Ileal, in the conaly of Somerset, on the enst to Wateliet, in the same county on the west.

Tuble of Rutes of Pilotage.
From the extreme limits of the navigation, or trom any potut between such exireme limits and be outer buoy of the Cicre Sand, to the town ir to any point hetween the Ilack lock nnd the town, the resel being safely moored at her diseliarging berth;
Also from the town to the limits of the nuvlpaliun, or to any point between the onter buoy of the Grere Sand and the said limits, the following rates, riz. :
Oa revelnot esceediling 60 trns regiter -
ruceeding
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{3}{|l|}{filtons, ond not exceeding} & \multicolumn{2}{|l|}{\(\mathrm{ROSO}_{\text {tonc }}\)} & \\
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\hline 12.5 & " & " & 139 & 13 & \\
\hline 1301 & " & * & 2010 & - & \\
\hline \%(k) & " & " & 250 & & \\
\hline S0 tons & & & & & \\
\hline
\end{tabular}

From the outer buoy of the Gore Sand or from any point between such buoy and Burnhana, to the town of to any point between such outer buoy and the town, the vessel being safely moored at her discharging berth;
Also from the town to the outer buoy of the Gore Sand, or to any point between Burnham and the said buoy:-
On resels not exceeding co tons register -
ezceeding


From Bambam, or from any point between
Bumham snd the town, to the town, or to any intermediste point, the vessel being safely moored it her discharging berth, and vice versá:-

Theo neveral pllotage rates hercin apecilled are sulbject to a rodnctlon of in respect of vessels prigelled by stenm or towed by nterms vesaels.
If a master chooma to employ a pilot for a thide In the navigation, the pilot aliall bo cutitled to recelve for such nervice, 2 zs , Gel. fur each tisle.
'Trinity llouse by-law, approved by order in conneil of Jnly 25, 1861 :-
'That all ships navigatlug in ballast from any port or place in the United Kingilons, to any other port or place in the United Kingilom, shatl, when wot carrying passengers, be exempt from compulsory pilotage within the pllotago jurisdietion of the said 'T'rinity House.'

I'lis excmption from compulary pilotage does not relieve masters of vessels, employing unpuatithed piluth to take charge of their veasels, from the peunltios imposed by ss. 354 and 376 of the Merchmit Shipging Act, 185.4 ; nor unqualitiel pilats from the penalties impesed by s. 361 of snid Act.

\section*{Ihbstol,}

For Iock Dues, Mnyors' Dues, Anchornge, anil Momage \&e., see Dociss, Bhastob..

Mregulation cond Rutes of Pilots.
All vessels navigating up, down, of upon the Bristol Chunnel, to the east of Imudy Island, except coasting vessels and Irish traders, shall be piloted, and navigated by pllots, duly anthorised and licensed lyy the mayor, the burgesses, and commonalty of the city of Bristol ; and the manter, owner, or owners of every vessel which shall be navignted in the limits aforesaitl, without a licensed pilot, shall forfeit donble tho sum that would hive been demandable for the pilotage of such vessel, together with 60 . for every 60 tons burlen of such vessel.
It shall be lawfil for any licensed pilot to supersede any person not licensed as a pilot in the charge of miy vessel within the limits aforesnid; and every master who shall continue any person not licensed, after any lieensed pilot has offered to take charge of such vessel; and every person nssuming, or continuing in, the clarge of any surh vessel, without being duly licensed, after any licensed pilot has ollered to take charge thereof, shall, respectively, forfeit for every such offence a sum not exceeding 101 .

For rates of pilotage, вec Docks, Bnistol.
Fur each mun employed on board, or for hauling or towing any vessel, nad mooring or anmooring, from llailhurst or Cumberland Basin to I Iungroad Pill, and Iroal l'itl, aud from either of those places to Cumberland or llathorst llasiu, the pilut shall receive and be entitled to 3 s .9 d . per man; or from llatharst or Cumberland Basin to Kingroad and l'ortshead, or either of them, or from either of those places to Cumberland or Bathurst Basin, he shall receive 3s. 9d. per man, anil no more. When the pilot remains on board a vessel, he shall be entitled to 5s. per day, and the man to 3s. per flay.
And the pilot shall be entitled to and shall receive for each tow-boat and yawl employed in towing or assisting, mooring and unmooring any vessel from Portshead, Kingroad, Hungroad, or Broad Pill, into Cumberland or Bathurst Basin, and out of Cumberland or Bathurst Basin to

Portsheat, Kingroal, Hungrond, or Iroall I'ill, the nums following, vis,-for a tow-bont, 6a, ; for a yawl, 3s,

And he ahall recelve for every bont used in towing, unmooring, anil mooring any ship or venaol from either of the followhig places to any part of such places, viz.-l'ortsheatl, Kingrond, l'lll, or Ilungrond; or fur unmonring, new berthing, nal agnin mooring any ship or veasel ns, either of the saillast-mentioned placea, the sum following, viz, : for every yawl, 2a, bel.

And every man who shall te engagel or be discha: ect at Iungroal or lill, without beling employed to assist in mooring or unmooring, shall be entitled to, for thia fee or wagen, \(2 n, 9 d\). ; and the pilot shall be entitled, for the boatn not employed in so monring and unmooring, for a tow-boat, 4s.; and for a yawl, 2a, 6at, and ne mare,

The pilot of all vessels above 800 tons shall be allowed for an assistant pilot in the river pllotage, tho sum of 10 s , -such an assistant bolng a licensed pilot; In defnult whereof only 3a, 9d, shall be paid for such asslatant.

There shall be allowed for each horse used in towing any ship or vessel a sum not exceeling Gis, and to the driver la,
\[
\begin{aligned}
& \text { If uriter } 100 \text { tema revtrater burden:- } \\
& \text { If } 2(10) \text { tona tona and under why }
\end{aligned}
\]
re an en
And that such suma shall be addel to the pilotage note and paill therewith by the master and commander, merchant, or owuer of such ship of vessel.

In case any ship or vessel shall bo in dlatress, elther in the outward or homeward bound voyage, and any pllot or men shall run an lanminent risk or hazard in golng to the relief of anch ship or veasel, the pilot or men asslating shall have reasonable satisfaction for the assiatance so given nccording to such assistance, and tho risk and hazard run; and in case of a differenco of opinion ns to the amount of such satisfaction, the same to be ascertained hy two of her Majesty's justices of the nence acting for the city and county of 13ristol.

If any licensed pilot shall proceed with any ship or vessel as far as Minehead, Combe, or Lundy Island, and shall be forced by stress of weather to return to Kingroad or Portahead, he aliall be allowed one-third part of the chamel pilotage, according to the distance auch vessel may have renched before she shall have put back,

Each pilot shall, within two dnys after his return from a voyage to the westward, return to the haver: \(r_{1}\) aster the number of the skifi so roturned frosi) the westward, the time of her sailing, the tircu oi .ier return, the distan ee she has been, and the wames of the persons employed in navigating her, and all the material particulars of the voysge ; and each pilot who shall neglect to make such return, or phall make a false return, shall for ench offence forfeit and pay any sum not exceeding 40s.

\section*{ADDEXDA TO PILOTAGE.}

From Lundy Island to Swansea.-A uniform charge of \(4 l .48\).

From Lundy Island to Bridgewater.


Frem Lundy Island to Cardiff.-The same rates as to Bridgewater.
From Lundy Istand to Newport.-The same rates as to Kingroad,

Cardiff,-See Docks, Cardify.


Pilonage.-Llunits from a line trawn from the Naze Tower to the N.F. buoy of the Gualleet, up the river Calue to Wyvanhoo:-

\section*{Prom of to earlwayd of Kasomen \\ Farineen ta lableet}

Ballant lif did. wor ton jut on bosed.
Conis.

On every vevel rempritint
Colliciry
port In Irelana

\section*{Ballast.}

there
Ohm

Anchorage,
Pilotage.-During nummer montha, vesmels outsislo the limits of Cork Harbour, by speciol agree. ment.
From the Outward Limits of Cork Marhnur ite Cove, Pasage, and Cork, per Veasel.

Brithah vescela
Uader sit tóns.


300
400
4100
Coasters anil colliers
Under Mis tons
120 and upwasd


The whole of the foregolra charges are levied is tir Cmit Harbout Commisuloners, established hy local del (I) Geo. IV, Astl)

\section*{Cowes.}

Harbour Dues.
From Sr. to 1f. 10a, nceording it tonnage. Mooting pate ind
ringein indition, if ased. ringe in mulation, if ased.
Ballast.-In harbour 1a. Gd. per ton, in the roads 2a.

\section*{Dartmouth.}

Marbour Dues.-6d. per vessel.
Pilotage.
Bob's Nowe to the Start:-
If hoarded without the run of Mevitone Eas, or the Blacitues Weast feet and under, per foot 10 to 12
12
14
\(\begin{array}{ll}12 & 14 \\ 14 & 16\end{array}\)
4 boorded within
If boorded within the alinvenamed line one quarter patt, alikit in If boarded within the ceasle, balf rates.
Pllotage oui, onethlrd less.
Towage.-2d. per register ton.
Ballast.-Put on board, 1s. per ton,


\section*{Dover.}

Marbowr 7)ues,-Kivery decked veanel, 3d, per ton But conl, coke, oulm, stone, and ballast 1 f \(d\).
perton. manth charged ld. per week per reglatered toll. Teswela entering tha inner harbour, and being hept water-borne, to pay alditional ratea; if in lonign trade 1/d d, coastlng lid. per registered ton. Duse on Veasels pasainy from und to Jover.Esery vesech, except l', ballant, of wholly laden with coal, colm, or atone, from 20 to 300 tinn, 36 . per ton. For every chuldron of coal or culni, or ton of stone, 1 d \(d\).
Bridge-money,-For awingling brilge fur pasure of any vessel, 1s. vid. Tlilas chargo not so be waile on thuse which pay for belng water-borne.

Jilintage not compulsory, but bs, per fuot it needed.

Towuge from Murbour to Eilye of Nlond Tide,


Bullunt.- \(22_{0}^{\prime \prime}\) 3d. per ton (chalk).
Shipway without Curgs or Bullunt.

With Curgo aul Jullont.

 Giridiron.- Half the shipway rates.

Duntin.


Chorges and Dues Payable by Shipping to the Curporation, for I'reserving and Improving the Purt.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Duen and Chatry & Particulari amil Ristes of tia several Duea and Charges & \multicolumn{2}{|r|}{Tennuge luty} & Ballisat jut on hkoarl & & Walla \\
\hline (axlmi & \multicolumn{3}{|l|}{} & 1s. 9fd. per ton of \(x 1\) ewt. dito. & \multicolumn{2}{|l|}{1 fd . pet ton reghatef. 1d. ditie.} \\
\hline Shlure of ithe Dues and Churkti & Farticulan and Rates of the neraral Dum and Charges & \[
\begin{gathered}
\text { Prmm outolda } \\
\text { lanis over } \\
\text { llar }
\end{gathered}
\] & From Inold Bankn ovar liar & From the Ilay over Bat & From Pcolber to ftasin. Dochn, or guny". & Outwards \\
\hline Plonar &  & \begin{tabular}{l}
5s. 6 6 d. per fool. \\
2t. 91d. per fint. dilum \\
18. 1144, per foot.
\end{tabular} & \begin{tabular}{l}
3s. Midd. per foot. \\
10. 1ilud. per fond. dilio. \\
11d. per foos.
\end{tabular} & \begin{tabular}{l}
9r. 91d, per foot. \\
10. 4 fd. per finit. ditue. \\
11d. yer foot.
\end{tabular} & 10. 4ld. per Poot. 1d. jur foot. ditto. 3M. per foot. & 1s. 10 दud. yor foul. \\
\hline
\end{tabular}

Dundal.k.
Pitotage.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Mendured Tonnage &  &  &  & Reghtared Tonnage &  &  &  \\
\hline & \({ }_{6}^{6}\) in \({ }_{\text {di }}^{1}\) & \({ }_{0}{ }^{\text {\% }}\) &  & & \({ }_{4}^{2}\) in \({ }_{\text {d }}^{\text {d }}\) & 2. & \\
\hline \({ }_{30}^{40} 0 \quad 10\) & 0 & \% 1 & \({ }_{0} 0\) & 160 & \({ }^{2} 110\) & 118 & \begin{tabular}{lll}
1 & 4 & 1 \\
1 & 5 \\
\hline
\end{tabular} \\
\hline  & 0 &  & \(\begin{array}{llll}0 \\ 0 & 10 & 0 \\ 0\end{array}\) &  & \({ }_{2}^{2} 2170\) & \(\begin{array}{llll}9 & 0 & 6 \\ 4 & 2 & 9\end{array}\) & \({ }^{3} 8\) \\
\hline 70
80 & 140 & \({ }^{0}\) in \({ }^{1}\) & \({ }_{0} 120\) & 245 & 30 & \({ }_{4}^{2} 850\) & 106 \\
\hline 第 & 180 & \({ }_{1} 183\) & - \(\begin{aligned} & 0 \\ & 0 \\ & 0\end{aligned} 13\) &  & \(\begin{array}{lll}3 & 3 & 0 \\ 3 & 6 & 0\end{array}\) & \begin{tabular}{ll}
4 & 7 \\
2 & 3 \\
4 & \\
\hline
\end{tabular} & 1118 \\
\hline \({ }_{110}^{100}\) & 11.50 & 189 & 0 15 & \(300 \%\) \% 38 & 390 & \({ }_{4}{ }_{4} 119\) & 1146 \\
\hline (100 & (1690 & 178 & (1) \begin{tabular}{lll}
0 & 18 \\
0 & in \\
\hline
\end{tabular} & \(\begin{array}{lll}335 & \# & 330 \\ 550 & \# & 375\end{array}\) & 314
315 & \begin{tabular}{llll} 
\\
\(y\) & 14 & 14 \\
\(y\) & 16 \\
\hline
\end{tabular} & \begin{tabular}{lll}
16 \\
1 & 17 \\
\hline
\end{tabular} \\
\hline (190 & \begin{tabular}{l}
1 \\
\(y\) \\
\(y\) \\
8 \\
\hline
\end{tabular} & 1115
113 & \(\begin{array}{lll}1 & 1 & \\ 1 & 1 & 0 \\ 1 & \end{array}\) &  & \begin{tabular}{ll}
3 & 18 \\
3 & 18 \\
4 & 0 \\
1 & 0 \\
\hline
\end{tabular} & \(\begin{array}{rrrr}4 & 14 \\ 3 & 6 \\ 0 & 9\end{array}\) & \begin{tabular}{l}
1190 \\
1080 \\
\hline
\end{tabular} \\
\hline
\end{tabular}

Timatyr Duty,-Suiling versela, Did, por ton regintereil lomatage.

 gumitity dellverem on lowiril.

Irasila tuking Hefingr.--llritinh and forvign,

llritish and frovigu, bo and untor 100 toma reghers: 10 a. per vesnel.
Ilritish amil forelgn, ninve 100 toms regiatry, 208. her veanil.

Dunimik.
Tonnuger Dites und Duties.

Alf ateain vensela barrying goods amid parsengion to pay the samo moten an shiling vestela,

All versels from any purt of tho river 'lay, not oxcoeding 30 toms regiater, withatoues, and hinving no other goods on board, and idelivering their eargoes in the promincts of tho anid harbour, to pay ts, end voyage in mante of tomage dies, and ta. for avery 20 tons, or part of 20 tons, additional.

All vessels from my purt of the river Thy, with samd, and having no other goods on bonrd, to puy is. fir cals irip in name of lonmago dines.

It shatl be in the option of the trustees to charge pilher the tomage dines on the roynge inwarifs, or on the voynge ontwarils, at the rates mpecitiod in the above selechule: mad if the charge lo made on the vorape outwards, there mhall be dedneted from it, the numunt, of the dhes that may have beon previonsly paid on the vogage inwaris: Int if such reseels sail in ballant, they shalt be charged with thes on the inward voynge only.

IIf vessels lamerhed within the linrbour of Dumdee, or precinets theroof, to pay half dues on the voyage ontwaris, it sailing in bullast; but if loaded in whole or in part, or taking passengers, to pay fill ducs.

Alif vessels to bo permitted to enter the harhour of Dundee for safely, by payment of one-half of the tonnage dues; but if sind vessels shatl remain in the harbour, or any of the docks, beYond the space of 21 days, or slade take goola on boarl (stores for their own use excepted), or brenis bulk, they shall be liable in the full tomnge dues.

All vessels remaining in harbour to pay, after 2 months, ld. per register ton per month, in alvance, when they are lying in any of the tideharbours, and \(1 \frac{1 d}{}\). per ton when lying in any of the docks.

Each vessel, with the exception after-mentioned, entering the harbour and londing or muloading
goomin or ondaat wiftion the namip, or preformin moth operatione, lnefore leavinge the harhour to poy In nume of plank-money (whether a plank ho us or mot.), an follows:-



All varsels lomilod will lime aralis or 6 only, mul disi harginge their eargoes withan the
 Rowel Yarils, or to the wert ward ol the Magidalen Yuril, to pay onc-linif of tho dues in the almen seliodule.

Vassels with flah of nuy hind for corimg, ner to reginfor, or admensirement, at,

\section*{Bircmptions.}

All vomels leaving the linrluur for the parpose of taklige on homral lmillase fin miny part of dere tive Tay, meid redirning to tho sald harlourn, of the cimete therront, with lallast, whall not be liable is shoorn dues fir much returm.

Any versel andling from the pert of londer, and puit hack ly ntrons of weather, or any other emose, withong having aceomplished her vogage, shall mot be linhlo in additional dues fer such return.
Vessels partly londed wilh coals, lime, or mumare, or in ballant, but lenving domuge denls or storwoul on hoarel, whieli have lexen neal as sach, and nro intencled to he unloaded ior having gemeds on board, which aro neither to bo landeyl, mar peshipped into any ollier vessel within the hasbour or procinets, shall ho charged tho same dues as veswils wholly louled with coals, lime, or manaure.
Alt vessels nrriving in lallast for the purpose of being repaired in tho graving-doek, of on the patout alip, and departing in luallast, shall be exomptel from tonnage ducs, providell s.ech veseses enter for the dook or slip immelialely ar, arrivnl, and snil within 1 month after leaving socl graving-tlock or patent mip; otherivise to be chargell Id. per register ton pier month in alkame when they nro lying in any of the tide harbous, and 1 bed per ton when lying in any of the dates
Vessels with onrgoew, nrriving for the cxpres purpose of being repnired in the graving andet, at wa the putent slip, slinil unt be liable in shone dnes, provided they neitler take goods on boad (ntores for their own use exeepted) nor breal bulk, exeput. to lighten for getting into the dock, or rpan the slip, sund that they slinll again reloal ill the haoils no hamierl.
All resaels londing or imloating goods riting the precincts of the harbour of Duandee, to ths enstward of the Rowel Yarols, and the westrard of the Magdalen Yari, shall bo exemptel from payment of plank-moncy.
All vessels not carrying passengersarring in the harbour in ballast, mid departing azain in ballast, shall be suljeet only in half dasa; but if such vessels, after arriving in ballast, shall take in euryoes, or parts of cargucs, belore their departure, they shalt be liable in full dues.
Trable of Rates for Pilots licensed by the Trutted of ilic Harbour of Dundee.
For vessels to or from forcign \(p ;\) ts, boarded at the distance of not more than 3 miles outiand of the Fairway Buoy of Tay, o: at any peint betreen that distance and the said buny, and from thenco to and including the larbour of Dandee, de 6d per foot, aceording to the draught of water.
the name, or jerforming
aving the liarbour to pay, (whether a plank be usd

th lime, coala, or manure their enrgoes willin tho ir, to the cantward of the "ent ward of the Magdalion of the dues in the nhowe
ay kind for curing, perton

mptious.
ho linrberer for the purpose and In miny part of the tiver tho sald harliout, ut pres Inat, shatl not be liathe in url.
from the pert of bunde, tress of wenther, or any lasving necomplisle ther inhlo in ndilitional dues for

I willı conls, lime, mi manure, uf dunamage deals ot stom huve hocis used ou such, and lonited; or having gembly oo ther to bo lanalel, nur me r veasel wilhin the hasbour clinfged the samo dues as with coonls, lime, of matuate in bnilaat for the parpose of ho graviug doek, of on the rting in bnilnst, shall beex dues, provided such vasel or nlip immeliately or, at 1 month nfter leaving ace fent. slip; otherwise to te fer ton per month in alsane in nny of the tike hatbours in lying in nay of the docks nen, arriving for the cepras ired In the graving-dack, at shall not bo linhle in shore icither take goeds on ban tise exicepted) nor bral bulk, get ting into the dock, ot app ey shanll ngain reload ill the
ror umlonding goods sithin Cinrhour of Dundee, to the al Yarils, and the wesmand rd, slinll be exempled from ney.
rying passengersariving in ist, and departing apain in cet only in hall duss; but if riving in Jallast, shall take f eargoes, belore their depastble in full dues.
Pilats licensed by the Trudtet arbour of Dundet. from forcign pis ts, boartee at noro than 3 miles outrand of Tay, o: at any point belween a said buoy, and from thenco charbour of Dandee, 3e. 6d o the draught of water.

For vensely to or froms formign, bonrided hetwest the Falrway lhooy of 'Iny mid thos lowey on Ha Fillow rach, marked No, is, nud thenem to nuid hoclading tho linathour of Dinden, \(2 x\), firl, peor fars.
for vesse's to or from fornign, bonriond lertween be Ellow-end buoy, No. 8, and Mromplity Cantle, and frons thesece to aus including the lurbour of Jander, 1s. Id/, per foot.
All consting vensels loonded at the respereliva listacer aloove mentloned lo pry on followe, viz, pempla lonarienl nol. more than is miles mitwaril of the fairwny lhoy of Trey, to piy ils. per font; loetwen the Inirway lhoy of 'Tay mad the bilbow-
 Filuw-rind lhony and Ironghty Castle, to and intdgling the harbousp, 1x. jer foot.
All vesacls, whother forelgen or conating, bompilad alwie lirnughty Cintle, to and inelading the harbnum, \(1 s\), per foot.
In the event of havinge to stop la Carollan Ranas for want of water ill the harloure, or otherewise, the master of the vesed alinll lints, it lit bis aption pilher to dispmenso with tha merviese of the pilow, of detain hint on board till the verenes cancuter the harboner. In the firmer ease the pilot sablive entitledito lull pilotnge dhess; in the latler, the pilith shall be eatitleal, Isesides thene dher, to bas. for each lay; or part of a day, in mane of river fores.
 forpheses above lhudere, the river or ren pilotupe, indluting the lindour, whall bo paynhte in finil by such vessels when moored or oll ' 'hirotima Romils.

All vessela honrded betweron it miles mul it miles berond the lluoy of Thy to pmy 10x. Girl, ndilitionial for distance muncy; mid vessels bourded if milens beroend said lluoy of 'liny to pay 15x. of' disthure money.
Incase of lispute, the diatamee to len anecrinimed by the hencinge of tho different headlamla when the vesed was boarded.

\section*{Thy Light Dutive (hacul).}

The 'Fraternity of Masters and Seanen of Dolindee, iseerpuonted hy Roynl Chartec;' риняеня the right by charter, to levy, intar nlia, the following dues an vessels arriving within live Firth of 'lay, luing the wholedurges preselently made in respeet of sail cight; and lhose for nud in umine of the expense in erection mud maintenanca of 4 lighthouses owned exchnsively by anid fraternity, 2 of which are situated on the north side muld 2 on the soath side of said Firth; mul of certain buygs phaed in the Pinirway thereof:-
On esery lritish ship coming withia the entramee of the Firth of 'lay, whether wilh cargo on boand or in ballant, or driven therewilhin by stress of weather orotherwise, at tho rnte ol' 1s. for every 10 tons register; mater 10 tons, charged at the same ratio.
Oa every foreigu ship, privileged, the same rate of dues when in ciller of the ahove situntions. but the "Trinity" llouse makes fooml an equal amount to the said incorperation, in consequence of the half chargo being only innde on foreign resscls so privileged.
On every foreign ship, unprivileged, situated ns above, the rate of charge is 2 s . for every 10 tons register; under 10 tous clarged at this ratio.
No dues are levied on British ships, nor on ioreign vessels privileged or otherwise, leaving the 'Iay on their outward voynge, whether laden or in tallast, excepting in the case of now shipe, built withia the ports of Dundee and Perth regectively, which pay the above dues on British sinpping when leaving on their tirst voyage, thather foreign or coast:iag.
Buoyage,- \(\frac{1}{2} d\). per register ton.

Jixiven.
Hirbour Durk.-18. 2il, per veasel : thas mamo chargen it the rerevis.

Cicmal Dues.-V Vemela illilar 110 tonin regintor 4d. per ton; lill toun null over, tid.; mad besides 2 gal. par reginter tond for horne trachage.

Lsallant.-Aid. per ton, payable to the lord of tho mantor.
pilotame, - AH per numexol rate, exinblimhod
 anuetion of the 'l'rinity lhard of duly INis.
 linhlo to thas mate elargers, except pilotape.

Vewals takiug shatior only, are mot liable la any alarges beyond pilatage.
 None, mud vieo vernil, mul to and fromm mind inta and ont. of all perts null phaces within those linits.
'I'lin following ares the rates of pillotage for whipes in mud over liximonth thar, to tha morings in tho lighte at lixtimoth, mill ont agnin over the Ihar:-





In In liurt




Pilotage of Forcign Whips.


Ouckaris linfl thism.
All whiph rartled from Itighe at linonouth to Namin




Trignsoutir
Harbour Dues.-II. per ton fur every vessel.
Canal Duex, - Nil.
Ballust Dues.-Nil.
Pilotage.-As per annexed rate, established mbler Aet 6 Gco. IV. c. 125, lint nmended under sanction of the '1'rinity lboard of Nov. 1862.

Vensels coasting, or in the foreign trate, aro liable to the anme charges, except pilotage.
Vessels taking shelter only are not liable to any chargo beyond pilotage.
Masters of shipe taking n pilot off the Bill of Portland or tho Start (whleh is optional to them) are to pay, beyond tho pilotage, from Bob's Nose, or Lyme, as follows, viz. :-

Collters and conalers
And proportonably for incermediate diatances. 8






\section*{J.ight Jluen.}

Bilotuge.


 1.) (wirc conit.







1'ilutuye.




Light Dues.

Puwripen tratio vensento
Fiwrlimutr
Halliont.



GAl.WAY,
Dwes payable to the Hurbour Commiasionern an wll Vesseln, whether Britioh or Foreign, entring th Hurbour, whether fir llejuge or to Discharge their Curgoes in whole or in part, or in Bullast.
\begin{tabular}{|c|c|c|c|c|}
\hline Visurlo, Covating or Forrign, deliseringe whole of part of Capyo & Yeseela talioy Refuge & L/4hts & Ballust & Autboty \\
\hline 60. port ton roybutr & No charke exovit in usinf the duehn and quagt! in with cave & No charge & No charge & 100. IV, men. 1630 \\
\hline
\end{tabular}
 in whole ur purt，or fior Menfuye．

\section*{

 \\ \begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[t]{4}{*}{}} \\
\hline & \\
\hline & \\
\hline & \\
\hline
\end{tabular} \\ AII lir the hat

 kither． \\ hariwher thata， \\  \\ uyn \\  \\ Duen \\  \\ Hest． \\  \\ I＇wier what duthaily \\ I＇malive ence only esch poysur Milser culw nitle nr wive the，th}

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Kas handhmp



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\section*{Nirar I＇ilufa！！es．}


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IV exemilluk 1 ＂＇s＂．

Gimanton，abmining Leitio．

\section*{Hurhumer Jlurg．}



 To or foun suy other port in（ireat Itatala and I：elami，escept


Payahle on foretm and pration







































 jluy






















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 ancllarkyge rahils．


 but if In finllast，ur not ducharging suy carpis，oniy half duest．
 vates applicatide to cosationg pencela
cianai it．All anamern ylying io am＇from poric or placea，at par

 Clate or harbour rates，when wlih paranempers only，are chafgeable


Chase \(\mathbf{S}\) of hasbour setes table, and pasing to or repasing from

 Class 4 of harbour rates table, when with pasaengers only, are charge.解 at the rale of 1dd. per ton per trip, or 2fd. per ton per royage and 20 on for steamers piying to or from porth or places, at per Clasess 5 and 6 of harbour rates, arcording to the cable.
All Uritish steamers entering the hartours tn take In their marbour dues.
The rates in the foregoing table are exelusive of the harbour police rates on shipping, and of the town dues for anehorage
\begin{tabular}{|c|c|}
\hline Harbour Police Rates & Per rex. \({ }_{\text {con }}\) \\
\hline & ln. \(\mathrm{Onc}^{\text {| }}\) \\
\hline All shlys of other vemols trading to 41 from ports, bay, or islande, In Clarien 7, 8, 9, 10, and 11 oi the table of harbour rates - & d. \({ }^{\text {d }}\) \\
\hline All shlpo or other remeld cresiing to or from ports. basi, or isfande, In Classes \(3,4,5\), and 6 of the tuble of harbour rates & 1 \\
\hline \begin{tabular}{l}
Stearm phackets on the above lines, from the frequency of
their voyeres their voyages \\
All vassels of avery deacription plying In Classes 1 and \\
1.sd. yer ton pur annum.
\end{tabular} & f \\
\hline
\end{tabular}

Tables of Anchorage and Ring Money, inclusive : payable at Clearing Outwards, or previous to leacing the Port of Greenock.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|}
\hline Ships & \[
\left|\begin{array}{c}
400 \text { tonn } \\
\text { und } \\
\text { upwards }
\end{array}\right|
\] & \[
\begin{gathered}
350 \text { to } \\
400
\end{gathered}
\] & \[
300 \text { to }
\] & \[
\begin{gathered}
250 \text { to } \\
\begin{array}{c}
3001
\end{array}
\end{gathered}
\] & \({ }_{200}^{200}\) & \[
\begin{gathered}
150 \text { ta } \\
200
\end{gathered}
\] & \[
\begin{gathered}
125 \text { to } \\
150
\end{gathered}
\] & \[
\begin{gathered}
100 \text { to } \\
12: 5
\end{gathered}
\] & \[
\begin{aligned}
& 75 \text { to } \\
& 100
\end{aligned}
\] & 50to 5 \\
\hline \begin{tabular}{l}
Rate per voyage - \\
All vessels ahove 200 tons, whether shlp, bai
\end{tabular} & \begin{tabular}{l}
a. \({ }^{d} 0\) \\
e, or brig
\end{tabular} & \[
\begin{gathered}
4 . \\
9 \\
\text { intine }
\end{gathered}
\] &  & \[
\begin{gathered}
1 . \\
7 \\
7 \\
\text { nik as } \\
0
\end{gathered}
\] &  & \[
\underset{\text { sinalle }}{d}
\] & \[
\begin{gathered}
d_{1} d_{6}^{d_{6}} \\
\text { resels, }
\end{gathered}
\] & \[
\begin{gathered}
3 . \\
d_{1} \\
\vdots \\
\text { whate }
\end{gathered}
\] & \[
\stackrel{d}{2}
\] & \[
{ }_{y}^{2} d_{1}^{d}
\] \\
\hline
\end{tabular} regulate the rate.

Modified Table of Anchorage Dues, calculated for Stcam Packets, and Boats making freque Voyages.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Tans & \(\left\lvert\, \begin{aligned} & 350 \text { to } \\ & 400\end{aligned}\right.\) & \begin{tabular}{c}
300 \\
350 \\
\hline
\end{tabular} & \({ }^{250}\) 300 & \({ }_{2006}^{200} 4\) & \({ }^{175} \mathbf{2 0 0}\) & \[
\left|\begin{array}{c}
150 \text { to } \\
175
\end{array}\right|
\] & \[
\left\lvert\, \begin{aligned}
& 125 \text { to } \\
& 1.50
\end{aligned}\right.
\] & \[
\begin{aligned}
& 140 \text { to } \\
& 125
\end{aligned}
\] & \[
\begin{aligned}
& 90 \text { to } \\
& 100
\end{aligned}
\] & \[
\begin{gathered}
810 \text { ta } \\
90 \\
\hline
\end{gathered}
\] & \[
\begin{gathered}
70 \text { to } \\
80 \\
\hline
\end{gathered}
\] & 60 to
70 & \[
\begin{gathered}
8010 \\
60
\end{gathered}
\] & \[
\begin{gathered}
4010 \\
30
\end{gathered}
\] & & (30) 10 & 3010 \\
\hline When plying on line: Class 1, harhour rates &  & d. \({ }_{3}\) & \%. \({ }_{\text {d }}\) & \({ }_{\text {y }}{ }_{2} d_{1}\) & 4. \({ }_{2} 0\) &  & \({ }_{\text {a }}^{1}{ }_{1}{ }_{4}\) & \(\begin{array}{ll}\text { a } & d_{1} \\ i & 0\end{array}\) &  & & \(i_{i}{ }_{7}^{\text {d }}\) & & d. & \({ }_{\text {d. }}{ }_{0} \mathrm{~d}_{1}\) & & d. & h. 1 \\
\hline Class 2 " & 3 & 32 & 211 & 26 & 4 & 110 & 16 & 3 & 10 & \(0^{111}\) & \(\begin{array}{ll}0 & 7 \\ 0 & 81\end{array}\) & & \({ }^{1} 505\) & & & 03 & it? \\
\hline Class 3 & 38 & 36 & 32 & 410 & 26 & 22 & 18 & & & & & & & & & \({ }^{1} 1\) & \(10:\) \\
\hline Class 4 ? & 40 & & & 30 & 28 & & 20 & 18 & & & 10 & 0101 & \(\begin{array}{ll}0 & 8 \\ 0 & 91\end{array}\) & \begin{tabular}{l}
0 \\
0 \\
\hline
\end{tabular} & & \({ }_{6}{ }^{3}\) & ! \\
\hline
\end{tabular}

Harwich. Quay Dues.

Not exceeding 25 tons, per ton


Ballast.-Put on böard, per register ton.
Discharged.-Exclusive of labour, per register ton.
\begin{tabular}{|c|c|c|c|c|c|}
\hline Fram & To & \[
\begin{gathered}
\text { Undar } 10 \\
\text { feet }
\end{gathered}
\] & 10 feet to 13 feet & \multicolumn{2}{|l|}{13 feet and npwirds} \\
\hline 1 nw & & \(\boldsymbol{E}\) s. d. & \(\pm\) \%. d. & 2 & \\
\hline sea, ar Orfordnes & Harwich
Harbour - & 220 & 330 & \[
4
\] & \\
\hline The Rolling Grounds: Outw & Ditto ards & 110 & 1116 & \[
2
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\hline \[
\begin{gathered}
\text { Ilarwich } \\
\text { Harbour }
\end{gathered}\{
\] & Sea, or Orfordness The Ralling (irounds & \[
\begin{array}{lll}
211 & 6 \\
& \text { Two. }
\end{array}
\] & \begin{tabular}{l}
\[
220
\] \\
irds of th
\end{tabular} & 3
3 & \\
\hline
\end{tabular}

\section*{Harbour Dues.}

On all ressels of 30 tons or apwards entering the harbour by sea yarhts, yd. per ton. Ten payments in one year, unless in cases of steamers and river harges, elear from further paymenti in that year.

\section*{HULL.}

Dock and Harbour Dues payable to the Dock Company at Kingston-upon-Hull.
For every thlp or ressel coming to or going between the port of ingston-upon-Hul, and eny port to the youthward of the Holy Istand, for every ton
For every whip or vessel roming to or golng between the port of
 except as above, for every tom, the sum of - -
For every alifip or vessel tradiag bet ween the sald port of Kings-con-upon-Hull and any athar port or place in Great Britain,
Eor every ship or vessel trading befween the said port of Kings. ton-opon. Hull and any port or place lo the Balde Seas, and all other poris or places above the Bound, for every ton, the sum of
For every shlp or vessel tradirg between the sald port of Kings-ton-upon-Hull, and any purt or place In Demmark, Sweden, or Norw ay, below Hisisore, or any port or place in Giermany, Holland, Fisanders, France to thy easward of Ushat, Ire:
land, the islande of Guernsey and Jeriey, for every ton, the land, the islands of Guernsey and Jersey, for every ton, the
For ever
or every thlp or vescel trading between the sald port of Klnga-ton-upon-Hull and any isind or port or place of Europe to
For every thip or vemeel trading between the sald port of Kinga:-ton-upon-Hull and any port or place in the West lodies,

North or South A marlea, Africa, Greenlaod, or any place to the east ward of the North Cape of Vorway, sil places within ocean to the southward of Cape St. Vincent, not heces in the named, for every ton, the surn of
chand le) from eny of the alsovenamed to or golng (with mn. the rates, tonnis.c, or duttes named poris or places, double Fald ships belonk to lsritish owners.
For every ship or vessel sailing coastwise or o:her wise, of
c.mming Into the said haven in ballast to be lat up fin ton (coasting duty heluaded), thellast to be ladd up, for every
N.B.-River eraft using the docks and harbot at IIull are not charged any tonnage dues, exce in cases where they como from and go to othe ports.

Mem.-It is important 0 note that the due here given include any period of time durin which a vessel may lie in the docks. It mar a be stated that there is no transhipping duty goods at Hull. 'l'here is no general dock-rate groods ; but for merchandisc landed on the quit wharfage is eharged. The importer, however may remove goods by lighters \&c., without plas them on the quays; and the quays are perfect open to the merchant's labourers, if he choese land them there, so that the charge of the conpa may, if the merchant and shipowner so dexire, strictly limited to the tonnage rates ou the reas as stated in the above table.

\section*{An Account of Charges levied on Shipping} the Corporation of Hull for Buoyney a Beaconage.

Vessels under 20 tons And for every additlocal 10 tons:
A Scale oj Ancient und Usual Dusp pyyde the Corporation of Hull, upon stif: 2 Vessels Entering Inwards and Claring Ou wards, Foreign and Cosstuise.
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{A neharage} & & \multicolumn{2}{|c|}{Jeturs} \\
\hline & & Invards & Ontrende \\
\hline If under 40 tons burden & 10 & 4.8 & \({ }^{4} 10\) \\
\hline 40 and not 45 toms & 10 & 20 & 10 \\
\hline \(45 \cdots\) & 26 & 20 & 16 \\
\hline 150 " 100 & & \({ }^{2} 8\) & \(\frac{1}{36}\) \\
\hline \(\begin{array}{ll}100 & 3 \\ 150 & 150\end{array}\) & & 18 & 40 \\
\hline 100 " \(\quad 2500\) & & 80 & 50 \\
\hline 250 " 800 " & & 60 & 80 \\
\hline 300 and upwards" & & 70 & 66 \\
\hline
\end{tabular}

The charge for jeltage is not made unless with mods laded at or taken ln at Hull, or within the bstbour.
The bbove clarges are payable to the corporato be prescription and charter.
Jo charge made on vessels coming into port in ditress, unless they take in cargo.
Primafe snd dock dues are levied on behalf of the Trinity House and the dock company. For hese and pilotage dues, see Docks, IIUll.

\section*{Irswicis.}

Wck Dues on Vessels Entering or Departing from the Port, Luden.

All ressels bringing coals only, and departing in billat only, balf dues. All colliers bringing giwds are charged full tonnage duty for them.

Pilotage.
Huncich to Iprwich sod vice verna, with 2 or more masts Lernaton Creek to 1 p swich and vice versa, 2 or more masts :
 Onc.forri les if propelled or towed by steam.
Bullat-18. per ton, to be purchased of the duck commissioners.

Isle of Man, Peel, Rambay,
Pilotage.
British ressels onder 40 tons
liseds of 90 tons and under 60 tons


Kirkcainy.


\section*{Leitit.}

Pibiage, by Order of Couscil, June 30, 1863.


Eith tutendance erery 24 honrs-master pllot, 3 m .1 boatmen

\section*{Pilot Boats and Crews.}

merre hilrof pillote not necesary.

Flag u. Light Dues (Act 28 Gee. III. c. 58 s. 36.)
Tris reas'; of thatever burden, to pay to the thore-master
thilimint to. the man for hoisting the amg or putting up a. d.
cinture of io tons burden and upwarris, to pay for each
mandom nope 1. 6 d to the thore master, and ft. to the
antor hoixing the fang or putting up tha light.

Harbour Dues (Act 28 Geo. III. c. 58 s, 84).
All vesplat, whether nhipt, liarques, or bonta (ezerept draf basta,


Ballast (Act \(1 \& 2\) Vict. c. 55).

\section*{}

\section*{Dock Dues,}

For every shlp or vesel from any port ine ween nuchannesu and Eyemouth, Ineluding the Great Canal and the river a For esery slitp from any other port in Great' Brtain and IreFor \(-{ }^{-}\)- 0 For every shlp or vesel from Nowny, Sueden, Denmark;
Holatein, is, without the latite, send no farther south than Dunk irk, - 0 io For ceety ship on vesel combing from the liatic, all ntowe the sount, Onega, Archankel, derapy or fiuerney, Portygat France, and spatn, withoui the Stratus of Giluraltar, New. For equry ship or vescel fro or from \(A\) merica

Hot, if cienored, to be rimpryed as in bullait
For cvery ship or vessel in ballast cominas.
All steam resels froni ports in Firth of Forth, as 5 and North Herwlck, carrying passengers and lugkage exclusively,
Vessels laden with conl, sold in retail to the inhabitants of Edinburgh and Leith, who are hereby debarred from entering the said dock, are exempted.

\section*{London.}

Port or Dock Duties,--The following rates are received by the officers of this port on all vessels, entering inwards or clearing outwards, except in ballast, under the auth rity of Act \(4 \& 5 \mathrm{Wm}\). IV. c. 32 ; and the amount so received is pail into the chamber of the city of London, in cenformity with the 6th section of the said Act, viz.:-
From or to Denmark, Norway or Lapland, Holstein, Hamburg, Bremen, or any other part of Germany bordering on or near the German Ocean, Holland, or any other of the United Provinces, Brabant, Antwerp, Flanders, the Netherlands, France (within Ushant), Finland, Russia (without or within the Baltic Sea), Livonia, Courland, Poland, Prussin, Sweden, or any other country or place within the Baltic Sea, bed. per ton.
From or to all other places, \(\frac{3}{3} d\). per ton.
The following is the Ramsgate Harbour duty (per Act 32 Geo. III. c. 74), chargeable on all vessels trading to or from foreign ports or places passing the harbour, laden or in ballast:-

For every vessel trading coastwise passing the harbour, the rates not chargeable oftener than once a year.

Also Id. per chaldron on enels, and 1d. per ton on stone, payable for each voyage.

Dover Harbour Duty (per Act 9 Geo. IV.), chargeable on all Vessels, British or Foreign.
From 20 to 300 tons burden trading oversea, for each time passing the harbour, if laden, \(1 \frac{1}{2} d\). per ton; also the like stm for entering the harbour.
Coasters:-The passing and entering, duty onee a year; also \(3 d\). per chaldron on coals, and \(\frac{1}{4} d\). per ton on stone, each time passing.
Not having com or previsions for the greater part of the cargo, having come through the Cinque Port water, a fourth part of the Cinque Port pilotage rates.

Scarborough Pier Duty, chargeable on coasting vessels.
If laden, passing the pier, \(\frac{1}{6}\) of \(1 d\). per ton.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{6}{|l|}{Matai on Shifermo} \\
\hline & Ton. naze Duity & 1.huhthotive Duty & Anchor. ag & 1'llotage per font of walet drawing & Aallat \\
\hline rountian Truits. & & juec ton & & & \\
\hline Crame l.-Retween the Mull of Gailoway and St. Havilita liead, inciuding the 'ales & & \(\begin{array}{lll}\text { S. } & 1 . \\ 0 & \text { Of }\end{array}\) & 1.
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1
1 &  & \\
\hline plito, if takiug reluge in the hashoar only : \(\quad: \quad:\) & & & 10 & & " \\
\hline \begin{tabular}{l}
Clasw 2. - Hetween the Mull of Hattnway nnil Duncan's Hay Heci, inc:uling the) \\
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\end{tabular} & 0 11 & 0 H & 10 & " & . \\
\hline Intio, if tatiog refuge in the harloug terly & . & 0 03 & 10 & \(\cdots\) & \\
\hline \begin{tabular}{l}
Cisan \(\mathbf{3}\) - All parts of the Kant and Southern Coasta of Ilrent tiritain lietween \\
 all jarts of the i'ent Clonnt of Irelancl, frum Cape Clear to Malling Misul, licluct-
\end{tabular} & 08 & 001 & 10 & " & " \\
\hline  & - & 0 Of & 10 & * & \\
\hline Forden Jom, & & & & & \\
\hline \begin{tabular}{l}
Ctana 1.-All parta of Enrmje th the Northward of Capre Findicrre, and to the) \\
 elading the Ialands of Guernery, Jersey, Alderney, surk, the Faro laies, andid
Ieviand.
\end{tabular} & 010 & 011 & 13 & \[
\begin{cases}9 & 0 \ln w . \\ 14 & 0 \text { eut. }\end{cases}
\] & " \\
\hline Ditto, If only taklige refure - - - - - - - & - & 0 11 & 13 & \(\left\{\begin{array}{l}9 \\ 0\end{array} 1\right.\) inv. & \\
\hline \begin{tabular}{l}
Crasa 5,-All parta within the Gategat and fiafte, including Swoden, the White) Nea, and all perts to the Bastwari of than North Cape, nll jayts In Europe ti the \\

\end{tabular} & 114 & 0 11 & 13 & \[
\begin{array}{ll}
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1 & \text { ont. } \\
\{ & 0 \\
1 & \text { inur. } \\
1 & 0 \\
\text { out. }
\end{array}
\] & " \\
\hline Ditto, If enty taking refuge in the harhour * - * & . & 01 & 13 & \(\begin{cases}9 & 0 \\ 1 & 0\end{cases}\) & \\
\hline \begin{tabular}{l}
Ctass 6.-All parts on the Bant Coase of North Amerien, the Weat Inillea, thel East Conat of tiouth Amurica to the Northwarif of Hlo do in l'lati. incluyive, all the Weat Coast of A frica and Lalarkds to tha North of the Cape of fiokl Hopes, \\

\end{tabular} & 141 & 014 & 13 & [1 0 out.
\[
\begin{cases}n & 0 \text { Inw. } \\ 1 & \text { U out. }\end{cases}
\] & " \\
\hline Ditto, If only taking refluge in the harbour * - . - & & & & & \\
\hline \begin{tabular}{l}
Ciata 7.-All payta In South America to the Smuth of Mio ile ta j'lata in the \\
l'actic Uceasi, in A frien and Asia to the Enat ward of the Cajue of ' Good Iloje. .\}
\end{tabular} & 1 41 & \(\begin{array}{ll}0 & 14\end{array}\) & &  & \\
\hline Dito. If only taking refuge in the harbour & & & & \[
\begin{cases}1 & 0 \\ y & \text { our. } \\ y & \text { inur. } \\ 1 & \text { in out. }\end{cases}
\] & " \({ }^{\prime}\) \\
\hline
\end{tabular}

\section*{Londondemit.}

Tonnage,-Collected unier 2 d 3 Wm . IV.
All ships from fureign parts, 3d. per ton : coasters, 2d. per ten; vessels in distress, or taking refuge from stormy weather, free; vessels in ballast, free; vessels under 20 tons, fres; no deduction on vessels delivering their cargo in part.
Pilotage.-Cullected under \(2 \& 3 \mathrm{Wm}\), IV. and reduced by by-laws to tho fillowing rates, for slips of every deseription, or steamboats, viz.:-

Inwanim, - [Per firot, and inches in proportion.)


Gurwalios-(Per foot, anil inches in propoztion.) 7 feet and under to pray 111a. 6 d . above 7 fret and under is to \(p\) at athe 5 .
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline & (eet & & & pay & the rate of & \\
\hline 9 & & " & \({ }^{9}\) & & \(\because\) & \\
\hline 10 & & " & 11 & & " & \\
\hline 11 & & " & 12 & & " & \\
\hline 12 & & " & 13 & & " & \\
\hline 13 & & " & 14 & & " & \\
\hline & & & & & & \\
\hline
\end{tabular}

Vessels of 30 tons burden, per register, and muler, shall pay 10s. inward pilotage, and \(6 s\). outward pilotage; above 30 tons and not exceeding 40 tons, if bound constwise, and sailing in ballast, only 8s. ontward. Boats which have discharged potatoes, under 20 tons, 3 s . 6 d . outward pilotage, if lritish. Wind-bound vessels half pilotage in and hnlf pilotage out, to or from Moville or Quigley's Point, Vessels towed by steamers \(\frac{1}{}\) off, if demanded by the master or owrer, or by any person for them, on producing a proper crder.
All vessels laden with bark, under 120 tons, to pay \(6 d\). per foot extra; 120 tons and not exceeding 150 tons, 9 d. ; exceeding 150 tons, 18. per
fuat extrn. All ships from forcign parts, or, if bound to foreign ports, having on borrel half their registered tonnage of cargo, or with passenyes, \(t\) pay 8d. per foot extra, in addition to the alore charges.

Vessels which have eleared the Longh, and br stress of wenther obliged to return:-lt is herefir directed, that ns these vessels llave pail the full nmount of pilotage, they slall pry but \(\frac{3}{3}\) in, and 3 out, of the nmount of their outward pilosage, to lee aseertnined by the master's accoullt from the eollector of pilotage.
lilots detained on board ressels, the sum of 2s. 6d. per day; when the measurement exceds 150 tons, 3s, Gel. per day; detaining them urnecessarily in Derry, the like amount.
Bullast.-Collected under the \(2 \& 3 \mathrm{Wm} . \mathrm{IV}\). Masters of vessels may procure their own ballast in the best and cheapest manner; but those who mny wish to be supplied by the ballast oflice par, for gravel, \(1 \mathrm{~s}, 3 d\), per ton; sand or sufficieat ballnst, 1s. per ton.

Anchorage, Collected from time immemorial. Vessels with one mast, 1s. Gd.; ressels with ? mansts or more, 2s. 6d. Vessels, unless ther come to the ship quays, are not charged,
Merchants' Quays.-Vessels arriving ar saling with a a argo are free; the owners of the goods pay the wharfage.

Vessels arriving in ballast for the purpue of repairing, pay \(2 d\). per ton on the register todnage, for the berth and use of the quass.
Vessels coming to the quavs for the purpose of diselarging or taking in bailast, par 04 per ton on the quantity discharged of taken int.
Vessels arriving in ballast for the purpoce of taking passengers, pay 2d. per toa on the register tonnage, for the berth and use of the quars, and the passengers' luggage is free.

Vessels that have discharged their curgoes, and take in ballast for the purpose of taking paseengers, pay \(2 d\). per ton on their register tonnage; the ballast and the luggage are free.

Lynn.
Town ducs, foreign and coasting vessels, are as follows:-

Beacmanaze, per ton delisersed. Mratape. ditio
tatherer ilito per vemel


These dues are not parable from vessels taking truge or discharging their cargues for tho purmeof repairs, and are under the superintendence of the corporation.

\section*{Mooring Dues.}

Id per ton delivered; unprivileged vessels diuble.
Yot chargeable upon vessels takinf reíuge de.
linder the control of the commissioners uniler the Pilot Act.

Pilotage.
Ta la feet dromght of pater
Ticeuling io foel to iy feet
il n." 14 in . 8.6 mn.


The rate is the same whether loaded or in ballat, sad is chargeable each time up and aray, as well as on vessels taking refuge or in distress. The Company of lilots is under the contol of the commissloners under the Pilut Act.
Ballat.--Ballast is supplied to vessels by prirate indiriduals at 1s. 8d, per ton. This charge is independent of that of ballast., under the head of tomin dues, which is payablo from all vesacls not helonging to freemen of the borough of King's Lynn.

\section*{Montrose.}

The dues and charges lovied under the lat Yict. c. 99 are the following :-
1. Trisin ewefh napigating to the southea
Tropic of Certicon, per reeriter ton \(o d\) the
4. Baxien the Equatoc sha the Tropic of Capricorn
1. Tome from moy port Io North Americe, (Gireen.

Eriut of Giltratiat :
Tamtiom any pore to the north of Dronthem.
in Noreser
in Nof IJJd from \(A\) iorta, Medolfh, or Tene: 0
6. Tour fom ang port between Giherliar and Dun.

on casting Pasela.
1. To 0 from any port in Great Aritioln or Impland,
lackuing the biande of Guernsey, Jersey,
and ertmest - 0
A. Ail rewest liden milih eoas or Ilme only, from
2rind port in Great Britain ac., excepunks scot-
1. 111 mela liden with coale or lime only, from any port as Becuiand, and all rewele ennatiged in ine bering tride - 0 :
 min mod thet lugerege exclual very
2

It is in the option of the barbour trustees to charge either the tonnage dues on the voysge inwards, of on the voyage outwards, at the rates pecified in the above schedule, according to the distance; and if the charge be made on the rogage outwards, there shall be deducted from it the amonnt of the dues that may have been periously paid on the voyage inwards; but if mech vessels sail in ballast, they shall be charged
mith dues on the inward voyage only.
All ressels with cargoes are permitted to enter this harbour for safety or converience by payment of one-half of the tonnage ducs; but if trey shall take goods on board (stores for their om ase excepted), or break bulk, they shall pay lianage dues.
All ressels remaining in harbour pay, after

2 montha, ld. per register ton per month in advance.

Plankage.-Each vessel entering the harbour, loading or unloarling goods or ballast within the same, of performing both operations beforo leavIng the harbour, to pay, in name of plank-money (whether a plank be used or not), as follows, viz.:-


Local Lighta and Beacons. - Tho harbour triss tees are empowered by the before-mentionel Act to charge at the rate of \(\$ d\). per ton on vesselx, for the support of the harbour lights and heacons; but, finding that a less rate would cover the expenditure, they reducod it to \(\frac{1}{2} d\). per ton.
Pilotage.-By virtue of the powers conferred on the harbour truatees, the following rates of pilotage wero flxed by them, viz. :-


The third boat is paid the samo as the second, and the pilot-master's charge is 6 d . per mast on each vessel entering the harbour.
Ballast.-Put on board, 9d.; dischare sud free.
Newcastie.
Tonnage Dues.
On every vemel with a cargo to or from any port or pilcer eefg. Ion
 the United Kingdom, or the lale of Man, or the continent of if On every vesel with a cargo to or from ang other port of Steam Vreselt, plying on the Tyne, for toming vemels oe ronvey



Ballast.


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\section*{Jhwhoiner／huen，}








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\section*{Piymouth．}

\section*{Sultush 1hwes．}

1s．per veisel of every dewcription，whether takink reing in the harbour only，or to deliver the carsis，whole or in part．
suttun meot．
Dres payuble to the Sutton Pool Company．－Tolla on Ships．
For all ships or ressels coming from foreign parts，id．per ton．

For all shins or vescels emaknal in th consting trade，or coming flow Ireisi，abore 5 tons， 1 d．per ton．
For all such ships or reselsed 30 thad or med dd．per ton．
All vessels employed in fishite wal rexajin to the port，11．1s．per annum．
All barges，lighters ind etber exi：shore？ tons，11．per anaum．
All barges，lighters，and ecberext ander 2 tons 16 fis．per annum．

All ships or vesels lying within the suid har bour more than 3 calendar mexts（zless ande

\section*{}

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\end{tabular} & \(3{ }^{3}\) & 2 & 30 & \({ }^{2} 9\) & 3 & & － & － & － & \\
\hline \({ }^{*}\) Plommowh mouni & & － & & & & － & i 0 & \(1 \begin{array}{ll}1 & \\ \end{array}\) & \({ }^{3} \mathrm{~A}\) & \(y 0\) & & & & & & \\
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\hline
\end{tabular}

All ahipa drawing lens thans 8 ft ．of water nes to pay the same amount of pilletage as if they were of that drauglit．
The several pilotage raten hervin npmeifed arus mbject to a reductlon of ouse－fourth fart in rempec： of ressels propelled by steam，and vessels towed liy stean vessels．
N．B．－Ships returning by distreas of weather to pay half the cornmou pilonage．
Distance Pilotage，－For eviry league without a line drawn from the liam Ilead to the Mewstone， one－forth part of the rate of pilotage chargeable on the vessel from sea to this fround．
The foregolig rates are levied by authority of the Tinity Bosrd，under 6 （ico．1V，c． 125 ，and were sanctioned November 1862.
There are no charges levied for local lighta or beacons it this port．
There is no regulated charge for bellast，nor any Board appointed for its supply ；the parties olstain it on the beat terms they can from different quar－ ten，the quarries here abounding with matter fit for the purpose．

\section*{Porthmoutif，}

Ilarbour dues payable to the Corporation of the borough of Portsmouth，per Act 3 Vict．，In respect of all ships or other vessels arriving and casting unchor，of making fast，in the harbour of Ports－ mouth，for each and every time such ship or other reacel shall enter or come into the harbour－

\section*{}


Stenmbols to be charged onity oree a daj，
Eremption，－Pitot－loats，fishing－vessels，boats andecked，and ships and vessels arriving in dis－

Ton
Tonnage does payable in respect of all shiph，
Wats，ot other vessels，lading of unlading，upon
crfrom the wharves and quays or other worka，or
in Ilar Cumber，within a lisin drawn from the north cant anglas of Mr．Shulegrenin Mtore，to tha： month－went nogles of thice New Gun Wharif－
＇I＇s ur from liyu or Nalcombs：，or any purt or places bet wern thein， 26 ，prar tun．
＂al）or from any port or place in Cinuat Itritain or Ircianil，conntwines isd．jer tom．

Tuo or frome parth（forelgn），112．par ton．
General E＇remptiom，－－ISer Majenty＇n ahips，ves－ aceln，or boath，or any hhip，venmel，or Imout in thos nervled or＂inploy of her Majenty＇a Cuntorna or Excine，or Bonrol of（Ordnancr：
No charge for local lighta and beaconn at thita purt．


Nhlpo inward borund，bourdel butween Nemipo and llotue casile， 2p．per fuot．Shipe Inward bound，bowded latween Hure fiathe and Nowton Creet，1t，per foot．Whipe comiong Irum Cowew Ifartorws to pay lo．bd．per foot，und mme as aronge eve．
N．B．－The carly insue：of a new tabice for Ports－ mouth is expected．

\section*{Ramsgate．}

Harbour Dues．－For every vessel under 15 tons burden， \(4 d\) ．per ton； 15 tons and over， \(6 d\) ．

Pilotage．－Dis．per foot of draught．
Kefuge．－No due for 60 hours．
Ballast．－Put on board：sand，18，3d．；chalk， 1s．11d，per ton．

Stioo.


Foreign poretis

\section*{Scannonouall.}

\section*{Marbour Dues.}

All verials unief 80 tons, 4 d. ench; abofe 50 tons, \(1 d\), per rrgistered ton. Coais lansled, Gd . perion.

\section*{Corporation Dues.}

Each verel, 19. 6d. Ceals deli pored, 1/d. per ion.

\section*{Soutitampron}

Vessels, whether coasting or forcign, entering the port of the town of Southampton, are chargeable with a boomage duty :-

Under se ioma
unden 100 ione

And all vessely, upon loading or unloading in the roads, at the legal quays, or in the docks, \(2 d\). per ton, register tonnage, each voyage ; if with hal cargoes, \(1 d\).


Rent after 3 week , per reploter ton, per week
Coasters landing carno or pawengers, oe loading out, with (eetbo prisllofe
Aent alier i wrek, perr rephiter ton, per veek :
collifier trankipplias thair sargoes into vecela in dock, per
The docks are part of the port of Southampton and consequently vessels using them are subject to no extra dues of pilotage.
Hates of Pilotage for the Port of Southampton.
From any place within the Isie of Winht to Southamp- per foot on, Hamble, ry Buriedon:
For veselid drawlng 17 n. water and under
For viseels drawing more than 17 f.
Fom any place within the ilie of Wight to Eling, Red. briage, Nort
rooet rutes.
rom southampton to aet
aeat :
17 f . waler and onde
17 f .
17 f. And not esceeding \(20^{\circ} \mathrm{n}\)
For removing vencelo frome onan place to io enother within the
Sonthampton Water, of within the litu of Wight, the
following rater, via, :-
Chapel, and vice tertedbidge, Eung, Northarn, or
From Southpmpton to Jlambla, Burdedon, Iape, or
and for any Intermedinte distance a proportionate part of the above rates.
Ballast,-1s, per ton.
If a master choose to retain or employ a pilot whilst at anchor, the rate for the lay-days is to be 7s. \(6 d\). per day, exclusive of the day on which the vessei comes in or goes out.
N.B.-A new table for Southampton is in preparation.

Stockton.
Foreign Trade. Inveards-Unlted Kingdom, fole of Mon, White Boa ports
setween North Cape and dibraltar, Baltic, and Briuch poses. alome in Norts Amberice, per resictier ton .
untwards.-Rame duea.
Thips seafing sofuke, per regleter ton
hips in liailet
Lival Roat
Bullist tissclarged at tino Middicoboro' crans 4d \(d_{2}\) per tols.

Rates of Pilotage for every Foot of Water Fessel drawe.

N.B.-Owners and masters of ahips using Tees anil port of Stockton are not to pay more any other rates of pilotage, than the above tioned; and all pilots acting under the biee and authority of the master, wardens, dc of \(t\) Trinity House are hereby ordered and directel to ask, demand, or receive for pliotage any mo than the rates as above stated.

\section*{SUNDERLAND.}

Harbour Tonnage Dues.
United KInedom, Isle of Man, porta het ween Uhent and in scaw, not exceedina 1 shi toma register.

his to be pald eith
the highest rale.
Refmge, per regiter ton
Port Litght
Growndere Dwer, per venal, per voyage
Neweaotfe Trinity Hfowee.-Under 100 tons

Bmoys, each tocel
Lfefboaf, by consent
Ruver Watth, per ton, each rogage, ench jew
Dock Dues, additional (Iswad).
1. United KIngdom and Iate of Man, per redient ion 4. Euroges botween Ushant and Nars of Noresy, Gwown
3. Fantic Sevey, Uhant, and Gibratiar, Nare and North Cpe" Within tilbsaltar, etast of North Cape, Madifn, dunt North A merica, south of Dapis's Strilt Oufwardec.-Clanes 1 , y, clane 3

Pilotage.
April 1 to October 1
Ballant.
Under 400 tons
2lacharging flay on and upwards:
Disehsrging rlay or rubhiloh, entra 0 ctover 1 asd d mif it Shipping bellast from dock quay!

\section*{Mast'ng Rates.}

Vensels under 300 tont
300 ions
800 tons and upvards
\begin{tabular}{|c|c|}
\hline Intion tumas & Selinat \\
\hline Mand Inti. 1 to & \multirow[t]{2}{*}{\({ }^{\text {Yower }}\)} \\
\hline in Out & \\
\hline per foor & \\
\hline s. d. A. d. & \\
\hline & \(1{ }^{\prime \prime}{ }^{1} 1\) \\
\hline \(\begin{array}{llll}6 \\ 6 & 1 & 3\end{array}\) & \(\left[\begin{array}{llll}1 & 0 & 1 \\ 1 & 1 \\ 0 & 1 & 1\end{array}\right.\) \\
\hline \begin{tabular}{cc|c}
1 \\
1 & 6 & 1 \\
\hline
\end{tabular} & \begin{tabular}{ll}
1 & 0 \\
1 & 0 \\
0 & 1 \\
\hline
\end{tabular} \\
\hline
\end{tabular}

\section*{ster lon \\ ":}
- every Foot of Water el draws.
is Ath buay, beoing the frew wio es of machoram Sor Parliume
Idalleburs
and A pril I, Wd. per foot nith
d masters of ships uing cekton are not to pay monh inotage, than the abore ots acting under the lizem ereby ordered and directad receive for pilotage an m jove stated.

Dhland.
ur Tonnage Dues Mnn, porta hetwer
it tons regiter Pand up"wardo
entrance or clearinan, bat almanu

Mel, per voymo -
Mel, pro vo mon

\section*{eseel \\ y, 3}
each \(\operatorname{rog} 4 \mathrm{~s}_{\mathrm{s}}\) ench your 2e, additional (Invard). A hile of Man, per Nuiper was:



\section*{Pilotage.}

Ballatt.
nd upwerds:
 Hock quas:
Masting Raten.
\(03^{\circ}\) tone
and uprard

- From outside of Nenth liaz to the faypr, and to any distance

 versa. From outsile of Neath Itar to any distanca lying between tha



 ilisisnce fur which any such rate may be payable, tha reluction of
onve.fourth nhall he niade on such part only of the satd ratu as shall be
 the por
\[
\begin{aligned}
& \text { To or from the Muinlitas when wheclaily retaine }
\end{aligned}
\]
'wansea,
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow{4}{*}{Drued} & \multicolumn{2}{|l|}{\begin{tabular}{l}
First itstion \\
Sruth Bar to layur or any dhatance berieed Lajer and touthern end of altivy Enates
\end{tabular}} & \multicolumn{2}{|l|}{\begin{tabular}{l}
Necond Rtation \\
Neath Ilar to any IHalance thet ween the rirst Station and the A bbey Fll
\end{tabular}} & \multicolumn{2}{|l|}{\begin{tabular}{l}
Third station \\
Neath Jar to dhbey Pill and Neath Jiridge
\end{tabular}} \\
\hline & \multicolumn{2}{|l|}{} & \multicolumn{2}{|l|}{\multirow[t]{2}{*}{}} & \multicolumn{2}{|l|}{} \\
\hline & \multicolumn{2}{|r|}{Abore 60 tons hegiter} & & & \multicolumn{2}{|l|}{Abmee 60 tons lliegiter} \\
\hline & Wih Steam & Whhout 8team & Whth Mieam & Without Stram & With Sisam & Wlthout Sitam \\
\hline  &  &  &  &  &  &  \\
\hline & \multicolumn{2}{|l|}{And 10a for evers of foot above is feet.} & \multicolumn{2}{|l|}{And 74. for every \({ }^{\text {d }}\) foot above 18 feet.} & \multicolumn{2}{|l|}{And 8a. for serey If foot alove 18 n.} \\
\hline
\end{tabular}


All vessels, whether in the coasting or foreign trade, whether with cr without cargoes, or put into the harbour for refuge, pay the above rates.

Charges levied by the Duke of Portland.
Water duet, per \({ }^{2 C}\) cons register

Discharfing limetore, per ton
Hamier money on each pesel
Hawner mones on each vesol, an follows ing. i-

PILOTS AND PITOTAGE \&c.


Double the above rates are chargell if the hawser is used.
Pilotuge,-ld, per ton register on all vemels above 45 tons register.

Harbour Light.-fl. jer reginter ton.

Watearohd.
Dullast Dues.
Por every imn of malliant
birueghic alonkeride by lighter diachurned by ly literss
delliwited at ballast quay:
discharwesi nt ditto
IImatione auppled


Pilotage,-livery vesael entering the harhour of Waterfori between March 25 and september ?9 drawlige 12 fect and upwards, for every foot of lier draught pays ne foilows, viz.:-



Vessels taking refuge in this harbour are subject to no other charge than pilotage, at the abovenamed rates.
Vessels not exceedling 50 tons register, arriving from or sailing to any port in Ireland, are not required to take pilots or pay tonnage duty.

Vessels laden, two-thirds laden, or having 20 tons potatoes, without any other goods on board, arriving at the port of Waterford, and retailing same at the quay, are not charged any of the aforesaid rates and duties.

Tonnage Duty.
On Britash vecele with gooda or ballatt.
conl inden - : 3d. per rearion
coal tomen regititer and upwarde,
so from any poyt
Water Bailiff': Feen.
1fd. "
\(\qquad\)
Tonnage Dues on Britah and fortion vesela, per ton \(\quad\) id \({ }_{i}\) Anchorage for vesmela nok eacesuling \(\% 0\) conim regiater, esch nutor saceeding 20 nd not exceeding 30 tons regroter ilito, axceeding 30 toon spgitere, and upwards

Colliers requiring the use of beams, scales, and weights, are supplied with same at the following rates, viz.:-
For peryy reseal not exreeding 50 tons regiter, for use of each oet of beami, scime, and weighta

Por ever vesuel exceeding 100 and not ancending 1.50 mom
kister.
of pach
\({ }_{2010}^{2010}\) tons and "ulwards
Westport,
Pilotage.
 called the Out Pllotage, per receel
slown by a siver pillt, the charge per foot up, and in name down

Harbour Dues, Quayage,

N.B.-There is no charge for anchorage in 4
of the lower roads or harbour.
Ballast.-Delivered to vessels, at las. per ton, No charge on discharging from the ressel, master paying the labourers himself, as per ifo ment.

Lighterage.
When large eveeln foish their loading down tha river, per we
The foregoing charges, with the exception ballast discharged and lighterage, are levied prescription under the harbour commissionern Vestport.

Wexpord.
\begin{tabular}{|c|c|c|c|}
\hline Does and Charge & Tonnage & Ballast & Muater \\
\hline \begin{tabular}{l}
For every vesuel which ahall enter wilthin the limitu of caid harbour, and be enilited to the privileges of a Britiah ship, upon every ton auch For avery vescel not io entitied \\
-
\end{tabular} & Stid. per ton & & \\
\hline For every tom of malleat tateo in by any voset (though the Act invle: & & & \\
\hline For every ton of dillast discharged from eny vesel & \(\because\) & 24. \(\%\) & \\
\hline For every shall meanure & . & & S4 pramm \\
\hline For wery remed that shall enter into the harbous or leave the came in bailmsi, or nhall discharke her carroo, or any part tuereof, withoul taking in any new oargo, or thall, without discharging her cargo or & & & \\
\hline any part thercof, take in new carko, then, in any of those cases, cor & & " & \\
\hline
\end{tabular}

Wimtay.
Duef,
1 givef light venol

Inry tmel noder 13 tons entering or leneing hacibour, per



Fuing puedr kater 15 ponn wach



Pilotage.
AIFA fifuptember, per foot
Ballat,
Iu m boand or alluchazged, per ton
Whitpitaven.
(hurget on Veusels in the Foreign and Cuasting Trade.
Harbour Tonnage Dues: Inveards.



 dive fow la phata laclualice, and to the northorard of the
 Avom, Novforndiand G Grefontand and Darls' Miraith Frum pert of oumh America to the wouth ard of Hle Le: Pruta, in the Pesinc Ocean, in Africa and Aala, to the eratPuta, in that Pas of Ucoaniope.

Harbowr Tonnage Dues: Outwards, To ens pert of Oroal Mritaln and Ireland and Iale of Man : mill
Ta cse other puit of the world

Pilotage: Inwards and Outucards.

Ballant,
Pot wery ten dhehar fed, elther fro

IIarbowr Boat.
Pilotage.
4, being about 9 milles, and \(I\)
wewe vela are conducted ap and

Dues, Quayage. a eargoest, pay per tom
departing
Fith earko, per lon eharge for anchorage in s harbour. I to vessels, at 1s. per tonh harging from the resel, 4 bourers himself, as pet aft
ighterage.
eif loading down tha river, per tan.
rges, with the exception and lighterage, are Ieried he harbour commissioners

were abolished by 24 \& 25 Vict. e. 47 ; and all lucal exemptions (compensntion being provided for) were abolished by 30 Vict. c. 15.
PIMENT' (), ALLSI'LCE, or JAMAICA PEPPER (Fr. poivre de Jamaïque; Span. pimienta de in Jamnic: ; (ier. nelkenpfeffer ; tal. pimenti). Nat. order Myrtacec. The fruit of the Eugenia pimenta, a benutiful tree which grows in grent plenty on the hills on the north side of Jannica. The berries are spherical, ant, when ripe, of a black or dark purple colonr. Ilut, as the pulp is in this state moist and glutinous, the berries are plucked when green; and heing exposed in the sun to dry, they lose their green colour, and become of a redilish brown. 'lhey nre packed in lags and liogsheads for the Europenn market. The moro fragrant and smaller they are, the better are they accounted. They linve an nromntic, ngreable odour, resembling that of a mixture of cinummon, cloves, and nutmers, with the varm, pungent taste of the clove. Pimento is used in medicine; but its principnl use is in the seasoning of soups and other dishes. (British Pharmucopaia, 1867.)
'The returns,' says Mr. Brynn Edwarils, 'from a pimento walk in a favourable season are prodipions. A single tree has been known to rield 150 lb . of the raw fruit, or 100 lb . of the dried spice; there bcing commonly a loss in weight of \(\ddagger\) in curing; but this, like many other of the minor productions, is exceedingly uncertain, nud perhaps a very plenteons crop ocenrs but once in 5 years.' (Vol. ii. p. 372 , ed. 1819.) The price of pimento in bond, in the London market, has varied of late jears from \(4 d\). to \(5 \frac{1}{2} d\). per lb.
At the period when Edwards's work was pablished, the nunual imports of pimento from Jamaien, which supplies more than \(\frac{10}{20}\) of the pimento lrought to England, amounted to nbout \(672,000 \mathrm{lb}\); the annunl imports in 1833 amounted to \(4,844,973 \mathrm{lb}\) : in 1841 , they were only \(1,013,400\) lb. They have much exceeded this amount of late jears. The imports into the United Kingdom during each of the 7 years ending with 1867 were:--


The duty on pimento was reduced in 1836 from 5d, to \(3 d\). per lb, and in 1842 to 5 s . per cwt. The duty was repealed in 1866 . In 1867 its price averaged in the London merket from 18s. نd. to 18s. 10 d . per ewt.
PINCIIBECK (Ger. tomback; Dutel, tombak; Fr. tambac, similor; Ital. tombacco; Span. tambae, tumbaga). A name given to one of the many imitations of gold. By melting zine in various proportions with copper or brass, some alloys result, the colours of which approach more or less to that of gold. This composition is frequently employed as a substitute for gold, in the formation of wateh-cases, and varions other articles of a like deseription. Pinchbeck is sometimes called tambac, and sonnetimes similor, and petit-or.

PINE, or FIR. \(A\) specics of forest tree, next, if not superior, to the oak, in point of utility and value. There are above 20 species of pinc. They do not bear flat leaves, but a species of spines, winci, hurever, are real leaves. They are mostly, though not all, evergreens; but the appearance of the tree, as well as the quality of the timber, varies with the species, and also with the situation in whieh it grows, Gencrnlly speaking, the timber is hardest and best in exposed, cold situations, and where its growth is slow. We shall
only notice those species the timber of which is mest in use in this country.
1. Scotcif Pins: (Pinus sylvestris) is a natioc of the Scotch mountains, and of most norther parts of Europe; being common in Russia Denmark, Sweden, Norwny, and Lapland. It is straight, abruptly branched, rising in favourabl situntions to the beight of 80 or 90 feet, an being from 3 to 4 feet in dameter. It is nt perd fection when 70 or 80 years old. The colour of the wood differs considerably; it is generally nf \(n\) reddish yellow, or of n honey yellow, of yarious degrees of brightness. It has no larger transtrete
 taste. In the best timber, the nonual rinm ure thin, not excerding io inch \(\mathrm{in}^{2}\) thicknes: the dark parts of the rings of a bright reddiv edour ; the wood harel and dry to the feel, neither lenving a woolly surface after the snw, nor fillon: its teeth with resin. The best Norway is the tinest of this kind, and the best Rigs and lemel are not much inferior. The inferior sorts hare thick annual rings ; in some, the dark parts of the ring are of a honey yellow, the wood hears, and filled with a soft resinous matter, feels clnmmy, and chokes the saw. Timber of tbis kind is not durable, nor fit for bearing strains In some inferior species the wool is spongy contnins less resinous matter, and presents: woolly surface after the saw. Swedish timber often of this kind.
Scotch fir is the most durnble of the pine specius It was the opinion of the eclebrated Mr. Brinder ' that red Rign deal, or pine wood, would endure ns lonf as oak in all situations.' Its lightness and stiffness render it superior to sny other material for beams, girders, joists, rafters \&c. is much used in joiners' work, as it is mote casify wronght. stands better, is much cleaper, and is nearly, if not quite, as durable ss osk.
Scotch fir is exported from Nonsar and Sweden, under the name of redurond. liontar exports no trees above 18 inches diameter, onseguently there is much sapwood; bit the hate wood is both stronger and alore durable than the of larger trees from other situstions, Riga es ports a considerable quantity under the pamed masts and spars : pieces from 18 to 25 inches dismeter are called masts, and are usunlly 70 or 80 fett in length; those of less than 18 inches diameleg are called spars. [Riga.] Yellow deals und planks are imported from various parts of Xonary Sweden, Prussia, Russia \&c. Tar, pitch, 保 turpentine are obtained from the Scoted for When the tree has nttained to a proper sge, it it not injured by the extraction of these products
2. Spruce Pine.-Of this there are 3 species the Norway spruce, or Pinus abies ; white sprace or Pinus alha; and black spruce, or Pinus nige These nre noble treas, rising in straight stem from 150 to 200 feet in height. They riel the timber known by the name of rhite fir o deal, from its alwnys being imported in desto a planks.
Deals imported from Christiania ara in the highest estimation. [Curistiana.] Toe the are usually cut into 3 lengths, generalle ou aboo 12 feet each; and are afterwards cut into del by saw-mills, each length yielding 3 deals, In Norway spriace thrives very well in Britain, 4 produces timber little inferior to the forign: it somewhat softer, and the knots sre extremely hard
The white spruce, or Pinus alla, is brough from British North America. The wood is not \({ }^{5}\) resinens as the Norway spruce: it is toughe lighter, and more liable to twist in drying.
The black spruce, or Pinus nigra, is also

PIRACY
te timber of which is
syluestris) is a mative inil of most norther: common in Russia, ; and Lapland. It is i, rixing iu favourablo of 80 or 90 feet, and ameter. It is at perd rs old. The colour of bly; it is generally of oney yellow, of various has no larger transereie ng resinous odour in oer, the annual ninas in inch in thichnes Igs of a bright redid. d dry to the feel, mithe: after the saw, nor illin, he best Norway is tha he best Riga and Memel The inferior sorts hare some, the dark paris of yellow, the wood hears, resinous matter, feels e saw. Timber of this \(r\) fit for bearing strins. s the woot is spong; matter, and presents saw. Swedish timber is
durable of the pine specea e celebrated Mir. Brindler pine wood, would endutis situations.' Its lightoen it superior to sny other der3, joists, rafters se. If ' work, as it is more casisy is much cheaper, and is durable as oak. orted from Nonwar and me of redurood. Normy e 18 inches diameter. Noch sapwood; buit the beate and more durable than thst ther situations. Riga es frantity under the name es from 18 to 25 inches diarand are usually 70 or 80 fete ess than 18 inches diametec Riga.]. Yellow deals anm om various parts of Sonrary asia \&c. Tar, pitch, mom ed from the Scoted for tained to a proper oge, it s traction of these products Of this there are 3 speries Pinus abies: white spract ack spruce, or Pinaa nign es, rising in straight stem et in height. They nie the name of ochite ftr, being imported in deaso
om Christiania \(a^{2}\) in th [Curistiania.] The tre 3 lengths, gencrais into desl re afterwardis cat deals. es very well in Bititain w e inferior to the forimn it the knots are extremelyhary , or Pinus alba, is brough Imerica. The rood is nots rway apruce: it is tougur able to twist in drying. ble to twist nigra, ig als
merican tree: but it is not much imported into this country. The black and white spruce derive their names from the colour of the bark; the miod of both being of the same colour.
The colour of spruce fir, or white deal, is rellowish or browulsh white; the hard part of the annual ring a darker shade of the same adour; it often has \(c\) silky lustre, especially in the American and British grown kinds, Eiach nnual ring cousists of two parts; the one hard, the other softer. The kuots are geaerally very hash The clear and straight-grained kinds are ofen tough, but not very difficult to work, and and extremely well when properly seasoned. White deal, as inported, shrinks about \(y^{2}\) in beooning quite dry.
3. Vermouti Pine, or Wilite Pine (Pinus trobus), is a native of North America, and is impratel ia large logs, oftea more than 2 feet square und 30 feet in length. It is one of the largest and most useful of tho American trees, and makes escellent wasts; but it is not durable, nor fit for arste timbers, being very subject to dry rot. It Lus a peculiar odour.
4. Sinver Frn (Pinus picea) is a native of the mountios of Siberia, Germany, and Switzerland, and is commou in British plantations. It is a large tree, and yields the Strasburg turpentine. The wood is of good quality, and much used on the Continent both for earpentry and ship building. The harder fibres are of a yellow colour, compact, and resinous; the softer nearly white. Lake the other kinds of fir, it is light and stiff, and does not bend much under a considerable lond; consequently, floors constrneted of it remin permanently level. It is subject to the wom. It has been said to last longer in the air thas in the water; and, therefore, to bo fitter for the upper parts of bridges than for piles and piess.
j. Lana (Pinus larix). There are 3 species of this vsluable tree; 1 European, and 2 Ameriean. The raniety from the Italian Alps is the most estemed, and has lately been extensively introducedinto plantations in Great Britain. It is a stright and lofty tree, of rapid growth. A tree 79 rears of age was eut down at Blair Athol, in \(181 i\), which contained 252 cubic feet of timber; and one of 80 years of age, at Dunkeld, measured 300 cabic feet. The mean size of the trunk of the larch may be taken at 45 feet in length, and 33 inches diameter. The wond of the European lach is generally of a honey yellow colour, the hard part of the anmual riugs of a redder cast; sometimes it is brownish white. In common with the other species of pine, each aanual ring consists of a hard and a soft part. It generally basa silky lustre; its eolour is browner than that of the Scotch pine, and it is muel tougher. It is more dificicult to work than liga or Memel timber; but the surface is better when once it is obtained. It bears driving bolts and nails better than any other species of resinous wood. When perfectly dry; it stands well; but it warps much on easoning. It is in all situations extremely daralle. It is useful for every purpose of building, thether external or internal: it makes excellent hip timber, masts, boats, posts, rails, and furniure. It is peculiarly adapted for flooring-boards, n fituations where there is much wear, and for aircases: in the latter, its fine colour, when abled with oil, is much preferable to that of the hack oaken staireases to be seen in some old ansions, It is well adapted for doors, shutters, ad the like; and, from the beautiful colour of its wod when varnished, painting is not necessary. fie have extracted these particulars from Mr.

Tredgold's excellent work, The Principles of Curpentry, pp. 209-217.)
IINE-APPLE or ANANAS. Though a tropical fruit, it is now extensively eultivated in hothouses in this country, and is well known to, everyone. When of a good sort and healthy, it. is the most luseious, and, perhaps, the lest truit that this country produces; and when carefull: cultivated, is superior in point of quality to thit prodnced in the West Indies. A pine-npple raised at Stackpool Court, l'embrokeohire, and served upy at the coronation dinner of George IV., weigheit 10 lb .8 oz. (Vegetabie Substances, p. 379. )

1'INT. A measure used chiefly in the measuring of liquids. The word is lligh Diteh, and signitie. a little measure of wine. The Eneglish pint used to be of 2 sorts; the one for wine, the other for beer and ale. Two pints make a quart ; 2 quarts a pottle; 2 pottles a gallon de. The pint, imperial liquid measure, contains 34.659 cubic inches.

PIPE. A wine measure, usually containing 105 (very nearly) imperinl, or 126 wine gallons. Two pipes, or 210 imperial gallous, make a tun. But, in practice, the size of the pipe varies according to the description of wine it contains. Thus, a pipe of port contains 138 wine gallons, of sherry 130, of Lisbon and Bucellas 140, of Madeira 110, and of Vidonia 120. The pipe of port, it is to be observed, is seldom accurately 138 gallons, and it is usual to charge what the vessel actually contains.
PlPE-CLAY. A species of elay abounding in Devonshire, and other parts of England, employed in the manufacture of various sorts of earthenware, and in bleaching \&c.
PIRACY consists in committing upon the seas those nets of robbery and violence which, f committed upon land, would amount to felony.
Pirates hold no commission or delegated authority from any sovereign or State, empowering them to attack others. They can, therefore, bo only regrarded in the light of robbers or assassins. They are, as Cicero has truly stated, the common enemies of all (communes hostes ommium); and the law of nations gives to every one the right to pursue and exterminate them without any previous declaration of war; but it is not allowed to kill them without trial, except in battle. Those who surrender, or are taken prisoners, must be brought before the proper magistrates, and dealt with according to law.

By the aacient common law of England, piracy, if committed by a subject, was held to be a species of treason, being contrary to his natural allegiance; and, by an alien, to be felony only : but since the Statute of Treasons (25 Edw. III. c. 2) it is held to be only felony in a subject. Formerly this offence was only cognisable by thic Admiralty Courts, which proceed by the rules oi the civi! law; but it being inconsistent with the libertics of the aation that any man's life should be taken away unless by the judgment of his peers, the atatute 28 IIen. VIII, c. 15 established a new jurisdiction for this purpose, which proceeds aecording to the course of common law.

It was formerly a question whether the Algerines, aud other African states, should be considered pirates; but, however exceptionable their cenduct might have been on many oceasions, and however hostile their poliey might be to the interests of humanity, still, as they had been subjected to what may be called regular Governments, and had been admitted to enter into treaties with other Powers, they could not betreated ns pirates.
lifates having no right to make conquests, or
to seize upon what belongs to others, capture by them does not divest the owner of his property. At a very early period of our history, a law was made for the restitution of property taken by pirates, if found within the realm, whether belonging to strangers or Englishmen : but any foreigner suing upon this statute must prove that, at the time of the capture, his own soverelgn and the sovercign of the captor were in mutual amity; for it is held that piracy cannot be committed by the subjects of states at war with each other.

I'iracy was almost universally practised in the heroic ages. Instead of being esteemed infamous, it was supposed to be honourable. ('Latrocinium maris gloria habebatur.'-Justin. lib. xliii. c. 3.) Menelaus, in the Odyssey, does not hesitate to inform his guests, who admired his riches, that they were the fruit of his piratical expeditions (lib. iv. ver. 90 ) ; and such, indeed, was the way in which most of the Greek priaces amassed great wealth. (Goguet, Origin of Law, vol. i. p. 383, Eng. trans.)

The prevalence of this piratical spirit in these early ages may, perhaps, be explained by the infinite number of small independent states into which the country was divided, and the violent animosity constantly subsisting amongst them. In this way ferocious and predatory habits were universally diffused and kept alive; and it is not to be supposed that those who were at all times liable to be attacked by hosts of enemies, should very accurately examine the grounds upon which they attacked others. As, however, a more improved system of government grew up in Greece, and a few states, as Athens, Corinth \&c., had attained to distinction by their naval power, piracy was made a capital offence; but though repressed, it was never entirely put down. Cilicia was at all times the great stronghold of the pirates of antiquity: and in consequence of the decline of the maritime forces of Athens, Rhodes \&c., which had kept them in check, they increased so much in numbers and andacity as to insult the majesty of Rome herself; so that it became necessary to send Pompey against them, with a large fleet and army, and more extensive powers than had been ever previously conferred on anv Roman general.
During the snarchy of the Middle Ages, when every baron considered limself a sort of independent prince, entitled to make war on others, piraey was universally practised. The famons Hanseatic Lengue was formed chiefly for the purpose of protecting the ships of the confederated cities from the attacks of the pirates by which the Baltic was then infested. The nuisance was not finally abated in Europe till the feudal system had been subverted, and the ascendancy of the law everywhere secured. In more modern times, some of the smaller West India Islands and Central America have been the great resort of pirates: latterly, however, they have been driven from most of their haunts in that quarter. They are still not unfrequently met with in the Indian seas east of Sumatra.

Besides those acts of robbery and depredation upon the high seas, which, at common law, constitute piracy, some other offences have been included under that term. Thus, by the stat. \(11 \& 12 \mathrm{Wm}\). IV. c. 7, if any natural-born subject commits any act of hostility upon the high seas against others of his Majesty's subjects, under colonr of a commission from any foreign Power, this, thongh it would only be an act of war in an alien, shall be conatrued piracy in a subject. And further, any commander or other sea-faring person betraying his truat, and running away with any ship, boat, ordnance, ammnnition, or goods, or
yielding them up voluntarily to a pirate, or corspiring to do these acts; or any person ussaultiag the commander of a vessel, to hinder him from lighting in defence of his ship, or contining him, or causing or endeavouring to eause a revolt on board, shall for each of these offences be adjudred a pirate, felon, and robber, and shall suffer death whether he be principal, or merely accessory by setting forth such pirates, or abetting them before the fact, or receiving them, or concealing them or their goods nfter it: and the stat. 4 Geo. I. c. 2 expressly excludes the principals from the heneit of clergy. By the stat. 8 Geo. I. e. 24, the tradiot with known pirates, or furnishing them with stores or ammunition, or fitting out any vessel for that purpose, or in any wise consulting, combiniug, confederating, or corresponding with them: or the forcibly boarding any merchant vessel though withont seizing or carrying her off, and destroying or throwing any of the goods oretboard, shall be deemed piracy; and such accessaries to piracy as are described by the statute of King William are declared to be principal pirates, and all pirates convicted by virtue of this Act are made felons without benefit of clergy. To encourage the defence of merche it vessels against pirates, the commanders and seamen woundel and the widows of such seamen as are slain in any engngement with pirates, are entitled to a bounty, to be divided among them, not exceeding the one fiftieth part of the value of the cargo saved; and the wounded seamen are entitlet io the pension of Greenwich Hospital. (II \&18 Wm. III. c. 7; 8 Geo. I. c. 24.) The first of these statutes also enacts, that if any mariner or ioferior officer of any English ship decline or refuse to fight when commanded by the master, or shal utter any words to discouraye the other maninen from defending the same, he shall lose all the wages due to him, together with such goods as be hath in the ship, and be imprisoned and kept hard labour for 6 months.
The 6 Geo. IV. c. 49 enacts that a bountrohe be paid to the officers and crews of soch of his Majesty's ships of war as may be engaged in the actual taking, sinking, burning, or otherwise dr stroying any vessel or boat manned by pirates 201. for each pirate taken or killed during the 4 tack, and of 51 , for every other man of the crempo taken or killed, who shall have been aliveoobar the said piratical vessel at the attack thereof.
The same statute (sec. 3) enacts that vexed and other property taken from pirates, prored \(y\) have belonged to any of his Majesty's subjecth are to be delivered up to them, on their pasing sum of money as salvage, equal to \(\frac{1}{8}\) of the th value of the same.
PIRAUS. [PATRAs.]
PISTACHIA On PISTACHIO NUTS (C pistazien; Dutch, pistaches; Fr. pistaches; lt pistacchi, fastucchi ; Span. alfoacigos; Lat. pis cise). The frult of the Pistachia vera, a kiod turpentine tree. It grows naturally in Andin Persia, and Syria; also in Sicily, whence th nuts are annually brought to us. They sre dim and pointed, about the size and shape of a 1 ille including a kernel of a pale-greenish covered with a yellowish or reddish gkin, have a pleasant, sweetish, unctuoas taster, bling thiat of sweet almonds; their primis difference from which consists in their beriyg greater degree of aweetness, accompanied mith light grateful flavour, and in being man a Pistachios imported from the East are sperion those raised in Europe. (Lewis'a Mat Md.

PITCH (Ger. pech; Fr. poix, brai; the pea Span. pez; Russ. smola gustaja). The radia

\section*{PLANE}
y to a pirate, or conany person assaultiog , to hinder him from hip, or contining him, to cnuse a revolt on e offences be adjudiged and shall suffer death or merely accessory by or abetting them befure , or concealing them or the stat. 4 Gco. 1. c. 2 ucipals from the beneit Geo. I, c. 24 , the tradiot fumishing them with \(r\) fitting out suy vessel y wise consulting, comserrespending with them \(g\) any merchant vessel or carrying her off, and any of the goods oret piracy ; and such accesescribed by the statute of red to be principal pirates, d by virtue of this Act an enefit of clergy. To trin merche it vessels sgainst ers and aeamen woundech, ch beamen as are slain in piratcs, are entitied to 1 among them, not exceeding of the value of the cargo led senmen are entitled to awich Hoapital. (ll \& 12 I. c. 24.) The first of thest hat if any mariner or inferio h ship decline or refuse to led by the master, or shal scourage the other matiners same, he shall lose all the gether with such goods as be be imprisoned and kept to onths.
49 enacts that a bounty shali Is and erews of ench of \(h\) rar as may be engaged in the ng, burning, or otherwise de or boat manned by pirates, aken or killed during the 4 ery other man of the crew ra shall have been alire on boat ssel at the attack thereof. e (sec. 3) enacts that resi taken from pirates, prorel ny of his Majesty's aubje ap to them, on their payin

\section*{TRAS.}

PISTACHIO NUTS istachea; Fr. pistaches: ; Span. alfoncigos; Lat. pis the Pistachia vera, a kind t grows naturally in Arw - also in Sicily, whence rought to wa. They ere odo the gize and ahape of a l of a pale-greenish owish or reddish skin. cetish, unctuone taste. eet almonds; their pring ich consists in their turn weetness, accompanied our, and la belag d from the East ane \(y(d)\) rope. (Lewis' prai; The peo mola gustaja).

Which remsins on inspissating tar, or boiling it down to dryness. It is extensively used in shipbuiling, and for other pnrposes. Large quantities m manufseturod in Great Britain ; but exclusive of these 13,284 ewt. imported from forelgn counines were entered for consumption in 1841. The duty, which was then 10 d . per ewt., after being seduced in 1842 to \(6 d\)., wns finally abolished in \(18 \%\). In \(186 \%, 42,3.14\) cwt. were imported, valued at \(18,603 \mathrm{~L}\), [BUngUNDY Pitch.]
An allowance is to be made for tare on pitch, of 93 lb . each on Archangel casks, 36 lb , each on Swedish do., and \(56 \mathbf{l b}\). each on American do.
PLANE. A forest trec, of which thero aro 2 pecies-the Oriental plnne (Platanus Orientalis) and the Occidental plane (Platanus Occidentalis). The Oriental plane is a native of the Levant and other Eastem countries, and is considercel one f the finest of trees. It grows to about 60 feet in eight, and has been known to exceed 8 feet in diameter. Its wood is much like beech, but more figured, and is used for furniture and suchlike pricles. The Occidental plane is a antive of Toth America, and is one of the lnrgest of the American trees, being sometimes more than 12 feet in dismeter. The wood of the Oecidental plane is harder than that of the Oriental. It is very durable in water.
The tree known by the name of plane in England is the sycamore, or grent maple (Acer pseudoplatanus). It is a large tree, grows quick ly, and stands the sea-spray better than most trees. The timber is very close and comnact easily rrought, and not liable either to splinter or wap. it is gencrally of a brownish-white or rellowish-white colour, and sometimes it is very beatifully curled and mottled. In this state it thes a fine polish, and bears varnishing well. It is chiefly used in the manufacture of saddletrecs, wooden dishes, and a variety of articles of furniture and mschinary. When kept dry, and protected from worms, it is pretty durable; ont it is quite as liable as beech to be attacked by them. (Tredgold, p. 180.)

PLANKS (Ger. and Dutch, planken; Dan. planker; Swed. plankor; Fr. planches, bordages; pass Tolstule olosku). Thick strong boards, cut from various kinds of wood, especially onk and pine. Planks are usually of the thickness of from 1 inch to 4. They are imported in large quantities from the northern parts of Europe, particularly Ivan the ports of Christiania, Dantzic, Archangel, Peterbburg, Narva, Revel, Riga, and Memel, as rell as ffom several parts of North America. [Tuase.
PLANTAIN or BANANA. The pulpy fruit of the Musa paradisiaca, an herbaceons plant, extensively cultivated in most intertropical countines but especially in Mexico. It is not, like mast oher fruits, used merely as an occasional loxury, but is rather an establighed article of sobisitence. Having been long and extensively callifatee, it has diverged into numerous varieties, the friit of which differs materially in size, aroor, and colour. That of some is not above 2 r3 inches long, while that of others is not much boort of a foot; some sorts are sweet, and of a larour sot unlike nor inferior to that of a good pellow pear; but the larger kinds are, for the most ath coarse and farinaceous. The latter are either sed fresh or dried in the sun, in which latter state bey are occasionally ground into meal and made sto bread. In Mexico, the sweeter sorts are aquently pressed and dried, as figs are in rurpe ; and, while they are not very inferior the last-mentioned frui, they are infinitely

PLATE
1099
'I donbt', says M. Humboldt, 'whether there be any other plant that proluces so great a quantity of nutritive substance in 80 small a space. Eight or nine months after the sueker is planted, it begins to develop its cluster. The fruit may be gathered in the 10th or 11th montl. When the stalk is eut, there is nlwnys found, among the numerous shoots that have taken ront, a sprout (pimpollo), which, being the height of its parent plant, bears fruit 3 months later. Thus a platation of bananas perpetuntes itself, without requiring any eare on the part of man, further than to cut the stalks when the fruit has zipcned, and to stir the carth gently once or twiee a year nbout the roots. A piece of ground of 100 square mètres of surface will contain from 30 to 40 plants. During the course of a year this same piece of ground, reckoning the weight of the cluster at from 15 to 20 kilog. only, will yield 2,000 kilog., or more than \(4,000 \mathrm{lb}\)., of nutritive substance. What a difference between this product and that of the cereal grasses in most parts of Europe! The same extent of land planted with whent would not produce above \(\$ 0 \mathrm{lb}\)., and not more than 90 lb . of potatoes. Hence the product of the banana is to that of wheat as 133 to 1 , and to that of potatocs as 44 to 1.' (Essai sur la Nouvelle-Espagne, tom. ii. p. 388, 2nd ed.)

The banana forms a principal part of the food of the people of Mexico; and the epathy and indolence of the natives in the tierras calientes, or hot regions, have been ascribed, and probably with good reason, to the facility with which it supplies them with subsistence. It is by no means in such extensive use in tropical Asia, and in that part of the globe comes nowhere into competition with corn as an article of food.
PLATE. The denomination usually given to gold and silver wrought into articles of houschold furniture.
Partly in order to prevent fraud, and partly for the purpose of collecting a revenue, the manufacture of plate is placed under certain regulations. Those who carry it on are obliged to take out a license, renewable annually on July 31. Assay offices are established in different places; and any one selling any article previously to its having been nssayed and murked forfeits 501 . ( 24 Geo . III. c. 53.) Gold plate, with the exception of gold watel-cases, is to pay a duty of 17 s . per oz., and silver plate since March 7, 1860 a duty of 1 s . 6 d .; but wateb-cases, chains, tippings, mountings, collnrs, bottle tickets, tenspoons \&c. are exempted. The 20 Geo. III. c. 143 made the counterfeiting, or the transference from one piece of plate to another, of the marks, stamps \&c. impressed on plate by the assayers, felony without the benefit of clergy. But the offence is now punishable by tranaportation or imprisonment only. ( 1 Wm . IV. e. 66 .)
In 1867, we imported \(58,598 \mathrm{oz}\). of silver plate, valued at 14,6741 ., of which \(54,445 \mathrm{oz}\), were entered for consumption.
By \(30 \& 31\) Vict. e. 90 , mannfacturers of gold and silver plate pay a license duty of 21.6 s . for a manufacture of 2 dwt . and under 2 oz . of gold, above 5 dwt . and under 30 oz . of silver, and \(5 l .15 \mathrm{~s}\). if the manufacture is above those amounts. Pawnbrokers in gold and silver and refiners pay the same amount. Plate licenses expire on July 5.
The aubjoined account (from Porter's Progress of the Nation, iii. 25) givea a very complete view of the plate manufacture for half a century from 1800 downwards. It should be borne in mind that this account refers only to articles of standard gilver and gold, and that the great consumption of the precions metals consists in plated or electroplated and gilt artieles, which are now made of a

\section*{PLA'TINA}
very anperior quality. Owing also to the fact of uld plate being hed in the greatest estinmation, but little of it is melted dowit to be remanufactured, so that the prineipal consumption is by new families. The returns for the year 1826 , in the anmexed table, afford a striking proof of this. During a considerable portion of that yenr a crowd of speculators, most of whom wero previously worth little or nothing, believed they had mado largo fortunes, and lannched out, with the jroverbial ostentation of pervenus, into all sorts of lavish expenditure. Hence the wonderful increaso in the demand for plate in the course of that year. No doubt, also, the consumption of plate appears less than it renlly is, from the theility with which the duties are cvaded, We subjoin-
Account of the Number of Ounces of Gold and
Silver Plate upon which Duty was paid, and
far, which Druwbuck was allowetl, showing the
Quantity rctainct for Home IJsc in cach Year,
in the undermentioned Yurs, fiom 1800 to 18050.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{\[
\begin{gathered}
\text { Year } \\
\text { ending } \\
\text { Jan. }
\end{gathered}
\]} & \multicolumn{2}{|r|}{Duty pald on} & \multicolumn{2}{|r|}{Drawback allowed on} & \multicolumn{2}{|l|}{\[
\begin{gathered}
\text { Iletainel for } \\
\text { Home Use }
\end{gathered}
\]} \\
\hline & Givin & sliver & Gol & Silver & Gold & Silvex \\
\hline & 3,231 & 914,966 & \% & 12, & 3.171 & \\
\hline \(1{ }^{1} 1810\) & 4,751 &  & 4 & 114, \({ }^{\text {did }}\) & 4, \(4 \times 3\) & \\
\hline (18110 & 6,348
6,779 & 1,242,208 & 33, &  & 6,393
6,750 & \(1{ }^{1,171,109}\) \\
\hline & 6,137 & 1,230, & 1,697 & 116.5107 & 4.439 & 1,113,597 \\
\hline 1871 & 6,631 & 1,081,3 & 3,353 & 114,241 & \({ }^{2} \mathbf{2 , 9 1 6}\) & \\
\hline 1828 & 6,937 & 1,027, & 1,370 & \({ }_{64,7 \times 3}\) & & \\
\hline 18 x & 6,516 & 1,07R, & 1,30 & 97,016 & 6,496 & \\
\hline  & 7, & 1,8:8,6,6 & \(3{ }^{3}\) & 30, & 7, \({ }^{\text {c }}\), & ,1*x,176 \\
\hline & & 1,585,981 & \({ }^{1}\) & 11 & & , 17 \\
\hline ¢1888 & 7,2686 & 1,217, 1,2780 & 10 & 71,493 & 7, 7 & 1,146 \\
\hline & 7,106 & i, \(1661,3 \times 2\) & 2 & 86,157 & 7 7,104 & 1,275,173 \\
\hline & 6,11 & 1,971, & 12 &  & 6,429 & ,161 \\
\hline 18.3 & 3,716 & 1,0176,92 & 9 &  & S,710 & - \\
\hline 18.3 & S,1\%9 & \({ }^{\text {\%4\% }}\) & 15 & 79,6.59 & 3,171 & R.74, 4.37 \\
\hline 1835 & 3,131 & 879,1 & 2 & 72,005 & 3,132 & 807,112 \\
\hline (1835 & 6,678 & 1,051,232 & is & 102.2517 & 6,116 & \\
\hline ¢ & 7,966 & 1,277,920 & 16 & 164,061 & 7,966 & 1,10x, \({ }^{\text {an, }}\) \\
\hline \({ }_{183}^{183}\) & 6,811 & 1,178,568 & 4 & 177.539 & 6,807 & 10.01 .1029 \\
\hline 1839
1840
189 & 6,875 & 1, \(1,270,363\) & 7 & - 1615 & 6,968 & (1034,043 \\
\hline \({ }_{1841}\) & 6,992 & 1,209,26\% & 7 & 179,914 & 6,943 & 0,049,362 \\
\hline 1812 & 6,58i1 & 1,149,07 & 5 & 160 , 93 & 6,575 & 988,57.1. \\
\hline 1843 & 6,3015 & i,046,046 & 4 & 171,5 & 6,301 & \({ }_{854,472}\) \\
\hline 184 & 6,415 & 911,2:0 & 8 & 172,68 & ,413 & \\
\hline (1883 & \%, 8,086 &  & 6 & 1710,987 & 7,23 & -834,475 \\
\hline 1847 & 8,335 & 1,188,736 & 8 & L67, 1 , 13 & 8,317 & 021,283 \\
\hline 1848 &  & 1,049,268 & 3 & & ,riv & \\
\hline 1850 & 7,3i3 & 735,465 & 3 & -66,759 & , 7,370 & 64,59,106 \\
\hline
\end{tabular}

It is not easy to acconnt for the nearly stationary demand for plate as exhibited in this return. Most probably it has been mainly occasioned by the greater use of plated articles, which have, to a great extent, been substituted for those made of silver. Perhaps, also, it may be in part acconnted for by the fact of the cost of gold and silver having increased from 1809 down to 1849 or 1850, But a large increase in the consumption of the precions metals may now be expected to result from their increasing supply and diminishing value. (See Mr. Cayley's Report on Gold and Silver Plate, in connection with the Paris Exhibition of 1867, for some remarks on its classification.)
PLATINA-a metal which, in respect of scarcity, beauty, ductility, and indestructibility, is hardly inferior to gold-was unknown in Europe till about the middle of last century, when it began to be imported in small quantities from South America. It has since been discovered in Estremadura in Spain, and, moro recently, in the Ural Mountains in Asiatic Eussia, where it is now raised in very considerable quantitics.

Platina is of a white colour, like silver, but not so bright, and has no taste or smell, Its hardness is intermediate between copper and ron. lts specific gravity is about \(21 \cdot 5\), that of sold being
0.3 ; so that it is the heaviest boly with which we are acquainted. It is exceedingly ductile and malleable; it may be hamaered oist into very thin plates, and drawn into wires not exceeling Tido inch in diameter. In these properties it is probably inferior to gold, but it seems to surpass nll the other metuls. Its tenaeity is such, that a wire of platina \(0 \cdot(078\) inch in diameter is capable of sinporting \(n\) weight of 27.4 .31 lb . avoirdupmis withont breaking. It is one of the must infusible of all metals, buit pieces of it may be welded together withont diliconlty when heated ta whiteness. It is not in the smallest degreo nitered by the action of air or water. ('Thomsun's (hemistry)

The late Dr. Wollaston discoverel a methind welding platina, and consequently of rendemn it consily nvailable in the arts. The linssinns issued phatinn coins of the value of 3,6 , and 20 silve roubles some years since. They have now beo recalled. I'Intina flrst began to be an olject of attention in Rassia in 1824, when 1 pood 33 ib were collected. In 1836 the prodnce amounted to 138 poods 42 lb . In 1831 a piece of native platina was discovered at Demidoll's gold mines weighing 29 Ib. \(2 \frac{1}{2}\) zolt. (Official Statements published by the linssinn (Govermment.) In 1867 \(17,877 \mathrm{oz}\), were imported int the United King dum, the value of which was \(19,666 \mathrm{l}\). It is chiefly used for sulphuric acid retorts.

I'lat IING. Slips of bast, cane, straw de woven or plaited for making into hats \&c. [Hats, Sthaw.]

PJUMBAGO, [Black Lead.]
PlUUMS, the fruit of the Prunus domestitu, are too well known to require any description. They were introduced into Eingland in the listh century, and are cultivated in all parts of the country. There are said to be near! 300 varieties of plums. In 1867 , exclusive of \(15,855 \mathrm{cmt}\) of prunes, valued at 18,3731 ., we imported \(6,445 \mathrm{cmt}\). French plams and prunclloes valued at 38,3331, and 741 cwt. dried plums, (worth \(1,7(121)\) preserved otherwise than in sagar. On the 2 last mentioned a duty of 7 s . per cwt. has beea levied since December 10, 1856 . [Puunes.]
POMEGIRANA'TE, POMEGRANATES (Ger. granatapfel ; Fr. grenades; ltal. grenati, melhgrane; Span, granadas). The fruit of the pomegranate tree ( \(l^{\prime} u u\) ica grunatum). This tree, which grows to the height of 15 or 20 feet, sppears to be a native of Persia, whence it has been convefed, on the one side, to Southern Europe, sid on the other to the tropical parts of Asia, and erentuall to the New World. The fruit is a pulpy many. sceded berry, the size of an ornage, covered with a thick brown coriaceous rind. The pulp has 1 reddish colour, and a pleasant subscid taste. The value of the fruit depends on the smalliess of the seed and the largeness of the polp. The finet, called by the Persians badana, or seedless is imported into India from Cabul and Condahar, where the pomegranate grows in perfection. The tree thrives all the way to the equator; lut, within the tropies, the fruit is hardly fit for we The pomegranates brought to England from the South of Europe and the West Iadies are ven indel to those of Persia. (Private information.)
POPI.AR (Ger, pappel, pappelbaum; Dntch, populier; Ital. pioppa; Span. slamo; Lat populus), Of the poplar (Populus of botaniste) there are abont 15 species described; of these, of are common in England, viz. the commua ot White, the Black, the A spen or trembling poplar, the Alele or great white poplar, and the Lombardy poplar, In favourable situstions, the white poplar grows with grent rapidity, sometimes sending forth shoots 16 feet long in a
iest bouly with which ceedingly ductile and mered out into very wires not exceeling these properties it is at it geems to surpass enacity is such, that a a diameter is capable of \(274 \cdot 31 \mathrm{lb}\). avoirdupmis 10 of the must infusible f it may be welded towhen heated to whiteHest degree altered by ('Thomson's (Memistry.) discovered a method of requently of readenng it 3. The Russians issued te of 3,6 , and 20 silver - They have now beta egan to be an object of 1824, when 1 pood 33 th the produce amounted 1831 a piece of native it Demidott"s goll mines, olt. (Official Statements un (Government.) In 186 1 int- the United King. nich was 19,6601 . It is ic acid retorts. of bast, cane, stray doc. cing into hats \&e. [HAass,
ack Leau.]
of the Prunus dometicu, - require any degeription. into England in the bith vated in all parts of the id to be near! 300 varieties xclusive of \(15,855 \mathrm{Crt}\) - 7 l., wo imported 6,45 cht. nelloes valued at
lums, (worth \(\mathrm{Z},(12\), . \()\) prein sugar. On the 2 las 8. per ewt. has beea leried \(5 \cdot\) [Puunes.] POMEGRANATES (Get ades; Ital. gronati, melhs). The fruit of the pome 8). Thatum). This tree, which 15 or 20 feet, sppears to be ence it has been carsesed, outhem Europe, and on be arts of Asia, sad creatually The fruit is a pulpy manr. of an orange, covered wia cous rind. The pulp hasd oleasant subscid taste. The onds on the smalliness of che badana, or seedles, is imbadana, or seed cadabar, e grows in perfection The y to the equator; but, with\(t\) is hardly fit for sise "he to England from the South Vest Indies are very. Private information.) ppel, pappelvaum; Doun pa; Span. alar (Poputus of botanisto) ecies described; of theses, \({ }^{5}\) land, viz. the commoa or Aspen or trembing popeat white poplar, and the favourable sitasion, with grea: rapiding in a
single season. The wood is soft, and not very giving in this place any explanation of tho laws dumble unless kept dry; but it is light, not apit which regulate tho progross of population. It eitnet to swell or shrink, and casily wrought. may, inteed, be thought that the word has no The Lombardy poplar grows raphily, and shoots business here. However, as it is frequently of The complete spire to a great height ; its timber innortanco in commercial questions, and in others does not differ materially from that of the white aflecting commercial interests, to be ablo to compoplar. It is very light, and is therefore well pare this consumption of an article with the popnapapled for the manufacture of paeking-cases. lation, we believe wo shall gratify our readers Yone of the species is fit for largo timbers. ('Tred- by laying beforo them the following Tables, Sone 'y Principles of Carpentry; Veget, Sub., Lib. showing the results of the differcut eensuses that pold's Principles of Cardentry; Veget, Sub., Lib. of Entert. Knowledge.) lave been taken of the population of Great POPULATION. It wonld bequite inconsistent Britain and Ireland, and showing also the inereaso with the objects and limits of this work to attempt in the population of the principal British cities.
Population of Great Britain, exclusive of Army and Navy, as determined by the Censuses of 1811, 1821, 1831, 1841, 1851, and 1861, showing its Amount in each of these Years in each County of England and Scotland, and in the Principality of Wales, with the Ratio of its Increase or Decrease in the intervening Decennial Periods.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Counties & 1511 & \[
\begin{gathered}
\text { Inc. } \\
\text { perni. } \\
\text { ceni. }
\end{gathered}
\] & 1821 & \[
\left.\begin{aligned}
& \text { Inc. } \\
& \text { mer } \\
& \text { Cent. }
\end{aligned} \right\rvert\,
\] & 1831 & Inc.
ore.
ope.
per
Cent. \(|\) & 1811 & Inc.
ore.
ore.
ine.
pert.
Cent. & 1851 & Inc. inec. per Cent. & 18.6 \\
\hline Erolard. & 20,213 & 20 & 34,052 & 14 & 95,483 & 13 & 107,9,36 & & 121,478 & & 35,297 \\
\hline Paldord. & 119,4.40 & 11 & 13x,639 & \({ }_{9}^{119}\) & 146,294 & \({ }_{6}^{10}\) & (161,739 & & 190,063
163,723 & & 176,496, \\
\hline ( Busingham & 101,109 & \({ }_{9}^{11}\) & \% \(4 \times 3,37\) & & 14,935 & 14 & 164,439 & 13, & - & - 3 & 175,1015 \\
\hline \({ }^{\text {chemer }}\) Comber & 247,031 & 19 & 270,099 & 12 & - 3 3, 39015 & 18 & 39, 3,660 & 13 & 453,775+ & &  \\
\hline Conner & - & \({ }^{17}\) & 2610, & & 169,46\% & \({ }_{8}\) &  & 10 & 1959,492 & & 399,97
\(\mathbf{y 0 2 , 7 6}\) \\
\hline Cambertand & 155947 & 15 & 213,65, & 13 & \%77\% & 13 &  & \({ }^{9}\) & \%96, 0 Oi & 15 &  \\
\hline Deman: & 384,788 & & 433,417 & & (1939,980 & 7 & S 374.959 & \({ }^{6}\) & S67\% \({ }^{\text {ang }}\) & 3 &  \\
\hline Dmans: & 16,78989 & 15 & 194, 14.931 & \({ }_{24}^{10}\) & (159,385 & & (175,034 & 27 & \(cc\) & \(3{ }^{2}\) & 300, 368 \\
\hline buybm & 254,733 & 15 & 2 mm , & & S 317 ',507 & 9 & 341,979 & & 369,518 & 10 & 404,351 \\
\hline \({ }_{\text {cosem }}\) & 285,935 & 18 & 3,3,190 & 15 & \({ }^{3877959}\) & 11 & 411,493 & 4 & 438880 & \({ }^{8}\) & 483,70 \\
\hline Humbued & 111,4236 & 17 & 102,669 & \% \({ }^{810}\) & 110,64 & \({ }_{10}^{8}\) & 113,67\% & \(\stackrel{4}{7}\) & 115,489 & & (13\%,20010 \\
\hline  &  & 15 & 43,946 & 9 & 35,94 & 10 & \(55^{5} 5\) & & 61, \(4 \times 5\) & & 64,230 \\
\hline Kmi: & 311, 81819 & & 1,054,945 & 17 & 1,336,554 & 124 &  & & 2, 8151 & & 8,949,40 \\
\hline Lenaler & \({ }^{150} 5\) & 16 & -174,571 & \(1{ }^{1}\) & 2, 197003 & 10 & - & 7 & 2, & & \({ }_{4}^{437412}\) \\
\hline Limolil & \({ }_{951,774}\) & 20 & 1,145,0.57 & & 1,358,530 & & 1,5156,636 & \({ }^{1}\) & 1,886,546 & & 2,406, 185 \\
\hline Marmowh & 64.1 & \({ }^{28}\) & -75,401 & 49 & -98,126 & 35 & -134, \({ }^{1568}\) & 17 & 157,417 & & 174,633 \\
\hline Notarik & Y91,9 & 15 &  & &  & \({ }^{6}\) & \{12,664 & 7 & 444,714 & & 9, \\
\hline ramampion & 148, & 15 & \% 412,589 & &  & 12 & 8866020 & 14 & 30, 3,56 & & 34,3,043 \\
\hline Norrinum & & & 186,873 & & 24s, & 11 & 249,910 & & 2710,447 & & 298,457 \\
\hline Owiond & 16 & 13 & \(\underset{\substack{138, y \\ 18,4}}{ }\) & 11
5 & \(\stackrel{195}{19}\) & \({ }^{6}\) & 163,127 & \({ }_{8}^{8}\) & 170,439 & & 410,461 \\
\hline kavind. & 189,9 & 7 & 198, 31 & & 213,518 & \({ }_{8}\) &  & 2 & 249,341 & & 240,939 \\
\hline Smapert & 302, & 17 & 35,589 & 13 & \begin{tabular}{l} 
401,7,95 \\
\(\mathbf{3 1 3} 97\) \\
\hline
\end{tabular} & \({ }_{3}^{8}\) &  & \({ }_{3}^{2}\) & 4, \(4.3,916\) & \({ }^{2}\) & 444, 4 \\
\hline smusemplon & 2156, \({ }^{2}\) & & - 3 35, 4978 & & 313,976
409,480 & &  & & \({ }_{6} \mathbf{4 0 5 ,} 76\) & & 716 \%13 \\
\hline Stind. &  & 16 & 271,411 & 9 & 296,317 & \({ }^{6}\) & 315,017 & 7 & 337 & - 4 & 331,070 \\
\hline Sumy & \(3 \times 3,45\)
1903
1 & & 399,417 & \({ }_{17}^{7 \%}\) &  & \({ }^{29}\) & \(58,0.36\)
300,075 & 17 &  & & \(\stackrel{8}{3} \mathbf{3} 53,735\) \\
\hline Waralick & 27a,90 & 80 & \%74,488 & 2.3 & 336,643 & 19 & 401,703 & 19 & 475,013 & 18 & 361,385 \\
\hline Westmenand & 4,594\% & 12 & \begin{tabular}{l} 
31, \\
\(\mathbf{2 1 9 , 5 9}\) \\
\hline 19
\end{tabular} & \({ }_{8}\) & 35,014 & & 266,454, & & Stis, & ! & 20, \({ }^{60,87}\) \\
\hline Wilus & 1915,98\% & 15 & 2194, & & \% \(4 \times 2,565\) & 12 & 404, \({ }^{2} 60\) & & \%76,926 & & \\
\hline Yaut, but Riding & 133,975 & 15 & \({ }^{15} 5\) & 9 & 168, 394 & 15 & 194,936 & & 220,9 & & 240,477 \\
\hline  & 179,099 & 1 & \({ }^{2} 1,711\) & 21 & 26,960 & 10 & 2x, 842 & \% & 36.3 & 11 & 40,4,43 \\
\hline Ninh Riding Wet Riding & 66\% \({ }^{7} 78\) & 24 & 809, 363 & \({ }_{22}\) & 989\%\%60 & 18 & 1, \(164,3,580\) & 14 & 1,545,495 & 14 & 1, 2075,796 \\
\hline 7 auis of England & 0,535, 1021 & 18 & 11,281,883 & 16 & 13,091, 623 & 14 & [4,997,427 & 13 & 16,921, 888 & 18 & 18,054,444 \\
\hline Wı. & 611,235 & 16 & 718,353 & 12 & 806,274 & 13 & 911,703 & 10 & 1,005,791 & 01 & 1.111, \({ }^{10} 0\) \\
\hline Totals of England and & 10,144,456 & 18 & 12,000,936 & 16 & 13,896,797 & 14 & 15,914,148 & 13 & 17,927,609 & 12 & 20,066,224 \\
\hline Scort. \(\times\) x3. & & & & & & & & & & & \\
\hline dimen & 183,871 & & 13,9,049 & & 200,975 & + \({ }^{-1}\) & 398737 & & 818949\% & +14 & 79,974 \\
\hline \({ }_{\text {An }}\) & (103,499, & & 127,499 & & 145,035 & & 164,36
49,679 & & 189,4, & & \({ }_{\text {19, }}^{19,715}\) \\
\hline Br & 30,893 & & 3, \(3,3,35\) & & 34,105 & 11 & 34,438 & & 36,972 & & 36,613 \\
\hline Bate. & \(12,0,53\) & & 13, \({ }_{29}\) & & 34,549 & 5 & 13,743 & & 38,70 & & 41, il \\
\hline Citermm & 12,010 & & 13,265 & & 14,790 & 30 & 19,135 & 20 & 7t, & & 21,050 \\
\hline Danmertay & \({ }_{64}\) & 13 & 27, 717 & & 33, 3170 & 3 & 44,996 & \(\frac{1}{7}\) & 45,103) & +13i & \\
\hline  & 64,960
148,607 & & 191 & & y 9 , 3 3: & +9 & 245,944 & 15. & 259,43 & & 271,997 \\
\hline Epros o Moray & 27, \({ }^{1967}\) & & 311 & & 34,498 & & 33,014 & 11 & -38,939 & & 12,695 \\
\hline  & - 101,472 & \({ }_{8}^{13}\) & 114,36 & & \({ }^{139,606}\) & 24 & 170, 51.3 & & 191,464 & & 200,445 \\
\hline Hadingion & 31,050 & 13 & 33,107 & & S6,145 & + \({ }^{1}\) & 35,846 & 2 & \({ }_{96} \mathbf{3 6}\), 38 & & 37,634 \\
\hline  & 71,671 & \({ }^{16}\) & 89,961 & & 31, 931 & 4 & 37,075 & & & & 3\%, 65 \\
\hline nubr & 2, \(7,2+5\) & 7 & 7,762 & & 90,078 & - 3 & 8,763 & & S,924 & & 7,977 \\
\hline Kirtadidright & \% 31.641 & \({ }_{95}^{15}\) & \(2344,3,5\) & & - 316,519 & & (26, 619 & & 630,169 & & S31,65 \\
\hline limilizow: \(\quad \therefore\) & 19,430 & 17 & 42, 6 & & 23, 31 & 15 & 86,872 & & & & 38,615 \\
\hline Orimg and Sheeland & - \({ }^{8,496}\) & \(1{ }^{9}\) &  & & 38,34, & +5 & 61,216 & & 62,5,53 & & 64,065 \\
\hline Pethes. & y,93, & & 111,046 & & 10, 12.158 & -1 & 10,499 & & 180,738 & & \({ }_{113}^{13,5185}\) \\
\hline Re &  & & 138,467 & & 13, \(13,44,3\) & & 135,7\% & & 151 & & 177, 561 \\
\hline und cromaty & 60, 5 , 3,3 & 13 & 6, 6.806 & & 74, \(4 \times 6\) & & 78,655 & \({ }^{5}\) &  & & (81,406 \\
\hline k. & 37, 3 , 4 \% 49 & & 40,9, 6 & & 43,663
\(6.8,3\), & & 46,043 & \({ }_{23}^{12}\) & & & 10.499 \\
\hline lind &  & &  & & 7zikyi & 13 & 84,1157
24.782 & & (86, 3 (3) & & 91,988 \\
\hline Wigron &  & 24 & \[
\begin{aligned}
& 23, \times 10 \\
& 3,2410
\end{aligned}
\] & & 23,85, & \(\pm{ }_{-8}\) & \[
\begin{gathered}
24,788 \\
\hline 39,195 \\
\hline
\end{gathered}
\] & &  & - \({ }^{2}\) & 12,093 \\
\hline Total of Seotiand & 1,895,864 & 15 & 2,091,5211 & 13 &  & \({ }^{-1}\) & 9,620,186 & \({ }^{-1}\) & \(\overline{\text { E, }, 888,778}\) & +8 & 3,062,294 \\
\hline
\end{tabular}

Table exhibiting the Population of Ireland in 1821，1831，1841，1851，and 1861，according to the Censuses of these Years，and showing the Increase or Decrease per Cent．in the Intervening Periods．
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|}
\hline Countimase， & & 1821 &  & \({ }^{2831}\) &  & 1811 &  & 1851 &  & 1061 \\
\hline \multicolumn{11}{|l|}{Leinoler} \\
\hline Carrow \({ }_{\text {Dubin }}\) County： & & 78,052
1.50111 & \({ }_{+28}^{3}\) & － 176 & \(\pm{ }_{\mathbf{2}}{ }^{3}\) & 86，984 & ＋ 212 & 68，059
1687 & \(\pm{ }^{-16}\) & 37，151 \\
\hline Dubin clig & ： & 13， 3 ，818 & 9 & \％\({ }^{\text {\％}}\) & ＋14 & \({ }^{183} 81776\) & ＋11 \({ }^{12}\) &  & & ciss， \\
\hline Klidare \({ }^{\text {a }}\) & & 999173 & 8 & 10，483 & & （18，4488 & －43 &  & 3 &  \\
\hline Kllemny Count？ & & 138，716 & \({ }_{2}^{6}\) & 169，913 & － \(20^{74}\) & \(\xrightarrow[\substack{18,3,319 \\ 18,071}]{ }\) & ＋\({ }^{43} 4\) & 138，773 & 8 & 10，961 \\
\hline Kinat County： & & 13 \％，008 & \({ }_{9}\) & 14,24 & \(-2\) & 188，859 & \(\pm{ }^{-83}\) & 118．080 & 30， & \({ }_{\substack{10}}^{14,191}\) \\
\hline tongrord & & 107，370 & 4 & 112，538 & 2 & 115，991 & \({ }^{88}\) & 88.850 & is & \\
\hline 1outh．\(T\) & & 101,011 & & 107，481 & 4 & 111，999 & ＋183 & 910，819 & 16． & 3， 3,973 \\
\hline Dropheda Town & & 18， 198 & Fil & 177,365
176,876 & ＋\({ }^{4}\) & 163，4618 & \(\pm{ }^{34}\) & 16，873 & 13 & \(1 \mathrm{i}, 70\) \\
\hline Quem＇，Counts & & \({ }_{151}\) & ＋\({ }^{\text {B }}\) & 10，\％．31 & \(+3\) & 153，930 & －88 & \({ }^{1115} 583\) & 1 & ctors \\
\hline Werimeath ： & & 188，\({ }^{\text {189 }}\) & \({ }_{7}^{6}\) &  & \({ }_{3}\) &  & \％3 & （11， 1199 & 18 & \\
\hline Weiford & & 170,806
110,66 & \(1{ }^{7}\) & 188,713
189,37 & 11 & （197， 18.113 & 81 & 180,159
98978 & \％ 48 & cosion \\
\hline Total & & 1，737，498 & \(+9\) & 1，909， 713 & ＋ 3 & 1，973，731 & －158 & ［ 674,591 & －13 &  \\
\hline \multicolumn{11}{|l|}{\multirow[t]{2}{*}{}} \\
\hline & & & & & & & & & & \\
\hline Cort（iounty & & 649，786
100,838 & 12 & （103，768 & －29 & \％ 773,398 & 23
+6 & 363，396 & 17 & 161／697 \\
\hline Kerry． & & \％16，145 & 4 & 263,186 & ＋12 & 993，980 & \(\pm\) &  & 15 & 80， 8121 \\
\hline  & & 218，438 & \({ }_{18}^{6}\) & \({ }^{8188,801}\) & & 481，638 & ＋ 98 & 248，688 & 17 & ifticol \\
\hline \({ }_{\text {Limmerick }} \mathbf{C l i g}\) ： & & 39,045
346,496 & 18
16 & －66，359 & ＋\({ }^{278}\) & 43，334 & \(\pm\) & 331，488 & 337 &  \\
\hline \({ }^{\text {Wapmeram}}\) & & 1 \(47,818\). & 15 & 148，433 & 11 & 178.971 & －81 & 138，931 & 20 & \({ }^{19}\) \\
\hline Waterford \(\mathrm{ClH}_{7}\) ， & & 2n，679 & & 89，881 & & 23，416 & ＋\({ }^{+}\) & 95\％：997 & 9 & 82， 319 \\
\hline Tota＇ & & 1，935，6i2 & 13 & 2，927，138 & N & 4，396，161 & － \(21 / 2\) & 1，837， 118 & －181 & 1，512，38 \\
\hline \multicolumn{11}{|l|}{} \\
\hline Antrim & & 217，683 & \({ }_{64}^{23}\) & 969，683 & \(38{ }^{98}\) &  & －\({ }^{9}{ }^{9}\) & 251，581 & ＋20 & \({ }^{176}\) \\
\hline Carricisfergus & & \％，013 & \({ }^{8}\) & \％，706 & 8 & 97， 979 & －11 & 20，380 & ＋10， & \(\lim _{9,18}\) \\
\hline Armagh & & 197，487 & 11 & 220，134 & 7 & \(23,3,393\)
20.5158 & \({ }_{28}^{13}\) & 198，083 & －3． & ream \\
\hline lionrgal & & 24， 9770 & 16 & 289，19 & 3 & 296， 488 & 11 & \({ }^{175150}\) & 4 & cision \\
\hline Downt & & 323，410 & \({ }^{8}\) & 332，074 & 3 & 361,446 & 11 & 380， 517 & 6 & 5 \\
\hline Ferminngh & & 130,997
193,869 & 15 & 149.763
242.1012 & 1.20 &  & \({ }_{13}^{23}\) & － 116,007 & 9 & 103itic \\
\hline Monaghan & & 179，69 & 5 & 19，038 & 1. & \％00，49 & 29 & 19，813 & 10 & （18， \\
\hline Tyront & & 261，665 & 16 & 304，468 & 3 & 312，930 & 18 & 453，731 & 6 & 20 \({ }^{3}\) \\
\hline Total & & 1，498，194 & \(+1\) & 2，486，6\％z & \(+1\) & \(\underline{4,386,373}\) & －16 & 8，011，786 & －3 & 7，911， 2 2 \\
\hline \multicolumn{11}{|l|}{} \\
\hline Galway & & 309，399 & 27
19 & 8813 & \(\pm 101\) & 199，9 & ＋ 87 & 298，136 & & \\
\hline Onimy \(_{\text {ditrim }}\) & & 127，795 & 13 & 141； 30 & ＋98 & 15， 18.297 & ＋37 & 117，\({ }^{2,3,693}\) & \({ }^{99}\) & （10，9\％ \\
\hline Muyc． & & 293，118 & 23 & \({ }^{366} 9388\) & \({ }_{6} 6\) & 388，\({ }^{\text {3n5 }}\) & －998 & 874612 & 7 & cistis \\
\hline Roscommon & & \％08，799 & 19 & 219,013
171,753 & \(\frac{1}{6}\) & 253,591
100.686 & 31
88 & 173,417
188,510 & \({ }_{3}^{10}\) & cisimity \\
\hline Total & & 1，1110，849 & ＋81 & 4，343，914 & ＋ 5 & 1，011，859 & －xR1 & 1，010，211 & －9 & 913，15 \\
\hline \multicolumn{11}{|c|}{SUmMARY} \\
\hline Provinces & & & & & & & & & & \\
\hline Leineter & & & & & & & & & & \\
\hline Munmer & & 1，935，612 & \({ }_{14}^{15}\) &  & &  & 288 & 1，837，118 & 18 & cis \\
\hline Cononught & & 1，110，4\％9 & 91 & 1，\({ }^{2}\) & \({ }^{5}\) & － & 2014 &  & 9 & 1，ghas \\
\hline Total & ． & 8，801，887 & \(+11\) & 7，767，001 & ＋3 & 8，173，191 & 20 & 6，351，970 & －111 & \({ }^{3} ; 89,9\) \\
\hline
\end{tabular}

Summary of Great Britain and Ireland，including Army and Navy．
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline & 1811 & \[
\begin{array}{|c|}
\hline \text { Ine. } \\
\text { deent. } \\
\text { den }
\end{array}
\] & 1821 & \[
\begin{aligned}
& \text { Ine. } \\
& \text { per. } \\
& \text { Cent. }
\end{aligned}
\] & 1851 & & 1641 & \[
\begin{array}{|c|}
\hline \text { Inc. or or } \\
\text { De. pet } \\
\text { Cent. }
\end{array}
\] & 1851 & Inc．or Dec．phat Cenh & \％ \\
\hline & 9，853，041 & \[
174
\] & |1,281, & \[
\frac{16}{6}
\] & \[
\left[\begin{array}{l}
13,090 \\
806
\end{array}\right.
\] & \[
\because 5
\] & 14,997,987 & & & & \\
\hline Whiles &  & \[
i_{i 8}^{1 i^{*}}
\] & \[
\left\lvert\, \begin{gathered}
718 \\
2,010
\end{gathered}\right.
\] & \[
18
\] & \[
\begin{aligned}
& 8,506 ; \\
& 8,564,
\end{aligned}
\] & \[
\begin{aligned}
& 130 \\
& 167
\end{aligned}
\] & \[
\begin{aligned}
& 911,703 \\
& 9,620,184
\end{aligned}
\] & \[
\begin{aligned}
& 10.85 \\
& 10.2
\end{aligned}
\] &  & \[
{ }_{6}^{20.44}
\] & \[
1
\] \\
\hline Army，Navy te．\({ }^{\text {a }}\) & 0 & & 819．340 & 15.8 & 277，017 & 19.8 & 124，040 & 13.8 & 10， 13,12 & 92 & ， \\
\hline To & \(\overline{12,610,680}\) & 11.8 & 14．300， 368 & 1 & 16，585， 10 & 13．20 & ［8，8，46，883 & \(\pm 78.3\) & 71099，9 & \％ 9.9 & \\
\hline and & & & 8，801，8 & 10.5 & 7，767 & \(5 \cdot 8\) & 8．175，184 & －16．5 & 8，551，92 & & － \\
\hline Total Popuintion
United Kingiom & & － & 21，302，3 & & 194，319，811 & & 27，021，949 & & ，87，721，941 & ＋ 18 & \\
\hline
\end{tabular}

An Accound of the Population of the Principal Cities and Towns of the United Kingdom in 1801，供1 1821，1831，1841，1851，and 1861.
N．B．－The same IImits have been preverved throughout，or an near as wmp practicable．
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Cities or Towns & 1801 & 1611 & 1821 & 1861 & 1841 & 1831 & （m！ \\
\hline Emoland． & & & & & & & 1577， 17 \\
\hline Tondon－\({ }^{\text {Mnnchenter and Salford }}\) & 958，86．3 \({ }^{\mathbf{9 1}, 876}\) & 1．138，813 & 1，378，917 & 1，581，991 & 2，961，177 & 2，362，20 & 陱傌 \\
\hline siverpool & 84， 493 & 104，104 & 13 SH 314 & y01，751 & 296，487 & 373，935 &  \\
\hline Birmingham & 70，670 & 82，733 & 101.729 & 143，986 & 189，942 & 239，61 & 20，16 \\
\hline Leeda ： & 33，162 & 69，334 & 83，796 & 143,393
104,08 & 152,074
125,145 & 173， 13720 & 修第 \\
\hline Briatol \({ }^{\text {S }}\) & 61，153 & 71，4331 & 8，5，108 & 104，108 & 111，091 & 135，10 & \(4{ }^{4}\) \\
\hline Wheffeld \({ }^{\text {Walverhampton：}}\) & 43，751 & 13，190 & 83， 011 & 67，514 & 93，\(\times 13\) & 119.74 & 14.50 \\
\hline Bradford & 13，264 & 16，012 & 26，307 & 43,527 & 66，715 & 103，778 & 10940 \\
\hline Plymouth and Deponport－ & 89，787 & 60， 196 & 65，169 & 65,963 & 70,340 & 90，401 & imas \\
\hline Neweastie－upon．Tyno－ & 35，048 & 34,373
37,003 & 41，794 & 53,613 & 70，337
\(\mathbf{6 7 , 3 0 8}\) & 881,590 & \＄1， 661 \\
\hline
\end{tabular}


Population of the Principal Cities and Towns of the United Kingdom-continued.

1861, according to the ent. in the Intervening
 \(=\)

\section*{ay and Navy.}
 Inited Kingdom is 180, 1815



PORCELAIN or CHINA-WARE. A very is fully described by Dnhalde, in his account of ine species of earthenware. The first specimens China, under the head 'Porcelain and China-ware.' fthis fabric were brought to Europe from China The porceIain of Japan is decidedly inferior to that nd Jspan, The best Chinese porcelain is of a of China; very little is imported, and it is valued rey fine texture, white, semitransparent, and only as a curiosity.
ometimes beautifully colonred and gilt; is in- After porcelain began to be imported, its beauty maible, and not subject to break by the sudden sonn brought it into great request, notwithstanding pplication of hest or cold. The Chinese term Its high price, as an ornament for the houses and it the article is tse-Ri. But the Portuguese, by tables of tho rich and the great. The emnlation thom it was first brought in considerable quan- of European artists was in consequence excited. ties into Enrope, bestowed on it the name of redain, from porcella, a cup.
Common earthenware, sometimes of a very good aility, is manufactured in Canton, Fokien, and reala other provinces of China. But it is a ious fact, that the beautiful porcelain imported © Europe is made only in the town of Kingtegin the province of Kyangsi. Its manufacture

\section*{I'ORK}
thlishment of the manimedure in Fitrope. It was


 pron chlon linve herol proslucerl int Sivres, in
 the Fremeh fiencrimient.

British I'urerhin Monefirefure.-Thls, though
 workmumalip as huso leron produced at Siveren
 tancy. Instend of exchusively mplily ing themedres ta the manufartise of aribiles tilted only tor the use of the sich, the artints of limghond have exarted thenselvers, it profirinere, to proslace chima-ware anitublo for ther midillo clnsmes: unid huve ancrealed in produclug artiches nt once ex. crillut in quality; platent int tim, mil cheng. Wo aru princigally iuldited for thon improvemonts made in this important manufncture to the genions ninl enterprise of tho Into Mr. Joniahi Wealgwoskl. This extrmordinary mun owed homo of him suevess to fortuitous circumatnaces Davoting his mlond to putient inseretigation, nud apurimg neither puins nor expense in aceomplishlug hils almes, ho gre hered round himarista of tulent from difieront comeries, and drew minen tho ntores of seienco for adal in pursuing the objecta of his praiaeworthy nmbition. The enrly and agmal prosperity that aitembed his eftiorts nerved only as min incentive to urge liint firwarit to now oxertions, nind as theatis for conling forth and cheouraging talent in others, in an manuer enleulated to promolo tho wellare of his country. Previounly to his time, the pottorios of Siaforishite prochoced only inforior fabiotes, thimsy as to their materinas, mul vold of tanto in their forms and ommments; the hest mongr then heing only wrotelued imitatious of tho grotescgue nad hilmeining acemes and llgures pertrayed on tho porectain of Chima. lhit anch havo leeen the affiets rewnlting from the excrions mul examphe of this one individunt, that the wares of thint district are mow mot only bronght into gencral nese in this comitry, to the exchasion of all foreign goocls, which land been lngigely imported, but Fonplish puttery has since tren songitt tor and celebrnted thriughome the civilised world, umbl alopted evmi in places whore the art was previousIv practised. All intelligent forcipuer, M. Fanjas de St. Foml, writing on this subjert, nays: 'Ifs excellent workmanslip, its soliliti, the advantage which it prosseyses of sustaining the netion of tire, its fino glaze impenetrable to acids, the beanty and convenience of its form, and the cheapmess of its price, lave given rive to a commeree so netive and so universal, that, in travelling from Paris to I'elersburg, frum Amsteriann to the fartheat part of Swoden, and from Dankirk to the extremity of the South of France, one is gerved at every inn upon linglish ware. Spain, Iortugnl, nud Italy are supplied with it; and vessels are loaded with it for both the Indies and the continent of America.'

See the quotation in the "Acrount of the Porcelain Muntfacture' (p. 16), in Larduer's Cyclopadia; for the statistical detnils with respect to the mamufacture, see the article Eanturnwabe, in this work. For much cemmon information on this sulyject the reader is referred to Birch's Ancient Pottery, Marryatt's Pottery and Porcclain, Life of Wedguood, and M. Arnonx's lieport on Pottery in connection with tho Paris lixhibition of 1867 .
The British porcelain manufacture is principally earriod on at the lotteries in Stnfforilshire, and at Worcester, Derby, Colebrookdale, and other places.

Surrhime empro-it wan lonig a prevalent opinion
 Initi. I'bupny was the llast what brouphe imereRomuc from dio Liant, nleout if ywara lefore the
 mal fretched emormones prices; Nero having given, necoriling to the common methond of interpresten,
 the purchanser may, ill thim liadnaer, be supponet to have increnseril the privo; so that the degtre of estimniont in which thase cups were hilit may in more aceurately lifferred from the fact that, of oll thes rich spuils of Aloxandrin, Auguatus was cuateme (o) nelect olfo for hia mliare. (Sueton, lih, ii \(\therefore\) © (1.) I'liny (lib, \(x \times x y l i\). c. 2) says they weo mindo la l'ersia, parlisularly in Karamania. Ihu thosm who coltenid they werv china-wara chicely deponed on the followligg line of l'ropertins:-

Murrhearuy In Parthis mopula cuera porin,
In dowpite, howeyer, of this apparently dechive anthority, l.o Ilam! nul Jariher have, \(\ln\) two verylearned disnortationia (Mimuirca de l'dedémi den Inarriptiona, tom, x lili.), which Ruberson hat leclared are quite natisfactery, endearoured to preve that the wasn murrhian were fomed of trausparint stone, alug out of the carth in mame Finstorn provineses, anel that they were linitatert in vensels of coloured glans. (liohertaon's bitquiaition ous India, note 119.) 1)r. Vincent (Charmerre and Navigution of the Ancients, rol, it 1. Texs) inclines to tha opposito apinion; but the weight of muthority is evidently on the other side. At all evernis, it is plain ilatit the murrhine rups were really porcelnin, it bad been exceredingly senree at IRome, as their piow would otherwise have been comparalively mode rate. Ilit it is mowt probinble that the ancient were whelly inmequaninted with this arlicla, which indeed was little known in Fiarope till afer the disewrery of the ronte to ludia by the Cap of "iood Hope. (For mome further details of this itiention, seo Kippingii, Antiq. Rom. lib. ir c. 3.)

In 1867 we imported \(19,854 \mathrm{cwt}\). of china of porcelain ware, chictly from France and Germany valued nt 170,1911.
lolRK, ILACON, and IIAMS consist, bly tirst of the fresh or musured tlesh of the beg the second of tho sides and belly when eured or nalted, aul the third of the biad-legs whe cured.

These furm important articles of food in thi quarter of the worlid nind in Ainerica. liut the are rejectol by many nations, and among othen by the Jews nud Mohnmmedans, pardy fur superstitious motives, but in part also from ami tary considerations. (Sce the profound work Michnelia, On the Lares of Mose: iii, 230, En trams.)

Proviously to 1842, the duty on bacon and bames loing 28s. per cwt., was in effect prohibitor of th former, and little or none was imported. "trm then, however, reduced to 14n. per cwt. Ia 184 the duty on bacon was entiroly repcaled, and be on hams reduced to 7 x . per cwt, the later bein also repealed in 1853. There has been, in conso quel..ce of the abolition of the duty, a great incuas in the demand for forcign bacon-the imports which amounted in 1852 to \(13,952 \mathrm{ckt}\), baring increased, in 1866 , to \(578,272 \mathrm{cwt}\), raleed \(1,699,3014\). ; the exports of foreign bacon and ham in the same year being only \(66,760 \mathrm{cmt}\). Th imports of hams in 1866 wero 57,510 ewth II subjoin-
l longe a prevalent opinion it tho vanis marrhime, w? v, wers formod of purper rat who firought them lo out of years hefure the
 oen: Nero having given, methiosl of Interpreting, The oxiravaganer of his linstaner, bo suppesel co: sos thint the degrees of " cupm were leld may be from the fact that, of all ndrín, Augustus was cubin mhare. (Kurtun. lil. il. vil. c. 2) «nyn they wre urly in Kurimania. llut * were chinn-wath chielly line of I'rojertins:-
l.ith. It. Nien. S, In. TA.
f this apperently decisive ind larcher have, in twe an (Mémoircta de I'Andemí (lih.), which Vobertwon has tisfactory, embenvared t murrhinn were formed of tout of the rarth in mame ont. of the rarth fand ginas. (lubertsom's Dis Le 19.\()\) Dr. Vincent (Com\(n\) of the Ancients, rili it tho opposita ophion; bat ority is evidently on the vonte, it is plain that it the really porcelain, it bul reo at Rome, as their price been comparatirely modeprobsble that the ancients inted whith this articla mhich own in lurope till after the bite to India by the Cap or nome firther detalas on Inpingii, Antiq. Rom, lib.i. it
ted \(19,364 \mathrm{cwt}\). of china o ly from France and (iermor

AND IIAMS consish the r uncured llesh of the bof sides and belly when cuted third of tho biad-lers whe
rtant articles of food in thi and in America, lut the y nntions, and among olbe Dohammedans, partly fre s, but in part also from suig (See the profound moty Tates of Mive: itil 230, bity
p, the duty on baenn and bing was in efleet probititior:o 'l \({ }^{4}\) nono was imported. Hm ced to 144 , per cwi. la 10 yas entiroly repcaled, and tuay 7 s . per cwt., the later beme There has been, in comas on of tho duty, a greai ingots foreign bncon-the imp 1852 to \(13,952 \mathrm{cmth}_{4}\) berim to \(578,272 \mathrm{cwt}_{1}\) valued orts of foreign bacon and han being only \(66,760 \mathrm{cnh}\) II 1866 were 57,510 ent.

As Aecount of the Quantitive of Ditcon Ilamn, And Port Impmrted into the Upited Ningitom in 1467 , apecifying the Cowntripa whence they wre browght, and the Qumntities brought from norct.
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{2}{|r|}{Counitiot} & llarm & LIame & Ioma \\
\hline & & \[
\mathrm{me}_{6}^{\mathrm{w}} 174
\] &  &  \\
\hline Meneis Town & : & 16.3, \({ }^{1} 4\) & 4,757 & 6.3,171 \\
\hline here & : & 90i, & & \%,110 \\
\hline linut wale & - & -91, \(1,4 \times 8\) & m0,151 &  \\
\hline Haluend & : & 1Y, 1064 & 3,178 & 17, 4.11 \\
\hline Tutal & - &  & -1,447 & im, y \\
\hline
\end{tabular}

Miltt. [Oponto; Winc.]

 bote tho liehthonse oll lamentin loint in risble for 9 miles in lat. \(18^{\circ}\) " \(13^{\prime}\) 135" N., long. no \(^{\circ} 25^{\prime \prime} 12^{\prime \prime}\) W. It. In nituated on the west connt of he insand, int the bottom of a lnrge and derep gulf. It wns fommed in 17I!!, alnee whileh, with ow intervaly, it has been the enpital of firenel Sn lomingo. It in partially fortillofl, the harlonur being protected lyy a binttery oll a monall island at a little diatance from thon whores The eountry mond is low anit marsliy; and the hent. in the ammer montha lasing exceamive, the climato is then exceeliugly unhenlthy. The limildinge are principally of wered, anil wilifon exceed 2 ntorrya in heingh.
linthur. - 'The entrance to the harlouris bediwern White INand and the gonthern shore. 'The slepth of water varic: from nlout is feet at elbito aboul Il fet at full tide. It is enstomary, but not compulsor, to employ a pilot in entering the harbour. Pilits are always on the look-olt. Shiper mowr brad and atern, it from 100 to 600 ynrilu from thore; loading and unlonilling, by meais of bonts, as there are neither dockn nor guаум to nasint these operations. The harlour in perficelly saft except during hurricanes, which may bes expected from Auguat to November. Tho bny of Port-antPhince it wellnigh block il up to the northwarid by sumerous shoals and islets, which protect the sochorage.
Hhytifi, aext to Culn, the largent of the West India islands. It wan discovered by Columbus, on Deeember 5,1492 . Its greatest length may be hoot 400 milen, and its greatest breadth 155 . Its eaperficies is estimated at about 29,500 square miles. Three principal chains of mountains (from Which emanate mmaller mountnin arms) run from the ceatral group of Cibao. The whole of theso redecerbed as fertile and susceptible of cultivatien, even to their summits; afforling great aniety of climate, which, contrary to what is the act in tha plains, is remarkably healthy. The coil of the plaina in, in general, a very rich vegeable moald, exceedingly fertile, and well watered. There are several large rivers, and an immense amber of amaller atreams, some tributary and then iodependent. The ports are numerous and ood. The harbour of Cape St. Nicholas, the prifictitions of which are now in ruins, is one of be finest in the West Indies, being infcrior only othe Havannah. Tisber of the finest description moet abundant, and mines of gold, silver, rppet, tin, iron, and rocksalt, besides other tural productions, are anid not to be wanting. be rrench were therefore fully justified in minuting this magniticent island La Reine dea utilles. The principal towns, besides Purt-aumine, are Cap Haitien, formerly Cap François, on \(*\) north coast, St. Domingo on the south, Les ye, and Jacmel.
Previonsly to the revolt of the blacks, Hayti was
and Spanlariln; the former possenening then west. nind the latter thos eanters nud Ingerer portion of the inland. 'The revelution began in 1780, and torminnted, after the mont dremifill manacren allid the deatructlon of a vant ileal of property, in thes total abolition of alavery, and lhe eafalidishament of an lutepondent black republic. 'I'he Spanisha part of the lalani and the fromoh, nfter leving
 minee which time the former lins lwem, npeakinge genorally, a mosk empire, mul tho latere a moerk republle: llut in both disorider and revolution have heent rewirring ni. nhort hitervale.
 wan loy far tho mont. valunlile and flompishimg colony lit the Went linlies. Tho population was entimnted at \(62 \cdot, 000\); of which \(\$ 1,000\) waro white, 27,800 people of eolour, aut \(415 \mathrm{f}, 500 \mathrm{~m}\) maven. The Sjanimh purt of the inland was much lose denwely peropiod, tho mumber in 1785 being entimated it Ifi, (in) ; of which 122, ,810 were frwe people of nll eolonirn, mosilly minlatuerm, nod the rout nlaver. The pepulation of the entirn inland, In 1827, way
 were whiten; bint there nro gooil groninds for thinking that that cuthmate was exngigernted, and that the prearint prpulation down not excead 700,000) or 750,000 .
Frports.-Thera han breen nn extrnorilinnry Falling-off in the trade of Hayti minee tho Jewohition. 'Iher exporta of mugnr, tior example, whic:l
 wholly dimaperarea. The enltivation of the como han not, however, beren eotirely relinguished; but les produce la now wholly converted into talla, inn inferior Ilencripilion of rimm, at which the blackn are exeresuively foud. Tha prodnce of coffec has niso fallen off; and itn export, whis:l miny nmonnt to nbout tio, (000),000) lb., is in great. part derived from the oll coffeg jlantations of the French, which are now vimont will. The remainink articles of export conmmi prinejpally of malogrony, logwood, nud other dye and fancy woods, which merely repuire to tas cint down; with small quantities of eoton, cac:no, fortoiseshell, homoy, winx de. Iht so inconailerable in their mmonnt, that. the entire value of the exporis \(\ln 18603\) did not excced \(2,458,0001\)., not certainly \(\frac{1}{10}\) of what it would amonnt to were the inland occupical by a reasonably intelligent and industrious pupulntion. The grenter part of its foreign trade in with the United States; and that with lingland in next in importance. In 1867 the value of our exports to IIayti and St. Domingo amounted to only 91,6236 ., principally conslating of cottons ( 16 bi, 0991.) and linens. It is an instructive fnet that they tork from us no machincry, and only 2,497l. worth of Iron. At present (1860) they are suffering all the horrors of clvil war; anarchy prevalls, and commerce is paralysed.
Beaides its imports from Fingland, it importa flour, rice, mess and cargo beef, llsh \&ce, and timber, from the United States; wines, satills, liqueurs, jewellery, toya, haberdashery \&c. from Franco; and linens, canvas, gin \&ce, from llolland and Germany; but the ameunts of the latter are inconsiderable.
The greater part of this extraordinary fallingoff is to be accounted for by the change in the condition of the inhabitants. The blacks, belitg no longer compelled to labour, and regarding with abhorrence the culture of sugar and the ollier occupations in which they had been principally engaged, sank into a atate of idleness and apathy. The condition of all the great branches of industry formerly carried on became, in consequence, most deplorable, and the commerce sequence, most deplorable
of Hayti was reduced within the narrowest limits，Ita successive rulers have endeavoured． though with little success，to bring about a revival of industry．The Code rural，enacted for this purpose by Boyer in 1826，was exceedingly striugent，i：a prineipal provisiona being，in fact， copied from the regulationa as to slaves embodicd in the Code nuir．Iut even this code had littie intluence；and as a proof of the low state of imlustry in the islani，it is enough to refer to the pirevious statements．And this result is，after all， unly what should have been antleipated．To rexpect that half－elvilised Africans，under a hurn－ ing sun，and without the wants or desires of linropeans，shoult be equally industrious，is to expect what is contradietory and all but absurd．
Port Charges．－The charges on a native and furcign ship of 800 tons are the same，and as follows：－


Custom－house Regulutions．－On arrival，the muster of the vessel proceeds to the Custom－ house with the interp．？ter，where he makes his declaration whether he discharges his cargo in the port．If he discharge，his invoices nre trans－ lated，and the goods verified in the presence of the consignce，who is allowed to land and store them．On clearing outwards，the merchant pays the duties on the cargoes both ways，and exhibits a receipt at the office of the commissaire de gucrre，commandant de place，and commandant de port，who sign a certificate that the vessel may depart．

Warchousing．－The warehousing and bonding system is estabished by law，but there are at present no buildiner appropriated to the recep－ tion of bonded gooas．Until very recently，goods were permitted to be bonded under this law in the merchants＇stores ；a late order has，however， snopended that indulgeace．The rate is 1 per cent．per year，and no allowance made for waste or loss．Goods experted in the same vessel they arrive in pay，if landed，\(t\) per cent．and wharfage fees．

Money．－The weight of the dollar is 216 grains，the \(b\) and \(\&\) dollar being in proportion． But nearly the weight of the coin consists of tin or other alloy，so that the value of the dollar does nut exceed \(1 \mathrm{~s}, 6 \mathrm{~d}\) ．sterling．

Weights in Hayti are divided as in avoirdupois and apothecaries weight；but they are about 8 per cent．heavier than British weighte．

Measures，－Same as those nsed in France．
Regulations as to Trade，－It is enacted that all persons exercising any trade or profession，ex－ cepting that of cultivating the aoil，must be provided with a patent or licence to carry on auch trade or profession；that all strangers admitted as merchants into the republic must，in the first plece，procure the permission of the president to take out a patent，which，when obtained，only authorises them，under heavy penalties，to carry on a wholesale businces，not with each other but with the Haytians，in the open ports，which are Port－au－Priace，Gonaives，Cap Haitien，Port－i－ Plate，Santo Domingo，Jacmel，Les Cayes，and Jérénie．The minimum quantities of goods that may be aold are fixed by the same law．The

Haytian consignee may be also retailet，on taking out a corresponding patent．

A charge of 2，010 dollars is made for each patent to a foreigner trading to Port－au－jrince 1，400 for Les Cayea，Cap Haytien，and Jacmel and 1,600 for each of the remaiting ports．

Duties．－The duties on all imported commodi ties consigned to forelgn mercliants are 178 per cent．on an eatablished tariff，whetlier they ber brought in native or ferelga shlps，with the exception of those from the United States，which pay an additional 10 per cent．on the amount of the duties．Goomle consigned to native merchanti pay only 16 h per cent．
The coasting trado is entirely cuafined w Haytian citizena．
＇The commerce of Port－au－l＇rince is carrien on by various classes of persons．The imports from Europe and America are principally conaigned to European and North American commission boanen besides a few Haytian establishmeuta，

We have derived these details with respect to Hayti partly from the published Notes of Charler Mackrazie，Esq．，Iate consul in that island，and partr，from consular and other Returns．

POR＇T LOUIS or NORTII－WIST PORT The capital of the Mauritius，at the hottom d triangular bay，the entrance to which is nuthr diflicult，in lat． \(20^{\circ} 9^{\prime} 5 t^{\prime \prime}\) S．，long． \(57^{\circ} 26^{\prime} 41{ }^{\prime}\) E．Every vessel spproaching the harbour mus hoist her flag and tire 2 gann ；if ia the night， light must be shown，when a pilot onme board，and stcers the ship to the entrace of ic port．Though nut very extensive，the anchong in Port Louis is gencrally quite aafe，and tis dangers to which ships in it were sometim expesed during the hurricane seasou hare be in great measure obviated by the formation docks．It used to be reckoned a consenieat po for the careening and repair of vessels； owing to the greatly increased magnitude of ships and steamers which now navigate Indian seas，incrensed means of accummodatioe this respect became highly desirable，and thr have been supplied hy the formation of at dock capable of admit ting the largest shipa houses are low，and principally built of The town and harbour are pretty atrongly for ficd．Almoet all the forciga trade of the iflam carried on iere．
The Mauritius was so called by the Dates honour of Prince Maurice；but it was fint tled by the French in 1720，and is inded for most part of its prospenty to the shi management of its governor，the famous \(M\). Bourdonnais，It was taken by the Eaglib 1810，and was definitively ceded to us in 1814
Exports and Imports \＆\＆c．－Mauritius is pr fertile，a considerable part of the surface bo however，occupied by mouatains．Its shp circular，being about 150 miles in circumfers The climate is healthy，but subject to hurric The principal product is sugar，which is cultivated to the almost total neglect of or thing clse，and the island may，indeed，bo m have become an immenae sugar－factory．B also produces excellent coffee，iadigo，and \(\omega\) The blackwood or ebony of the Msuritins is abundant，and of auperior quality．Very corn or grain of any kind is raised，moot try of proviaion boing imported．Pravionsly to the sugar and other articles broaght to Britain from the Mauritius wers charge the aame duties as the like articles from 1 － but in the above－mentioned year this diatic was dons array，imel it was enacted（ 6 Gua） 111 s．44）：that all goods of the Manitios is
is made for each to I'ort-mu-l'rince ; fatitien, and Jacmel; qaining ports. 11 imported commoli. ercliants are \(17 \%\) pet siff, whether they be atgn silips, with the United States, whel ent. on the amount of ed to untive merchanis
entirely cuatined to
au-Irince is carried on ons. The imports from principally consigned to pican commission bouses tablishmeuta. e detailds with reapect to elished Nutes of Charte nusul in that island, ad nther Returns. NOKTII-WFAS PORT ritlus, at the bottom of rithoce to which to nuthe \(56^{\prime \prime}\) S., Jong. \(570 \quad 20^{\circ} 41\) aching the harbour mus 2 guns; If in the night, when a pilot omes hip to the entrauce of in y extensive, the anchort erally quite safe, and th ips in it were sometim curricane seasoll bare be viated by the formation reckoned a convenieal po nd repair of veasels; - increased magnitude of which now navigute means of aceummodation highly desirable, and the hy the formation of at tting the largest shipe. principally built of mo our are pretty strongly fo foreign trade of the islan
is so called by the Duteh Haurice: but it was int In in 1720, and is inda ts prosperity to the governor, the famoua M. as taken by the Eaglim tively ceded to us in 1814 orts \& 8 c. - Mauritios in pr ble part of the surface by mountains. Its enu it 150 miles iu troumar thy, but subject to buma luct is sugar, which is lmost total neglect on island may, indeed, be amense sugar-factory. lent coffee, Indigo, snd ebony of the Maunitas superior quality. Very py kind is raised, mokt mported. Proviously to Mer articles brought to Msuritius were chare 3 the like articies fiom nentioned year this din d it was ancted goods of the Mentitus
anding Imported Into the United Kingeloni, be mbiect to the same duties and regulations is the abe roods from the British Weat Indics, and F the trade with the Mauritios should be hat the as aearly as possible on the sams footing that of the Weat Indis islands.
This was a great boon to the Mauritius, but it fot to it that the inorease of ita sugur cultiva. a is to be ascribed. The emsancipation of the javes was as injurious to the plantera here as to those in the West Indies ; but, owing to its more covenient situation, vast numbers of hill-coolien ant other labourers from Irdia, and some nlfo tom Madagasar, have baen introduced into the Youritus, and it is to the supply of labour which bus thua been obtained that the prosperity of the liand is wholly owing. All the best insuiar whorties admit that but for tho immigration it rould have retrograded; the emancipated negroes rould not have engaged in any sort of severe lownt; and it is in part by the example of the labur; and bat more through necesaity, that tho Weds have been stimulated to exert thenmin
This prosperity, however, lias, unfortunately, not ben continaous. The rapid increase in the cultivation of beetroot sugar, the excess of immigration into the Mauritius, and the almost antire dependence of the colony on importations of lood have seriously inpaired its prosperity. (Lieat. Goremor Barkly's Report, 1866.) In 1866, the puaber of ladian immigrants was \(\mathbf{5 , 5 9 6}\), and of Indian emigrants 3,815 .
The imports of sugar into the United Kingdom from the Jlsuritius increased from 516,076 cwt. in 1840, to \(1,006,237 \mathrm{cwt}\). in \(\mathbf{1 8}^{86}\), but fell in 1867 to \(395,74 \mathrm{crt}\). Yet this atatement does not give fair riew of the real increese of production inasmach as if far greater quantity of sugar is now eot to France, the Cape of Good Hope, and Ausratia, than formerly. Thus, of the total shipvents from the island, amounting in 1866 to \(48,08,313 \mathrm{ib}_{\mathrm{n}}\) only \(75,886,276 \mathrm{lb}\). were fo the Tnited Kingdom; \(13,405,75616\), being for France, \({ }^{187,}, 966 \mathrm{Ib}\). for the Cape of Good Hope, \(99,111,415\) . for Australia, and \(51,009,554 \mathrm{lb}\). for Continental adia With the exception of rum, molasses, and Wooy, the other exports are too tritling to deaerve otice Sugar pays an export duty of \(3 d\). per 100 2. nett French weight.

The principal imports consist of provisions, rticularly grain and flour; the supply required the use of the island being almost entircly frived from the Cepe of Good Hope, Madagascar, din, Reunion \&c. Cotton etufis: iron, hardre, add cutlery; mschinery, copper, linens, wine, Wisc, are also largely imported. Guano has late jears been extensively imported, and has en fond to be of the greatest service in the wing of sugar. The total deelared value of the portsfrom the United Kingdom to the Mauritius, [ 1866 , mounted to 683,4031 ., and in 1867 to Hese, chiefly cotton and iron.
Mou, Weights, and Measures.-According to Mgrationa of Goverament, the franc is deemed In to add, and the Spanish doliar to 4a. 4 d . bovenment accounts are kept in sterling mey; but merchants, shopkeepers \&c. keep their outs in dollars and cents, and dollars, livres, bous,
be measurees and weights are those of France ioualy to the Revolution. 100 lb . French = b. English; the French foot is to the English y 100 to 9389 , but in practice they are supto be as 18 to 15. The velte \(=1\).gallon 78 English, but in commercial transactions it rays thenen at 2 gallons.

Lighthousea.-On May 24, 1867, the Harbour Lighta at the entrance of lort Louis were done away with, and a tloating light-vensel, painted white, has been subutituted. It is moored a little to the north-west of the well-known Bell Buoy, and shows a fiashing white light from aunset to sunrise, vinible 9 miles off.
There is a revolving entoptris light, of the first order, on the south-west Flat Island, lat. \(19^{\circ} 63^{\prime} 26^{\prime \prime} \mathrm{S}\)., loug. \(57^{\circ} 41^{\prime} 12^{\prime \prime}\) E. It is 366 feet above the level of the sea, and is visible in clear weather 25 miles off.
There is a fixed catoptrie light, also of the first ordor, on Caunonier Point, lat. \(20^{\circ} 0^{\prime} 35^{\prime \prime} \mathrm{S}\). longr. \(57^{\circ} 35^{\prime} 24^{\prime \prime} \mathrm{E}\). It is 39 feet above the level of the sea, and cam be aeen for about ten miles. It tndicates the position of a dangerous shonl nearly oue mile from the shore, and keeps vessels clear of the coral-reefs to the north-east and nouthwest of the point.
There is a lighthouso bultt on a smnll islnnd calied 'He aux Fouquets,' lat. \(20^{\circ} 2.4^{\prime} 20^{\prime \prime} \mathrm{S}\). long. \(57^{\circ} 40^{\prime} 0^{\prime \prime} \mathrm{E}\). It marks the pouthern entrance to Grand l'ort, and is 880 yarta to the E.N.E. of ile de Passe, which Lounds Grand Purt entrance to the northward. The apparatus is n dloptrlo of the first order, showing a fixed white light from sunset to sunrise, visible in every direction from seawa.d. It is 108 h foet above the sea, and in clear weather can be seen at a distanco of 16 miles.
There is a Government pilot stationed at the lighthouse, who will board ships bound to Maliebourg, ou their making the usual signal.
No vessel bouthil into Grand Port ought to approach it at night; she should heave-to well to the southward of the light, as, the drif being to tho northward, sho might tind herself to leeward in the morning, and lose much time in working up. (November 3, 1863.)
Lighthouse on Little Basses Rock, Ceylon.Ordinance No. 22 of 1865 provides that there uhall be levied and pnid in this colony as dues in respect of the light-vessel upon Little Basses Lock, Ceylon, ld. per ton of tho burden of suudh ship as may have derived benefit therefrom.
Lighthouses on Coust of Mauritius.-Extract from Ordinance No. 22 of 1855. Art. 1. There shall be levied by the harbour master, on all vessels excepting coasters employod on the coast of Mauritius, entering the harbour, or diseharging, or shipping cargo or immigrants in the roadstead of Port Louis, \(2 d\). per ton.
Art. 2. The above due shall not be levied more than twice within 12 calendar months on any ono vessel, and the whole amount collected shall be appropriated to defraying the cost of maintaining lighthouses and lights on the coast of the Mantitius.
The following are the numbers and tonnage of vessels that entered with cargoes and bullast into ports of this colony in the years 1864-65.


Cleared.


4n2

Tonnage of veasels entered and cleared in 1866, about 800,000 .

For Immigration, nee Colinnizs.
Population estimated in 1866 at \(\mathbf{3 4 0 , 0 6 4}\), Popnlation of Seyritellen Inlands and other dependencien of Mauritiua in 1801, 9,055 ,
\begin{tabular}{|c|c|c|}
\hline Vearo & Hevemue & Eapenditure \\
\hline  &  &  \\
\hline
\end{tabular}
l'uble Dobe in It858, 1,000,000
The revenue in 1866 was, including railway traffio receipts, 639,576l., and the expenditure, including the ninking fund and interest on railway loan, 700,0481.
Broherage, Comminaion, and Feen of Brokers and Exchange Drokern.
1. Por alee and parchaven of noode, merchandieo and morableo, payable heif thy the celler and half by the purcthaver, I yee
2. nates and purchemen of Immovablen, pogatile half by the collor
- And hair hy the purchauri 1 trep rent.
and purrtaces of catio oin of the town. payable half by
the sellef and half by the purrhaser, y yer rent.

haif thy the party tho weeleret it
 tiont of a lize naturo, furn wach attend nicee of a heutar noi

2. Nopoliading notes of hamd (uhatpers may bethe date of pasyment)



9. Procurins freikht and paseonkert, payable by the peramena eme
10. \(\mathrm{H}_{\text {ploe }}\) of phe the limater. 0 per cent.
ameunt of hifr, to the comtract oute property, on the while
 of the conirnect or moue escoeda that puritod i liuf by the jesrion Mirine, hat ty the of her party.


I.anding of Alppingoo gowdis in Innet ha

Hirs of wortmoen, is. \$5c, per diant diem.
Landinge or thitping of bricts and coast, guane and ahippling annd, 7na. per lon. 75 c .

 pisc. UnT tom.
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Do. \#eam erninete per horro pooef, 10 dol. rech.
Do. anborf unver , Sdol, wealk

Aupuriyn waier, Idid. \& Sce. per 1
Landink of difpping of ohein cablen of 8 to 10 lines pach, 3 dol. jer
Do. hill tyoo, 10 dol, per em.
o. 6 to 16 linees earh, 7 d. . 30 c . per ton.

Lambing oien or cows, 4 dol. each.
No. 5 then thoo 4 del, each.
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Do
lo. hor
Do. bol


Tranemipment from one veresel to another, 1 dol. por ton.
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po. emply I dol. esch.
io of pooda iying at men-of-wart moorinigs, 1 dol. per veusl. vent
Mo. of carrianew, tro whoma, Id. 5ic. per cartage.
Ho. of carriasen, cour wheta, itull. per cartiaty











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Statement of Commarcial Com miosikme (from Manrítive Civil Servica Almamach).
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4. On the celo of opecis and millo of pachango. I wo com


1. On \({ }^{z}\) poem ront
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 1. rommistion in derived, 71 per ime.


 7. Purchmed op nold under poeser of asterney, 5 pmeme 7. For revanary of roml, s ywe cont.


 11, On mind. upon the necual ralup of the elaim, y precrm.

4. On nefor lation of eot tomry beoder
no mant

 35. Endorvement of blita of pirhange err locel billa, 4 promb. or the defierery of koxid from a cario ehens


The following charges are levisble, by 0 ri nances Nos, fi \& 82 of 1852 , ou all vessels enterim or clearing from Port Louls :-
For Pllodexa. - Vresela remaining at the vell buor, per food of it fluting In wirda and mour

thall not ife rrquitrod to take a pullot.
 nitio, if the port office ateamer ive eninuloged:
Our wardas
For the ener of hoats milhout Warpo.- Fer arch bunch \({ }^{\text {I }}\) (manned) wer dê


Yethan turice in any nne yrar.
 profided thatid hey do not revere eargo, nor bruit buill or that they dirchurke carkn nolely for the purlues of refrequing any pari comdemned sodamered)


A ton of regitioer
The enchorape dues terlatio under ion 1HyN, were reduced en followa by Ordinence No. Is of ASY, Art, I. On werels enterint the bartour thes uem aball in no rase exerod the following amounth. whatever may be their tonnmee, vis, i-
On rempla breal ing bult or roceising iarpe
On vesela not Urealing bulti nor rer cisinis carpo
Art. Y. All arcem vemeita tourhing at this prit en their way to somse other port, othet thnn thow rociritas a contribution from ihmim colony, for the cartive of mulih between thls colony and Enipland and indila, dhall 18 esempt from anchuratid dure and frome wil abser hat. dovernment.
Port and Poliry Crearanere. - On vomala trading pith MedaOn all other veperia
For the Dredudng Surtiret-in addilional propertionai amount on all eiver port rluarget (elropping lim charges for the use of the nexumer and for semaiting owng ujuen the warpali, irivell upon, all wes
On pewela under 3511 tonat, jer repletet, 10 per cerai Of 350 toms or up wards, per repluet, ith pere comb. For tupging remeela by the port oftice steamer hearide a For ounalds, via, t-
For verects under 100 tond, earh
1,50 to 1810 tons
\(\$ 00\) 400, per ten
ahove 400 tons, perk sadditional \(100^{\circ}\) tone
This island is, as everybody known, the sem St. Pierre's inimitahle tale of Paul and Ving The wreck of the St. (iernn, so striking ffecting ant incident in the stary, io a real er which took place on August 18, 1744,
ommuations (from Mave en Almanach). 1 deceriplone, to the me maut her colembel prodece, il) we con.
 faschanco. 1 we ceme tarde vithinawn on taveder nib 'darnape incerrod by the remel Premen a ment.
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 bonda, 1 per cent. \begin{tabular}{l} 
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\end{tabular} Weent. ent, additional man esch reonth br chanere of loeal blly th per enel. roin a carge when the ine rees aro leviable, by 0 on 1852, on a Loule:-

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 Wrorps,- For esih hunch ading with Mredersacus of the What per ton of regiver Harke
Har. pur in diatrose. or for ropale, recelie- earko, ger breit buif
aryn mily for the purvend aryn on she same be rehi demned ad damereped) buik so bur, hus nex b of rifinatry "eding sana, mit Thebo under Ordrance No. If followa by Ordinance No, 314 sels entrining the harluos these excred the follown
tonsmake. ols. : or receleing i arke cule nor rece this partion inder courning in thow rovirting 4 colony, for the earime ot muil to d Bniland and rectuditely for the weo of the On ranela trading sen or of Aisuritius, esch : - An addistanal preportion the reamer and for Tomairing 1, Jeried upon all reme the beili buoy, vis. 1 a, leer regleter, is per cemb. per rexiner, 15 per emt.


Thle showing the Value of the Eisports from and Imports into Mauritiua in the 5 Yeara 1862-1866, and of the Quantity and Valwe of the Sugar Eirported,
\begin{tabular}{|c|c|c|c|c|c|}
\hline & 146\% & 186.3 & 1861 & 1563 & 1866 \\
\hline \begin{tabular}{l}
Inperth, oseluding specie \\
 ware aperted Plee of meest orpmpiact
\end{tabular} &  &  &  &  &  \\
\hline
\end{tabular}
[Thia article has been compiled in preat measure 1868 , a sehedule of duties levied in the customa frim l:formationsupplied by P'url. ''apers and the department, Manritius, apecifylng the laws and
 Wi aloo give from tho same Almanach for levied.

Table of Duties on Imparts.


PORTO RICO. The capital of the valuable from hurricanes; those of 1742 anil 1825 having

Spaish island of the same name, on tho north fide of the daland, on a peninsula joined to the man land by a narrow isthmus, lat. \(18^{\circ} 29^{\circ} 10^{\prime \prime}\) \(\mathrm{X}_{\boldsymbol{\prime}}\) long. \(60^{\circ} 7^{\prime} 2^{\prime \prime} \mathrm{W}\). The fortifications aro very ftrong: the town, which stands on a pretty ateep dedirity, is well built, clean, and contains about 16,000 inhabitants.
Harbour.-The harbour of Porto Rico has a triking resemblance to that of the Ilavannah, to which it is but little inferior. The entrance to it aboot 300 fathoms in width, has the Morro Castle on its east side, and is defended on the west slde of forts erected on 2 small islanits. Within, the harboor expands into a capacious basin, the lepth of water varying from 5 to 6 and 7 fathoms. on the side opposite to the town there are extcisire sand banks ; but the entrance to the port, as rell as the port itself, is unobstrucied by any bar \(t\) shallow.
The island of Porto Rico lics in the same titude as Jamaica. Though the amallest of le greater Antilles, it is of very considerable re. ita form is that of a parallelogram, ang about 110 miles in length from east to ket, with a mean breadth of about 38, conmiog an area of 3,750 square miles. Surface asactly diversified with hills and valleys; aoil merally fertile. It has, however, suffered much
from hurricanes; those of 1742 anil 1825 laving
been partlcularly destructive. Since the breaking up of the old Spanish colonial aystem, the progress of Porto flico has hardly been less rapirl than that of Cuba. Her population, which in 1778 was estimated at 80,650 , amounted, according to a census taken in 1836 , to 357,086 , of whom 188,869 wero whites, and only 41,818 slaves. It is obvions from this statement that a large proportion of the free inliabitants are coloured: but the law knows no distinction bstween the white and the coloured roturier ; and this circumstance, as well as the whites being in the habit of freely Intermixing with people of colour, has preveuted the growth of those prejulics and deep-rooted antipathies thut prerail between the white and tho black and coloured population in the United States, and in tho English and French islands. The population is now (1869) probably above 400,000.
Trade,-Sugar and coffee are by far the greatest articles of export. Next to them are molasses, tobacco, cotton, rum \&c. The imports consist principally of fiour, tish, and other articles of provision, lumber \&c. from the United States; cottons, hardware, machinery \&c. from England; wines, silks, jewellery; perfumery \&c. from Spain nnd France; linen from the Hanse Towns; irun from Sweden \&c. Large quantities of rice, maize

Quantities of the Principal Articles Exported from the Island of Porto Rico in each Yaar from 1861 to 1865.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{3}{|c|}{Articles} & 1861 & 1862 & 1863 & 1864 & 1465 \\
\hline Sugar & - & & 165,995,818. & 150,544,698 & 146,167,26.3 & 110,485,095 & \\
\hline Nolasees & - & - gal. & 14,816,108: & 4,987,4.58 & & \(3,732,078\)
14993,831 & \% \({ }^{\text {an }}\) \\
\hline Cotfee - & - & - 1b. & \(14,440,0.30\)
\(9,394,445\) & \(13,851,386\)
\(8,391,740\) & \(20,980,475\)
\(6,1024,593\) & \(14,993,831\)
\(4,898,729\) & \({ }^{23} 3715157\) \\
\hline Tnibacco & : & - " & 9,3949448 & 8,391,780 & 6, 687.681 & -899,665 & 3,5199569 \\
\hline Cotton : & & : "', & 166,398 & 143,861 & 34.5,910 & 1,583,187 & \\
\hline Kum & : & * \({ }^{\prime} 1\). & 349, \({ }^{\text {OHi8 }}\) & 3,092,024 & 36.3, 505 & 1, 3 34,05,5 & 2,499:56 \\
\hline
\end{tabular}

Summary Statement showing the Description and Quantities of the Exports of Porto Rico for the Year ending October 31, 1864, togcther with the Names of the Countries of Destimation


Summary Statement showing the Exports from the several Ports of the Island of Porto Rico for the Year ending October 31, 1864.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline Names of Porta whence Shipped & & Sugar & Molasses & Coffe & Tobaceo & Hides & Cotton & Rus \\
\hline San Juan or Porto Rlco Mananie and Tortuguero & - & \[
\operatorname{lif}_{17,149,99 \cdot 4}
\] & \[
\stackrel{\text { gal. }}{3 / 9,275}
\] & \[
\underset{3,167,383}{\mathrm{Ib}_{2}}
\] & \[
8 \mathrm{lb}_{6}
\] & \({ }_{328,125}^{\text {ll }}\) &  & 9, 90, \\
\hline Manante and Tortuguero Arecibo - & - & 3,686,203 & 128,712 & & 2,707, 6 , 32 & 二 & & \\
\hline Mayagucz & \(:\) & 29, 3688.005
\(91,476,392\) & 8099.289 & 5,783,686 & 13,362 & 176,318 & 251,937 & - \\
\hline Ponce - & \(:\) & 11,9.44,356 & 620,709 & \(1.780,965\)
7896 & 119,933 & 8,264 & 47\%450 & 3 \\
\hline Humacao \&e. & & 18,576,.89 & 731,110 & 12, & 49,863 & & 68,935 & 14,931 \\
\hline Guayanilla and Guanlca & & 6,903, 9198 & 115,185 & 1,030,885 & 46,461 & 8,138 & 151,283 & \\
\hline Aguadilia & & 6,325, 500 & 64,310 & 2,835 & , & 80,400 & 376,000 & 3, \(\mathrm{s}_{3}\) \\
\hline Total & . & 110,425,082 & 3,741,076 & 14,993,836 & 4,678,333 & 361, 665 & 1,535,187 & \(\frac{18}{95,16}\) \\
\hline
\end{tabular}
\&c. are raised in the island. The pasture lands in the north and east are superior to any in the West Indies for breeding and fattening cattle.

Previously to 1815, Porto Rico, being excluded from all direct intercourse with other countries excepting Old Spain, was either stationary or but slowly progressive, the entire value of the exports in that year having amounted to only 65,274 dollars. But at that epoch a royal decree appeared, which exempted the trade between Spain nnd the Spanish colonies nnd Porto Rico from all duties for 15 years; and she was then, likewise, permitted to carry on a free trade, under reasonable duties, with other countries. In consequence principally of these wise and liberal measures, but partly, also, of a considerable immigration of rich Spanish colonists from South America, Porto Rico has latterly made an extraordinary progress. Great improvements have been effected in the police and internal administration, and roads have been constructed in all parts of the island.
The island of Porto Rico, though exccedingly rich, suffers, according to the Report of Mr. Consul Cowper (Consular Reports, 1867), from the maladministration of the Spanish employés, nnd espeeially from the state of the currency. American money is current, but not legal: and home merchants are obliged, in order to pay their dues, to purchase Spanish muney at a premium of 3 or 4 per cent., while the loss on bills is no less than 8 to 12 per cent., oving to this and similar causes.
Vessels under the Spanish flag have a protective privilege in a 6 per cent, abatement of duties, and the payment of half tonnage dues.

Vessels calling should not enter the port, or they are charged all the port dues, whereas if they send a boat for information they pny only \(7 \frac{1}{2}\) dollars.

Shipping Dues \&c., on a 3-masted Vessel-it chorage dues, 2 piast. o.c.; Tonnage dc, dow 189 piast. o. c.; captain of port, medical office and military and civil authorities 26 p . 73 G stamped paper for entry and clearance \(9 p, 25\).
Every vessel in cargo or ballast masi be pr vided with 2 manifests and a bill of heath, eert fied by the Spanish Consul, or in default bp to mereliants at the port of departure.
Merchaadise imported direct is allowed a dis count of 6 per cent. on the amount of the doties In case a vessel shall have touched at an inte mediate port, she must be furnished rith 3 Spanis consular certificate, stating she has taken no ladiug,
The value of the total imports into Porto Rive in 1866 was \(1,541,0201\)., and of her expots 1,712,346l. The value of her imports from the United Kingdom in 1866 was 308,6591 , and 0 her exports to this country \(496,172 l\).
PORT PHILLLIP. [Melnourne.]
PORTS. [Harbours.]
POSTAGE and POST-OFFICE. Postant the duty or charge imposed on letters or pind conveyed by post; the Post-office being the tablisiment by which such letters or pared ato conveyed.
1. Establishment of Post-offices.-Regulirnets or couriers wero instituted at a very eally pind for the safe, regular, and speedy tranmision of public intelligence. Herodotus informs os \(\{1\) iib. viii. c. 98) that in Persia, mea and horses it the service of the monarch, were kept at certsin thations along the public roads; and that the dec spatches, being given to the first courier, were by him carried to the second, and so \(\mathrm{cp}_{1}\) with an expedition which neither soow, nor rain nop hest, nor darkness could check. A similar institution, under the name of cursus publicus, was etablished at Rome by Augustus, and was cateded and
\begin{tabular}{|c|c|}
\hline 1864 & 1665 \\
\hline 10，425，0\％5 & 157，374，183 \\
\hline 3，7．3，076 &  \\
\hline 14，993，831 & 23.41834 \\
\hline 4，698，789 & 5，399，969 \\
\hline 569，665 & 142348 \\
\hline 1，583，167 & 9，449，\({ }^{19180}\) \\
\hline
\end{tabular}
orts of Porto Rico for the untries of Destination，
\begin{tabular}{|c|c|c|}
\hline Hidea & Cotuon & Rom \(^{\text {max }}\) \\
\hline 1b． & \({ }^{16}\) & 为 \\
\hline 11，32 & 318，173 & （0，00 \\
\hline 369，775 & 261， 147 & 2，13 \\
\hline ＝ & 二 & － \\
\hline － & ב & \\
\hline 二 & こ & 2，5］5 \\
\hline 118，15s & 429，974 & 12.80 \\
\hline 359，665 & 1，574，881 & 32，\({ }^{3}\) \\
\hline
\end{tabular}

Island of Porto Rico ofor
\begin{tabular}{|c|c|c|}
\hline Hiden & Coton & Rum \\
\hline \({ }_{328,145}\) &  &  \\
\hline － & & \\
\hline 17－7，418 & \(2 \overline{1}, 937\) & － \\
\hline 6，264 & － & 14，313 \\
\hline 8，158 & 181，485 & \\
\hline \＄5，800 & 376，000 & 5，43 \\
\hline 56.4663 & 1，578，187 & 93／\({ }^{5}\) \\
\hline
\end{tabular}
on a 3－nasted Vessel－ir ist．o．c．；Tonnage dc，dut， ptain of port，medical offiex， civil authorities \(26 p\) ． 73 ci ntry aud clearance 9 p． 25 ． cargo or ballast must be po ests and a hill of health，ceribi－ Consul，or in default br（im rt of departure．
orted direct is allowed a on the amount of the doris all have touched at an inta． ist be furnished with a Spanith tating she has takennolatity total imports into Porta Riso \(1,020 l\) ．，sud of her expers lue of her imports from the a 1866 was \(308,659 \%\) ，and 1 country 406，172\％．
［Melbourne．］ ovens．
POST－OFFICE，Postag \({ }^{3}\) imposed on letters or puxu the Post－office being thea ch such lettcrs or pated 40

P Post－offices．－Requirats cituted at a very early prow ，and speedy transmisuod of Ilerodotus informs us（h． ersia，men snd hores，in the ch，were kept at certan the blic roads；and thet is to the first counies，wre by second，and so on yith an ither snow，nor ruilh ore hesth heck．A similar institution， arxus publicut，Fasexallished tus，and was extended sod
improved hy his successors．Horses and carriages were kept in readiness at the different stations along the public roads，not only for the transmis－ sion of despatches，but also for the conveyance of afficial personages，or others who had obtained an oder from authority allowing them to travel poat． By this means Government was speedily apprised of whatever took place in the remotest corners of the empire；and instructions or functionaries could be sent to，or recalled from，the most distant prorinces，with a celerity that would even now appear considerable．（Bergier，Histoire des Grands Chemins，liv，iv．c． 4 ；Bouchaud Sur la Police des Romains，pp，136－151．）
Posts appear to have been established，for the firs time，in modern Europe，in 1477，by Louis XI． They were originally intended to serve merely，as the sacient posts，for the conveyance of public depatches，and of persons travelling by authority of Govemment．Subsequently，however，private indiriduala were allowed to avail themselves of thic iastitution；and Governments，by imposing bigher duties or rates of postage on the letters and parcels sent through the post－office than are suffi－ cient to defray the expense of the establishment， hare readered it productive of a considerable resemue．Nor，when tie rates of postage are con－ foed withir due limits，or not carried so high as to form say serion？obstacle to correspondence，is thee，perhaps，a less objectionable tax．
Endiah Pcst－office．－The Post－office was not ectablished in England till the 17th century． Postmasters，indeed，existcd in mere ancient times； but their business was confined to the furmishing of post－borsea to persons who were desirous of travelling expeditiously，and to the despatching extrandinary packeta upon special occasions．In \(1635^{\circ}\) Charles I．erected a letter oftice for England and Srotland；but this extended only to a few of the principal roads，the times of carriage were un－ certain，and the postmasters on each road were required to fumish horses for the conveyance of the letters at the rate of \(2 \frac{1}{2} d\) ．per mile．This es－ toblisbment did not succeed；and at the breaking out of the civil war grent difficulty was experi－ treed in the forwarding of letters．At length a post－ofice，or establishment for the weekly con－ refarec of letters to all parts of the kingdom，was nstituted in 1649，by Mr．Edward Prideaux， Attomey－General for the Commonwealth，the immediate consequence of which was a saving to the public of \(7,000 l\) ．a－year on accouni of post－ matters，In 1657 the l＇ost－office was established marly on its present footing，and the rates of postage that were then fixed were continued till the reign of Queen Anne．（Blackstone＇s Com． book i．c．8．）
From the establishment of the Post－office by Cromall down to 1784 ，mails were eonveyed cither on horscback，or in carts made for the pur－ pose；and instead of being the most expeditious and safest conveyance，the post had become，at the latter periol，one of the slowest and most casily robbed of any in the country．In 1784 it Was usual for the diligences between London and Bath to accemplish the journey in seventeen hours， White the post took forty hours；and on other roads their rate of travelling was in about the same pmportion．In consequence of this differenca in poiat of despatch，a very grent number of letters were sent by those conveyances；the law being rery easily evaded by giving them the form of tmall parcels．
Unjer these circamstances，it occurred to Mr． doha Palmer，of Bath，afterwards Comptroller－ Gencral of the Post－office，that a very great im－ procment might be made in the eonvevance of
letters，in respect of economy as well as of speed and safety，by contracting with the proprietors of the coaches for the carriage of the mail；the latter being bound to perform the journey in a specified time，and to take a guard with the mail for its protection．Mr．Palmer＇s plan encountered much opposition，but was at length carried into effect． The consequence proved most beneficial：the use of mail coaches was extended to every part of the empire；and while the mail was conveyed in less than half the time required under the old system，the coaches by which it was conveyed afforded，by their regularity and speed，a most desirable mode of travelling．Mr．Palmer was the author of several other improvements in the economy of the Post－office；nor is there any other individual to whose exertions this department owes so much．（Macpherson＇s Hist．if Commerce， anno 1784．）

The Scotch Post－office was established on its present footing in 1710 ；but，owing to the back－ ward state of Scotland，the limited amotint of iss trade and population，and the extreme badness of the roads［RoADs］，it was very defective in most parts of the country till after the American war．In proof of this，we may mention that the first mail－coach，from London to Glasgow direct， arrived at the latter on July 7，1788．Previously to that period，the course of post from London to Glssgow was tive days；this，however，is not to be entirely ascribed to the slowness of the conveyance by horseback；for the mail came round by Edin－ burgh，and was detained there tuelve hours，or till the usual Edinburgh despatch was made up for Glasgow in the evening．

The construction of railways between most of the great towns of the empire has，within these few years，gone far to supersede the use of mail－ coaches on the principal lines of roail，and has added prodigionsly to the facilities of correspond－ ence and travelling．The journey from London to Liverpool，which had been aecomplished by the mail，when in its most improved etate，in about 20 or 22 hours，is now accomplished by railway in 3 or 10 hours；and on other roads in the same proportion．The principal expense of the Post－ office consists，however，not so much in the con－ veyance of letters from place to place，though that amounts to a very large sum，as in their pro－ vious collection，and their subsequent distribution． This necessitates the establishment of a vast number of subordinate offices in the remoter parts of the kingdom，many of which do not repay their expenses．This is particularly the case in Ireland， and in the Ilighlands and Islands of Scotland．
It does not really seem，though the contrary has been sometimes contended，that the Post－ office could be so well conducted by anyone else ns by Gover ment．It is indispensable to its sntisfactory wor＇ing that it should be conducted with the greatest regularity and precision ；and that all the departments shonld be made subser－ vient to each other，and conducted on the same plan．It is plain that such results could not be obtained in any extensive conntry otherwise than by the agency of Governcent；and the inter－ ference of the latter is also required to make nr－ rangements for the safe and speedy conveyance of letters to from，and through foreign countries．
The organisation of the lost－oflice supplies one of the most striking examples of the advantages resulting from the division and combination of employments．＇Nearly the same excrtions that are necessary to send a single letter from Falmouth to New York will send 50,000 ．If every man were to effect the transmission of his ewn corre－ spondence，the whole life of an emineat merehant
might be paneed in tenvelling whithont hia being ahile to deliver all the lethera which tha beat-nflem forwarim to hine lis n ningle ovening. I'he Inbunt



 (On I'oliticul Bisonomy.)
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And for cwory (00) milas, Irinh monaume, atome Bino milles, a further nuins of Id. Double and rublo lettorn elingrod necordlag to the natie sede of mivanea an in Fingland.
limear liurain anis limiand.
Hates of Jonstaye tiken in the Currency of tha United Kinglum, for the Iort and Conveyunce of Lethem
 in Irrlund to ciny Ithew in (irrat Mrittin.


On comparing the number of non-priviluged lettors conveyal by the general post whot tho gross amomit of pesidage, it apmars that umider tho ohd system thay paid at: average rate of mbout zal. or Thul. mach.

Cixchasive, hewever, of these mates of postage, hetlers pasted in lambon and oller harge towns for delivery in such towns, were charged \(2 d\). ench in 1.ondoni, nuld de, ench in the othor towits ill which such local poats wre establinked.

In addition, too, to the bellers on which postage was charged, all the principal otheern of tiovernment, and the members of treh tlouses of larliament, pujoyed (wither to a grenter or less extenu) the grivilege of 'franking,' or of sending nod recoiving letters hy the pest free of pestage, and this privildere wns very extensively exercised.

Post-a/fice Rrvenue,-Tho gross proalace, dedincting wercharges, of the l'ost-otlice reveline of (ireat Britnin, exclusive of Ireland, in the umbermentioned years, was-
\begin{tabular}{|c|c|c|c|}
\hline Yirse & Huty & Ypara & Duty \\
\hline &  & & \[
2,0 \times 5,780
\] \\
\hline 1783 & 2110,665 & ins. \({ }^{\text {a }}\) & 8,117,677 \\
\hline 183\% & 34.3581 & 1417 & Y, 105,994 \\
\hline 1:98 & 315,2.24 & 1N,N & y, 16, 16 s \\
\hline 1906 & 1,038,930 & 18.39 & 2, 164, 1 , 13 \\
\hline 1411 & 1,675,086 & 1 sin & 1, \(219, y \pm 1\) \\
\hline 1814 &  & \(1 \times 11\) & 1,569,1.54 \\
\hline 3\%\%)
(Ry) & 1,993,NAS & 183\% & 1,419,168 \\
\hline
\end{tabular}
'l'he progrese of the Senteh branch of the poat witien rovenue han heen quite extruordinary, II thes, Sir Rolert Situclair, of Stevensun, ladigres from William III. of ite entire produce, with a extra nllownilee of Dool, n-year, on conditiond his keepsing up the post; litt, nfter trial, he obr loneel the umblertaking as disalvantageous. b 1709 dian Scotch l'ont-otlleg revenue was wie

 chan a hamiredfishd in little moro than a centan! In 1ist the Clasgow post-otlico produced ed
 (Sturk'n Picture of Eidinburyh, p. 14tic Clami Ntufistics of Clangow; Finance Book for 1838 al \(1 \times 3: 1\); de.)
'The expenses of colleeting the Post-oficererat nmoninted, under the olid system, to from 24 w per cent. on the gruss yeceipts. In 1842, homma they nmonsted, for the United Kingdom, 1 966,7591 ., being no less than 60 per cent, at gross revelme.
Introdurtion of the New \(S_{y s t e m .-T h e i n u m ~}^{\text {a }}\) of the I'ost-oflice revenue, as evinced by befer going statements, has been very remarkable, the mustly, no donbt, to be ascribed to the inerased populntion, the diffusion of ellucation, and growing intercourse among all classes of the of munity; thongha goed deal must also be mana to the efforts made in the early part of thrm?
the jowifige ineresing alo letter for every 100
nolomare clingerd with araining more than une ading I ounce, chatged l.etleps execembing ! ats bayy be, wem chargeol for avery tomen alairo 1 nlugle rate was charge

Irink mensure, above nulum of tid. Dunhle and weororiling to the name sate mil.

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 Wrovint andive acseding in theo
III Weem

he scolch hranch of the low eent quite extruordiary, th chuir, of Steveuson, had aghes of its entire produce, with y \(3050 / \mathrm{n}\) - \(\mathrm{y}^{2}\) ear, on condition poast; but, ufier trial, he abus king ny disadvantageous b 'unt-othce revenuc was unat mmount in 183.4 was 203, nett-linving increased man in little more than a centor owv pont-ollice produced es os ill 1839 it proluced tipe E.dinburyh, p. 14t; Clelan \(\boldsymbol{w}\); F'inance Book for 1888 a
collecting the l'ost-oficerever te old system, to from 24 w us receppts, \(\ln 1842\), herem or the United Kiaghom b less than 60 per cent. ou
the New System.-The incure revenue, na crinced by ble bit has been very th the incresed fiffusion of elluention, auid se among all classes of th - good deal must alsobe slam le good deal carly part of the
 aluses that hat grown out "il the privifegin of
 mpeatedly made to the raters of poatage. Juformpanatily, however, tha latter wares, in thon "und, ramadid far beyomi their proper limita, imposing a heavy burden on the public, without any corrspuding adsantares to the revemace. This is ohs
 hasing continual atntlonary for tho 20 yenes waling pith ls:tst ; thotagh, from tho grout inerenen of poquation nud tomineme dariug that perionl, it in thious, had the rater of postage not herem so high
 anust have rapilly increasedl from thas Lorminatlon if the war lownwarin. When thio raten of fanatage anemolerate, the grentor deapitelis and mereurity of ber conveynamby pint. proyent any commiderable number of lefters being nent thirough othor chananels. liut when the rater beromes ploreranivowhan, fire example, a pumbage (as under tho late
 single letter betwewn lomion mad Yorh, of I:did,
 serions interruption in given to that liacility of intereouse which in no limportunt, at. tho name timo that in viry large propartion of the corro aponictico which in carried on in uanvoiclably firced into private chamols. It was, no donbi, attengted to prevent the transfor of letters from the poas, !y forhidling, mider heavy jrinaltien, their conveyance liy private partios. llat, им micht have been ant ciputend, thin prohilitition could not he enforecel, and hand littlo or no efliect. Consileng ing inderd, the facilitien which lavo lomg exiated for the trausminsion of lethers in paredels betiven differenal pintes of tho comintry, nad thos oppressive raten of pontres, thes wonilar is, not that tho past-olliee revenuce was nearly atatimary previnusly to \(14: 39\), but that it dlit not fall off. Although, however, the rater of pontare then xisting-amounting, na mirendy mtated. to un weage charge of about. 7 fi, or 7 bel, on nll ningle, ethen cunseyed by the geueral pont-wern very cededly too high, it ditl not Cherefure liollow that in invariahle elanger of lil., whether a letter fere convered I mile or 1,000 miles, or singly ? with 10,000 othere, was the precise chargo that buid have been imposerl. Lhat, not withetanding bis was rushing blialfibld from one extreme, or ther absurdity, (or mother, num emalnugering a rge amome of revemue without muy erpaivalent drantage, the imgenions propert, bromght lorwarel Me. Lowland Ilill, for a miform penny postane, be pail in advanes, was a, cherly adopiteal. It ust be admitted, tim, that it hand various recontenlations in its favour. I buing enlenatated to viate tromble and anve expenne to the public, it all not 'il to le fenerally neeeptalle (what rection of xation in not ?'), enpecinlly to marcane mea an. , thers having ma extonsive corresponace. So dhatht, hawever, the seloeme was far pre indelteil for its popmalarity to the oppressives of the ohl rates of posiage, than to any insice merits of its own. Llad these rates been perly reluced in 3837 or 1838 - that is, hat the tage of letters of \(\frac{1}{2} 0 \mathrm{z}\). weight passing between thand and Ireland and London been reduced to or \(6 d\). , and other letters in proportion, and cantile circulars, alvertisoments, and notices ales de. been allowed to pass umier covers open he ends at Id. or \(2 d\). each-we venture to say theclamour ferauniform penny postnge would er have made any way, But Government agh hostile to tho project, took no step enleud to stop the ngitatien in its favour. 'They ther reduced the uld rates of postage, nor ni-
compted to kivo any incronsed facilition for the
 on this, an it all tait invarinbly hapyman on mimilar

 in tho roul, somprilled ta sonemion a gruat denl mora
 all ceventa, wan dion cona in thim insmaces 'Tho cla mour for a mififorin poiny rate lovenmo han power fial to ben resinted; innl l'arlinment, whethorit warn nos inclined or not, wan ohligend tar lous ite manetion
 regolating tho duty on pestage, did not ludeed monet. that the s:harge for robiveying lethors of a givan wright. mhould in all rases lan reduced (1)

 atupe to briag then mhmper alanit with the least in oomvenlemen to nill parties. In chin viaw it gave

 hetiors miny be convoyed, aceording to tho weight af the lothers, nad mot to the nominer or lameription of their maclonares; it alas give lhem power ta nelopt much regulntions an they; might think ex-
 pend parlimmentary fronking de:
In virtue of the powers no converyed, regulntions wern imamed (naneclonest by thos Aet it is 1 Viet
 Inmil lettors, without regaril to the nomigar of an clomirem or the disinnce conveyod, provilod they


If not. excerelling of re, woight, elarged led., I wz. 2di., if wz. Bld., mal mor on, 1d, buing mided for every melditional o oz. At then outeset of thon mystem all packetn that weighed mors than it as

I. I'arlinmontary petitions mid addressen to her Majenty.
2. I'arliamentary proceellицн.
i3. Lettern mad packeta midremed to or resesives from places besomel nea.
1. Latters and packets to mad from public departinemis.
5. Deeds, if arint open, or in covers open at the: miden. 'lhey may be tied with metring and menlog, ils oriter to prevent inmasetion of the: contents; hat they muat be open at tha: sides, that it may bo neen they are entithed lat the privilege.
6. Bankers parects despotehed from landem, and apecinlly delivered at the Gemeral lowt. onlec, undor cererain rogulations.
Shit now (186:4) there are no limits to the weight, but merely to the bulk of the parcels sent by pins.
All lettere not, puid when they ners posated or despatehed are charged double the above rates ; and if the payment in nelvance be insullicient, donble tho tethecency is chargech.
All purliamentary and ofticinl fronking has been put min end to; but membern of either llouse of Parliament are entitied to receive petitions and ndIressesto her Majesty, mul petitions to Parliament, free of charge, provited such petitions and addresses be sent in covers open at the ends, and do uot exceal 32 oz. weight.
The punctual delivery of letters may be inmures] by getting them registered when posted. \(\Lambda\) fee of the, in the shape of alditional stamps of that amount, is charged for the regintration of each letter over and above the rate of postage to which it may be liable.
'lo facilitate the working of tho plan, Goventment firnish adhenive stamps of lel. \&c, each, which being pusted on letters, they are of course
delivered to those to whom they are addressed free of any further charge for postage ; and it also furnishes stamped envelopes at the low zate of 24 for \(2 \mathrm{~s} .8 d_{\mathrm{L}}\) the \(3 d\). being for the paper and manufacture. Hence, as any quantity of stamps or stamped envelopes may, in most parts of the country, be procured beforehand, the necessity that must otherwise have existed of paying the postage at the moment when letters are posted, has heen pretty generally obviated.
Such are the more prominent features of the new system; and no doubt it has the recommendationa of simplicity (if we may apply such a phrase to a uniform charge for aervices costing widely different sums) and cheapness in its favour, and has greatly facilitated correspondence. But it may, notwithstanding, bo easily shown that its adoption was most unwise. It is, no doubt, very convenient for merchants, bankers, middlemen, retail dealers, and indeed for most persons, to get letters for 1d. that previausly cost them \(7 d\). or 7hd.; but their satisfaction is not the only thing to be attenited to in forming a fair estimate of the measure. The public exigencies require that a sum of about 70 millions a year should be raised, one way or other ; and so long as we are pressed by an unreasoning necessity of this aort, it is not much to say in fayour of the repeal or dininution of any tax, that those on whom it fell with the greatest severity are delighted with the retuction. Sugar has, in England, become a necessary of life; and its consumption, to ssy the least, is quite as indispensable to the bulk of the people, and especially to the labouring classes, as the writing of letters. But would it, therefore, be a wise measure to repeal the duty on sugar, or to reduce it to 1s. per cwt.? It has been alleged, indeed, that taxes on the transmission of letters are objectionable on principle, and should therefore be repealed, independently altugetber of financial considerations. But it is easier to make an allegation of this sort than to prove it. All taxes, however imposed, if they bo cnrried (as was the casc with the old rates of postage) beyond their proper limits, are objectionable; but, provided these he not exceeded, we have yet to learn why a tax on a letter should be more objectionable than a tax on the food of the writer, or on fifty other things.

It was contended, when the plan was under discussion, that there would be no loss of revenue, and that the increase of correspondence growing out of the reduction of the postnge would be so vast as fully to balance the reluced rate of charge. But, though there has been a great incrense in the number of letters, it has fallen far short of this. Notwithstanding all thast has been sait nbout the furor scribendi, letter-writing is gencrally looked upon as a duty rnther than a pleasure; and it does not follow, when the expense of postage is reduced, that the occasions for writing letters are proportionally increased.
The nnnexed table gives the total amount of the gross and nett revenue from the Post-office, and the total cost of management, in each of the years ending December 31, 1862, 1863, and 1864:
\begin{tabular}{|c|c|c|c|}
\hline Years & Gross Revenue (affer deducting for Returned end Min-sent Letters, Overcharges \&e.) & Cost of Management & Nett Ilevenue tincluding the lostage charged on the i'ubilic Departments) \\
\hline \[
\begin{aligned}
& 1868 \\
& 186.3 \\
& 1864 \\
& \hline
\end{aligned}
\] & \[
\begin{aligned}
& \mathbf{3 , 6 3}, 589 \\
& 3,87,589 \\
& 4,109,026
\end{aligned}
\] &  & \[
\begin{aligned}
& 1,559,016 \\
& 1,79,016 \\
& 1,979,432
\end{aligned}
\] \\
\hline
\end{tabular}

These numn arefzelusive of the cost of the packet service, Which 1864.

The following is the amount, from the several sourees, of the gross revenue from the Post-office
in Great Britain and Ireland, distlnguiehing the deductiona for returned letters, overcharges the in each of the years ending December 31, 1862, 1863, and 1864:-
\begin{tabular}{|c|c|c|c|}
\hline Sources of Revanue & 1862 & 1863 & 1864 \\
\hline Sale of postage atampe hy postmasters, receivera, and & 2 & 2 & \(\varepsilon\) \\
\hline Ditto inlamand Herenue Depari* & 2,303,084 & 2,444,633 & 2,656,126 \\
\hline \({ }^{\text {ment }}\) Money for postage taken by & 703,380 & 747,475 & 767,:12 \\
\hline Monty for postage token by
country pontmasters & 129,244 & & \\
\hline Do, metropolitan postmentern
Commialon recired on & 114,785 & 109,597 & 107,797 \\
\hline money orders M (scrilentous recelpta & 1,36,934 & 141,296 & \\
\hline Mhacellentoua receipta \({ }^{\text {Posage }}\) - \({ }^{\text {arged agatrat pub-- }}\) & 14,781 & 15,930 & 11:437 \\
\hline lic departmenti & 169,367 & 142,233 & 195,839 \\
\hline Postape coliected hy poatmatiem and apents in the colonies, and foreign countries not having posial treaties with Gireat Brttaln & & & \\
\hline Pontage collected in Cireet Ariteln for credit of colonial offices not under the control of the Imperial poit office- & 142,318
40,737 & 166,285
40,099 & 178,543
40,344 \\
\hline Helance for United Kingrom & 101,581 & 126,186 & 133,011 \\
\hline Postape coltected under poastal treaties by forelen poat officen Iot Greet Britain & 187,253 & 216,891 & \\
\hline Ditto by Great Britalm for foreign poat officen & 201,883 & 216,891 & 219063 \\
\hline Belance agalnat U . 1 Singdom & 11,630 & 228,441 & 214,411 \\
\hline Totel recelpta - & & \(\frac{11,34}{3,886,71}\) & 31,451 \\
\hline Dediuctions for letters returned, min.sent, end redirected, and for overcharges and returne - & 16,897 & 12,462 & 4,182,543 \\
\hline Total grose revenue & \(\underline{\text { 3,633,589 }}\) & 3,874,299 & 6,109,046 \\
\hline
\end{tabular}

We subjoin a detailed statement of the post office expenditure in 1866 and 1867:-

Force and Expenditure.


The total gross receipt of the post-office revenue of the United Kingdom, deducting overcharges and returned letters, amounted in 1838 (before the chnnges began) to \(2,346,278 \mathrm{l}\), while the expenses of the establishment for the same year amounted to 686,768l., leaviag a nett revenue of \(1,659,510\) l. In 1867 , however, 29 yebrs after the new system had been in full operation, and the Post-office lind been converted into a great carry-
id, distinguiahing the tters, overcharges de,
ig December 31,1862,
\begin{tabular}{|c|c|c|}
\hline 82 & 1863 & 1846 \\
\hline  & \(\boldsymbol{\ell}\) & 4 \\
\hline OR4 & 2,441,693 & 2,656,426 \\
\hline (390 & 717,473 & 767,42 \\
\hline 1.241 & 187,930 & 128,787 \\
\hline 1,743 & 109,597 & 107;91 \\
\hline 1,934
1,741 & 144,295
13,936 & 131,979
17,57 \\
\hline 2,567 & 182,235 & 195,899 \\
\hline 2,518 & 166,285 & 175,543 \\
\hline 0,737 & 40,099 & 10,534 \\
\hline 11,581 & 146,186 & 135011 \\
\hline 87,253 & 216,591 & 212,963 \\
\hline 01,883 & 228,441 & 241,114 \\
\hline 11,630 & 11,547 & 31, 151 \\
\hline 50,486 & 3,886,741 & 4, 1 24, 5 \\
\hline 16,897 & 12,412 & 13,568 \\
\hline 33,389 & 3, \(\overline{8}\), 1,299 & 7,109,026 \\
\hline
\end{tabular}
\(d\) statement of the post 6 and 1867 :-
Expenditure.

\(t\) of the post-office revenue n , deducting overcharges mounted in 1838 (betiore 2,346,278L, while the exment for the same year leaving a nett revenue of wever, 29 years after the in full opcration, and the iverted into a great carry-
ing eitablishment for the conveyance of books, ics, its gross revenue amounted to only \(4,668,214 l\)., while the expeases of the establishment for the while the axpounted to \(3,246,850 l\)., leaving a nett same year amounted to \(3,240,800\)., leaving a nett
revenue of only \(1,421,3641\)., beeng no less than 288,1461, under its amount in 1838 .
Acount of the Gross and Nett Post-Office ReAcount of the Grose, 1856-1867, from the. 14 th Report of the Poutnaster-General.
\begin{tabular}{|c|c|c|c|}
\hline Yens & Total Postal Merenus & Total Cont of Post Office wervicen & Nrtt Revenue \\
\hline & 3,035,954 & \(\underset{2,43 \times, 7.3}{\boldsymbol{e}}\) & 807,229 \\
\hline 1859 & 3,193,713 & 2,570,901 & 644, 412 \\
\hline 185s & 5,241,535 & 2, 9191418 & 347.117 \\
\hline \(\underline{1899}\) & 3,461,984 & 2,9017,160 & 538.768 \\
\hline 1460 & 3,53],165 & 2,831,137 & 700,428
50.717 \\
\hline 1860 & 3,685,189 & 4,934, 0195 & 8.15,909 \\
\hline  & 3,999,455 & 2,962,151 & 1,037,404 \\
\hline \({ }_{1 \times 64}\) & 4,251,538 & 3,178,237 & 1,153, \(4 \times 61\) \\
\hline \({ }_{10}^{1865}\) & 4,443,608 & \%,941,086 & 1,4k4, 324 \\
\hline 1866 & 4,599,867
\(4,668,414\) & 3,216,454 & 1,491,364 \\
\hline
\end{tabular}

It is plain, thercfore, that the adoption of the new post-office system for a long time occasioned the sacrifice of from 238,1461 . to 600,0001 a year of revenue, as compared with the revenus of 1838 . And, considering the extraordinary progress of the country in the interval, and especielly the increase of population and commerce, the loss will immediately be seen to be very much greater-perhaps more than double that amount. And though it be true that a sacrifice of this amount might not, under other circumatances, hare been of much consequence, it is to be borne in mind that it was incurred when the revenue was already inadequate to meet the expenditure, and when, consequently, the deficiency had to be otherwise provided for, though probably in some more onerous way. We should not, however, hars thought the loss of revenue, nor even the intoduction of a uniform penny rate, a valid objection to the new plan, had there been no means other than its adoption of getting rid of the inconvenicnces attached to the old system. But such was not the case. All its defects might have been effectually obviated without any, or with but a very inconsiderable, loss of revenue. Had iranking been abolished, and the old rates of postage so reluced that the average charge might have been about \(2 \frac{1}{2} d\). or \(3 d\), a letter, the revenue would probably not have lost anything, while every really advantageous object effected by the present system would have been secured. Indeed, we see no good reason why the present rates of postage should not, and very many why they should, be doubled, or increased to \(2 d\). for a letter weighing \(\frac{1}{2} \mathrm{oz}\)., \(4 d\). for one weighing 1 oz ., and so on. We are well convinced that, were this done, and the tronblesome practice of forcing the prepayment of letters abandoned, the revenue would be nearly doubled, with little or no inconvenience to the public.
lt redounds nothing to the credit of the new system that the post-office revenne increases While it is maintained; for this must necessarily follow from the increasing population, wealth, commerce, and education of the country. The revenae would increase quite as fast under any reasonably well-contrived system; all taxes on articles in general use are aure, provided they be not excessive, to increase with every increase of population and wealth.
The abolition of franking-which, however, is in nowise connected with a penny rate of postageWas by far the least exceptionable of the alterations introduced in 1837. Franked letters were in most
instances addressed to those who could best afford to pay the expense of postage, and who in thls way escaped a burdon that fell with its full weight on their less opulent and less known neighbours.
Money Orders.-The granting of money orders at the different post-offices, for the payment of sums of \(10 l\). and under, is a very great accommodation to the public, and is very extensively resorted to. Such orders cost 3d. if for \(2 l\). or under, \(6 d\) for sums between \(2 l\). and \(5 l\)., \(9 d\). for those from \(5 l\). to \(7 l\)., and 1 s . for those from \(7 l\). to 10 l . As orders are not paid unless the parties in whose favour they are drawn, or other parties wall known to the postmaster by whom they are payable, appear to receive payment, there is no risk of the money getting into improper hands.

Despatching of Letters.-Full details as to the posting of letters in London and elsewhere may be found in the Postal Guide, published quarterly -a useful and valuable publication, to which we beg to refer. It is sufficient here to state that, speaking generally, letters may be put into the receiving-boxes of the different post-offices throughout the country at all hours of the day, and moctly, alno, of the night. The mails for particular places are made up at certain specified hours, of which public intimation is given in the Postal Guide, and letters put in alter those hours are not of courso despatched till next mail.

We abridge from the Postal Guide the following statements, viz.:-
Inland Letters.-The rates of postage on inland letters depend on weight only, and are as follows, if paid in advance:-

Letter weighing not more than 1 oz
more than
more than
and so on; ld. being charged for every additional \(\frac{1}{2}\) ounce, or fraction of \(\frac{1}{2}\) ounce.
As a general rule, the postage, if not paid in adrance, is doubled; and if the pryments in advance be insufficient, double the deficiency is charged.

Petitions and addresses to her Majesty, forwarded direct, are exempted from postage; and such petitions and addresses, and petitions to either House of Parliament, if sent to a member, are likewise exempted, provided they do not weigh more than 2 lb , and are without covers, or are in covers open at the ends.

Neu'spapers and other periodical Publicutions bearing the Newspaper Stamp.-Although the exclusive privilege of the post-office extends only to letters, nll periodical publications, ineluding newspapers, published in the United Kingdom, at intervals not exceeding 31 slays, and which bear a stamp or stamps denoting the stamp duty, may be transmitted and re-transmitted through the post within the United Kingdom free of postage under the following rules:-
\begin{tabular}{|c|c|c|}
\hline Stamps Impressed on the Publleation & Greztest Number of sheets & Greatest Superfichal
Eastent of Lethrpress on One Side \\
\hline One penny -Three-halfuence 'T'woptile & \begin{tabular}{l}
Two \\
Three \\
Four
\end{tabular} & \[
\begin{aligned}
& 2.495 \text { Inchen } \\
& 3,443 \quad \mathrm{~m} \\
& 4,590 \quad \mathrm{~m}
\end{aligned}
\] \\
\hline
\end{tabular}

No publication, or portion thereof, can pass through the post unless the stamp which it bears be of the value of \(1 d\). at least.

The title and date of the publication must be printed at the top of every page.
It must be folded in such a manner that the whole of the stamp or stamps shall be exposed to view, and be distinctly visible on the outside.

It must not be printed on pasteboard or cardboard.

It must be pested within 16 days from the date of issuc.

If these rules be infringed, tho publication will be clinged double, as an unpaid book-packet.

It must have cither no cover or be open at the ends.

It must not contain any enclosure.
It must have ne, writing or other mark therron but the name and address of the person to whom it is sent; nor anything on the cover but such nume and nddress, the printed title of the publication, and the printed name nad address of the publisher or vendor who aends it.

If the publication be addressed to any personin the place where it is posted, it is liable to a postage of \(1 d\). prepaill, or 2d. if not prepaid.

Stamped publications can also be forwariled per book post, but then the impressed stamp does not count.

Newspapers may also be sent abrond by the post-office. But the regulations and postage to which they are liable vnry so often, that it weuld be useless to mention them here.

Parliamentary Proecedings,-Printel proceedings of Parliament, without covers, or in covers open at the ends, circulate within the United Kingdam, 1 d. being charged for every \(\ddagger 1 \mathrm{l}\). or sraction of \(\& \mathrm{lb}\).

The words I'arliamentary Procecdings must be written or printed on the cover of the packet ; otherwise it is liable to the letter-rate of postage.

Prepayment when the cireulntion Is within the United Kingdom is optional; and if it be mnde in part, the difference only is charged.

Parliamentary proccedinga may be sent as books to all the colonies, and to those foreign states between which and this country there is a book post.

Book Post, including Newspupers and other periodical Publications, and also Parliamentary Pro-ceedings.-The postage is \(1 d\). for every \(\& 1 \mathrm{lb}\). or fraction of \(\frac{1}{4} \mathrm{lb}\).
The postage must be prepaid in full, by means of postage stamps.

Every packet must be sent either without a cover, or in a cover open at the ends or sides.

A book-packet may contnin any number of separate books or other publications (including printed or lithographed letters), photographs, unglazed prints, or maps, and any quantity of paper, parchment, or vellum. And the books dec. miay be bound or unbound \&c.

No book-packet to contain anything scaled or otherwise closed against inspection; nor any letter, nor any comminication of the ninture of a letter (beyonil the name of the sender), unless such letter or communication be printed.

No book-packet must exceed 2 feet in length, or 1 foot in width or depth; and if nny packet of greater dimensions be presented at a post-stlice, it will not be received.

Any packet not open at the ends or sides, or which has auy written letter or any communication of the nature of a letter written in it, or upon its cover, will be charged with the 'unpaid' letter postage.

Except that the rates of postage are higher, books can be sent to all British colonies and to the various forcign countries enumerated in the Postal Guide.

Pattern and Sample Post.-Patterns and samples may be transmitted by the inlond, colonial, and foreign posts, subject to regulations similar to those affecting the book post.

Registration.- By the prepayment of a fee of 4d., paid in stamps, any letter, newspoper, book, or other packet on which the postarg ling
heen prepinir in stanps, may be refistered to any place in the United Kingdom. The registration of a packet makes its transmission more secure ly rendering to practicable to trace it, when ine lithd, from its receipt to its delivery; nod when colonial, if not to its delivery, at least to the port of' desputch. 'Tho post-offlce does not guarautee the sula delivery of the letter.

Fior the rules and rates of registration of foreion letters, see table of coloninl and forelgn postage in the Postal Guide.

Moncy Orders.--Applicants for moncy orilers should use printed 'Application Furms,' which save time, and afford greater security than wich meswages, against mistakes. These forms are supplied gratuitously at all moncy order offices.
The commission on a money order not exceeting \(9 l\). is \(3 d\). ; \(2 l\). to \(5 l ., 6 d\). ; \(5 l\). to \(7 l ., 9 d\); and \(1 /\) to \(101 ., 1 \mathrm{~s}\).
No order is allowed to contain a fractional part of \(n\) penny.
With few exceptions, no money order is issuel unless the applicant firnish, in finli, the sumame and nt least the initial of one Christian name both of the remitter who sends the order, and the payce (or person to whom the money is to be paid) together with the remitter's address.
An order once issuod cannot be cancelled.
Money orders do not require a receipt atamp.
Payment of an order must be obtained befion the end of the second calendar month after that in which it was issued (for instance, if issued in Jamary it must be paid before the end of Mara); otherwise the order becomes lapsed, and a nem order will be necessary, for which saccond mummission wilt be charged. Persons presenting Inpsed orders are furnished with copies of a printed notice headed ' Lapsed Money Orlers,' cootining directions how to proceed. If the order be not paill before the end of the twelfth enlendar month after that in which it was issued (for instance, if issued in January, and not paid before the end of next January), all claim to the mooey is lost.
No application is entertained for compensation for alleged injury from the non-payment of 1 money order at the expected time; and after one paying a money order, by whomsoever presentel, the office is not linble to any further claim.
Money orders are issued at all money odet offices in the United Kingdom on money orda ollices in Alexandrin, Bahin, Bucnos Arres Cen. atantinople, Gibraltar, Hong Kong, Mata, Mots Video, Pernambuco, Rio Jnneiro, Shanghai, Sut, nod Yokohama, at a charge equal to threefold the commission out inlund moncy orders; and ordess money order offices in our West Indian, Nonh Amerionn, Australian, and West and South Atrican colonics, the Falkland Islands, and is lleleun, nt a charge equal to fourfold such now mission.
All necessnry information with regard lothe sailing of packets, the postage to foreigu countios \&c., may bo found in the Postal Geide, in Kellyi Pust-office Directory, nud other publications,

Local Postal Guides, price one penny, cootait: ing information special to the locality, are issued m the post-offices at Birmingham, Belfast, Bnisto, Cork, Dublin, Edinburgh, Clasgow, Leeds, Lirepool, Manchester, and Sheffield.

Offences against the Post-office,-The lams 56 lative to offences against tho post-ofice rere consolidated by the Aet I Vict. c. 36, of the mont important parts of which we subjoia an absiract,

Coutravening the Privilege of PostofficeEvery person who shall convey otherwise than of the post \(n\) letter not exempted from the exclusirt
- be regiatered to any m. 'The registration amission more secure, to trace it, when ina delivery; and when ry, at least to the port ce dues not guaraute er. f registration of fureikn 1 and forelgn postage in
ants for money orders ,lication Forma,' which ter security than verbal kes. These forms are 11 money order offices. noney order not excent. \(d . ; 5 l\), to \(7 l ., 9 d . ;\) andil.
contain a fractional part
oo money order is issuet nish, in full, the sumame \(f\) one Christian name both s the order, and the parce money is to be paid) to. r's aldress. cannot be cancelled. require in receipt stamp. - must be obtained befine calendar month after the (for instance, if issued in (for instance, of Narch); d betore the end of and a ner \(y_{\text {, for }}\) which a second camirged. Persons preseuling slised with copies of aprinted 1 Money Orders,' conainang occed. If the order be not The twelfth calcendsy mouth it was issued (for instance, \(N\), and not paid belore tho ,', all claim to the money is
ntertnined for compensation rom the non-psyment of 3 spected time; and aftet oare r, by whomsoever presentel to any further claim.
issued at all money crita Kingdom on moncy ordes , Bahin, Buenos Arrs Canr, Hong Kong, Malta, Moste Rio Jnneiro, Shanghai, Suen charge equal to threefolit th: I money orders; and orderes in our Weat Indian, Nond an, and West and Soath e Falkland lslands, and E e equal to fourfold such ont.
ormation with regard lathe he postage to fureiry coump a the Postal Geide, in Kelly , and other publicatious. des, price one penyy, cootisif cial to the locality, are issuecm Birmingham, Belast, B, Literburgh, Glasgow, Leeds, Lier nd Sheffield.
the Post-office.-The lans te against the post-otice rer Aet 1 Viet. e. 36 , of the mot which we subjoin an absitrach e Privilege of Post-0 fific-shall conver otherwise exclusitt texempted from the exdesin
decount of the Number of Letters, and of Books, Nev'apapers, and Patterns, delivered by the Postufices throughout the United Kiagrlom, und Amount of Money Orders paid, in 1865-18ti7. Extracted from 14th Report (1868) of the Postmoster-General.

privilege of the postmaster-genernl shall for every letter forfeit 51 ., and every person who shall be in the practice of so conveying letters not so excupted shall, for every week during which the practice shall be continued, forfit 1001; ; and practice serson who shall perform otherwise than by the post nny services incidental to eonvoying letters from place to place, whether by receivint, taking up, collecting, ortering, thespatching, carrying, re-carrying, or delivering a letter not exempted from thie exclusive privilege of the postmaster-general, shall forfcit for every letter post and every person who shall bo in the practice if so performing nny such incidental services shall, for every week during which the practice shall be cuntinued, forfeit 1001.; and every person who shall send a letter not excupted from the exclusive privilege of the postmaster-feneral oherwise than by the post, or shall cause a letter not so exempted to be sent or conveyed other than by post, or shall tender or teliver a letter nut so exempted in order to be sent otherwise than by post, slall forfeit for every letter \(5 \ell\); and every person who shall be in the practice of conmitting any of the aets last mentioned shanl, fot every week during which the practice shall be continued, forfeit 1001; and every person who slall make a eollection of exempred letters for the purpose of conveying or sending them otherwise than by the post, or by the post, shall furfeit for every letter 51 ; and every person who shall be in the practice of making a collection of exempted letters for either of these purposes, shall forfich, for every week during which the practice shall be continued, 1001 . And be it declared, that the term post shall herein include all post communications by land or by water (except by out-rard-bound vessels not employed by the postoftice or the Admiralty to carry post letters) ; nnd the above penalties shall be incurred whether the letter he sent singly or with anything else, or such incidental service be performed in respect to a latter either sent or to be sent singly or together with some other letter or thing; and in any prosecution for the recovery of any sucli penality the miss shall lie upon the party prosecited to nrove that the act, in respect of which the penalty is s.leged to have been incurred, was done in confonnity to the post-office laws. (Sec, 2.)

Ship Letters retained after delivering of Letters to Post-office,-Every person, being either the mastet of a vessel inwsrd-bound, or one of the officers, or one of the crew, or a passenger thereof, who shall knowingly have any letter in his possession not exempted from the privilege of the postmaster-general, after the master shall have sent any part of his ship's letters to the post-olfice, hiall forfeit for every letter 51 ; and every such prison who shall detain any such letter after demand made, either by the afficer of the customs or br a person authorisel by the postmaster-general to demand ship's letters, shall forfeit for cvery letter 101. Sec. 3.)

Penaltics on Mruaters of Ships not tuhing Letter Bags,--Every master of a vessel bound to Ceylon, the Manritius, the Last Indies, or the Cape of Good Ilupe, who shall refuse to tuke a post letter lug delivered or tendered to him by an oflicer of the post-otlico for convegance, shali forfeit \(200 l\); the 3 \& 1 Vict. c. 96 extends this penalty to the master of ceery vessel outward La and who shall refuse to take a pust letter bag delivered or tendered to him for conveyunce. And every master of a vessel who shall open a sealed letter bag, whth which he shall be intrusted for conveyance, shall forfeit 2001 ; and every master of a vessel who shall take out of a letter bag with which he shall huve been intrusted for conveyance a letter or nny other thing shall forfeit 2001 , ; and every master of a vessel who shall not duly deliver a letter bing with the contents at the post-ofice on his arrival in port, withont wifful or unavoidable delay on lis arrival, shall forfeit 2001. ; and every person to whom letters may have been intrusted by the master of a vessel to bring on shore who shall break the seal, or in any tananer wilfully open the same, shall forfeit 201.; and every master of a vessel who shall refuse or wilfully neglect to make declaration of having delivered his slifip's letters to the post-oflice, shall forfest 50l.; and every collector, comptroller, or officer of the cia; toms who is reguired by the Aet 1 Vict, c. \(3+10\) prohibit muy vessel reporting until the requisites of such Act have been complied with, who shall permit such vessel tn report before the requisitea of such Act shall have been complied with, shall forfeit 501 .; and every master of a vessel (not having been able to send lis let ters ashore previous to his arrival at the port whete the vessel is to report) who shall brenk bulk or make entry before all letters on board shall be sent to the post-oftice shall forfeit \(20 i\), ; and every master of a vessel, or ony other person on board any ship liable to the performasce of quarantine, who shall neglect or refuse to deliver to the person or persons appointed to superintend the quarantine all letters in his possession, shall forfeit 201. (Sec. 6.)
Penalties on the Carelessness of Persons engaged or employed in carrying, comveying \&.c. Letters.Every person employed to convey or deliver a post letter bag or a post letter, who shall, whilst so employed, or whilst the same shall be in his custody, care, or possession, leave a pnst letter bag or a post letter, or suffer any persun, not being the guard or person employed for that purpose, to ride in the place appointed for the guard in or upon any carriage used for the conveyance of a post letter bag or post letter, or to ride in or upon a carriage so used and not licensed to carry passengers, or upon a horse used for the conveyance on horseback of a post letter bag or a post letter, or if any anch person shall be guilty of any act of drunkenness, or of carelessness, negligence, or other misconduct, whereby the safety of a post letter bag or a post letter shall be endangered, or who shall collect or reccive, or
convey or deliver, a letter otherwise than in the ordimary romree of the poest, or who shall give any fulso information of manamit or nttempt at roblery upin him, or who shall lolter on the road or passage, or whlfinlly misspend his thene so as to retard or delay the progress or arrival of n post letter bar or a post letter, or who shall nowt use due and proper care and diligence safely to convey a post letter bur or a pest letter it the rate if epred njpoimed by nud necording to the regulations of the post-oflee for the time being, being thereof eonvicted, shali forfoit 20, (Sec. T.)

Clansea 8 to \(2 \cdot\) inclasive impose penalties on lanekny carringes pling for live opposite the general post-oiflee in London or Dublin; exempt mail conches from toll; and direct low penalties whill bo sued for
Opening or delaying Post Letters a Misdemeanor. - Eivery person employed by or umber the postotllee who shall, contrary to his duty, opert or proenro or suffer to be opened a post lettrer, or whall wilfully detain or delay, or procure ar mitler to be detalned or delayed, a post letter, simall in England and Ireland be guilty of a misdemeanor, and in Scotland of a erime and oftence, mud being convicted thereot shall suffer such punishment, by bine or imprisomment, or by both, as to the court shall seen meet: provided nlwnys, that mothing herein contained shall extend to the opening or detaining or delaying of \(n\) letter returued tor want of a true direction, or of a letter returned by reason that the person to whom the same is directed is dead or camot ho found, or shall havo refiused the same, or shall have refinsed or neglected to pay the postare thereof; nor to the opening or detaining or delnying of in post letter in obedience to an express warrant in writing under the hand (in Great lBritain) of one of the principal seeretaries of state, and in Ireland under the hand and seal of the lord-lientemant of Ireland.

Simbezzlement \&.c. of any Letter or Packet, Ie-lony.- Livery person employed under the postotlice who shall steal, or shanll for any purpose whatever embezale, secrete, or destroy a post lotter, shall in England and Iroland be guilty of felony, and in scotland of a hiph crime and offence, and shall, at the discretion of the court, either be transported beyond the sens for the term of 7 years, or be imprisoned for any term not exceeding 3 years; nud if any such post letter so stolen or cmbezzled, secreted or destroyed, shall contain therein any chattel or money whatsoever, or any valuable seeurity, every such offender shall be transported beyond the seas for life. (Sec. 26.)

Stealing Money §c. from or out of Letters, Felony.- Eivery person who shall steal from or out of a post letter any chattel or money or valuable sceurity, shall in England and Ircland be guilty of teiony, and in Scotland of a high crimo and offence, and shall bo transported beyond the seas for life.

Persons stealing Post Letter Bags \&cc, to be transported for Lifé-Every person who shall steal a post letter bag, or a post letter from a post letter bag, or shall steal a post letter from a postotice, or from an ollicer of the post-office or from a mail, or shall stop a mail with intent to rob or search the same, shall in England and Ireland be guilty of felony, and in Scotland of a high crime and vifence, and shall be transported beyond the seas for life.

Persons stealing Post Letter Bags or Post Letters to be transported for 14 Years.-Every person who shall steal or unlawfully take away a post letter bag sent by a post-ofice'packet, or who shall steal or unlawflly take a letter out of any
such bag, or who shall unlawfully open any anch nus, whall in lingland and Iroland be guilty of delony, and in scotland of a high crime and olfence, and shall bo transported beyond the seas for my term not axceeding 14 yoans.

Recelvers of Property sent by the Post, and atolen or cmbrzzlen, quilty of Felony.- Breery person who shall receive any post letter or post etter bag, or any chattel or moncy or valuable security, the atealing or taking or cmbezaling of secreting whereof shanll amount to a felony under the P'ost-onliee Acts, knowing the anme to hase been felonionsly atolen, taken, cinbezaled, of secreted, and to have been sent or intended to be sent by the prost, shall in Eughand and Ireland be fuilty of felony, and in Scotland of a bigh 'rime and offence, and may be indicted and com victed either us an accessory ufter the fact or fot n sulstantive felony, and, in the latter case whether tho primeipal felon shanll or shall not have been previonsly convicted, or shall or shal not be amenable to justice; and every such re eciver, howsocver eonvicted, shall be hable to te trunsported bryond the sens for life.
Fruwlulently retuining, "fter Delicery thereof \&c.-Livery person who shall fraudulently retain or shall wilfully secrete or keep or detain, or being required to deliver up by an ollieer of the pose otlice, shall neglect or refuse to deliver up a post letter which ought to hnvo been delivered to anp other person, or a post letter bag or post letien whiel slanll have been sent, whether the same shall hase been found by tha person secerting keeping, or det nining, or neglecting or refusing to deliver up the same, or by any other persoa, shal in Eughand and lreland be guilty of a misder meanor, and in Scotland of a crinio and ofitime and on comviction shall be liablo to be punished by line and imprisonment.
Stcaling \&c. printed Votes or Proadding in Parliament \&c.-Dvery person emplored in the post-ollice who shall steal, or slall for any purpose embezale, secrete, or destroy, or shail wilfilly detain or delay in course of conveyance of delivery thereof by the post, any printed rotes of proceedings in parliameut, or any printed nexs maper, or any other printed paper whatever, sea hy the post without covers, or in corers open a the sides, shall in linglame and Ircland be guity of a misdemeanor, and in Scotland of a cim and offence, and on conviction shall suffer sud punishment by finc or imprisonment, or both, 1 the court shall direct

Fiorging the Handwriting of the Receiver-Gm ral in Lingland or Ireland, Felony.-Ever! per son who shall knowingly and wilfully forge a counterfeit, or cause or procure to be forged a counterfoited, the name or handwriting of the recciver-general for the time being of the generu post-office in England or Ireland, or of any perm employed by or under him, to any draft, instro ment, or writing whatsoever, for or in order in the receiving or obtaining of any noney in the hsnils or custody of the governor and compur: of the bank of England or Irelapd on account 4 the receiver-general of the post-oftice, or shll forge or alter, or shall offer, utter, dispose of, \(\alpha\) put off, knowing the zame to be forged or atcerme any draft, warran'; or ordis of such neerat general, or of any person empluyed by or usia him, for money or for payment of monefy, mim intent to defraud any person whomsoever, sall be guilty of felony, and on conviction shall by trunsported beyond the seas for life.

The remaining clauses relate to the punishment of sccessaries, determine the mode in which the postage duties shall be sucd for, define terms de.

POST ENTRY
Prish Iost－0／fice．－＇The most hross and neall－ dalous abuses were long provalent in every clepart－ ment of the Irisli post－ollice．The Commissionens of licvenue Inguiry exerted themselves to abato the nuisume；lout，ns it would appent from the ae of the Duke of Richmonal before the cammittee of the llouse of Communs 16 public alaries，without mueh rffiet，Ilin（irace，how－ ever，and subsequent postnusters，have labmired with laudablo netivity and zenl to introdued something like bonesty，order，and responsibility inte this depurtment．
Leited States．－Wo muljoin an necount of the rates of postage in the thited states，under det of Congress of March 3， 18 ti3．

Mates of Domestic I＇ostoge on Lcttors．

Pouder on single．rnte letier，throughe ：the Uniten states \(\mathbf{3}\) rents for rech anditional oot．or fracilion
＂ike on＇drop＇leitera for lowal dellivery，for \(D^{*}\)
Fof exh addititonal 4 oz．or fraction）
1 be prepald ty 102.
\(\begin{array}{ll}3 & \cdots \\ 2 & \ddot{2} \\ 8 & \ddot{\prime}\end{array}\) findere on all dormatic letern numbi be prepold liy a amps．
wfully opren any such I Irelanil be guilty of of a high crime and purted buyond the seas 14 yenas． sent by the Post，and lty of Felony，－Eisery any post letter of post 1 or money or valualie taking or cunbezaliug or mount to a felony under wing the same to hase ，taken，embezaled，of en ment or intended to be In EMgland and Ireland II in Scotland of a ligh may los indieted and cono sory ufter the fact or fot nnd，in the litter case felon shall or shall not onvicted，or shall or shall stice；and every such re－ icted，shinll be liable to te sens for life．
\(m\), ，fter Delivery thereof a shall Iraudulently retion c or keep or tetain，or leing －by an otlicer of the post refuse to deliver up a post have been delivered to ang st letter bay or post letied in sent，whether the same id by the person secering， ，of neglecting or refusing to or by any other person shall tand be gullty of a misde－ and of a crinie and offime， anll be liable to be pasished ment．
cd Votes or Proseding in cry person employed in the stcal，or shail fot say pur－ te，or destroy，or shill wil－ in course of conveyance of he post，any printed votes of ament，or any printed nert printed paper whaterer，seal covers，of in covers epen covers，or Ircland be gulty and in Scotland of a crime conviction shall sutfer surd or imprisonment，or bothy 2 v
writing of the Reciver－Gm Ireland，Felony．－Every par vingly and wilfully forte of e or procure to be forged a inme or handwriting of te He time being of the genen Id or Irelaed，or of any pema der him，to any draft，nestre hatsoever，for or in order io taining of any noney in the \(f\) the governor cind compery land of Ireland on accouns is I of the post－ofice，of sil nall offer，uttcr，dispose di， e agme to be forged of detetion or oruar of such necind for payment of monet，mim any person whomgoeser， ，and on conviction shall be the seas for life． auscs relate to tho punishmend tmine the mode in rimbe l be sued for，define termesth

Rutes of Newsguyer I＇ostuge（Iomestic）．
Postage on papers to subscribers，when prepaial quarterly or yearly ：－


Weekly newspapers（one cony only）sent by the publisher to actual sulsseribers within the county where printed and published，free．
standard weight for a single rate， 4 oz，avoir－ dupxis，For ench alditional weight of 4 oz ．or fraction thercof，ans additional rate is charged．
Postage per quarter on newspnpers and periodi－ cals isned less fircquently then once a zurek，sent to actual subscribers in any part of the United States：－

over yev．and nut over

Sarrety），not ouef 4 oz．
orer \＆oz，anil not over \(\%\) oz．
oret 8 oz ，and not over 12 oz ．
\begin{tabular}{|c|c|}
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\hline －\({ }_{6}\) & ＂ \\
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Postage as above must be paid quarterly or yearly in advance，cither at the office of mailing ot delivery．
POST ENTRY．When goods are weighed or measured，and the merchant lins grot an account thereof at tho Custom－house，and tinds his cutry， already made，too small，he must make a post or aditional entry for the surplusage，in the same maner as the first was done．As a merchant is always in time，prior to the clearing of the vessel， to make his post，he should take care not to over－ enter，to avoid as well the advance，as the troulle of getting back the overplus．Llowever，if this be the case，and an over－entry has been made，and more paid or bonded for customa than the goods celly laded nmount to，the customs officer must ignify the same，upon oath made，and subscribed \(y\) the person so over－entered，that neither he，not ny other person，to his knowledge，had any of he said goods over－entered on board the said ship， r anywhere landed the same without payment custom；which oath must be attested by the ollector or deputy，who then computes the duties， ad sets down on the back of the certificate，first Fords at length，and then in figures，the several Ims to be paid．Post entries are now almost lely confined to cargoes of grain．
POTASH（Dan．potaske；Fr．potasse；Ger． otasche；Ital，sule alcali；Span．potasa；Russ． rascb）．If vegctablea be burned，the ashes criated，and the solution boiled to dryness in on ressels，the mass left belind is the potash of
commerce－the impure carhonate of potass of hemists．
It is lntensely alkaline，solith，and coloured brown by the ndmixture of as small pertion of vigetnble intammablo matter，which gemrally becomes moist．When potash is calcined in a reverberatory furnnce，the colouring matter is destroyed，it nesumes a spomgy texture，and a whitish prarly lustre；wheneo it is denominated pearl－anh．Tho latter genernlly contains from 60 to 8：1 or 8.1 per ecul．of pure carlsuate of potass．

The anthes of thoso vergetables only which grow at a distance from the sin are employed in the mambineture of potash．Werlancems plants yided the largest portion，amishimbermethan trees． It is principally manufuctured in Anseriea，Risuia， nod Polanel，thie vast forests of which furnish un in xhnustible supgly of anher．

In the yenr 1865，exclusive of nitrate de．of potainl，1di，77！ewt．of pearl nad potanh were im－ ported into the United Kingilom．Of these 113,915 cwt．were the prowluce of British Nortlo America； the remainder of the United States and France． The highest price was realised on the colonial proluce．The potash imported in 1867 conslsted of 178,619 ewt．of muriate，chielly from Hamburg， 3,012 ewt．of prussiate， \(33,214 \mathrm{cwt}\). of sulphate，and 108 ewt．of liclicomate of potanli．
Ashes from Connala have always been duty frec； but those from R⿴\zh11⿰一一⿲丶丶丶sia and the United States used to pay a duty of（is．per ewt．，which，after being reluced in 18.42 to tid．，was linally repealed in 18.65.
l＇O＇PATOLS（Ger．kartollieli：Duteh，aardap－ pelen；Fr．pommes de terre，Ital．patate，pomi de terra；Spau．patatas manchegas；Russ．jabloki nemlenier）．The mots of the Solanum taberosum， of innumerable varieties，and too well known to require any deseription．
．Mistorical Notice，－The potato，which is nt preseat to be met with everywhere in Europe， and furms a principal part of the food of a considernble proportion of its inhabitants，was entirely unknown in this quarter of the world till the latter part of the 16 th century．It is a native of America，but whether of toth divisions of that contiaent is doubtful．（Humboldt，Nouvelle Eiygegne，liv，iv．c．9．）Some anthors aftirm that it was tirst introducel into Europe by Sir John llawkins，in 1545 ；others，that it was introdnced by Sir Francis I）rake，in 1573 ；and others，ngain， that it was for the first time broupht to Fangland from Virginia，by Sir Walter Raleigh，in 1586. But this discrepancy seems to have arisen from confounding the common，or Virgiuian potato（the Solanum enberosun of linneus），with the awect potato（Convolvulus battatas）．The latter was introluced into liurone long before the former， and it seems most probable that it was the opecies brought from New Granala by Hawkins．Sweet potatoes require a warm climate，and do not succeed in this country；they were，however， imported in considernble quantities，during the 16th century，from spain and the Canarics，and were supposed to have aome rather peculiar properties．The kissing comfits of Falstaff，and suchlike confections，were principally made of battatas and cringo roots，（Sec Collins＇elaborate note to Troilus and Cressida，act v．acene 2．）On the whole，wo are inclined to think that we are really indehted for the potato（as well as for tobacco）to Sir Walter Raleigh，or the colonists planted by him in Virginia．Gcrarde，an old English botanist，mentions，in his Herbal，pub－ lished in 1597，that he had planted the potato in his garden at London about 1590 ；and that it ouc－ cecded there as well as in its native aoil，Virginia， whence he lad received it．Potatoes were at
flrat cultivated by a very fuw, and wore looked upon an a grent clelleney. In a manmeript ac:connt of the homseholil expense's of Queen Anne, wife of James l., who died in 1thls, and whish in muponed to havo bern wrillen in 1618, tho phrelianes of a very small quantity of potatoen ia mentioned at the price of 2x. per jumpi. Jhe layal Society, in 1063, recommendel the extension of their culivation, an a meama of preventhg famine, I'ruvionmly, however, to liskl, they were rained onsly int the gardens of the nobillty and gentry ; but in that year they were planted, for the tirst time, in the open tichla in Lancanhire, \(n\) comity in whllo they have long been very extensively enlifuted.
l'onatoen, it is commonly thought, were not Introdnced into Iroland till litild, whent a monll quantity was sent by Sir Walter lialoigh to bo planted in a garden on lisesestate in the virinity of Youghal. Their enltivation extenied fur more rapidly than in lingland, and has long furnished from three-lifthes to tour-tifthas of the entire fionl of the people of Ircland.

Potatoen wore not rnised in Scollmad, except in gardena, till 1728 , when they were phanted in the open tiedide liy a premon of the unme of I'rentice, a duy-labourer at Kilayth, who died at jedinburght it 1792.
'The extension of the potato cultivation has heen particularly rapid during the present reutury. The guantity that is now raised in scothand is mipposed to be from 10 to 12 times as great ns the quantity \(\mathrm{ra}^{i} \mid\) in it at the end of the American war; b it thongh the increase ill linghad has not been marly no great an int Scoiland, it has beell greater than during nuy previons period of equal duration. The increase on the Continent has bectu mimilar. l'otatios are now vory largely cultivated in France, I'russia, and Anstria: there having been devoted to their cultivation, in France, \(\mathbf{3 , 1 6 \pi}, 017\) Euglish neres, in 186: ; 1'russin, \(1,418,610\) acres, in \(18 t i 7\); nud Atastria (ex Galicia), \(1,308,148\) neres, in \(18 t i 6\). They were iniroduced into lindia towards the end of last century; and are now sucecsafully cultivated in Bengal, nald lave lieen introluced into the Madras provinces, Java, the l'hilippines, and China. Jut. the common potato docs not thrive within the tropies muless it be raised 3, toto or 4,000 feet above the level of the sca, so that it call never come into very general use in these regions. This, however, is uot the cane with the sweet potato, which has also been int roduced into tropical Asia: and with such success, that it already furms a considerable portion of the fool of the people of Java and some other countrics. So rapid an extension of the taste for, and the cultivation of, an exotic, lias no parallel in the history of Industry ; it has had, and will continue to have, the most powerful intluence over the condition of mankind. (For further details with respect to the history of the potato, see Sir F. M. Eken On the State of the Poor, vol. i. p. 508; Humbolilt, Essai sur la Yurville Eipagne, iii. 460-465, 2nd ed.; Sir Joscph Banks On the Introduction of the Pitato; Phillips's Mistory of Cultivited Vegetables, vol. ii. art. 'Potato.')
2. Influence of the Cultivotion of the Potato on the Number and Condition of the People.-I'here is a considerable diserepancy in the statements of the best authors as to the number of individuals that might be supported on an acre of land planted with potatoes, as compared with those that might he supported on an acre sown with wheat; some stating the proportion as high as aix to one, and others at only two to one. According to Mr. Arthur Young, 1 lb . of wheat is about equal in
nutritive power to 5 ll . of potatoes, Hat Mr. Newerihan, who has carefully loventignted thin
 are, mulomitediy, more thme erquivalent to I th. of brend' (Neweulhinin On the I'opulation of Ireland P. ifl0) and hian estimate is ruther above Mr, Wakelleld's. Suplowing, however, that I lb, of whent in fully equal to four Ib. of potatoes, atill the alifferesses In invour of the superior quantity on foxd derived from a given quantity of laud plantel with the lntter in very great. Aveorilleg to Mr. Young, the averare procluce of polatoes in Irelani may be taken at 82 barrels the lrish aure: which at 20 atome the lurrel, is equal to \(22,460 \mathrm{lb}\); and this befing divided by four, to bring it to the name atandard, in point of nutritive power, as wheat, givers \(6,7.10 \mathrm{ll}\). Mr. Yobing further entimates ther nverage produce of whent, by the Irishacte, an guarters; which, supposing the quater to weigh
 the molid nourishmeat affiorided by an acre of mo-
 4to, ed.) This eatimate mant, however, be somicwhat moditioct, when mplied to Great lititum: the soil of whirs, while it is better alapted to the growth of whent, is gencrnlly supposed nut to be cluite mo maituble for the potaio nos that of teland. Hhat it notwithsfanding ndmita of detnonstration. that. even here, 'an acre of potutios will foed double the number of individuniss that con he fod from "n acre of ultent.' (Goneral Rrport of sveland, vol, i, [. 571. )
It is elear, therefire, on the most moderate es timate, that the pxpulation of a potato-feding country may beconle, wher things bring above equal, tront 2 to 3 times an dense as it would be were the inhabitants ted whilly on com, Batit is exceedingly donbtful whether an increse of population, bronght about thy the subvitution of the jutato for whent, he desirable. les useas a subordinate or mubsidiary species of hool is attended with the best effecto-probiucing beth an increase of comfort and security; but there are certain circumstances insepurable from it, which would seem to opposo the most formilable obsiacles to its advantageous use as a prune artide of sabsistener. The discussion of this subject a lardly be maid properly to belong to a worked bis sort ; lont its importance may, perhaps, exense w for inaining a few observations with respect to it

It is ailmitted on all hands, that the rated wages is principally determined by the species o food made use of in a country. Now, as potatess form that species which is produced at the erer least expense, it may be fairly presumed, ongeoend grounds, that wages will be reduced to a minimum wherever the labouring classes are mainly depay dent on potatoes; and the example of traxd shows that this conclusion is as consisteat with fact as with principle. It is clear, however, the when the crop of potatocs happens to be deficien in a country thus situated, the condition of in inloabitants must be in the last degree anforto nate. During a period of scarcity, men cannot to from a low to a high level: if they would elud its pressure, they must Jcave thic dearer and rem to chenper species of food. But to those In subsist on potatoes this is not possible; they hrn already renched the lowest point in the descendin scalc. Their wages being determined by th price of the least expensive sort of food, they ca not, when it fails, buy that which is deare: that it is hardly possible for them to sueid daling a sacrifice to absolute want. The history of int land abounds, unfortunately, in exsmplea of th sort. Nothiog is more common than to see is price of potatoces in Dublin, Limerick de tise, be

1 potatoen．llat Mr ully Inveatigated thim s coul menly protatops ＂e＇puivalent to 1 H ．of＂ I＇opulation of Irelumd， e is rathef alove Mr． lowever，that I Ib．of iur Ib，of patatoes，atill the superiur quantuty ot guantity of land plantel eat．According to \(\mathrm{Mf}_{\mathrm{f}}\) ， ce of potatoes in Irelanil ce tho I rish acte：whith， equal to \(22,660 \mathrm{Jh}\) ；and \(r\) ，ta liringe it to the name tritive pewer，as wheal． uf further entimates the it，by the lrish acte，al t it，hy the quarter to weigh 41）lb．，or aloust \(\$\) part of florded liy an acre of po－ \(\mathrm{nd}, \mathrm{Ap}\) pen． \(1 \mathrm{p} .16,21\) dc． minust，however，be nome mplied，to tireat Jritain： it is better molaptel tu the nerally supposed not tu be a potnto as that of Irdand． －bulnita of demonstration．
 individuals that can be fat （General Rrport of Siot－
an the most moderate er ulation of n potatu－fceting ，other things being abut Ios ins denne as it woth be finl whally on com．bat it finl whothier an inctase of about hy the substitation of t．，be desirable．lis use as a iliary mpecies of lowl is at－ eflicets－protucing both an and security ；but here are as insepurable from it，which a the most formidable ubts． ous une as n prime article iscussion of this subject can ly to betang to a work ol this fince may，perhaps，excuse us servations with respect to in all hands，that the rated determined by the species of a country．Now，as potatues nich is producel at mene be fairly presumed，on geeen will be reducel to a niniman ing classes are maing letase and the example consisteat with le．It is clear，howevet，thes） tatoes luppens to be deficim situated，the condition of it \(e\) in the last degree uniontu riod of scarcity，men cana gh level：if they would ea ust leave the dearer and ren of food．But to those nhe this is not possible；they ard lowest point in the des of th esensive sort of food，they cta buy that which is dearef： ssible for them to avoid fallion ute want．The history of it rtunately．in examples of to nore poinmon than \＆c．rise，
Dublin，Limerick
cuse of a neareity，to bur 6 timex thoir orilimery

 omasions，that the griee of rors is materially aflected，or flint nuy leas quantity thom usimal is asmarted to limghatril．
It may lan andid，prodinge，that，lind putaten＇w not．
 bise heen the lowest aprecias of linal；innd lint，
 wald bave ber＇l as deatituto ns if they had berelt

 wheat，or aty mpecios at srain，herare to the proor of hutehers＂＂meat，ten，buer dor，is nlways de－ cijetly greater than tho jroportions which the price if potatoes bonrs to theso artioles；nat it fherefure follows，that a peoplo who have alloperd wheat，of any npecjes of corn，for tho pritucipal pat of thelr food，wro mush bettor able to maks areasional purelatases of butchores＇ment der，；nul will，consequently，he moro likely to lative their babits elevated，mo no to eonsider the consmmption of a cestain quantity of nuimel fool der as in－ dispensable to oxistence．Aul hesien it nppenrs reasmable to conclude，that a people who clicilly subsist on corn wonld，In most cases，sulosimat． partially on butehers＇meat，and woulal enjoy a ctater of less qumutity of other articles；so that is would be postible for them，in a perlod of sareity，tu make nuch retrencliments as woulil enabte then to clinde the severity of its presmure．
Hot，though the population in corn－feceling countries were depmement on the chenpest specices of main，not for a praft only，hut for tho whale of theif fool，their situntion would，notwithatnuling， be less hazardous thin that of a population sub－ sisting wholly on potntoes．
In the first plare，owing to the imposmibility，as ta all practical purposes at lenst，of preserving potatoes，the surplis produce of a luxuriant ctop cannot be atored up or reserved ns a stock to meet any subsequent hearcity．The whole erop mut necessarily be exhnustel in a single year； so that，when the inhabitants have the misfortune to beoretaken by n senreity，its pressure cannot be allevinted，ns in nlmost minformily tho case in cum－feding countries，by bringing tho reserves of former harvests to mnrket．Pivery yenr is thes left io provide subsistence for itself．When， on the one hand，the crop is lusurinut，the sur－ phas in of comphatively little use，and is wasteal unprofitably；and when，on the other hant， it is defieient，famine and diseaso necessarily prevail．
th the second place，the general opinion seems to le，that the variations in the qumntities of produce obtained from land planted with potatoes are greater than the variations in the quantities of produce obtnined from land on whiel，whent，of any other species of grain，is raised．
dad lastly，owing to the great bulk and weight of potatoes and the difficulty of preserving then on shiphoard，the expense of couveying them fom one country to noother is so very great， that a reareity can never be materinlly relieved fimporting them from abroad．In consequence， tinse who chiefly depend on potntoes are practi－ ally excluded from particijating in the benevo－ eat provision made by nature for equnlising the anations in the harvest of particnlar countries f means of commerce，nud nee thrown almost thally on their own resources．
Hie should，therefore，be warrnnted in conclud－ the even thingh we were not possessed of any di－ the evidence on the subject，from the circunstnuce The potato being a crop that cnanot be kept
on hand，fromit it matnrnl theklenems，nmilfon fin inenpheity of importing it wherl mitliesent，or of sxporting it when in＂xeess，that the omeillations in ite price mast be serenter thun in the piece of wheat；mal such，In point of fuet，is the cmase． ＇l＇he omillation in wheat．is thonght frome whent its priere is domhlosif biti in a seareo year thas potatn is not unfrogurnily sir times an dene lis in＂ןlantitul unc．（Minutes of Brinlonee taken byfirre the digricnltural（＇ommitter of \(1 \times 21, \mid 1,212\). And the comporatively frepurnt recurfones of wrafrities itn Irelame，and the dextitulion numl misefy in whioh they Involve the jwandation， athord but too eonvincing jromfor of the ase urney of what has now beon minterl．
 tho well－buing of every penjle，moll to their pros turtion in yenrs of menreity，that they mhonlal not subsiat primeipally on the juinto．In thls conn－ Iry，the pressing of a seareity is cymbed by ro－ sorting to infrrior mrecies of food，such nos pota－ tooss，nuil a lower standarid of eomfort；but if our people wore linbitually fod un the potnto，this wonjl be impracticabile．＇The chances of famine woulal thus be vastly incronseal；while，owing to thas low value of the poisto na conigenred with most other things，the Inhourers womld have less elanace of preserving or anduiring a taste for nuinal foul，or ot lier neeressarien nind lisurles；aul，consequintly，of changing at any future perion their actial conditlon for a better．

It in not easy to form any very nceurate esti－ mato of the protit and loss attembing the cirltivi－ tion of potatoes to the furmor，as comparied with other erops．This ls a print an to which the Ntatimmontr of those best qualithed to give an opinion differ very eonsiderably，Mr．Laudon says，＂l＇hey require a great deal of manioro from the furmer；while，generully spenking，litilo is returned liy them；they are a bulky，unlanuly articlo，troublewomo in the lifting nud enrrying processes，und interfering with tho seed neason of whent－tho most important one to the farmur． After all，from particulnr circumstances，they connot be venled miless when mised in the vi－ cinity of Infgo towns；hence they are，in most respects，an unprofitable article to the ngrictil－ turist．＇l＇o hini，the renl criterion is the protit which potatoes will return in fecling beasts ；nall here we alprehend the result will－be alfogrether in favonr of turnips and rutaberfa，as the most protitable noticles for that purpose：＇

It seems dillicult to reconcile this statement with the rapial progress of the potnto enltivation： but those who asseut to what hus been previonsly alvanced with respect to the mischiovous conse－ yrences that arise from the manss of the population becoming dependont on the potato as a principal nrticle of food，will not regret though it should turn ouf to be necurate．
Dr，Colquhom extimatel the entire value of the potatoes annunlly consumed in（irent Iritain nud Ireland，at the close of the war（cntled 1815），at sixteen millions sterling．But it is neealless to sny thint thare nre no mnterinls by which to form an extimate of this sort with any pretensions to nceuracy．I＇heone inquestion has been suspected， like most of those pilt forth by the same learned person，of exngfreration ：and we ineline to think that，had he extimated the value of the yearly produce of potatoes in the empire at tuchere millions， he would have been nearer the ma：k．But on a proint of this sort it is not possible to spreak with nuything like confidence．

In 1867，we imported \(1,374,223 \mathrm{cwt}\) of pota－ toes，chictly from France und Holland，valued at

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 acrem invoted to that ernp.


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 NいUK.


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 quanly upplial to kold mal silver. Wir linse


 (o) thior mipply mad somanimption.


 Hinturioul layniry into the Probluction ame fion. sumptions of the I'rocionn Jifula, ill which he

 from being mo lenrmed, completa, wratinctory as might have hors ex weeted, this woth ronditith it gomal deal of valualle intormation, and deserves
 wach mingitios. llut within tho lnat right or trol venrs the suljewt has neguired ant interrest antil mingortance with whide it was not previonsly inverntiol.
 covery of Xuthericn by far the gremers part of the nipplien of gohd anil nilvor have been derived from that edmineme. I'revlonsly to the publication of !lmmboldt'n garent work, Bhani politique
 of them tramed by lindividuals of great intelligence, wore in cirenlation, of the quantities of gold and ailver lmported from Amerien. They, hinwever, difiered widely from eneh other, and wire nll framed from comparatively limited sources of linformation. 11 inmbollt. (kisnai wir lit NowrelleBapergne, temes iii. p. 412) brought these retimates together as follown:-

IVIGGIOIIN MROMAA
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\hline Naviria & 15181517 &  \\
\hline limenal & 11181784 &  \\
\hline H1, wriwit & 10118179 & П, фих! \\
\hline Nerbry & 1789 1717 &  \\
\hline T'lies anithur ar toi Wo. & 1isi (mat &  \\
\hline \begin{tabular}{l}
eherih. atur blitun \\

\end{tabular} & 109189\% & 4,973,1901, \(\square_{1}\) \\
\hline
\end{tabular}

 Ilmbluhlt himestf. I'his illoskiomes travillor,
 written ons thes sulyert, noth having realy aceew to allhiat monsorem "it bifurmation maknowin to the writure alromaly allinhel the, whe well wrew in the thoury and priathere of mining, mod eritioaly es
 was, therefore, incompurably hetler qualified fir forming eorred comilusinas as to the past and proselot prahlactivemess of the mitura than any of

 Keration: mal wo bacline lo think that thate are

 ancoubse of the pirutios bushe loy mining, and of tho extent to which the sipplies uf the prations unetals may be inervasesl. hat ilis criticiomap plios, if il inl, in a vory inferior charee, to the
 diew of thes mines, anit the expmets ti Fiurupe. Aul makhig every nlownme for the inmerfetion inneparnble from sinch invertigutions, it is sill true that tha shatements in queration, and the enquiries on which they are fiominted, nre anomeg the mont valunhle conibributions that have bera made lo atatint ienl ncience.

 pilew of the prechous metala derived from Auefita have been as follow:-


The following in Ilimbolate's matimate of the niminal prodiuro of the mines of the New Wod at the begiming of the present ceutury:-
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[b]{2}{*}{I'olitical Itivalana}} & & \multicolumn{2}{|c|}{tiold} & \multicolumn{2}{|c|}{silver} & \multirow[b]{2}{*}{Italue of the fiod and siliee in Idib} \\
\hline & & & Matra of Cantle & Kilogn. & Amares of Casile & KJlaks. & \\
\hline Vire-roynlty of Nrw Rpaiss : & & - & 7,0¢) & 1,609 & 8, \(\mathbf{8 , 8 , 8 9 \% 1}\) & S377,518 & 73,00, 0104 \\
\hline Vire-raynly if Jrera & : & : &  & \%, iny & 611, 1941 & 110,478
\(6, N 77\) &  \\
\hline Vicmbovily of Jummen Aym & - & - & (y, \(\mathbf{y}\) (1) & \({ }^{2} 810\) & 4Ni, 4.00 & 10,761 & 4,0000 \\
\hline Vice.voynlly of New liranadia & & & Y0, 9115 & 4,711 & & - &  \\
\hline litatll - Tatal & . & - & (M! (HN)
\[
3.5 .219
\] & 6,5,3
\(-1 i, y \% 1\) &  & 5\%\%. 3 Ml & 4. \(2 \times 10,401\) \\
\hline
\end{tabular}

Taking the mollar at 4s. \(6 d_{\text {, }}\) this would give \(9,666,000\). as the total ammal produce of the American mines. llumbolit furlher estimated the ammal produce of the buropenn mines of Hangary, Saxony de., and those of Northern Asia, at the anme period at aloont \(1,000,000\). more, making in round numbers their cutire produce nearly \(11,000,000\).

The quantity of gold proluced in America at the begiming of the century was to the quantity of silver as 1 to 46 ; in Europe the proportions wero as 1 to 40. The ealue of equal quantities of grold and silver was then in the proportion of 15 or 158 to 1 .

From 1800 to 1810 the yield of the Ampric mines continael to increase; nad their prolow and that of the European and Russian anines mete then probably rat her abovo than below 11 , 800,0 , But in the list-mentioned rear the contest beex which terminated in the dissolution of the a nection between Spain and her American colvani The convulsions and insecurity arising out of th strughte-the pruscription of the ofld Sparis families, to whom the mines principally belonge who repaired, with the wrecks of their forture some to Cubn, some to Spaiu, snd some to Bo dealix and the south of France-caused abandomment of severnl of the mines, and
cetrinerfinary falling off in the anomus of their prambere. There wre no monen of entimating the
 Sand who vollected and emblarem all thot




 century. (lacols, it, elliz.)
It has, howewer, beell milloweyt that davols rather exagerabiol the falling off. And, int nlt

 after the pulilication in his work (15:1t).
It aprara trom the tictarna meat home lig the llitionh sumsulv, llant the coitugs of polit mat midet in the Moxican mints manomatol in \(\mid \mathrm{NI} / \mathrm{i}\)
 and, werording 10 Mr , Sucervelary of Largation

 pirt of Jinly III, INtiא.) lliot it is wall komown

 brought to tlow mints to low rointod. I'akings
 be very wide of the mark it we extinnate lhe


 And, nowithambing the anorelig that has romtinued to prevail in the enolitry, there has ont
 interval.


 v'minis jwrius).
'I'he produre of Ibo Ihilivian minnen is namally
 I'r.in.








 cilleer parte of Americh, dillier very widely; and



 give for

hurh ina






 sulgain mence of its prinelpul pritions.

 of fould in Califiania; the latter, I'wo Yrers after the Dineonery.

: Euchive of China and Japans, which produce large quanities of gild and aliver, the amount of which in quite unknown to Europeant.
'The quanlities of goll and silver producel at de under-mentioned reochs were:-
In tyol the quamity of pure gold produced in merica was \(46,33111\). ; in liurope and Norlhern sia (exelusive of China and Japan), 4,916 1 L .: tal peotuce, \(\mathbf{i l}, 2+\bar{i} \quad 1 \mathrm{~L} .=55,910 \mathrm{1b}\). Britislı sadard guld \(=2,612,2001\).
'la Istit the quantity of pure gold produced in merica was \(25,503 \mathrm{lb}\).; in Furope, Afrien, and us (exclusive of Clima and Japmin), 89,17 1 lb . ; pal prodace, 114 , \(1774 \mathrm{lb},=125,108 \mathrm{lb}\). Britivil malard yold \(=5.846,77: 1\).
'In 1800 the quantity of pure gola proinced in

America was 261,731 ll . ; in Europe, Afrien, and Asia (excluvive of Chima and Jupani), \(101,219 \mathrm{lb}\).; lolal proluce, \(3155,950115 .=399,247 \mathrm{lb}\). Hritiah ntandard crold \(=18,654,32 \cdot 2 /\).

The above quantities nee probally less than the actual production. The duties on prold in Russia on the profluce of the private mines are henvy, varying from 12 to 24 per cent.; in Anstria they amonnt to 10 per cent, in llazal to per cent., and are umelerstood to lead to a great deat of smugeling. In other comotries, such as the United States, where there are no duties, the gold and silver stated in the table are only the
guantities lorought to the mints to be coined, there being wo means of determining the g!antity used in jewellery and ofler arts and mumbfacture.' 'The tlesed duties on silver in Mexico wero (in 1867) above 17t per ernt.

It in, perhaps, unnecessary to observe that all inseatigations into matrers of this sort are liable to be aflieted by so many sources of eror, that even when they are most skidially mod cantionsly comblusted their results are not nlways to be tepented on. But speaking penctally, we are disposed to think that the formoing estimates aro ruther whithin than beyond the mark. And it is worthy of notice that they do not differ much from llumboldt's estimate ( \(43,300,000\) dols.) of the proluce of the Ainerican mines at the beginning of this century.

Russita Min's.-Snall supplies of the precions metals have for a lemgthened period bern obtamed from Ruswia. But sime 1830 , amd more especially since 18.10, the prodace of the liassinn mines ond washings, but jriucipully the latter, has been
rapidiy and hargely insreased. Thas the promen of fold trom the siberian washings and the mines of the "Iral, which mominted (ateroring to the oflicial returns) to \(: 5, \times 75\) kilog. in \(18: 6\), ham in areased in 18.40 to 8,730 kilog., and in 1817 in 27,362 kilog. Since then, however, lle frombere bns rather finlen off; and during the 3 yems
 to only 2:3ise kilog. a-yeur. (Utreschlonfl, th lor et de l drgent rte, i. 170. The author wisa fonncillor of state in the nervice of the fizn Formerly the value of the silver supplied by hassia greatly excecded that of the groll ; buit sime 1 1830 this has not been the case; fur while the produce of goll has been so very greatly inerened that of silver has varied hut litile (froin \(1 \overline{7}, 0,9)\) to 18,000 kilug. a-yeur), so that the value of the finmer is now abont twenty times that of the later The following table, exirncted from the work of M. Otreselikoil, is fonmeded on official returns, an gives a view of the production of the prectas gives n view of the protuetion o
metals in liossia down to 1855:--

Acconat of the Quentity and J"ulue of the Precions Metals produced in Russia from 1810 to lnain.
\begin{tabular}{|c|c|c|c|c|c|}
\hline Years & \multicolumn{2}{|c|}{Gold} & \multicolumn{2}{|c|}{Silver} & Annual derse of'lotad l'roduce \\
\hline & tlog. & francs & kilog. & trancs & \\
\hline 1810 to 182\% & 16, 等: & 51, 4, 30, 3148 & 189,149 & 42,067,4811 &  \\
\hline 1823 & \({ }^{231,543}\) &  & +13.26\% &  & 3 3, \%rivers \\
\hline 18.51 185 & 92,185 & 20, & & 1.5,2015,210 &  \\
\hline Totals - & +15,610 & , \(386,516,764\) & 761.836 & 16,7,814,0.6 & \\
\hline
\end{tabular}

The Russian authorities have ascribed the falling off in the protuce of the mines and washings since 18.17 to the exhanstion of the deposits and the unskilfulness of those engrged in the business. But though this be most probably the case to some extent, it is believed that it has been in part also ocensioned by the heavy taxes imposed on the gold raised by private parties. These vary in amount, aecording to the prodactiveness of the mines and washings, from about 12 to \(2 \cdot 1\) or 25 per cent., and are most oppressive.

While, however, it may be fairly assumed that these heavy duties have tended to lessen the produce of gold, there can be little donbt that their principal effect has been to defeat themselves by tempting the parties concerned to ndopt every means for their evasion, which the notorious corruption of the revenue oflicers remders an easy matter. And in addition to the intluence of these cireumstances over the private mines, the depredations and carelessness of the parties employed to work the crown mines tel quite as mueli on their prodnce; so that we need not be surprised that it has been doubted whether from a third to at half, or more, of the fold furnished by the Rinssian mines and washings be not omitted in the official returns. llut, taking the deticit at a fourth part only, and supposing the oflicial produce of the washings and mines to amount int present (1869) to about \(70,000,000 \mathrm{fr}\) a-year, the real produce would be equal to \(87, \mathrm{E}^{\circ} \cdot \mathrm{J}, 000 \mathrm{fr}\), , o1 " \(900,000 \mathrm{l}\) sterling. It is said that the Russian Govenoment intend to throw open the crown mines and washings to the public, and at the same time to make a large reduction in the duties on the produce obtained from the private mines. This would be sound policy; and if it be alopted, a considerable inerease in the supplies of gold and silver may be anticipatel.
p'roduce of Gold and Silver in other parts of Ehrope. -It might have been supposed that the late extraordintiry intlux of the precions metals from California and Austrahia wonld have given a serious eheck to their production in Europe : such, however, has not been the ease, but ou the contrary
it has considerably inereased within the lasten or twelve years.

Lead ore always contains a greater or lest quantity of silver; and when tho value of the latter is sullicient to repay the expense. it is usual to extract it by means of the proces of 'refining.' This process has haterty been much improved, and is now protitably applied to ores to which it was formerly unsuitable. And as silver in Eurupe is mostly obtained fron lad, this has been a principal source of its late increase.

In 1845 some rich mines of argentiferous leal were aliscovered in the provinces of Nureia and Granala in Spain, not far from Alicant; the yiold ot siver from which, and the mines in other parts of the peninsula, is believed to amonnt o 500,0001 . or \(600,000 \mathrm{l}\). a-year. The proluce of tie Austrian and German gold and silver mines has also increased; those of Austria alone, in l8\%', being valned at upwards of \(6,100,000\) thrise of which Ilungary and Transylvania contributa 98 per cent., and small quantities are furmishe by Italy, France, Sweden, and other parts of ibe Continent.
The reader may perhaps be surprisel to lean that, in consequence principally of the imparel process of retining already referred to, no fertit than 805,394 oz. of siker, worth 215,4001 , wer obtained from lead in the United Kiugdom in \(188^{\circ}\). During 1866 we imported 5,495 tons silver ore mostly from Chili, which were valued at \(9, j, 3\) 然 and in 1867, 3,393 tons. This, however, is to be reckoned in the produce of Chili rather than d Enghand.
The total production of the precious metalsin Europe, exclusive of Russia, may be roughly eid mated to have amounted in \(1866^{6}\) to 1 , 40 , did. at \(1,500,0401\).

On the whole, therefore, it may reasuablr be concluded that the aggregate production of the precions metals (excluding the produe of the Culifornian and Austratian gold tields) in Amer:a Asiatic Russia, and Etarope in 1806, amouted to about \(15,000,000 l\), viz. :-
cl. Thes the promen vashings and the ming ated (according to the kilug. in 18:th, hal in kilog., ami in \(1 \times 17\) tu - however, the proulare in during the 33 yeary iverage vield anument - car. (i)treschkulf, ble 170. 'The futhor was a - service of the ('zart) esilver supplied by Rus: of the gothl ; but since the case; for while tle so very greatly ingreasd, hut litile (froun \(\overline{5}, 10) 9\) to that the value of the fur, times that of the latter. tracted trom the work of ed on othicial returns, and oduction of the preciss, o \(1855:-\)

Iessic from 1810 to 1 nitio.
Annual denger
of lotal Prowice



creased within the has ten
ontains n greater or lexs and when the value of at to repay the espense. it by means of the process process has laterty ben is now prolitably applied is formerly unsuitable, And mostly obtained foon lead, rincipal source of its late
mines of argentiferous leat he provinces of Jurcia ant he far from Alicant ; the vied h , and the mines in other la, is beliered to anount to a-year. The produce of tie an gold and solver mines has e of Austria alone, in \(180^{\circ}\) owaris of \(6,100,000\) tlorith, and I'ransylvania contributed anll quantities are furnisbe eden, and other parts of the
erhaps be surprised to leant principally of the improid already reterred to, no fente silver, worth \(215,4000\). , wete the United Kiugdumin 180 ported 5,495 tons siver ora fich were valued at 2 20, 3 , 9 然: ons. This, however, is to te duce of Chili rather than of
ion of the precions metalis Russia, may be roughly exanted in 1866 to 1 , dou, GiNat
crefore, it may reasonably be aggregate production of the xcluding the produee of the (tralian gold tields) in Anerimu Eirope in 1866, amounted t: viz.:-

Anale thusila
Eurvere Tutal.

 \(1,361,140\)
\(15,140,0.0\)

Ind derlucting from this sum the total estimated - luce of the same countries in |80\%, when tho haerican mines lad attained the maximmon of beir prodnetiveness previonsly to the revoltuionor disturbances ( \(12,500,000 \%\) ), there is an inrase ot \(2,6000,0006\).
In ublition to the supplies of the pricions metals alrendy spectited, furiber quantities aro applied by Chimat and other parts of Asia, Jupan, be Eastern Archipelago de., amb also by varions ints of Africa. 'I'here is, however, no anthentic emotion in rerard to this produce; and excopting small supplics of golld dust brought from wime parts of the Alicien const, the ballion of the combtries referred to lias but little insluence in the markets of the civilised world. M. ()treselwff estimates, or rather conjectures, that the proluce of gold and silver in Asia (exchasive of Rasia), the Lastern Arehigelago, (Eceninica dic. anounted, at an avorage of tho four years
 a-vear, and that of \(\Lambda\) frien to \(13,120,137 \pm\) tic (inm,i00l.) a-ycar. (De l'Or ct rle l'dryent etc. i, \(2 \times 7,293\).
Suphlis' of Gohl from Californiz and Austrulia. 'The gold in these regions is found in the débris of the quartz rocks in which it has been entbedded, and in the rocks thenselves, In the formet cose it is found in the hollows to which it has edncuried down by rains or streans. at ififerent lepths, sumetimes in graius or flakes, and someines in lumps or nuggets of vary ing Unt oceasiom ally very cousiderable maguitude. (iohl may be ought or duy for (hence digyings) either by singte asweiated individuals ; but wlen (uarty rock is crushed to obtain gold, expensive machinery is usually employed, and the work is for the most part carried on by companies. The busimess of the diggiugs has very mated of the character of a lotery, with mony blanks and a fow large prizes; but in the crusling of quart\% the returns are les irregular, and the bisimess partakes more of the character of an ordinary branch of industr".
The C'alifomian deposits were discovered late ia Say or carly in Jume 18.18 ; and notwitlastanding the remoteness of the country, and the fact of its being almost destitute of miabitants, above \(\mathbf{3}, 000\) persons were attracted to the spot by the ead of the season, who are said to have realised abore \(1,000,0001\), sterling. The news of the discovery and of the unexampled richness of the gold-tields having spread on all sides with electrical rapidity, oceasioned an extruorilinary influx of immigrants from most parts of the world into California. 'lhe supplies of gold attained to an unexamiled magnitude; cities rose in the wilderness as if by enchantment; the great bay of San Franciseo, which had hitherto been entirely teserted, was crowiled with ships and steamers frou the most distant countries; and California speedily beeame one of the States of the Union, and had in 1860 a jopulation of 305,439 .
But here, as elsewhere, we have to regret the Bant of accurate information in regard to the projuction of gold, lt appears, however, from Mr. Consul Booker's Report, that during the years 1866 and 1867 trcasure of the value of \(8,402,830 l\). and 8,335,250l. was shipped from San Francisco. Arain, Mr. Booker states that the receipts of foud and silver from the interior of California and the neighbouring State of Nevada amounted to \(8,73,0001\). , and by sea from the northern parts if Califoniti, Oregon, and 'lerritories of Washing-
 gold nud silver the prombere of ('alifornita and the: aljouming States of Oregon nod Nevala, atul the 'Lerritories of Wrashington, lilaho, and Slomiam,
 worth received from Itriting (Dolumbin mul Aexico, I'ho portion receivel from Nevada, valued at \(3,6010,0000\)., consist and mandy of the produce of the silver-bearing losles of that siate. (Mr. (Gonsul lBooker's Ripurts for I 8GG amd 18tia.) And, in addition to thesequantities, largenmonnts, of which mo acoont is taken, are conveyed awny by parties returning 10 Mexico, to the Jiastorin States, linrone, and Chima. Of these varions istimmes have beern mate; but the provalent opinion in the best informed ipurters secons to be that, when they are inchnded, mul allowance is also made for the quantity retained nt home, tho total yield of gold in Californin in 1 slifs and 18107 may be moderatily reckoned at \(60,000,000\) dels., or \(12,000,000)\), at an average,

Hut vast as it certainly is, this protuction las been eyparled and sometimes surpassed by that of Australia. 'Ihe deposits in the latter were not liscorered till 1851 , und they wate so very rich, and the influx of immigrants so extraordinary, that the fold tielids of Victoria only are estimatid to have produced in 18 sit mo fewer than \(4,247,152\) oz. ; which, at the then price of 708 . per oz., gives a gross amount of \(14,80 i l, 794 l\). This, however, lus been the maximmm amount of production hitherto attained. In \(18 \overline{5} 8\) the same gold tielils furnished only \(2,421,461\) oz. Accoriling to the enrefinly compiled and valuable returns of 引r Kholl of Melbourne, the videld of gold in Victoria from \(185^{2}\) to 1858 was as follows, viz.:-
\begin{tabular}{|c|c|c|c|c|c|}
\hline Yeara & Ascertanmed (buncen & Varecorlerl © Bunce: & Tutal Ouncea & \[
\begin{aligned}
& \text { I'rike } \\
& \text { over } \\
& \text { funce }
\end{aligned}
\] & Value \\
\hline 18.52 & 3,159,322 & 1,0188,325 & 4,917,1.52 & \%ii & \[
\underset{11, \text { Mati, }, \underline{f}}{\mathcal{E}}
\] \\
\hline 14.53 & \(2,274,152\) & ( \(\mathbf{1 6} 16,199\) & 3,1090,312 & \% &  \\
\hline 1835 & 1, N31,134 & \(3 \mathrm{fil}, 264\) & 2,192,609 & m1) &  \\
\hline 145:\% & 2,231,296 & Fen, wit & 2.961.0173 & A11 & 11,4.6,296 \\
\hline 18.56 & 2,5,31, 393 &  &  & su & 14,151,142 \\
\hline 19.67 & 2, 311,117 & 269,493 & 20, 2100110 & N10 & 10,44,168 \\
\hline 185\% & 4,23,3,117 & [6x,311 & \(2.421,161\) & 40 & 9,685,841) \\
\hline
\end{tabular}

The following table, from the Emigration Cirembar of 18t8, shows the gmantity of gold obtained in Victuria from 1859 to June 30, 1866 :-
\begin{tabular}{|c|c|c|c|}
\hline Yeara & l'er Eisort & Exported & Value at Sios. per uz. \\
\hline 1899 & \[
2,2412,1112
\] & \[
2,294,950
\] & \[
\underset{9,12.1,500}{\boldsymbol{E}}
\] \\
\hline 1860 &  & 2,1sti, 1 (n) & 8, \(8.26,6,10\) \\
\hline \(1 \times \mathrm{fit}\) & 1,432, \({ }^{4} 87\) & 1,967,121) & 7, \(\mathbf{1 6}^{4} 4,4,414\) \\
\hline \(1{ }^{1 / 2}\) & 1,5210, 14 & 1,634,207 & 6,6,32, \(2 \times 2 \mathrm{~N}\) \\
\hline inf. 3 & 1,120,302 & 1,6260,67x & \(6,507,148\) \\
\hline 1864* & - & 1,541,691 & 6, \(7 \mathrm{7}, 78\) \\
\hline 1965 & - & 1,543,4191 & \(6.175,214\) \\
\hline 1866 & & 1,179,191 & 5,916,776 \\
\hline
\end{tabular}
he eocorts from Cantiomaine, sandhurat, and Hallarat were arriving in on March 31, 1 \$64, abul ance that date the only escoris rriving in Methourne are those from the isechworth and Wood'a
l'oints Shatricts: therefure, the returias teing incomplete are omilted.

In addition to the gold oltained from Victoria, a supply which in \(18: 52\) amounted to \(3,600,000 t\). was obtained from the Sydney or New South Wales district. The produce from this source. however, declined for several yeurs. The annual value of the exports from New South Wales averaged in the 4 years ending with \(1867,2,500,000 l\)., while the valne of the exports from New Zealand exceeded 2,000,000l, in each of 1862 and 1863, the 2 years immediately following the discovery of the Otago mines.
The following is an estimate of the production of gold and silver throughout [1. world in 1866, extracted from Ross and Browne's Reports to Congress on the Mineral Resources "f the United States :-


We incline to think that the proluce of America, Australia, and Siberia is over-estimated in this statement, and would offer the following as a more approximate estimate of tho entire produce of the precious metals in ditlerent parts of the civilised world in 1868 , viz.:-


The question in regard to the probable contimuation, increase, or dimimution of this supply is of the greatest interest. Unfortunately, however, wothing but the vaguest conjectures can be offered with respect to it. 'Those whis think that the supplies of the precions metals are likely to increasio may allege that, being very wi,iely diffusel, fresh deposits will 's successively brought to light; that the processes followed in the diggings, in the crushing of quartz rocks, and in the smelting and retininis of the metals, will be further improven; and the the inerease of poputation will make a still grea er amount of labour be devoted to the seareh after these metals. But while we atmit that there is a gooll deal of 1 . bability in these statements, still we question \(w\) uether the result which they point at will he realised. Though gold be very generally 1 stributed, it is extrenely doubt ful whether there be many places in which the deposits are so rich aud so extensive as in California and Australia; and even in these the produce, as alrea!; seen, is either stationary or has begun to decline. The myriads of adventurers \({ }^{\dagger}\). at ars attracted to prolific diggings being all animated by the auri sacra fames, and putting forth their entire energies, can hardly fail, in no very lengthened period, to rifle the richest beds. And when this is done-when the excitement inspired by the original discovery is worn off, and the greai prizes in the gigantic lottery recur only at distant intervals-then, unless new and equally promising uiscoveries should be made, a serions check will be given to the gold-seeking mania. 'The process of quart z-crushing is believed t produce only moderate profits, and is not of a kind to collect crowds of competitors. The few furtunes that have been realised in Culifornia and Australia havo not been made by the miners, but by the mercharts and others who have supplied their real or imaginary wants, and bought their golddust and naggets on advantageous terms. Of those engaged on their own account in the search for grold, very few have retired from the pursuit with anything like a competence. The great majority have hardly realised the wages current in the districts before the deposits were discovered; and the conviction seems to be everywhere gaining ground that more is to be made by cultivating the surface of the earth than by digging in its bowels or crushing its rocks.

Consumption of the Precious Meta/s.-In order to form a reasonable conjecturo in regard to the probable intluence of this vast supply of the precious metals, it is necessary to enquire into their uses and probable consumption. And this enquiry, we regret to ssy, is still more difficult, and more
likely to be infected with errors, than the caquiry in regard to their production.
The precions metals are used as coin or curcacy to facilitato exchanges; as wealth which may tes conveniently kept or hoariled; anc: they are usel in the arts in the shape of plate, and in gilding. and so on,
The quantities employed in these functious are vory large indeed. They vary, lowever, in different countries and periods with the circumstances peeuliar to each; such, for example, as the Hreater or less abundance of paper money, and the degree in which the use of coins is lessened by tie various levices resorted to for economising currency; the fashion as to plate and farniture; the feeling ol security at the time; and a number of ot her circumstances, all liable to great and sometimes sulden changes.

The gold and silver employed in this country as currency, and in the customary reserves in the hands of the bankers, is supposed to smount to from \(00,000,0001\), to \(75,000,0000\). It has bean estimated as high as \(90,000,0001\); but the best autho. rities look upon this estimate as greatly beyond the mark. In France, the pescious metals em. ployed in the same way probabily amount tonearly dorible the sum now mentioned, or to 130,000 ,0.4.t. or \(1 \cdot 10,000,000 \mathrm{l}\). It has been estimated by Leraseur (p. 106) and others at nu less than 160,000,0hen But this includes a pertion of the coins that hase been hoarded, and which con no longer be reckuad 111 the currency. And we believe that we may sately estimate the entire sum employed as cur. rency in Lurope, America (Nortls and South) Australia, the Cape of Good Hope, and Algeria, from \(190,000,0001\). to \(510,000,0001\), or \(500,000,00 \%\) ? as a medium. It would be inconsistent wi:h the objects of this article, and with the limits within which it must be contined, to engage in a disenssion of the numerous and uften contlictiut statements and details ous which this cestimute las been foundel. Some infurmation with resprect to it mar be found in Chevalier's valuable treatise De if Monnate ( p .8010 \& c .), l'aris 1800 ); in Stirling Gold Disconeries, p . 182 ; in the learned and er cellent tract of 'T'egoborski, Essai de la Dicourerte des Gítes aurifires en Californie et en Instralicett: p. 6̄̈; Levasseur, De la Question de TOr, p. I0t: in the work of Otreschkoff, \(D_{e}\) r Or et de \(l^{\prime}\). trgent; and a host of other publications. 'I'he precioss metals in circulation in Russia in the early parto 1851 were estimated in the Petershury Gazth (October 12,1852 ) at \(326,000,000\) roubles, equal at 40 d . per rouble, to \(53,800,000 \mathrm{l}\). The greate? part ( \(190,000,000\) roubles) of this currener via sisted of gold. Now, supposing this sum to te employed as above stated, as curreacy, we hare first to enquire into its probable wear and tear and loss, and then into the probable rate of its inecest And taking into account the extraordibary exten sion of navigation and emigration, and the proper tional risk of loss from shipwreck and other casuat ties, we are disposed to think that the sanual rey and tear and lossof coin may be estimated atabout \(1 \frac{1}{2}\) per cent. of the entire mass of the carmars; which, taking the latter at \(500,000,0001\), would amount to \(7,500,000 l\), a-year.

It is difficult to form any probable estimate d the rate at which the bullion used as currener wor be likely to increase, supposing its yalue not to fit off. The extremely rapid increase of refinemes and population in most parts of the cirimd world, and especially in America and Austrainis known to everyone. And it seems protty cortit that somo important countries which have hitbeno made comparatively little progress, sre about w enter on a new career of industry and euterptita
errors, than the enquiry tion.
used as coin of euriency as wealth which may le irled; nni they are uss of plate, and in gilding
ced in these functions are y vary, however, in dif eriods with the circum; such, for example, as the ef of paper momey, and the of coins is lessenel hy the to for ecomomising cur, plate and firniture; the e time ; and a number of liable to great and some-
employed in this country custonnary reserves in the is supposed to amoust to 000,0000 . It has been exti0,0001 : but the best authoestimate as greatly bryond the [recious metals ensprobaliny amount to neally entioned, or to \(130,000,00 \mathrm{M}\), as been estimated by Levsat nu less than \(160,000,0401\), rtion of the coins that hare ch ean no longer be reckutiol d we believe that we may tire sum employed as cur. nerica (North and South), -Good llope, and Ageria, it \(310,000,0001 .\), or \(500,900,0011\). ald be inconsistent with the , and with the limits within fincel, to engage in a diseus. and often conllicting, statewhich this estimate has teen nation with respect to it mar nation waluable treatise De la .), 1'aris 18.30) ; in Stitling 182 ; in the learned andesorski, Essai de la Decourerte Californie et en Australie th. e la Question de \(I\) Or, p. 100 Thkoff, 7\()_{e} l\) Or et de \(l\) 'drgent publications. 'The preciow in linssia in the enrly parts d in the Petershury Goseth at \(326,000,000\) roubles, equal, to \(53,800,0001\). The gresta bubles) of this currmey or w, supposing this sum to \(x\) stated, as currency, we hare ts probable wear sud tear and e probnble rate of its inetest. ount the extrnordinary exter. nd emigration, and the propor: m shipwreek and other castahto think that the annualres coin may be estimated atabua entire mass of the currenct; latter at \(500,000,0001\). wood gl. a-year.
orm any probable estimate e bullion used as currencẹ ar , supposing its value not to fo y rapid increase of refinemew most parts of the evilise \(y\) in America and Australis And it seems proty cartai it countries which have hitberto y Iittle progress, are about to y Itcle progres, and enterprise

In Nussia, for example, the useasures that are in angress for the construction of railways and the mancipation of the peasantry ean hardty fail to traken the dormant conergies of the latier, nud arianew vigour to their exertions. And the enpacities of that country are so very grent, that it mot easy to imaginc, wero its resources at all dereloped, to what an extent its wealth nud yopulation might be increacel.
Again, some of the tinest, best situated, most extensive, and of old the most populous and thomrishing countries in the world, at present. gromen under the deadly intluence of the superannuated but destructive despotism of the T'urks. It is ditlienlt, howerer, to suppose, despite the cllorts that may he male to bolster it up, that this iniserable fabric of superstition and tyranny should hold together mud longer. And were it overthrown, anit anything like an eflicient goverument established in its stead, a fruitful anit all but bounilless field vomld he hid open to industry and enterprise.
But without insisting ons such prosuective considenations, and looking only to the advances that are now being, made, we do thot think that we shall exaggerate if we estimate the increase of currency that is now going on at 2 per cent, on its gross amout ( \(500,000,000 l\).) , or at \(10,000,000 l\), a-year. It is impossibte, however, supposing this estimate toot to be very wide of the mark at present, to conjecture how long the currency will go on inereasing in this ratio. It may, as we have seen, be saidy taken for granted thint the sphere of eivilisation and commerce is destined rapidly to extend. But its expansion will no doubt be accompanied with various contrivances for ceonomising the use of metallic money; so that the quatity of it in circulation may not increase for any rety lengthened period at the rate above stated. If it did, it would absorb an immense supply of gold. In barbarons countries, and in those which ure entering on the carcer of civilisation, the coins afloat may increase at the rate of 3 or \(j\) per cent., or more; but in countries which are more advanced, their increase mny be nothing, or less perhaps than even 1 per cent.
It is equally dificult to acquire any satisfactory information in regarel to the quantity of bullion consumed inthe arts. Jacob estimnted its amount in Europe and America in 1830 at about \(5,900,0001\). d-ycar. But it has since been repeatedly shown by varous intelligent writers that this estimate was in many respects wide of the mark, and that on the whole it was a good deal nuderrated. And, supposing the consuanption of the precious metals in the arts to have nmounted to \(6,50 \mathrm{~b}, 0001\). or ;T,M,0001, in is iso. it must now be very much grater. Every yherer: indect, but more e especialiy in England, America, Germany, and Russia, there has been an extraordinary increase of population and wealth during the last cight-and-thirty years. Phite ent plated aticicts for use and ornam enta? pmarese rie tuow in extensive demand among ail but the very lowest ordera. Vastly more persoas are raising themselves from pozierty to competence and affluence than at any former period; and these are universally large buyers of plato and other costly articles. A taste for gilded saloons, magnificent glasses, and the grorgeous furniture of the age of Louis XIV, is at present all but unicersally diffused, and must haye added greatly to he consumption of gold, which has been still urther augmeated by its increased outlay on the iding of earthenware and china, harness, books c. At the first blush of the matter, some of hese items may not appear to the careless observer obe of much importance; but those who reflect little on the subject, and who consider the im-
rense nut rapidly inerensing demand for the urtiches referred to in this country and Eurupe fencrally, and in Ameriea nnel Australia, will ba sat isfied thant the total consumption of the precions metals, and especially of gold, in the way now mentionel, mnst be quite immense, Fistinates indeed have been made of the expenditure npon some of these items, but the diata on which they wre fommed are too vague to entitte them to much attention.

We incline to think that the value of the precions metals in (ireat IBritain in 1869 in the shape of plat', wateles, jewels, and trinkets of atl deseriptions, may be safely estimated at about 17. to parh individual of the entire pepulation, making in the aggregnte a sum of about \(100,000,0001\), to which it we atd \(12,000,0001\). for Ireland, the wholo will amount to \(112,000,000\). And vast as this sum may appar, we believe it is inside the mark. Silver spoons and lorks, silver tea-services, with trays dc. are now univeranlly met with thranghout the midde ns well as the upper chasses; while most fimilies, of any antiquity or consideration of nny kind, possess large quantities of ormamental as well as useful plate. In the Continent and the United States the butlion lnvested in the way now stated is very great indeed. In Italy and Spain and some other countries the lower classes, especially the women, though not generally so well of as in England, spend more money upon massive rings, chains, brooches, and such like artieles, which they regned much as girls in England do their deposits in the savings bank, as a reserve fund or capital.
We are aware that Jacol) says, that 'in the present day in this comentr, the yuantity of gold and silver in actual existence, including utensils, ornament:, jewellery, trinkets, and watches, is three or four times as great as the value of thase metals which exists in the form of money.' (Historical Inquiry, i. 210.) And as the value of the precions metals in Great Britain, in the shape of coin, is certainly not less at present (1869) than \(70,000,0001\). or \(75,000,0001\).. the value of the bullion in plate, jewellery \&c. ought, on this bypothesis, to amount to at least \(210,000,000\), or \(280,000,0000\). Yet there can be no manner of doubt that the lowest of these sums would be far beyond the mark. Tegoborski, indeed (Gites auriftres etc. p. E6), who is supported by Humboldt (Esssat sur la Nouvelle-Kspagne, iii. p. 4(5, el. 1827), estimates the value of the bullion vestel in plate, wutches, jewellery de. at only half the nuonut vested in coin. 'This estimate, though not perlaps very far wrong if applied to the poorer comitries of Europe, would undoultelly, if applied to Great Britain, be as much under as that of Jacob is alove the mark.

But, without pretending to an accuracy which, on such subjects, is unattainable, we run little risk in concluding that the expenditure of bullion in the arts-i.e. in plate, jewellery, gilding \&c.-in Lurope, America, nud Australia, camot at present (1869) be under, if it do not exceed, \(10,000,000 \mathrm{l}\). or \(16,000,000 \mathrm{l}\). a-year. Now of this a portion, estimated at about \(\frac{3}{5}\) or 20 per cent., is supposed to be obtained from the fusion of old plate, the burning of gold nad silver lace \&c. And hence, if we deduct from the \(15,000,000\). used in the arts 20 per cent. for the old bullion, we have \(12,000,0001\). for the total quantity of the supplies from the mines annually disposed of in this way; a consillerable portion of which, including that used in the gilding of rooms, earthenware, books, harness, buttons \&c., cannot be again recovered or applied to any useful purpose.
And however great it may appenr to be, this
umount will be largely increased with the increase of population and the spreal of refinement in the urtu, and still more by nnything like n considerable fall in the value of bullion.

Hence it would appear, putting these items together, that the annual consumpion of bultion ns currency, and in the arts, amounts to about 29,500,000I. viz.:-
\begin{tabular}{|c|c|c|}
\hline Wear and tear and loss of coln Increase of currency & : & \begin{tabular}{l}
- \(\quad 87.500,0\) ми \\
- 10,0 (1041, (10N)
\end{tabular} \\
\hline Uned in the arts \({ }^{\text {a }}\) & & \(12.0140,414)\) \\
\hline & & \\
\hline
\end{tabular}

It will be difficult to show that the estimates are beyond the mark; and supposing them to be nearly correct, it follows, deducting the above sum irom the previonsly estimated prodince of the mines ( \(10,000,000 l\). \(-29,500,000 l\).), that we have a surplis of \(10,500,0001\). to defray the sums requirel for hoarding, for exportation to the East de. And there certainly seems to be little reason for thinking that a supply of this amonnt will do much more than meet the demands upon it.

It may be said, perhaps, that we must have exaggerated the consumption of the precions metals, inasmuch as the sum which we suppose is annually consumed considerably exceeds the entire produce of the mines previously to the supplies from California and Australia. But, while we admit the fact to be as stated, we deny the inference which is attempted to be drawn from it. The truth is, that while the diseovery of the Califormian and Australian deposits has adhed in so great a degree to the supply of bullion, it has ulso added very largely to its consumption. It has given an unparalleled stimulns to emigration and commerce. The population of Calitornin and Victoria has increased in a ratio hitherto unheard of, or from next to nuthing 20 years ago, the former to 379,994 in 1860, and the latter to 653,744 on September 30, 1867. But despite this inerease, wages, owing to the general desire to speculate on one's own account, continue to be extravagantly high. In California in 1867 miners readily obtained from 10 s . to 14 s a day, according to their skill and capacity for enduring fatigue; common labeurers from 6s. to 8s. a day, and house servants from 4l. to 10l. a month. (Mir. Consul Booker's Report for 1867.) For a while most articles were proportionally high, so that these extravagant wages were not so advantageous to the parties receiving them as might have been supposed. Bat there has latterly been a great fall in the price of manufactured goods and colonial proluce: while, owing to the progress of agriculture, provisions t:ave also been greatly rednced. Lodgings are still very dear, but not so exorbitant as formerly. In Australia the state of things for a while after the discovery of the gold fields was not very dissimilar; wages, however, though still very high, are a good deal lower than in Califormia; while in other respects there is but little difference between the two. And if, in addition to these unprecedented circumstances, we take into account the unsettled character of the population, with the absorbing pursnit of wealth on the one hand, and the utter recklessness of expenditure on the other, we must be satisfied that the currency of these countries cannot be othcrwise than excessive as compared with their population.

Still the powerful influence of the late gold discoveries is not confined to Califormia and Ausiralia. The emigration to these countrifr, and the new and rapidly increasing markets whic they affold, have told effectually here, and indieed in every commercial country. In F.ggland tr, rise of wages cannot be estimatec at less than.
from 10 to 30 per eent., while in Ircland it har been a good deal more. And though the rise of wages in the latter be in part ascribable to the famine of \(184 \mathrm{ti-47}\), and \(\ln\) a still greater degrec to the emigration to the United States, yet, ns his emigration has been powerfully promoted by the efflux of emigrants from the Atlantic States th California, it is clear that the gold of the later has been at buttom a prominent cause of the insprovement in the condition of the Irish peasantry The same may be said of the emigration from tiepmany, which has latteriy become of tirst-rate importance. At un average of the seven years colded with 18.52, it amomet to 103,591 individuala a. vear: the numbers in \(18, i\) and 1802 being spectively 120,708 and 105,730 , of whieh by lar the greater portion whs destined for the linited States. (Report of Emig. Com. for 1853, p. 104.) The number of emigrants from llremen alone, in 18i6, was 62,254 , nine-tenths of whom were de tined for the United States (Mr. Vice-Gonsul Schwoon's Report for 186it); and the emigrans from this country to the United States in \(186 j^{2}\) numbered \(159,275\).
I'he rise of wages consequent on these extra ordinary mutations, and the increased exports of produce which they have ocensioned. have execised a powerful inthence in the United Statisas well as in Europe. And there, consequentr, 34 well as here, a greater supply of bullion will be reyuired to serve as currency. Again, while this intluence is operating on the one hand, on the other the swarms of parvenus who are evers dr rising to opnlence contribute to swell the demani for all sorts of things, but especially for plate and plated goods, jewellery, and such like artides. What is probably of still greater importance, the metallic basis of the currency is everwhere being enlarged; and the conviction is fapidy gaining ground in the United States as well as in Europe, that no paper currency can be safe unless effectual measures be taken to mantain such a supply of the precious metals in the countries in which it circulates as may be necessary to ensure its immediate conversion into coin.
Burying of Gold and Silver.-It is siugulas that, in estimating the consumption of gold and silver, Jacob did not make any allusion to the practice, which has miformly prevailed in all combtries harassed by intestine commotions of exposed to foreign invasion, of burying treasure in the earth. Of the sums so deposited a ress considerable proportion has been altogether lost; and this has no doubt been one of the principa means by which the stock of the precions metals has been kept down to its present level. Evers one is awnre that during the middle ages treasia trove, or money dug from the ground, formed ap inconsiderable part of the revenue of this ad most other countries. (Blackstone, Com. b. I.c 8, s. 13.) And though the burying of moner bes long ceased in Great Britain, sucis has not bees the case among our neighbours. Wahefield tells us that down to 1812 the practice was common in Ireland (Account of Ireland, 1: p. 593); mon though much fallen off in the interval, it owr tinues to this day to be occasionally resorted to in that part of the kingdom. It has almon prevailed, sometimes to a less and sometimes of greater extent, in almost every part of the Cos tinent. (Storch, Eiconomie politique, i. p. 牶,
 comrarife: the Revolution of 1789 made the nractice to se in reicd to an extraordinary extan 11 rance wat 1- ore owing to varions cate w' ch re fuc drims to require being pointed or, it, s ii nututains a considerable footing.
hile in Ireland it hist nd though the rise of part ascrihable to the still grenter degree to red States, yet, as this ffully promotel by the the Atlantic states tor the gold of the latter sinent cause of the inin of the lrish peasantry, he emigration from ticrbecome of tirst-rate im. of the scven years eniled o 103,591 individuals a51 and 1852 being re i5,730, of which by far destined for the thinted g. Com. for 1833, p. 104.) 9 from Bremen alone, in enths of whom were desStates (Mr. Vice-fonsul 8666 ) ; and the emigrank te United States in 186
nsequent on these extraI the increased expots of ve occasioned. have extce in the United Statis: ad thore, consequently, as supply of ballion will be rrency. Again, while this on the one hand, on the arremus who nre erery dy ribute to swell the demand but especially for phate and ry, and such like articles, still grenter importance, the enrrency is erenghere the conviction is rapidy United States as well as in : eurreney can be safe unless taken to mantsin such a s metals in the countries in may be necessary to enare fion into coin. and Silver.-It is singulat he consumption of gold and make any allusion to the uniformly prevailed in all \(y\) intestine commotions a casion, of bury ing treasure in sums so deposited a reer on las been altogether lost ot beca one of the proncipa stock of the precions metal to its present level. Erent fing the middle ages treasur from the ground, formed \(D \infty\) of the revenue of this and (Blackstone, Cum, b. L.e Fh the bury: ing of money bs Britain, sucia has not bead neighbours. Wakefied telb the practice was cummon in \(f\) Ireland, \(\mathbf{1}: \mathrm{p} .593\) ); mN off in the interval, o be occasionally resoned w e kingdom. It has anny. to a less and sometimes art
most every part of the car iconomie polilique, i. p. 然, \(y\) and brigandage that \({ }^{2}\) volution of 1789 made tho ed to an extraordinary extran re, owing to vanions pioked ains a considerable footing

In much was this the case after 18.18 , that a distinguished authority anys, 'Dn Virance nous dumisens notre argent dans nos coffres, on mous le cachons dans les murs de nos maisons et les sillons de nos champs, selon les vieilles coutumes do lorient. Ily n peut-être un milliard (fonty millions sterfing) de notre numéraire rendu ninsi strile,' Lupaynote, De la Mennuie, du Cridit etc. i. p. 18.2 , l'aris 1853 ; one of the best of the lato French publications on the important subjects of which it treats.) And yet we donbt whether the burying of trensure be at present as prevalent in Fratec as in many parts of Germnny and in Jungary, Russia, Italy; Spain, nud European Turkev. The feeling of insecurity that has precaited in fll these countries, especinlly since 18 H , has given a stimulns to this practice which nothing can countervail. Of the many millions that were distributed among the countrics round the Black Sea during the Crimean War, the sreater portion is believed to be as much withdrawn from circulation as if it had never been dug from the inine. But the burying of treasure in Earope is tritling compared to what it is ia the liast, There the practice has prevailed from the remotest autiquity down to the present time, and has been and is carried to an enormous estent. llernier, indeed, and all the most intelligent travellers and enquirers who have visited India, Persin, China, and the East, generally concur in dinking that this burying of the precious metals is a maiu canse of their continued drain to India \(\& c_{\text {, }}\) where they never seem to become more abundant, llut as we have already noticed this part of our subject at considerable length (ante, East Isda Comiany, Exportution of the Precious Metals to India \&c.), it is needless to dwell further upon \(i t\).
It is impossible, of course, to form any estimate of the sums thus ammully placed, as it were, in mortmain. They vary from year to year, and are always greatest when wars or revolutionary digturbances are in progress, or when their occurrence is anticipated, or but little confidence is plnced in thepermanence of existing institutions. There can, st all events, be no question that the sums which have been tisposed of in the way now stated in thedifferent Continental and Oriental countries of late years have been quite enormous, and have far exceeded those absorbed by any of the other ehannels of expeuditure.
Exportation of Gold and Silver to the East.Humbold estimated that, of the entire produce of the American mines at the beginning of this century, smounting, as already seen, to \(43,500,000\) dollars, no less than \(25,500,000\) were sent to Asia, \(17,500,000\) by the Cape of Good Hope, \(4,000,000\) by the Levant, and \(4,000,000\) through the Russian frontice, Probably, however, this estimate was a good deal beyond the mark. 'Humbolitt, cela n'est plas douteux, estimait trop haut la valeur de l'or et de l'nrgent, qui s'écoulaient au commencement de ce siècle d'Europe en Asic, et portaient trop bas la déperdition qu'ils éprouFaient, daus le même temps, par le frottement et heur conversion en objets d'orfévrerie et de fionsturie.' (Dupuynode, De la Monnaie etc. i, p. (v.) There is no longer, we believe, any doubt ill erard to the sccuracy of the latter part of this tatement; and it is pretty generally aupposed that the first part is also well founded. But ome years ago this immense alrain began to minish, and in 1832 and 1883 it actually set in nopposite direction. Then for a time it fluetuted, sometimes inclining to the one side and vantimes to the other. With the exception, porever, of the bullion received in payment of
the \(21,000,000\) dollars due to us by China, muler the treaty of 18.12 , there was anot for some years any very decided movement of bullion from Europe to the East, or from the East to Europe, though, on the whole, the imports into the latter nppear to have excceded the exports; int lenst, this was certainly the ease daring the 5 years from 181.1-45 to 1848-49, both inclusive, Ikut more recently, or since 1850, the alrnin fir bullion for the East set in with renewed force; and for 7 years down to the crisis of 1866 the nverage was only \(10,000,000\), This is evident from the following statements:-
Total Lixports of Bulli n from Great Britain to the Eiast.
\begin{tabular}{|c|c|c|}
\hline Years & tiola & Silver \\
\hline & \({ }_{6} \mathbf{E} 3,879\) & 16,004,029 \\
\hline \({ }_{18,17}\) & 1, &  \\
\hline  & , \(7.96,193\) &  \\
\hline 106\% & , & \% \(8,780,842\) \\
\hline 15 & \({ }^{2} \mathbf{2 , 0 1 9 , 9 9 1}\) &  \\
\hline \({ }_{\substack{1816 \\ 1867}}\) & 4, 4 , \({ }^{2} 11\) &  \\
\hline
\end{tabular}

It is to be borne in mind that althongh India did not, for several years prior to 1850 , lerive any consideralle supply of bullion from liurope, she drew during that period large supplies from Chinn. This was a consequence of the vast increase of the importations of opium into the latter. With the exception of tea and silk, China has few native products, other than the precions metals, fit for foreign markets. And the exports of the former being for some years not much more than sufficient to pay for the products sent to her from Europe and Americn, a very considerable part of the cotton and opinm she imported from India was paid for in bullion, the inereased exports of which were said to have latterly brought her into scrions difficulties. But the circumstances are now (1869) entirely changed. The denand for the silks, teas \&c. of China, in this and other western countries, has latterly become so immense, and has so far exceeded the value of the proluce exported by them to China, that the balance in bullion received by the latter on her trnde with them, has enabled her to meet with little or no difliculty the drain for bullion occasioned by the increased imports of opium from India. The following statements set these results in a sufficiently clear poini of view :-
Account of the Total Value of the Exports from India to China, and of thase from China to India, in each of the 6 Years ending with 1866, showing the Nixcess of the former over the latter.
\begin{tabular}{|c|c|c|c|}
\hline Years & Exporta from Iudja to Chiona & Exports Irom Chisia to India & Hxcess of Indian Exports \\
\hline & 11,4*29966 & & \(\stackrel{\boldsymbol{e}}{\boldsymbol{e}, 604}\) \\
\hline \({ }_{\substack{1861 \\ 1 \times 62}}\) & \(11,4 \times 5,966\)
\(10,467,42\) & 2,3y0,365 & 8,994,601 \\
\hline [1863 & 18,187, 517 & 4,567,*113 & 7,5,59,744 \\
\hline 1864 & 10,595,235 & 3,819,461 & 6,775,274 \\
\hline 1465 & *10, 874,654 & * 4,275,963 & 6,595,64\% \\
\hline 1866 & 11,23),565 & **, 845,238 & \(4,885,347\) \\
\hline
\end{tabular}

Comparison between the Balance due by China to India, and by the linited Kingdom to China,
\begin{tabular}{|c|c|c|}
\hline Years & China to India & United Kingdom to China \\
\hline &  & \[
\underset{4,1 \times 9,998}{\mathcal{E}}
\] \\
\hline 1861
1862 & 6,071,161 & 8,893,759 \\
\hline 186.5 & 7,559,271 & 10,047,545 \\
\hline 1864 & ¢,775,687 & 10,683,971 \\
\hline 1865 & 6,595,68* & 6,173,(0) \({ }^{\text {a }}\) \\
\hline \({ }_{\text {Total }} 1865\) & 2, \(38,785,387\) &  \\
\hline
\end{tabular}




- Trownt of ther 'Tolat l'athe of the Kirpmorts
 'thrse fivem thime ta ilhe Iinitul Kingrom, in
 also the Eiveress of the hittre arer the firmer.
\begin{tabular}{|c|c|c|c|}
\hline Vears & \begin{tabular}{l}
 \\

\end{tabular} &  & \[
\begin{aligned}
& \text { Fiven ef' } \\
& \text { Whinew Fimurt }
\end{aligned}
\] \\
\hline & \(\stackrel{1}{ }\) & * & \(\ell\) \\
\hline INfil & 4.910, 116 & 9,1784,1417 & 1,12\% 3 \%as \\
\hline \(1 \mathrm{NaH}_{2}\) & \(3,277,736\) &  & N, ¢140, 3 \% \\
\hline Isti.l & 1,1014, \(\mathrm{Na}^{\text {a }}\) & 14.14t, 3111 &  \\
\hline |xh| &  &  &  \\
\hline Intis & ?,776,169\% & 11, bin, M6: & (i, 12:0]NO1 \\
\hline IWint & 7,6ï7, & 11,1/N, ¢ifil & 3,431,120: \\
\hline \({ }^{2} \mathrm{NK} 5^{3}\) & 7,671,10- &  &  \\
\hline
\end{tabular}

Lcount of the Tewtal Jinher of the Fexports
 thuse from Indir to the Linited Kingalum, in rahh of the \(\overrightarrow{7}\) liours cuding with 1 sti\%, showiatt the Biretss of the leater.
\begin{tabular}{|c|c|c|c|}
\hline Vras, & (i) luilia & Disuart firm medi.4 io t'niter Kiukdom & Fivers it Indian tixperta \\
\hline IS61 & \(17.038 .807 \%\) &  &  \\
\hline Isfi: & 15,316,1*16 & \(31813,5,51\) & \(1 \mathrm{~K}, \mathrm{~N} 7\), 12\% \\
\hline Istis 3 & 20,417, 119 & or, A.31,7111 & 27,617,331 \\
\hline 1sfil & 2m, &  & 3, 214.785 \\
\hline 1.19:3 & 18, \(3,3.191\) & T-545.104 & 14,5620,26il \\
\hline 1 Mrig & 20.6i) 4 , \({ }^{14}\) &  & M, \% 20,678 \\
\hline 1ati: & 42, 512.518 & 2.3,amismin & 8, \(6.25 .5,391\) \\
\hline
\end{tabular}

It is plain from these starements:-
I. 'lhat, taking ladia and thima together, the imports from them into thin eonatry have grently exceded the exports, heavistre \(n\) heavy bultme to be discharged hy shigments eft brallion.
II. In regaril to (hina, the impment from which wogrently exceed the exports, "xeppt in 1866 and 18ti, which, in consequence uf the commercinl erisis, have been excephional, it is distientt toform any anticipation of what may take plaee in future. There enm, inded, be litale or no dondit that, great as the imports of silk and ten now are. Hery will become much greater in future. The venl quisstion is, Will the demand for British prodacts in Chinn extend in the same, in a less, or in a greater proportion? And though the question be by no means free from difficult \(y\), we indive to think that the induence of the late treaty, and the greater facilities it affords for the importation of foreign products into China, will increase the amount of the imports. Hat we have no idea that they will. if ever, at least for many years to come, lee equal to the exports ; or that the bnance between China and Eingland will cense to be Inrgely against the Intter.

11I. It is equally difficult to cast the horoscope of the future trate bet ween Iudin ard China. The importation of opium into the latter is now legalisel, and an increase of imports may, in consequence, be expected. But, on the other hand, opinm is beginning to be extensively grown in China; and, if its home cultu:c succeed, it is next to certain that the imporiation from India will be lessened. These, however, are matters which
 and tecidu:
IV. the thow whale, however, it apparam tu ber
 In distrihited amover the lineform iommerines, that they will conmamer, as hithorto, to impurt , han wupplies from thbe Westerin worthl. In treth

 fire every peronpery that las drain of bullion from the Wienf, to the lizum. will go on, with meressimal
 tilles gavame les: and that it will rentimue to onsurn a vory tharge propumion of the problave of the mines, burtomps as menelh as is or if millinem a-yers, Though a considherabive vedenetion in the amgunts of latu years might lime maticipatel, were we n becone: leser indolnedt to India fur rupplixe of otton.
It is siven from the previons statements the: vilecr forms by tur the larger portion of the balfien exported to the liast, but this depends on onculiar circumstances ; and it is liy no means thent, nor indeed very likely, lont silver will permanmity comtimes, ine herelutiore, to be ent to Iutia mid Chinu in prelerence to gidd. on the contrary, it serems to be exiremety probable, provided llere be any materiat or indped sensilde leelino in the valine of golit, as comparal with silver, timet it will began to be largely exymei to these commeries. It is extensirely ised in Hine dostan for orumments and is predertel by mans both in India and China, to silver, ns heing mone portable and better suited for homeding, in the event, too, of these great countries becomiog es it is all bout certain they will do, ridher and man eomanercial, gold will no doabt be emplored, whether legral teniler or not, to a less or grate exient, in the wettlement of pectniary transotions. And, on the whole, we shond be indiad to mutieipinte that anything like a considende fall in the value of fold would make it to it gradunlly to supersede silver in shipmens so the East, and open fer it in that quarter an all bor boundless market.

In all speculations in regari to the prolaie future supply of gold, it should be carefullif that in mind that any ewnsiderable foll in its atat would unavoitably eheck its production, and co. sequently, tend to lessen or prevent its farlia full. It is plain, for example, that a decline of 10 per cent. in the value of gold would, atens paribus, occasion the abandenment of all they mines, diggings, washings dc., which oult ried a nett profit of that amonnit. We are anser, tha owing to the production of gold, as at pruat carried on, having more of a gambling chasxif than pertains to most branches of industr, th prineiple now stated would not operate solicility as might, perhnj'n, bo anticipated. But of its alif as maght, perinpa, bo anticipared. question. If it may, therefore, bo laid down that any redncion in the value of gold, which is not sccompanided a corresponding improvement In the methois :
"diu? wint Chinat, emod
 ir.
\(\frac{T \text { wat }}{}\)


wrover, it aphrain to he atover way bitliun may - lin-tera conntrises, that ilforto, fo inopurt lanto II worlil. In Irush it in lap liast: thul. hing xportit. Thureis the I lu' irnin of Sullion frons ill ara un, with oecamal to contere as it. has dome in t. it. will contime to alouth me of the proshue of the an an or 6 millims aypar. - wedinetion in the amoonts Le unticipated, wore we th (u) Indin for wapplies of
proviouts statements thas larger jortion of the but Liant. IBut this depends on ; ant it is hy no mans likaly, that. silver will perH herototore, to be seat to wetirente to gold. tha the be extremely probable, prouaterial or isileed sensible a) of rold, as comparad with -rin to be largely expuren wo is extensively used in Hinh Its whe is profered ly many hima. to silver, at being mine suitet for hoarding. In the Hreat eountries becoming, s they will do, richer and wime vill no douht be emphered or or mot, to a less of grate lement ot peemiary irmis whole, we shonld the inclitat anything like a considerate guld would make it ede silver in shipments
it in that quarter an all ber biss in regard to the prowhald d, it should be carefully he considerable fall in its rat check its production, and ferte lessen or prevea its example, that would cutas alue or goment of all lie abande. which ouly amolunt. Ne are antat. luction of gold, as an more of a ganbling nost liranches of industr, 1 ed would not operate But of its alt be anticipsted. But of is it a laid down that any redurio d, which is not accompanid mprovement in the methots
its prodertion, inevitaldy tobles la rorreat inself, uf faches or hisulur iss furlur ralnetion.
Substitution of tínhl fior Nilever- I Iillurto lmoll
 F'uital Siater. !raner, and somatother comitries. Wherever ancli js tho case, the valies af the devias in reypurt of emeln other has lo he fixed liy anthor

 mones, at the rato di no wany dollars to tho eagle, fram'd fo llo Napoleon d'or, shillings to the sumbint, and so on, as laid down in llue mint artations ul thas ditherent romblries. IJut howmoreroct at the: perimen when they are made,
 momever surlo is lho rase, it is lor overybuly's aknatage to make nll his paymonts in the metn] whing hapmes fo be oforvalued nes eomparal ih the atler Ant harime liae use al crold as mony in greformee to silver in limglaml, and of viber in preferenere to gold, down to nt contparatively late period, in liroure and the linited states.
In the improbable avent of the mint valuntions of fuld and silver contimuing for any consinlernble priuk to be nenrly julentical with phair real volues, the former would the mure to be preforred as money to the later in all but putty tramactions, bimis maxi more valuable in proportion to its bulk ami weight than silver, follel is more pasily concealeal and taried about. Whars notes circulate of a Low value, the alvantaga now roferred to on the side of gold is leas obovanas. But such low notes ate in all rexpects most oljoenionnlole; and where, as in limglund, there are now sotes in circulntion for less than Sh, and in Fannee for less than in frames, the use of fold as money in necompanied with so matny alvantagen, that we nre dispowel to thiak it would maintain its place evell though it were somewhat nulerrated as compared with silver. Imassuzeh, liowevor, as thol has so many uatural framends of pretirente oll its side, the trus plan in fie make it the only standard, and tu use silvor metrely as a sulrsidhary eartency. 'Ihis plan lam becon followed sinee 1817 in this country with the mont somdete sucesss; and there is mo reason to donbt. hat it may be elsewhere alopted with equal drantage.
The late extraordinary demmal for silver in ndia bas beea quite emourl to make gold be snl)fitutel for it in those conntries in which they re equally legai tender. ln France, for example, here the metallie currency consisted, down to 80, almost wholly of silver, it now consists racipaly of gold. 'lhis is evident from the Howing necomit of the gold and silver coinage that empare from 1850 down to 1857, both clasive:-
\begin{tabular}{|c|c|c|c|}
\hline Yeas & Goid & Silver & Tolat \\
\hline 1890 & fr. 192 -24 & fr. \({ }_{\text {cor }}\) & (10)873 20 \\
\hline |isi & 259,799, &  &  \\
\hline 4029 & 37,1424,20 & \(71,914.115\) & \(48,916,715\) \\
\hline H51 & 314, 1614.480 & \(20,099,48 \times 20\) & 333,166, 5109820 \\
\hline 边 & \(526.340,2000\) & \%, 123, 2478 & 528,654.1047 81 \\
\hline 10 & M13,24, \({ }^{\text {a }}\) &  & 474.988.145 30 \\
\hline 136 & 591,561,24 &  & 376,370,4.16
3 \\
\hline (0al & 4,117,69.3, 191 & \(323,639,74550\) & 3,073,333,435 30 \\
\hline 36 & [109,997,7t1 & 611,46,499 & < \(422,931,129\) \\
\hline
\end{tabular}
the United Slates the coinage of gold has eased in a somewhat similar ratio hoving a from \(8,007,701\) dols, in 1849 to \(62,514,492\) in 18 it, ainl \(59,313,465\) dols. Lit 1850 , In 6 the rilue of the gold coin produced by the
 tha value of tha silvor coin ivanded was bat
 these two connliles, ns it is used in limghtul, in nll rob-idernlila paviments which are mot ulliered by not es or chegnes ; whitle large portions of the silver
 finulid their way to the biast.
l'his snisatilntion of fald fur milvar, while il
 ol' thu former, froportionally marrows that for that omployment of tha later. Asu liemse a very eninsidarable permanolit addition may lu: made in
 menanreal in silvar, lsimg matorially niliected, In tha cul, wo dombt, the volimes of both limetals will be proportioned, indepeadently ol variations ol demande, for thes resucetive conts af thejr pronluction. Ifat befors this rymalisation man take phate, thoy mant bu distributed amongf thar varions comatries of the world necorsling to the circomataneos prouliar to ench, inelating liserein their peculime aptinules for different jurposes, and the novel comititions of thair sujyly.

In Inclia, where whges have alwnys been very low, lhe freat lulle of the enin in eiroulation hats consisted of silver ; and in 1885\% il whe made the only logna tember. lsut though not leral lemader, folil eoins continned to cironlate in Judin: and a prochanntion insued in \(|81|\) directed lhati to bus recelved at the pulbic treasaries. Jittle altention was paid to this measure at the time; but afler tho discovary of the gold aleposits in \(A\) ustrilia, it bevamo obvious, if gold coins tontinued to ber recoived by the puhlic dopartmanis, that aventanlly none clae wonlal be phid into iliem; that, silvor wondd conse to be employed exmot in petty paymenter and that foverntueni, ns well as judividuals, would beinjured by any fall that might take: place in the value of fold. 'This contingrency appears to have alarmed the (iovermment; minl notice was
 and alter Junuary I, 185 h , fold coins wonld not be received on aceount of taxis or other paymunts lue th the pablic. Silver lias, consemuenly, akain become in lact as will as in law the sole legal temler of Indin.

Ihat these appear to loe most imadepunte groumbs for the eourse that was atlopted. Thore are no sullicient reasons for supposinis that any material, or indeed sensible, injury, wond lave resulted -ither to the Government or to individuals from tha eontingencies referred to; ant there are at the same time varions circumstances which make it much to be regretted that an attempt shond linve been manle to exclude gold from the currenes of India. Silver coins, being the only ones fitted to surve the purposes of the great bulk of the inlunbitonts, must always le in extensive demand in all parts of the peninsula, But had golal also been allowed to cireulate as coin, it is most likely that it would have beenextensively employed in making large payments, and it wonld also huve been extensively hoarded. Liven as it is, leaf and bar gold linve been of late largely imported into India from China, to be used in the arts or buried. In 1855-6, for example, the inports in question amounted to no less than \(1,508,541 \ell\). the finir presumption being, that but for the suppression ot gold as curreney, they would have been very much greater. Aud if so, the increased demand for gold would, on the one hand, have in so far counteracted that fall its its value which has been so generally apprehended; - bile, on the other, it would, by lessening thr, w,mand for silver, bave checked any tendenc: I may have had to rise. And for these, and other reasons that will readily suggest them-
selves to the reader, it would he good policy to re-introluce a gold currency. It is contrary to all principle, and indeed to the plainest dielates of common sense, to exclude it by forcilile means from a lield where it wond otherwise the largely hased, the more especially as by doing this we create nan unatiral demand for nilver int the very time when it is supposed to be rising in value as compared with gold.

A further substitution of gold for silver may prabably be effected loy using gold coins of less valie than formerly. In the Ulited Kingolom, tior instance, gold might be advantageously coined into bs. pieces. 'The Freneh have set ins the example by coining gold \(\overline{5}\) franc pieecs. It would be inconvenient, periaps, to have gold coins worth less than this; but of this value their empluyment is bencticial, as well by ceonomising the use of silver, as by their being more convenient and ensily carrical about.

Supposing that the subatitution of goll for silver now referied to were finly efleeted, and that the production of gold as compared with silver were to ro on as it lats done since the diseovery of the Californian and Australian goll-tields, the value of silver, measured in rold, condel hadly fail to rise. 'This, however, will in great mensure depend on the demand for silver for the East continuing at about its late avernge amome, or on its not falling off, which it womld be sure to do were gold agnin made legal tender. And there are, hesides, but slender gronnds for thinking that gold and silver will continute for any considerable period to be produced in the same proportions that they have been during the last 20 vears. 'The presimption, indeed, appears to be rather in faveur of the future increase of silver than of gold.
We may, perhaps, before procesding further, notice in this place the following estimate, which the llank of lingland laid before the Committee of the IJouse of Commons on Banks in 1857-58:-
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Years} & \multicolumn{2}{|l|}{Imforts from Irotuchag Countries} & \multicolumn{2}{|l|}{Esports to the Eant from tireat tiritain and the Mediterranean} \\
\hline & Gold & Silver & Gold & Silver \\
\hline 18.51 & 8, ¢ \(6,54,000_{\text {f }}\) & 4,076,000 & \[
\underset{102,000}{\boldsymbol{f}}
\] & \[
\frac{\varepsilon}{1, ~ i 16,0100}
\] \\
\hline 14.32 & 15,194,(091) & 4,712, (kn & 942,0100 & 2,6,30, \\
\hline Ins3 & 2 \(22,43,3,000\) &  & 974.0007 & \({ }_{6}^{6} 59,500\) \\
\hline 18:14 & 22,077,0100 & 4,199,(\%) & 1,242, 11169 & 4, \(31.80,1081\) \\
\hline \({ }_{1 \times 15}^{1 \times 25}\) &  & \(3,717.000\)
\(4,361,0 \mathrm{~mm}\) & \(1,14 Y^{(0) 60}\)
\(479,6 \mathrm{O}\) & 7,931,061 \\
\hline 1 M .57 & 21, \(2666,1 \mathrm{NO}\) & \(4{ }^{4} 15010\) & S¢9), (\%¢0 & 20, 116,000 \\
\hline Total - & 1:0,876,000 & 29, \(8.11,14 n 1\) & 5,120, (50 & 966, 6766,01014 \\
\hline
\end{tabular}

\section*{Gold.}

The lotal import of pold in seven ywars to 18G6 has heen, bay
he taports of kold bullion and tlritish gold coln to motew, thita, Aluatralia, the Cape, llradis, the Weet
Thich would teare ates dec. may lee taken at Which would

\section*{Silver.}

The exports of ailver to Indla antl Clalna
liave veen 10, 织, 1 MM
The importa from the producing countries \(41,1 \mathrm{MH1}, \mathrm{OHM}\)
Making the amount of ailver abhied to the Europeat stock
Ant the estlmated Increase In the European stock of \(110,000,000\)
bullion
In some respects this estimate might be advantageously modified. But supposing it to be, as it may be presumed it is, nearly accurate, still it is obvious that, to get the total iddition made to the stock of Europesn bullion during the 7 years ending with 1866, we must add the bullion prodneed in Europe during the above period. And the latter being taken at \(1,500,000 \mathrm{l}\)., a-year, makes an ascrgregate sum of \(10,500,0001\)., which
alded to the above halance of \(110,000,10011\), makew the total increase amount to \(12(, 006,01001\)
llont, thourh immense, the demands whieh this fund has had to sistain have been equally immense. We have already seen that the coinarg of pold in France during the 8 years ending with \(\mathrm{fxi-}\) momonted to mo less than \(109,9 \times 7,714\), ; and during the 7 years ending with IN55, the perind ruferred to in the llank of lingland estimate, it amoned to \(8 \mathbf{i}, 085,2011\). A portion of this pio grantic sum was derived Irom Dutelh, linglish, and other Ehropean coin imported into Franec, and very eonsiderable portions were exported, partly to the Crimea, and thence to the atjucent Asiatic comntries, for supplies fur the French forces in that quarter, and purlly to the last by way of ligut Smyrna de. Still, however, we feel satistied it we shanll be far within the mark if we avsune that France has nbsorbed 35,0000, (000 of new goil, during the peries in question, in the shape of ein which is partly employed as currency und pardy honrded. (Nee, ill confirmation of the atatement
 And if wo be nearly right in this assumption, it follows that only \(56,5.51,(0001\)., or \(8,080,(16)\), a-veat, remains to supply all jurofre,-Ist, with new enis (ex France), and to make goorl the wear and low of the old coins; End, to supply the smos repluired for use in the arts; and 3rd, to supply those that are hoarded and carried away in the perkets of emigrants se. de. A very considerable additina has then mado to the metallic currency of be United Kingrlom duriug the 10 vears ending with 186ti, viz. \(51,865,78: 31\). of gold, and \(3,711,1001\) of silver; total, \(\$ 5,579,892 \%\) ? Owius, lowever, is our gold coins being exetupted from semonap, they bave no grenter value that an equal reight of standard bullion, and are exported indiferenly with the latter. Hence the necounts of the sum coined throw, if taken by themselve, little os no light on the increase or dimination of the enrency.
'The item of coins carried away by emigrats is of much more importance than is geverail supposed. Taking the entire number of eminasi from Lurope to the United States, Australia, ad all other places at 400,000 a-year, it is pretr certain that they do not take with them, at 4 average, less than \(2 l\). to 31 . in coin, besides pithe watches, rings \&c. Some cotimates mate de exports of bullion by emigrants nuch gham than this; but even on this very moderate byp. thesis it will amount to \(1,000,0001, a\)-year in only.
Hence, as compared with the outgoing the supply of bullion in Europe during the last vin or eight years, far from being in excess, has kea scanty rather than otherwise. And wibew 1 diminntion of the former, or an inereare of the latter, most people amongst ns will the but litid sensible of the influence of Californias and ta tralian gold.

Pust and probable future influence of the i: creased supply of builion on prices and on value.-The previous statements semen to be nit ficient to show that the present sapple of tee precious metals is not mure than adequate to axs the average existing demand, and that therate. there is no ground for anticipating a fall in then vajue unless the supply should be incrased at the demand diminished.

It is now (1869) 21 years since the inceat supplies of gold from California, anu 18 tat those from Australia, have beea poured int th markets of Europe and America; and ret ther has not. during that period, been snything fiky gencral rise of prices. On the contriry, the tim
o of \(110,000,0 \mathrm{mon}\), mahev to \(120,500,(0) 001\). the demands whien this ve been equally immeuse, at the coinuge of gold in ienrs crdimp with \(1 \times 3 / 4\) han 109,987, 1101 ; awl 1g with I85\%, the perind of lingland estimate, it il. A portion of this gi. from Dutch, linglish, and nported lnto France, and nported exported, partly tu e to the adjacent Asiatic or the French forese in the the liast by way of bisypt wever, we feel satistlet that a the mark if we assunte sed \(35,000,000 \%\) of new bod, ention, in the shape of ein, yed as curreney und partly firmation of the statement
 right in this assumption, is 50,0001., or \(8,080,000 \mathrm{a}\) a-reut, lineoje, - 1 at, with new exius minke grool the wear and low I, to supply the sums required nund 3rd, to supply those that rried away in the porkets of A very considerable aldition the metallic curreney of the ring the 10 years ending with 3l. of gold, and \(3,7 t 4,1091\) of 79,8921 . Owing, howere, to ag exetnjted from seimotace er value than an equal weight and are exported indifferanly lence the accounts of the sums taken by themselves, little of increase or dinimution of the
ins carricel away by enigntis importance than is geverat The entire number of emitrans e United States, Australian 400,000 a-ycar, it is prety lo not take with them, it 4 22. to 31. in coin, besides plita bome estmates naw emigrants much grate on by emigrants maderate bye ren on this rery noderatiak
unt to \(1,000,000 \mathrm{a}\) a-year in
npared with the outroing th in Europe during the last wim from being in excess, has ont an otherwise. and mid ot se former, or an incrace dite le amongst us will be but fint ftuence of Culifoniat and
sable future influerce of the is of bullion on prices and on in -jous statenents seffll to foply of s not more than adequate to tix ting demand, and that then io bers ad for anticipating a fainced e supply should inished.
69) 21 years since the incer in d from Califomia, aniu 18 tralia, have been poured ret f that perion, been anything lity rices. On the contraty, the \({ }^{\text {lo }}\)
of the majority of articles are as low at this moment a* they were at the same tine in 18io, while amen are lower. And of those that linve risen in price since the lat ter epoel, there is not one of which the rise may not be natisinctorily explained las somethinge pecaliar to itacli, anil aflecting either its deminnal or the conditions of its supply', ur buth. Thos, the rise that has taken plave in the rate of wages in (irent Itritain and in Irrland is ascribable, partly to the greater demand for latour, parde to the extalit to which embrition lias foen carried, and partly to the patato rot and tha consequent famine in lreland, and may be fally arconnted for in this way. 'I'here is, in trutli, nuthut whatever, in comparing the prices of today with those of 20 years nfo, to entitle any one to attirm that the value ot gold and silver has andergone nay npprechble ehange in the interval. That there is lout little probability that prices will be raised by a comtinuance of tho present supplies of gold and silver, may be inferred from what took place atter the discovery of America in 149\%. It appears from the researches of Adam Smith (Weulth of Nations, I vol. 8vo, p. 88), and other aathorities, that the influx of the prechons metals had excerted its full cflect upon prices previously to or about 16.40 ; and yet this intlax was much greater then and subsecpuently than it had been at any previous period. Accordiug to the best information attainable, the avernge annual importation of the precions metals from America into Eatrpe, from 149: down to 1810 , may be estimated as follows :-
\begin{tabular}{|c|c|}
\hline From 1994 to & 1.00 \\
\hline 15101 & 1313 \\
\hline 1545 & 1614 \\
\hline 1 lin & 1700 \\
\hline 1700 & 17.51 \\
\hline 13.59 & 1803 \\
\hline (n)3 & \(1 \times 10\) \\
\hline
\end{tabular}


In 1640 or 1650, when the bullion of Amerien had produced its full effeet on prises. in turope, its annual influx amonnted to nbout \(8,001,(000 l\). And yet, though its influx was nenrly trebled letween that eproch and 1803, it is almitted on all hand that, down to the last-mentioned year, there was no general rise of prices. The increased demand of Europe was fully suflicient to take ott this great incrense of suiply without any fall taking place in the value of silver. Indeed, it is contended by some high authorities that, insteal of falling, it ruse in value during the periol referred to. l'rices sose in this cuuntry subsequently to 1793 ; but this was entirely owing to the ditiliculties which the war then commenced thres in the way of importation, the waste of capital and the shock given to industrial undertakings which it occasioned, and the disorilers of all sorts incident to national struirdes.
There cun be no manber of doubt, not merely taat the quantity of the precious metals employed in Earope and Anerien is incomparably greater now than in the seventeenth and cighteenth centuries, hat that the demand for additional quantities is also incomparably greater. And when it been that their value conlinmed stamonary from 1650 to 1800 , despite the immense arlditional supplies that were thrown upen the market, there , it is phain, little ground for wonder that their ate iocrease, great as it has been, luns not affected hair value, or for anticipating that it will matebally deeline in the course of the next haldentury.
A fill in the value of the precious metals would, on te whole, be advantagcous.-Should it turn out that we are mistaken in these conelasions, and att a eonsiderable fall in the value of the precious
metals is nbout to commenee, it is satisfactory to know that there are no really tenable grombly for supposing that such fall will be publiely injurions. It is indeed impassible for any change to inke place in the measure of value withont its exercining an injurions infleme over a grenter or hiss mamber of individuals, Jhat if the loss it may intlict on \(\mathrm{A}, \mathrm{IL}\), mul C , be commorvaleal be the ndvantages which it conters on \(X, Y\), and \(\%\), its "Hect in a publie point of siew may not be percuptible: It in easy to sue that, in the ease now muldr consideration, the inconveniences resultins from a fill in the value of grold and silwer would be a good deal more than comperisated by the adrantages of which it would be prodnctive.
1. In the first place, we may observe that the mischicvons intlanee resulthig from a fall in the value of the precious metals teprends in great mansure on the mpindity with which it is brought about. It it were to take cffeet sudidenly, nud withont fiving my distinct warning of its approneh, it would be much more injurions than if it took effect slowly and gradually; for, in the former case, it is lifidient to take any measures by which to mitigate or avert the impending evil, whereas, in the latter, abundant opportunities aro aflorded for that being done; and though these were not taken advantage of, a change that is brought about by a slow and all but insensible progress is but little felt, at lenst when compared with one that takes place suidenly or rapilly. Now it is sulliciently eertuin, supposing the value of the precions metals to be in the end reduced, that that reduction will be a very slow process; and that anyone likely to be injurionsly nifected by its occurrence will have ample time to concert measures to secure himself, as far ns may be practicable, agninst its operation. 'That wo are warranted in coming to this conclusion is obvious. When an unprecedented influx of bullion has been going on for twenty years without having had any appreciable inthence over its value, it would be contradictory to suppose that it is nt all likely to be speedily and seriously affected by a continunace of the intlux.
2. Hut supposing that these anticipations should not be realised, and that the supplies of the precious metals should bo largely and rapidly increased, and their value reduced, the resnites are not of a kind that showld be depreented. 'In every kingrdom,' says llume, 'into which money begins to pour in greater nbundance than formerly, everything takes a new face: labour mad industry gain lite, the inerehnat becomes more enterprising, the manulacturer more tiligent and skilful, nud even the farmer follows his plough with greater alacrity and attention. Bat when gold and silver are diminishing, the worknan has not the same employment from the manafieturer and merchant, though he pays the same price for everything in the market ; the farmer cannot dispose of his corn and eattle, though he must pay the same rent to the landlord: the poverty, beggary, and sloth that mast ensuc are easily foreseen.' (Essay on Momey.)

Ihame appears to have supposed that the stimulus bo has so well described, which is given by an influx of money to industry, is oceasioned by the additional money coming first into the litnds of eapitalists, and enabling them to extend their lousinesses and employ more work-people. But though this would bave some influcnce, the philosophical historimn seems to have overlooked the mode in which an increase in the quantity, and a fall in the value of money, principally contribute to excite indust ry and enterprise. Sinch fill proportionnlly diminishes the many fixed money

\section*{l'lllClis}
prymentas that aro borme by tho indong rious chases. The prlees of commorlit lex vary with variations in the saben of mosery ; hereas tasem, rente, mortgages, mal wher peowiary burdens, comtinue Nationary for longer or stionter parlioks. I'he latter are ratod or specithod in cortain amomits of maney- lhase to whom these are chae laring obliged to reverve them in proment, thongh tho

 ghgement in whel the paymenten originate ; white
 them, however much the value of money tuis hase risern. Hemere the powerfit intluente of varialions in its value over the dillierent clases of of mocioty. Whens it dedinew, the debtor pertion, or thase who hate tixerl money payments to make, are bernetited at the experase of the creditur portion, or those who have such payments to revisu; and romersoly when it rises. Fimelhilders, anmuitants ot alf sorts, lambowners during the curreney of the lemses of their estates, mort -
 aceording to the diminutinn in the value of nemery ; for, thangh their ineomes andelams comtinne insmimally the same, their valae is really redured, mad they no longer lawe their former emmand ower medessaries and comentences. Itat while the farmer pays the same rent lior his farm, and the same thxe's to fiovernment, he vells his prodice lie a bride inerensed propertiomally to the redued value of money. Ame while merehants, mannfineturers, mad iradesmen pay the same datien on their goods, the same port iand marke dhes, the same tolls, the same rent for shops mal warehomes, the same rate of interest fier capital lorrowed, and sol on, they ohtain inereased prices for whatever they have to sell. In other words, the condition or these classes is improwed at the expense of their tamdords and creditors, and of ammitants, and other receisers of inomess which are either temporarily or permanently rednced thromph the fall in the value of monsy: The greater the fall, the morn advantageons for them ; and conversely.

Now, as fixed or statiomary pmymenta inclade the interest of the publice ilebt, as well as the many ontgoings of Govermbent which to not readily accommodate themselves to chauges in the vilue of money, with the rents of farms and honses let on lease, or unter equivalent agreemente, folldotien, the interest of mortgrages, and other stationary lonas, the payments to private annuitants and clerpymen, the fees of lawyers, physicians \&e., it is obvions that, in a comintry like this, they most amome in the ageregate to a vast sum. No doubt it sometimes, and inded not unfrepuently happens, that individuals belong to both elasses, or that they have tixed prayments to receive as well an to make, and that therefore neither the gain to the one party, nor the loss to the other, from thetuations in the value of money, is so great as might be at tirst supposed. Still, however, there is no rom for thoubting that the greater proportion ly far of tixed payments is made to the classes not engruged in lusiness or in industrin! modertakiugs by those who are; and hence the advantage which any consmleratile fall in the value of money contirs on the latter-t lant is, on those whose well-being, and that of the public, are commonly supposed to be identical. Such fall, by lightening the burden of taxation and of all tixed charges, increases oniversally the prodnctiveness of industry and the rate of protit. And it is hardly necessary to add that this inereased profit operates as a spur to produrtion, that it quickens all the operations of I rade, and ocensions an increased demand ter labour.

Thes opposite efferes follow when, lestad of fatling, the emreency leveromes move valualide Thaxamal tixcol charger leving then notmonem in
 they are promplylly lxome nre pipungrtumally


 doulbt that a falt in the value of money, howevir injuricue to hage chasses, is on the whele alo
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 trampling on its most sacred dety, alopt, to bemedit bille part of them, may manare which might le ingurimas to anolloer pars. land a fill in the value of the provions mercals colused thy the prentur fiucility of choir piraducthen, or by the discowery of onew sobures of smply, is a whally
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the the whole, therefiore, we are warranted in coneluding-1. That there has been no tall in the value of the precions melals, nuid more eperially in that of frold, churiug the 20 years endiats with
 grombla for anticipating a speedy or censiderable fall in the value cither of folld or silver; and 3. That suppesing a fill in the value of gold rate to take place, its alvantages would much mote than comblervail its alisalvantageous indume
lRWMIUM. [Insumance.]
IRICES. By the price of a commolitr is meant its value cutimated in moner, or, simply, the quantity of money tor which it will exchangh The price of a commodity rises when it fitcha more, and falls when it bitches less monev,
1. Irice of freely preduced Commoditat,-The exchangeable value of commodities-thatix, theis power of exchanging for or buying other wim-modities-depends, at any riven period, parly wo the comparative facility of their production, sod partly on the relation of the supply and demand If niny two or moro commoditics reypetifery required the same oullay of capital and latair in bring them to market, and if the supply of eat were andjusted exuctly aceorling te the effetal demand-that is, wero they all ir suffivent abundanee, and no more, to supply the wants is those able mud willing to pay the outhy ypo them, and the ordinary rate of protic at the time -they wonld each fetch the same pan, exehange for the same quantity of any chot commodity. But if any single evamolity shes lappen to recpuire lesw or more capital and hatort for its production, while the guanity equind 10 prodnce the others continued stationiary, its adou as compared with them, would, in the fistase full, and in the secoml, rive; nod, suppoing be cost of its production non to vary, its value might be increased ly a falting ofl' in the supply ef or an increase of demand, atid conversely:

But it is of inportance to bear in mind that all
follow when, baskent of secomes lumpe valuatle
 -atits of llume by whime wru" ara propurtionalls reased, nod tho nituatoin a changial for the worm. 1, ins it apperita for tia le a value of unney, humeves (ese) is ont lom whole ale (t will hot to thent ho
 a) renduetion of ita valur. ard or itholisume of value to ur int the wiy of inctaty to nut act of axtreme inis bomind to, pratert, ins as ifhts amil intorents of all nund it canamit, withomi sacred duty, abpot, to theu, buy meavire what numbler juat. Jhe a fall in tous thetals raused ly the is promlisitun, or by the dosors of styply, is a whully "lepremits in sio dyprop on the ors or the: deciniont of stata sut is the result uf ciscumo yourl human conifris, lot af rain infor a homge cure iny la' lrejudicial to ettata If to in incomparalily toater If whol are artively ehaged in tund is, sperking genetalf, el mal mlvintage. crelore, we ture warnanted in 1. Here has been twall in the mutals, mud more especially inf: the zal vears enaling with e do not nyicar to be any gind ationg a apecaly or cunsintable vither of rold o: silver; and a finll in the salne of gold were wlvintages would much mere A disadvantageous intluence. nsuledicem.
he price of a emmoditr is innated in monev, or, simpli, ey lor which it will exhante umodity rises when it fucho in it fotehes less mones. 1 predaced Comnondites.of commoitites-linat is, the ng for or bulytig other ais an cility of their productioni, and ton of the supply and deruase ro commodities rexpectirel? ullay ol capitsi and labuit to et, and if the supply in ent ly accoriling te tho effetes were thes all in suthicat inore, to supply the wanis a liug to jay the outhy apo ary tate of protic al thi lime fetch the same plus, Bunc gunutity of any the any mingle commodity spral ess or more capital nud batost vhile the guantity requind to comtinued stationary, its ram them, would, in the fins ase comd, rise; and, supposity the m hot to vary, its wisue ull, and eonsersels. tance to bear in mind that all
vatialiond of price ardink from noy diaproportion in the sapply and demand of nuch commondition sus
 ha changes in tho eomg of theit firombetion aro
 which iley originate, A Rellieral momorndigs ofersions of trunsiont rise in the prise of black

 manemby vary for flowe who provionaly manm
 forth matnitactaro omly hlach eloth; and Itic suphe feing ill this way increaned to the monse extent as than demmat, the price womblate sotle at its old hevel, Thence the impartamed of distint guishing le weem in varintion of frice originaling

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 will, ut no distant purionl, resort. to their aht level; in the later, the varintion will bu lamitns.
When the price ol' a trealve problued emmmodity nas or fialls, such varialion may evidently lo
 value, of ly vomethang mitereting tho valae of
 pise of fall, the linir gresenthption is that the chango is not in them, but in the money with whisels they are comprared. 'Ihis eonelasiond den'a not, howerer, apply in all cases; and we bedirve lhat most part of that fat in the price of commondites, whidi has taken pher sine the peace al \(\mathrm{JKI} \mathrm{h}_{\mathrm{t}}\), and which las betl modnerally nserilned to a rise in the value of money, ceasioned by it deedine in the productive ness of the mines, has been canser lope fle increasel productiveness of industry, nrisiatg from the abolition of oppressive rant ruints on eonnmerte. the opening of new and more nliundinat sumreas of supply, and the dincovery ol new menths and iaptored methods of production. [I'msesous I!xtus.s.]
2. Price of monopolised Cbmmorlitics,-Nxchnsive, hawever, of the commorlities now alluded to, thera is a considerable class whose producers or holkers enjoy either an absolute or a pratial monupoly of the supply. W'hen such is tho cane, prises depend entiruly or prineipally on the proportiun between the supply and demnma, and are not liable to be intluenced, or only in in seesondary degree, by changes in the cost of proalnetion. Antique statues and gems; the pictures of the great masters; wines of a peenliar flavour, produced in small quantities, is juarticular situations; ands few other articles, exist umler what may be called absolate puonopolios;-theis supply cannot be inereased; and their price must, therefure, depund entirely on the eampetition of thome who may wish to buy them, withont being in the alightest degree intluenced by the cost of their production.
Munopolies are sometines established by law; as when the power to supply the market with a particular article is made over to one individund it society of individuals, without noy limitation of the priee at which it may he suld; which, of course, enables those possossed of the monounly to txact the highest priee fir it lhant the eompretition of the buyers will ntiord, thongh such price may exceed the cost of production in any eollceivalle degree. Mononr. lies al this surt used to of Elimanon in England, purticularly in the reign of Elizaboth: but they were tinally abolished by the famous Aet of the 21 das. 1. (י, 3- Hil Act Which, by extablishing the freetom of competition it all businesses carried on at liome, has been
prulisetive of the grentent advantage. [MonoMolv, ?
"J'lo corn Inwe exablished a partial monopuly of the muphly of lireat thitain whla marn in favour of


 thent boblain a higher priter fir their pronlure
 daction, thongh, owing to lho perobtiar viremos entues moler which this ronnery is placod, this price was higher than lha priae in the surromblines
 was lifjurions to the pulif, withonl bejug of my
 rulture. Noither, inflerrl, coulil it be truly maid tos ho


'Ther rightes ronveyent hy photrits montedimes




 ordinnry rite of prollt. ' 'his mlvmutafe, however, ly atimalating invonlion, noml rarifing to new

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 "ul other inappreciabla ciremmatanses, momitimes
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tiencrally meakhtir, the wiplily of monopulised commodition is less liable to vary than the muphly of those which are fredy prondicerl; unt their pricos are commonly more alomily. llitt. there are varionar expeptions to lhis ruke, mul of these the eorn momopnly is chas. The erreat variations in tho larvests of partiondar romotrias, and their avarage emundity throughomi the worlil, expone a nation which slisits forcign comb out of its prorts to destructive vicimsituten ol price; I'run which it would enjoy a comprarative extimplion were the
 Sometines the expiration of a monoproly-n jutent, for exnmuph-bus oceasioned \(n\) sudilen anil extraonlinary incruse of supply, aud comsequent fall of price; cutailing, of ensurac, a serious lases on the holders of large stocks of foods prodinced utuler the monoproly.
3. New Nources of Supply.-The effect. on prices prodnced by the opening ait new markets, or new suarces on supply, are fimiliar to pery one. The fall that las laken phace in the price of pepper, and of most sorts of commonlities bronght from the liast, since the opening of the trade in 181.1, is a conspicuons prool of what is now stated.
4. Influence of War on Prices,-The elliset of war in obstructing the orilinary ehanmels of commercial intercourse, find occasioning extreme lactuntions in the supply and price of eommodities, is well known. In this respeet, however, the latter part of the war ended 1815 is, perhaps. entitled to a pre-eminence. We had then to denl with nu enemy who had extenden his sway over most part of the Continent ; aml who endenvoured, lse every menns in his power, toshut us ont of tho Contimental markets, Mr, Tooke has given, in his elaborate and valuable work on High and Low Prices, a varicty of details which atrikingly illas trate the effect that the regulations then adopted by the belligerent powers lind on prices. 'Among lic meass,' suys Mir. 'Iowe, 'devised by the ingenaity and enterprise of adventurers to elude



\section*{IMAGE EVALUATION TEST TARGET (MT-3)}


Photographic Sciences

or owercome the obstaeles presented by the alecrees of the enemy, one in particular, which was resorted to on an extensive seale, deserves mention, as illustrating in a striking manner the tegree in which those obstacles were calculated to incrense the cost to the consumer. Several vessels laden with sugar, eoffec, tobacco, cotton twist, and other valuable commodities, were despatehel from Enirland, at very high rates of freight and insurance, to Salonica, where the poods were lamderl, and thence conveved on mules and horses through Servia and llungary to Vienna, for the purpose of being distributed over (iemany, and, possibly, into France. Thus it might happen that the inhobitants of that part of the Continent most contiguous to this country could no. receive their sulpplies from us without an expense of eonveyance equivalent to what it would be if they were removed to the distance of a sea voyage twien round the flole, but not subject to fiseal and political regulations.' And in consequence of these, and other eanses of the same sort, Mr. Tooke mentions that the price of sugar in france, and other parts of the Continent, during the latter years of the war already referied to, was as high as 5s, and 6s, a pound; that coffee rose to 7 s. , indigo to 18 s., and se on.

But the sums charged for freight and insurance were the most extraordinary. Mr. 'rooke states that he has known instances in which the license, freight, and other charges on account of a vessel of about 100 tons burten, making a vovage from Calais to London and back, have amountell to the almost ineredible sum of 50,0001 ! A ship, of which the whole cost and outtit did not amount to \(4,000 \mathrm{l}\)., earned cluring the latter period of this war a gress freight of 80,000 . on a voyage from Bordeaux to London and baek. The freight of indigo from London to the Continent does not at present exceed \(1 d\). n pound; whereas it amounted, at the period referred to, to about 4s. Gd. (/figh and Low Prices, Ond cd. p. 212.)
5. Influence of Taxes on Prices.-It is unuecessary to dilate on a topie so familiar to every one. When a tax is laid on a commodity, its price necessarily rises in a corresponiling proportion: for otherwise the producers would not obtain the ordinary rate of protit, and would, of eourse, withdraw from the business. The rise in the price of several of the articles in the annexed table is principally to be ascribed to the temporary increase of taxation.

These statements will probably suffice to give our readers a general idea of the principles which determine the value of commodities. ' T 's go deeper into the subject would involve us in discussions that belong to political economy, and are among the most intricate in that science. The intuence of speculation on priees must not, however, be passed over in a work of this sort.
6. Influence of Speculation on \(2^{3}\) rices.-It very rarely happens that either the actual supply of any species of produce in extensive demand, or the intensity of that demmod, can be exactly mensured. Every transaction in which an individual buys produce in order to sell it ngain, is, in fact, a speculation. The buyer anticipates that the demand for the article he has purchased will be such, nt some future period, either more or less distant, that he will be able to dispose of it with a protit ; and the success of the speculation depends, it is evilent, on the skill with which he has estimated the circumstances that must determine the future price of the commodity. It follows, therefore, that in all highly commercial countries, where merchants are possessed of large capital3, and where they are left to be groided in the use of
them by their own discretion and foresight, the prices of commodities will frepucntly be very much influencel, not merely by the actual oecurrence of changes in the accustomed relation of the supply and demmad, but by the anticipation of such ehangos. It is the business of the mere. chant to acquaint himself with every eircumstance affecting the particular clescription of conmonities in which he deals. Ile endeavolirs to obtain, in: means of an extensive correspondence, the carbis: and most authentic information with respect tis everything that may affect their supply or t. maid, or the cost of their production; and if he lenrned that the supply of an article had failet or that, owing to changes of fashion, or to the opening of new clinmels of commerce, the demand for it had been increased, he would most likely be disposed to become a buyer, in naticipation if protiting by the rise of price, which, under the circumstances of the case, could hardly tail of taking place; or, if he were a lolleter of the article he would refuse to part with it unless for a ligher price than he would previously have accepted. If the intelligence received by the merchant bal? been of a contrary description-if, for example he had learned that the articlo was now frodued with grenter facility, or that there was a falling off in the demand for it, cansed by a change of fashion, or by the shutting up of some of the markets to which it had previously been admitiod -he woutd have acted differently: in this cas he would have anticipated a fall of prices, and would either have declined purchasing the artide, except at a reduced rate, or have eadeavoured to get rid of it, supposing him to be a holder br offering it at a :ower price. In consequeace of these operations, the prices of commolities is different places and periods, are brought com. paratively near to equality. All abrupt transitions from scarcity to abundance, and from abundane to searcity, are avoided; an excess in one case is made to balance a deficieney in snother, aud the supply is distributed with a degree of steadines and regularity that could hardly have been deemed attainable.
It is obvious, from what has now beea statel that those who indiseriminately condemn all with of speculative engagements, have never reffered on the circumstances incilent to the prosculio of every undertaking. In truth and reabitr, the are all speculations. Their undertakers ms look forward to perions more or less distat: at \(^{2}\) their success depends entirely on the sagaith with which they have estimated the probabilitr i certain events oceurring, and the influence widi they have ascribed to them. Speculation is therefore, really only another name for forexigu and though fortunes have sometimes been mil by a lueky hit, the character of a successful same lator is, in the vast majority of instances, duen him only who has skilfully devised the meand effeeting the end he had in view, and whe te outstripped his competitors in the julgment wit which he has looked into futurity, and uppe ciated the operation of causes producing disz effects. Even in the securest businesses, sud agriculture and manufactures, there is, and Ex be, a great, deal of speculation. An unlookedif change of season frequently disappoints the p parently reasonable expectations of those uth undertake the former; whil the equally pricions variations of fashion have to be enver tered by those engaged in the latter; and ax is, besites, liable to be affected by legisurim enactments, by new discoveries in the arts ad by an endless variety of cir י!mstances whidis is always very diflicult, ant sometimes quis
reretion and foresight, the will frequently be very aerely by the actunl octuraccustoned relation of the at by the anticipation of the business of the merelf with every circumstare - deseription of commodities e endeavours to obtain. his correspondence, the earlies nformation with respect th, - affect their supply or itf their proluction: and if pply of an article had failef. langes of fashiom, of to the els of conimerce, the demanal ased, he would most fikely e a buyer, in anticipation of of price, which, under the case, could hardly tail of were a holder of the artiele, urt with it unless for a ligher previonsly have accepted. If cived by the merchant hal deseription-if, for example. the article was now \(f\) woduced or that there was a falling for it, caused by a change of shutting up of some of the had previously been admittel cted differently: in this eare ticipated a falt of prices, and leelined purchasing the artide, 1 rate, or have catleavoured to osing him to be a holder, br wer price. In consequence the prices of conmolities is ad periods, are brought cumequality. All abrupt transitions bundance, and from abundane oided; an excess in one case is deficiency in another, and the tell with a degree of steadinas hat could hardly have bee
fom what has now been statel liscriminately condemn all wit ragements, have nevar refietux nees ineident to the prosedin ling. Their undertakers erionjs more or less distant: w pents entirely on the sagaint have estimated the probalilitrd curring, and the influeace whid Und to them. Speculation is bed to them, Specuraripu: ines have sometimes been mis te character of a successful spmast majority of instances, due th as skilfully devised the mearos il he had in riew, and who be conpetitors in the judgment mit ooked into futurity, and apth tion of causes producing disa the securest hasinesses, sidus manufactures, there is, andedie
of speculation. An ualookd of frequently disappoiats the tp able expectations of those former; whil the equalle no of fashion have to be encour engaged in the latter; and and ble to be affected by kgistatis new discoveries in the artis ariety of cir "mstances wim diticult, an! sometimes gais
impussible, to foresce. On the whole, indeed, the quins of the undertakets are so adjusted, that fose who carry them on obtain, at an average, the comaon and ordinary rate of protit. But the inequality in the gains of individuals is most cmmonly very great; and while the superior tact, inilustry, or good fortune of some enables thent to realise large fortunea, the want of disromment, the less vigilant nitention, or the bal fortune of others frequently reduees them from the situation of capitalists to that of habourers.
The great cotton speculation of 1822 j took its rise partiy and ehietly from a supposed defieieney in the suphly of eston, partly from an iden that there was a greatly increased demand for raw cotor in this country and the Continent, and partly from a belief thit the stocks on hand were punsunlly low. Now it is obvious that the suceess of those who embarked in this speculation sepeadal entirely on two circumstances; viz. first, that they were right in the fundamental ,upposition on which the whole speculation rested, that the supply of cotton was no longer commensurate with the temand; and seeozed, that their competition did not raise the price so high as to diminish the consumption by the manufincturess in too great a degree to enable them to take of the quantity to be actually brought to matket. If the merchants hat been well founded in their suppositions, and it their competition had not 1 vised the price of cotton too ligh, the giculation would certainly have been suceessful. But, instead of being well founded, tl hypothesis on which the whole thing rested was pertectly visonary. There was no deticiency in the supde of cotton, but, on the contrary, a great sulperabundance; and though there had been such a reticieney, the excess to which the price was carricd must have checked consumption so much as to oecasion a serious decline. The falling off in the imports of cotten from America in I 844 seems to have been the source of the deleion. It was supposed that this falling of was not accidental, but that it was a consequance of the price of cotton having been for a series of years so low as to be inadequate to defray the expenses of its cultivation. The result showed that this calculation was most erronemis. And besides, in cutering on the speenlation, ao attention was praid to Efypt and Italy -couatries from which only about \(1,100,000 \mathrm{lb}\). of cotton were obtained in 182.1, but from which no less than \(23,800,000 \mathrm{lb}\). were obtained in 1825 . 'This uulooked-for importation was of itself almost mough to overturn the combination of the speculators; and, coupled with the increased importatioa from America and other countries, actually occasioned a heavy glut of the market.
The risk to which merchants are exposed when they either sell off any commolity at a reduced price in anticipation of a fall, or buy at an alranced price in anticipatio \(n\) of a future rise, is a consequence principally ot the extreme difficulty of ascertaining the true state of the fact with respect to the grounds on which an abunhant or a deticient supply, or an increasing or decreasing demand, may be expected. Itules can here le of no service; everything depends upon the talent, tact, and knowledge of the party. the questions to be solved are all practical ones, rarying in every ease from each other; the skill
of the merchant being ovinced by the mode in wiich he eonducts his business under sueh ciramstances, of by his sagacity in diseovering Somins events. and appreciating their character wd the extent of their inlluence. Priority, but, bere all, actaraty of intelligenee, is, in such
cases, of the nimost consequence. Without wellatthenticated data to go upon, every step taken maty only lead to crror. The instanees, indeed, in whelh speculations, apparently contrived with the greatest juigment, have ended in bankruptey and ruit, from a deticiency in this essential requisite, are so very numerons, that every one must be acquainted with them. Hence the importance of selecting acute and cautious correspondents; and henes, also, the necessity of maturely weighing their reports, and of endeavouring, by the aid of information gleaned from every authentic aceessible souree, to ascertain how far they may be depended upon.

When a few leading merchants purchase in anticipation of an alvance, or sell in anticipation of a fall, the speculation is often pushed beyond all reasonable limits by the operations of those who are inlluenced by imitation only, and who have never, perhaps, rellected for a moment on the grounds on which a variation of price is anticipateal. In speculation, as in most other things, one individual derives confidence from another. Such a one purchases or sells, not because he has any really accurate information as to the state of the demand and supply, but because some one else lans done so before lim. The original impulse is thus rapidly extented; and even those who are satisfied that a speculation, in anticipation of a rise of prices, is unsafe, and that there will be a recoil, not unfrequently adventure, in the expectation that they will be able to withdraw before the recoil has begun.

It may, we believe, speaking generally, be laid down as a sound practical rule, to avoid having anything to do with a speculation in which many lave alroady engaged. The competition of the speculators seldom fails speedily to render an adventure that might have been originally safe, extremely hazarlous. If a commodity happen to be at an masually reduced price in noy particular market, it will rise the moment that different huyers appear in the fiell! and supposing, on the other hand, that it is fetching an nousually high price it will fall, jerhaps far below the cost of production, as soon as supplies begin to be poured in by difierent merchants. Whatever, therefore, may be the success of those who originate a speculation, those who enter into it at an advanced period are almost sure to lose. To have been preceded by others onght not, in such matters, to inspire confidence; on the contrary, it ought, unless there be something special in the case, to induce every considerate person to decline interfering with it.

The maintenance of the freedom of intercourse between different comntries, and the more general diffision of sound instruction, seem to be the ouly means by which those misealculations, that are often productive of great national as well as private loss, can be either obviatel or mitigated The eflects consequent on such improvident speculations being always far more injurious to the parties engagel in them than to any other elass, the presumption is that they will diminish, both in frequency and force, accorling as the true principles of commeree come to be better understool. But, whatever inconvenience may oceasionally flow from them, it is abundantly plain, that instoad of being lessened, it would he very muels increased, were any restraints imposed on the freedom of adventure. When the attention of many individuals is directed to the same line of speculation ; when they prosecute it as a businees, and are responsible in their own private fortules for any errors they may commit; they acquire a knowledge of the various circumstances



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Account of Contract Prices of Articles of Provision \&c. at Greenuich Hospital-continued.

influencing prices and give by their combinutions a stealiness to them which it is easy to see confo not be attainel by niny other means. It is naterial, too, to bear in mind, as was previously stated, that many, perhaps it might be said most, at those who press so cagerly Into the market, when any new elanmel of commeree is opened, or when any considerable rise of price is nnticipated, ate not merchants, but persons engaged in other businesses, or living, perhaps, on tixed incomes, who speculate in the hope of suddenly increasing their fortune. This tendency to gambling seldom fails to break out upon such occasions; but, fortunately, these are only of comparatively rare ocurreace; and in the ordinary conrse of athilirs mercuntile specuintions are lett to be conducted or those who are familiar with business, and who, in exerting themselves to equalise the variations of price caused by variations of climate and of sasons, nud to distribute the supply of produce moportionally to the effertive demand, and with so much providence that it may not at any time be wholly exhausted, perform functions that are in the lighest degree important and beneticial. They are, it is true, actuated only by a desire to advance their cwn interests ; but the results of their operations are not less advantageous than theee of the agriculturist who gives greater fectiity to the soil, or of the mechanist who invents new and more powerful machines.
7. Tables of Prices.-It is superthous, perhaps, to observe, that the precious metals are liable to all the variations of value already alluded to. Xot only, therefore, are prices, as was ulready remarked, allected by variations in the cost and supply of commodities, but they are also affected he changes in the cost and supply of gold and siber, whether arising from the exhaustion of old or the discorcry of new mines, improvements in the art of mining, changes of instion \&e. Hence it is that tables of the prices of commodities extending for a considerable period communicate far less solid information than is generally suppresel, and, unless the necessary allowances be made, mar leal to the most unfoundell conclusions. The cost or real value of any commodity depends oni the quautity of labour required for its production; but supposing that we were to set abont inferring this cost, or the ultimate saeritice reguired to ohtain the commodity, frem its price, it might happen (had the quantity of labour required for its production declined, but in a less degree than the quantity required to produce gold and silver) that its value would appear to rise, when it had really been diminished. When, how-
ever, the rate of wages, as well as the price of commodities, is given upon anthentic data, a table
of prices is valuable, inasmuch as it shows the extent of the command over the necessaries and sonveniences of life enjoyed by the bulk of the
3ommunity during the perior through which it the prices of various commodities, and of the rages paid to difierent descriptions of tradesmen,
\(t\) Greenwich llospital, extending over more than
00 years, is the most complete of the sort that has
en published, and is one of the fow that are
undect upon data the accurncy of which cannot be
mestioned. Unfortunately, it applies only to a
mall part of the country. lint many important nclusions may, netwithstanding, be dednced from The reader will find, under the more important ficles described in this werk, pretty ample accorn, these accounts go back to a very distant eorn,
Thase desirous of detailed information as to the
prices of eommotities in (ireat llitain, in remoter ages, may consult the elaborate tables in the 3ral volume of Sir F. M. Ellen's work on the P'oor; and the dth volume of Macpherson's Amals of Commerce. Arbuthot's Tables of Ancicat Coins, Weights, Measures, Prices §c, are well known ; but the statements are not nueh to be depended njon. The Traite de Me'trologie of M. I'ancton, Ito. I'aris 1780, is the best work on this curious and dillicult sulject.

I'RICE CURREN'I. A list or emmoration of varions articles of merchandise, with their prices, the duties (if any) payable thereon when imported or exported, with the drawbacks ocensionally ullowed upon their exportation de. Lists of this description are published periodically, generally once or twice a week, in most great commercial cities and towns.
IHMLAGE. A certain allowance paid by the shipper or consignee of goods to tho mariners and master of a vessel for loading the sume. In some places it is \(1 d\). in the pound; in others \(6 d\). for every pack or bule; or otherwise, according to the custom of the place.
l'RIN'TS. Impressions on paper, or some other substance, of engraving on copper, steel, wood, stone de., representing some particular subject or composition.
Prints, like paintings, embrace every variety of subject, and ditter very widely in the manner in which they are engraved. Their prices vary according to the style of the engraving, the tinencss of its execution, the goolness of the impression, its rarity \&c. 'Ihe art seems to have taken its rise in the 15 th century, But, as a dissertation on one of the most beantiful of the tine arts would he singularly out of place in a work of this sort, we have introduced it for the purpose merely of stating the law with respect to the copyright of prints.
This is laid down in the Acts 8 Geo. II. c. 13, 7 Geo. III. c. 38,17 Geo. III. c. \(67,6 \& 7 \mathrm{Wm}\). IV.c. 59 , and 15 \& 16 Vict.c. 12 . By these Aets, the copyright of nll sorts of prints, ineluding maps and charts, is secured to the engraver, or author, for twenty-eight years. The 17 Geo. I1I. c. 57 deelares that every indivilual who shall, within the said 28 years, engrave, etch, or work, or in any other manner copy in the whole or in part, by varying, adding to, oidiminishing from the main design; or shall print, reprint, or import for sale, or shall publish, sell, or otherwise dispose of any copy of any print whatever, which has been or shall be engraved, etched, drawn, or designed in Great Britain, without the express consent of the proprietor thereof lirst obtained in writing, signed by him with his own hand, in the presence of, and attested by, two or more credible witnesses-then every such proprietor may, by a specinl action upon the case to be brought against the person so offending, recover such damages as a jury, on the trial of such action, or on the execution of a writ of enquiry thereon, shall give or nssess, together with double costs of suit.
In questions as to the piracy of prints, the courts proceed upon the same principles that are followed in those with respect to the piracy of books. (Books; see also Mr. Gedson's excellent work on the Law of Patents and Copyright, pl. 287-301.) The piracy of prints by photograpluc copies is punishable by fine and imprisonment.
Regulations as to Importation.-Fcrmerly, where prints or maps were contained in and formed part of a book, and served merely to explain or illustrate the subject of such book, they were to be deemed a part of the work, and be charged with duty, by weight, as books; but when prints or maps were bound or stitched together without
letter-press, or wisen the letter-press was merely deseriptive of the prints or maps, thea they were to be charged with duty by tale, as prints or maps. (Min. Com. Cas, September 5, 1829.) But if satisfactory proof was adduced that prints or maps, though imported separately, really formed part of a work, they might be charged with the book thuty by weight; but in other cases they wore to be charged with duty by tale. (Treas. Order, June 2, 1830.)
l'ietures, sketches, and drawings, brought from the Coutinent, and accompanied by the proprictor, were to be admitted to enter free of duty, upon proof, by oath of the proprietor, that the same were wholly executed by him for his amusement, and not intended for salo in this country. (Treas. Order, August E, 1817.) All duties on imported priuts have been abolished. The importation of prints and photographs is considerable, amounting in 1867 to \(2,847,973\), of the value of \(62,825 /\).
PRISAGE or BUTLERAGE was a right of taking 2 tuns of wine from overy ship importing into England 20 tuns or more; which was changed by lidward I. into a duty of \(2 s\), for every tun imported by merchant strangers, and called butlerage, becanse paid to the king's butler. The term is now fallen into disuse. (Bluekstone.)

PRIVATEELS. Ships of war fitted out by private individuals, to annoy and plunder the public eneny. But before commencing their operations, it is indispensable that they oltain letters of marque und reprisal from the Government whose subjects they are, authorising them to commit hostilities, and that they conform strictly to the rules laid down for the regulation of their conduct. All private individuals attacking others at sea, unless empowered by letters of marque, are to be considered pirates ; and may be treated as such, either by those they attack, or by their own Government.
1. Policy of Privateering.-The poliey of this system is very questionable. It seems to be a remnant of that species of private war which is excreised by all individuals in carly ages, but which gradually disappears as society advances. And though by injuring individuals, it aggravates the suffering inseparable from national struggles, it has little or no tendency to necelerate their termination. Privateers rarely attack ships of war. Their object is merely to plander and destroy merchantmen. And experience has shown that it is not possible, whatever precautions may be adopted, to prevent them from attreking neutrals and perpetrating all sorts of abuses. The wish to amass plunder is the only principle by which they are actuated; and such being the case, it would be idle to suppose that they should be very scrupulous about abstaining from oxcesses. A system of this sort, if it be ever useful, can be so only to nations that have little trade, and that may expect to enrich themselves doring war by titting out privateers to plunder the aerchant ships of their enemies. In all other cases it seems to be productive only of misehief; though it is, of course, most injurions to those states that bave the greatest mercantile navy. Instead, therefore, of encouraging the practice of privatecring, a due regard to the rights and interests of humanity has lately suggested to the great Powers the expediency of abolishing it altogether. A few efforts had, indeed, been alrendy made towards this desirable object. Thus it was stipulated in the treaty bet ween Sweden and the United Provinces, in 1670̆, that neither party should, in any future war, grant letters of margue against the other. In 1767 Russia abstained from licensing privateers; and in the treaty between the United States and

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Prussia, in 1785, a stipulation was Inserted ss to privateers, similar to that in the treaty between Sweden and the United Provinces in 16\%5, (Martens, Essui concernant les Armateurs, 1794.) But it required some such convention and agreement among the great Powers as that which was hap. pily come to at Paris in 1856, to effeet its genetal abolition. [Neutrality.] Inasmuch, however, as the United States have not subscribed th declaration of 1856 against privateering, it is nos possible to say what might be the effect were a quarrel to cecur, if these continue the practice; and hence the following statements may be al. lowed to keep thelr place:-
2. Appointment of Privateers.-The captain of a privateer is nominated by the owners, who may dismiss him at pleasure. The commission ur letters of marque given to the owners authonive them to attack and seize the ships of the Powet or l'uwers specitled therein; but they are not to look uppin them as thair property, or to appropriate them, or any part of them, to their own use, till they have been legally condemued. Besides the stimulus afforded by the hope of booty, Govetament has been in the habit of allowing them 5 L for every man they may capture on board such enemy's ships of war or privateers. (33 Geo. 111. c. 66.) A privateer cruising under letters of murque against one state may, on obtainiar authentic information of hostilities being commenced by her Government against another, ca-ture its ships with full advautage to herself, The king has in all cases the right to release any pize previously to its condemontion; this beiag an implied exception in the grant of prizes by the Crown. (Chitty on Commercial Law, vol. i.c. B.

In some privatecring adventures, the crew afe engaged on the terms no prize no pay; and, in such cases, the produce of whatsoevor prizes may be taken roes half to the ship (for the owners, and half to the men, divided among them accorting to the articles of agrecment; but when the men sail for wages, the captures belong eutirely to the owners, except a small share, which is commonly stipulated to be given to the crew, orer and above their wages, in order to stimulate their enterprise. IBoth ways of arming are regulaced by the articles entered into between the owners and crews.

Privateers are forbidden from doing anythisg contrary to the law of nations, as to assanlt so enemy in a port or haven, under the protectiond any prinee or republic, be he friend, ally, or deto tral; for the peace of such place must be pre served inviolable. (Molloy, de Jure Maritim, book i. e. 3.)

When letters of marque are granted, it is nsua, in most countries, to exact security that the regro lations with respect to the conduct of privaters shall be observed. In Great Britain, a boud mus be given, as explained in Art. XV. of the anoexd regulations.

If privateers wilfully commit any spoil, depter dation, or other injury, on friendly of neurad ships, or on the ships or goods of their fellow sabjects, they are to be punished, according to the crime cither with death or otherwise; and the vessels are subject to forfeiture.

Whether or not a ship taken be larful prite. shall be tried in the Admiralty Court; and 10 slip or cargo, or part of a ship or part of a campl is to be sold, or disposed of in any way, till ditet judgment has been obtained.

If two ships with letters of marque accidentaly meet with a prize at sea, though only one ataco and take her, yet the other, being in sight, shall have an equal share of the prize, though be
pulation was inserted as to tlat in the treaty between 1 Provinces in 1675. (Marles Armateurs, 1794.) But convention and ngrement ers as that which was hapin 1856, to effect its general ITY.] Inasmuch, however \(s\) have not subscribed the gninst privateering, it is not might be the effect were a hese continue the practice; ing statements may be al-Inee:-
Privateers.-The captain of ted by the owners, who may isure, The commission or ;en to the owners authonse lize the ships of the Poweror in ; but they are not to look property, or to sppropriste them, to their own use, till ly condemued. Besides the the hope of booty, Governo habit of allowing them \(5 \%\) may capture on board such var or privateers. 33 Geo. treer cruisiag under letters of c stute may, on obtaiaing on of hostilities being comernment against another, carall advantage to berself. The ithe right to release any prize demnation; this being an 10 the grant of prizes by the Commercial Law, vol. i. c. B.) ring adventures, the crew are ms no prize no pay ; and, in luce of whatsoever prizes mat to the ship (for the ownets, a, divided among them acoodof agreement; ; but when the , the captures belong entirely pt a small share, which is com o be given to the crew, are ges, in order to stimulate their ways of armingr are regulated rered into between the owners
rbidden from doing anything of nations, as to assault in - haven, under the protection of blie, be he friend, ally, or pel cof such place must be pre (Molloy, de Jure Maritimo, marque nre granted, it is usuah to exact security that the regrto the conduct of privaters In Great Britnin, a boud must ued in Art. XV. of the annexd

Ifully commit any spoil, depre injury, on friendly or neutal ips or goods of their fellow sabbe punished, according to the death or otherwise; and the to forfeiture.
a ship taken be lawful prith the Admiralty Court ; and n hart of a ship or part of a carto sposed of in any way, till afte: n obtained.
h letters of marque accidentalis at sea, though otily one amat the other, being in sight, shall hare of the prize, though be

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afforded no assistance in the capture; because his be always \({ }^{2}\) ) of every ship or vessel so brc afht inpresence may be presumed to bave struck terror anto the enemy, and made lim yield; which perhaps be would not havo done, had his conqueror beea single: so that all shlps that are in sight, though they cannot come up to assist in the ensarement, inre entitled by the common law to a distribuion of the spoil. (Beawes, Lex Mercutoria, art. ' Privateers.')
If those to whom letters of marque are granted, sould, instead of taking the ship and goods appraining to that untion against which the said letters nre awarded, wilfully take or spoil the tookls of another untion in amity with nes, this would amount to piracy; and the persons so offending would, for such fault, forfeit their vessel, and the penalties in which their securities are, accorliog to custom, bound on takiug ont such batters. lhat such penalties would not follow unless the enpture were made in a piratical manner. For if the circumstances jucident to the captured vessel were such as to afforl a strong presumption that ste really belonged to the country against which the letiers wero granted, the captors would not be linble to punishment, though they might be to damages. 'It being possible,' sars Beaves, 'always to determine mulfair of this sort at sea, it is allowable to bring a dubions eqpture into port, in order to more nice and just serutiny and inapection; otherwise the goods of sn enemy woukl often escupe. However, to quath against unlawful seizures, the Government have wisely directed sufficient caution to be given (as before mentioned) for the lue observance of the letters according to law, before they permit their issuing; and when there is a breach committel. the penulties are inllieted.' (Lex Mercabria, art. 'Privateers.')
3. Regulations for the Gorernment of Prirateers Sc.-The following instructions to privateers were issued under an order in council, at the eummeneement of the last war with France, May 16, 1803:-
Art. 1, Against what, and where, Letters of Marque may act Hostilely.-It shall be lawful for the commanders of ships authorisel by letters of marque and reprisals for private meli-of-wnr, to set unon by force of arms, and subthe and take, the men-of-war, ships and vessels, goods, wares, and merehandises, belonging to the French republic, or to nuy persons being subjects to the French republic, or inhabitants within any of the territories of the lirencli republic; but so thant no hostility be committed, nor prize attacked, seized, or taken witain the harbours of prinees or states in amity with us, or in their rivers or ronds, within the shot of their cannon, unless by permission of such princes or states, or their commanders or tovernors in chief of such places.
Art. 1I. Captures to be brought into Port.-The commanders of the slips and vessels so nuthorised as aforesaid shali bring all ships, vessels, and goods, which they shall seize and take, into such port of England, or some other port of our dominions, as shall be most convenient for them, in order to have the same legally adjudged by our High Court of Admiralty of Eugland, or before the julge of any other almiralty court, lawfinlly authonsel, within our dominions.
Art. III. Conduct of the Captors after the Capaure is brought into Port.- After such ships, vesels, and goods shall be taken and brought into any port, the taker, or one of his chief officers, or some other person present at the capture, slall be be, 3 or to bring or send, as soon as possibly many of the mor 4 of the principal of the company (whereof the master, supercargo, innte, or boatswain, to
to port, betore tho juige of our IIigh Court of Admiralty of Englani, or his surrogate, or beforo the juilge of such other admirnlty court as within our dominions, lawfully nuthorisod atoresaid, or such as shall be lawfilly commissioned in that behalf, to be sworn and examinet upon such interrogntories as shall tend to the diseovery of the truth, concerning the interest or property of such ship or ships, vessel or vessels, and of the grools, merchandises, und other effeets found therein; and tho taker shall be further obliged, at the time he produceth the company to bo examined, and before any monition shall he issued, to bring in nnd deliver into the hands of the judge of tho 1ligh Court of Admirnlty of Einglend, his surrogate, or the judge of such other admirulty court within our dominions, lawfully nuthorised, or others commissioned as aforesnid, all such papers, passes, sea-briefs, charterparties, bills of lading, cockets, letters, and other documents and writings, as shall be delivered up or found on hoard any ship: the taker, or one of his ehief offieers, or some other person who shall be present at the cupture, and saw the snid papers and writings delivered up, or otherwise tound on board at the time of the capture, making onth that the suid pupers and writings are brought and delivered in as they were received and taken, without any fruud, addition, abduction, or embezzlement whatever, or otherwise to account for the same upon onth to the sitisfaction of the court.
Art. IV. Not to break Balk before Judgment,The sluips, vessels, goods, wares, merchundises, and effects taken by virtue of letters of marque and reprisals as nforesaid, shall be kept and preservel, and no part of them slinll be sold, spoiled, wastod, or diminished, and the bulk thereof shall not be broken, before juilgment be given in the lligh Court of Admiralty of England, or some other court of admiralty, lawfully authorised in that behalf, that the ships, goods, or merchandises are lawful prize.
Irt. V. Privaterers toassist Ships in Distress.If nuy ship or vessel belonging to us, or our subjeets, shull be tound in distress by being in flght set mpon or taken by the enemy, or by reason of any other aceident, the commanders, oflicers, and company of such merchant ships or vessels as shall have letters of marque and reprisals as aforesaid, shall use their best endeavours to give aid and succour to nll such ship and ships, and shall, to the utmost of their power, labour to free the same from the enemy, or any other distress.

Art. VI, Applicution to the Admiralty for Letters of Marque. - The commanders or owners of such ships and vessels, before the taicing out letters of marque and reprisals, shall make applieation in writing, subscribed with their hands, to our higlı admiral of Great Britain, or our commissioners for executing that oflice for the time being, or the lieutenant or judge of the said High Court of Admiralty, or his surrogate, and shall therein set forth a particular, true, and exact description of the ship or vessel for which sueh letter of marque and reprisul is requested, speeifying the burden of such ship or vessel, and the number and nature of the guns, and what other warlike furniture and ammunition are on board the same, to what place the ship belongs, and the arme or names of the principal owner or owners of such slip or vessel, and the number of men intended to be put on board the same, and for what time they are rictualled; also the names of the commanilers and otficers.

Art. VII. Correspondence with the Admirally.The consmanders of ships and vessels having

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latters of marrue and reprisals ats aforesaid shall hold and keep, and are herely elijoined to hold and kecp, a correspondence, by all conveniences and upon all ofcasions, with our high almiral of Great Britain, or our commissioners for executing that otlice for the tine being, or their secretary, so as from time to time to remiler or give him or then, not only an neconnt or intelligence of their eaptures nud procedings ly virtue of such commission, but also of whatever else shall seem unto them, or be diseovered nud declared to them, or found out hy them, or ly examination of, or conference with, any mariners or passengers of or in the ships or vessels taken, or by uny other ways or ineuns whatsoever, touching or concerning the lesigns of the enemy, or any of their fleets, ships, vessels, or parties, mand of the stations, seaports, and places, and of their intents therein; and what slips or vessels of the enemy bound out or home, or where cruising, ns they shall hear of ; nal of what else mnterint in these cases may arrive at their knowledge; to the end suth course may be thereon taken, and such orders hiven, na may le requisite.
Art. VIII. What Colours a Privateer is to wear. - No commander of any ship or vessel haviug a letter of naritue nal reprisal as aforesaid shall presume, as they will answer it at their peril, to wear any jack, pendant, or other ensign or colours usually borne by our ships; but, beside the colours usuall: borne liy merchants' ships, they shall wear a red jack, with the union jack deseribed in the canton, at the upper comer thereof near the stntr.
Art. IX. Nut to ransom any Capture,-No commander of any ship or vessel having a letter of maryue and reprisal as aforesaid, slall ransom, or agree to ransom, or quit or set nt liberty, any ship or vessel, or their cargoes, which shall be seized ant taken.

Art. X. To deliver their Prisoners to the proper Commissioners,-All captnins or conmanding ollicers of slips laving letters of marque and reprisals shall send an aceount of, and deliver over, what prisoners shall be taken on buarl nuy prizes, to the commissioners appointed, or to be appointed, for the exchange of prisoners of war, on the persons appointed in the seaport towns to take charge of prisoners; and such prisoners shall be subject only to the orders, regulations, nand directions of the said commissioners: and no commander or other officer of any ship, hnving a letter of marque or reprisal as afuresnid, shall presume, upon any pretence whatsoever, to raasom any prisoner.
Art. XI. Commission forfeited for acting contrary hereto.- In case the commander of any ship, haviug a letter of marque and reprisal as aforesaid, shall aet contrary to these instructions, or any such further iostructions of which he shali have due notice, he shall forfeit his commission to all intents and purposes, and shall, together with his bail, be proceeded against according to law, and be condemaed to costs and damuges.
Art. XII. Copies of Journals.-All commanders of ships and vessels having letters of marque and reprisals shall, by every opportunity, senal exact copies of their journals to the Secrotary of the Admiralty, and proceed to the condemnation ot the prizes as soon as may be, and without delny.

Art. XIII. To observe all Orders,-Commanders of ships and vessels having letters of marque and reprisnls shall, upon due notice being given to them, observe all such other instructions and orders as we shall think fit to direct from time to time for the better carrying on this service.

Art. XIV. Violatine these Instructions,-S:" persons who shall violute these or any uifler of our instructions shall be severely punished, and also required to make full reparition to pwewnis injured contrary to our instructions, for all \(\|_{1}\). mages they shanl sustain by any eqpoture, em. bezzlement, demurrage, or otherwive.
Art. XV. Bail to be giten. - Hefore nny letere.t margue or reprisal for the purpose atoresail wall issue muler sen], bail shall be givell with suretio, betore the lieutenant and judge of our lligh funs: of Admiralty of Singland, or his surfogate, in the sum of \(\mathbf{3}, 0000 /\) sterling, it the ship earries atwe L50) men; and if a less number, in the sum of \(1,501)\) sterling ; which bail slall be to the effot and in the form following:-
Which day, time, and place, personally appana and
ho submitting themerlves to tiv
jurisdiction of the High Court of Admiralty Angland, whliged themselves, their heirs, exeytors, and ndministrators, unto our Sovereign lent the king, in the stim of f lawful muney of Grent Britain to phan that is to say, that whereas
is duly anthorised by letters of nargue and po prisuls, with the ship colled the of the burden of abont
of he the said
tons, where by force of arins to attack, surprixe gath: take all ships and vessels, goods, wares andme. chnalises, chattels and effects, belongur to be French republic, or to any persons being subjeth of the French repullic, or inloabiting within an! of the territories of the French republic: exapp. ing only within the harbours or roads within dis of the cannon of prinees and states in amity yiad lis Majesty. And whereas he the said
hath a copy of certain in-
structions, approved of and passed by his Mjastr in eouncil, as by the tenor of the said letters of margue and reprisals, and instructions thentore lating, more at large appearetit: if, therever, ph thing be done by the said
or any of his oflicers, marioen, company, contrary to the true meaniar of te said instructions, and of all other instrutis which may be issued in like manuer hereatua and whereof due notice shall be given him: to that such letters of marque and reprisals antres: and the said instructions, shall in all particultr be well nad duly observed and performed, as is as they shall the snid ship, master, and compur: any way concern; and if they shall give of satisfaction for any damage or injury which its be done by them or any of them to any of Mnjesty's subjects, or of foreign states in anir with his Majesty, and also shall duly and tre pny, or cause to be pnit, to his Majesty, ot tu customers or officers appointed to receive theso for his Majesty, the usual customs due to b Majesty, of and for all ships and goods si aforesaid taken nad adjudged as prize; and was over if the said
shall not take any ship or vessel, or any giv or merehandise, belonging to the cnemy, of the wiso liable to confscation, through consel 1 . clandestinely, or by collusion, by virtue, a lour, or pretence of his said letters of mint and reprisals, that then this bail shall be tid and of none effect; and unless they shall wis they do all hereby severully consent that est cution issue forth against them, their beise er cutors, and administrators, goods and cartib wheresoever the same may be found, to the raz of the sum of
poutuls before meationed; and iots

11/ these Instructions, - IIl olite these or uny uther uf 1 he severely puribivel, and o tull reparation to jurpon our iustructions, for all H. tustain ly any rapiuse, chi. ge, or otlierwise. ge, given,- Ihefore suly lettrit or the purpose aforisaid \({ }^{\text {dall }}\) I slagll be given with sarem. and judge of our lligh Gour: gland, or his surtuserate, in the ing, if the ship carries aluw less number, in the sum in ich lail shall be to the eflot owing:-
ud place, persomally appasol nul
submittling themadlea to the Iligh Court of Admiraliy ui hemselves, their heirs, expro. ators, unto our soverejn hel in of
pomit, Great ; whereas
by Jetters of maripue and pe iip called the en of abont
tons, whore.
Goeth mavi, to at tack, surpuise, suize, wis vessels, grools, wares, and wor s and effects, belonging to tee or to any persons becing sulject or to any pers, of inhabiting within an of the French republic; csapthe larbours or roads within sh: princes and states in amity witi did whereas lie the said
hath a copy of certain in. verl of and pussed by his Majest ved the tenor of the sxid lettes of isals, and instrnctions thentore arue appearetin: if, therfore, wi the said
or any of his oflicers, mariners, of ary to the true meaning of the s , and of all other instructios issued in like manucr herath z notice shall be given him; lo of marque and rejrisals afirevi structions, shall in all particelin strictions, shan perved and performed, as it e said ship, master, and cumpars rn; and if they shatl give he any damage or injury which the m or any of them to any of ete, or of forcign states in amy y, be paid to shall duly and tro be paid, to his Majestr, of
ticers appointed to receire the ss thecrs appointed usual customs due to th d for all ships and goods wi and adjudged as prize; and mirk
any ship or vessel, or any \(\boldsymbol{p}^{\text {wh }}\) belonging to the enemy, ot otbi , belonging tons, throngh consed a or by collusion, by virtue, th ree of his said letters of mara that then this bail slall be rix fhat then and unless they shall wots hereby severally consent that est orth against them, their beis dministrators, goods and chattis dministrators, be found, to the rat
he same may be uds before mentioned; and into

PROMISSORY NOTES
miny of the truth thercof, they have liereunto mincribed their names.

Ily his Dajesty's commanil.
(Nignel) I'EL.HAN.
 wa; Kixchavar:, Hit.Ls or.
PROTEC'ION. In ('ommeriml Iderislation, mand the protecting or loolstarime up of certain Lrames of domentic indestry liy prohiliting the ampration of the protuce aif such liranelies firom shmal, or loaling it when imported with heavy hutes, Jhis poliey was at ono time malversally ansient. lint its extremely injurions inthenes hanine hecn demonstrated c ver num orer again, it his twen abandoned by all intelligent statesmen. In! notwithatauding the powerfil intorests ly which it was surported, it has nearly, it not elitirels, disappeared from onr legislation; and it will, wo duibt, eventunlly disaprear from the legislation of all comntrios.
In Deremtile Nivigation, protection is a priviketc granted to certain desuriptions of seamen, lo which they are secured against impressment. [MPRESSMENT]
Plovislonis. Under this term, taken in its most extensive sense, in reforence to man, may the comprised all those articles waed as find by the inhabitants of this and other conntrices; but movg Britisk merelants and in parlianocutary languape it is understood to comprise onty fresh anid sultel butchers' meat, hanns and bacon, butter and cluese, egigs, and a few other articles. We shall, however, include with these, in the following statement, an account of the inports of cattle.
Onf readers are aware that previonsly to July 9 , 1852, the importation of cattle, slicepp, and liogs, and of all sorts of fresh butchers' ment, was prolibitel!; sud that a duty of 12 s . per ewt. was inn-

PRCSSIAN BLUE
111\%
posed on all foreign sult meat when chtered fur consmmption, and of exs. per ewt. ols hacon and lians. Jhit in the 'Taritl' Aet of 1812, which came into operatus at the above ila, the prohibition of importing foreign cattle, sheelp, hogs, and tresh Inont was repenled, and their entry fir lome consumption almitted under reasomable duties; the duty on salted meat being, at the wame time, reduced from 12s. to \(\mathrm{K}_{\mathrm{s} \text {. , and that on bacon and hums }}\) fiom exn. to Ifs. per ent. We pulilislicel nt tho time a short trmet (.13cmoramlums on the proponied Introduction of Horcign Beef and Cutte), in which we ensleavourod to show, by compaing the prioes of eattle in the aljoining comatries and in Finglund, that this whe and diberal measmre would not have the etlices that were anticipated in reducing the price of stock in this eomstry. lixperieme showed that we were right lin this anticipation, the imports of cat tle and sheep being eomparatively inconsiderable. Sir liobert 1'oel, protling by this experimee, rejeated, in 1846 , the dinties imposen in \(181:\) on the importation of rattle, sherp de. And the result has more than justitled the somblwess of the principles on whichithat preat minister proceeded in takiug this step. 'l'he imports of stock have been considerably, but not freaty, increased in the interval. And, tiar from being injured by lis libernl procendings, the frnzins farmers have gatued inmensels ; mul it is ndmitted, on all laands, that catile and sheep have piad better of late vears (except during the cattlo pharuc) than ever they dide at any antecelent period. It is, in trutli, much easier to impurt supplies of corn than of beef or mutton; and the probability seems to te that our tarmers will in time to come apply themselves rather to the promluction of the latter than of the former. The taxes 011 butter, cheese, and eggs were repenled in 1860.

Account of the Numbers and Fiblues of the Cattle, Sherp, IIoys \&.c. Imported into tho United Kinydom in 1867.


It isimpossible tosay in how great a degree these importations may be increased in time to come; but it is most probable that they will be gradually augnented necording as löreigners becone better acquainted with the qualities suitable for our markets. But we have no illea that they will ever amount to any considerable proportion of our supply. The cheapneas of cattle and provisions in foreign markets, of which we used to hear so mucl, was in great part imaginary ; and where it did oceur, it depended more on the difficulty of conveying them to other markets, or on their inferiority, than on anything else. The mports of fat eattle, though they were trebled, rould not do our graziers the smallest injury; Ind the importation of lean cattle, far from being murious, would be highly for their interest. The graat existing desideratum in our agriculture thens moment is, in truth, the want of markets thence we inight import lean or half-fed stock. The demand in this country for all sorts of utchers' meat is quite immense; and the land nitable to the rearing of eattle is too circumseribed
to afforl a sufficient supply, INence the high price of beef and mutton as compared with corn, [Brean; Fish; Fruit; Vegetables.]

PlUUNES AND PRUNELLOES. A species of dried plums, of which there are many varietics. The tinest are imported from France, in the south of which this fruit is very abundant. The best prunes are packed in hampers or haskets made of white osiers, weighing from 6 to 10 lb . each; the second quality in glarters, and the third in puncheons. 'Íte duty on prunes, which was previously fixed at the extravagant rate of 27 s. © \(d\). per cwt., was most properly reduced in \(18.3 \cdot t\) to 7s. per cwt., the present rate. This reduced duty proluced, in \(1867,6,8\) i81., showing that 19,647 ewt. had been entered for consumpition. I'reviously to the reduction of the duty, the entries seldem exceeded \(6,000 \mathrm{cwt}\).

PRUSSIA. [Könıgsnerg; Memel; StetTIN; ZoLINEREIN ; \&C.]

PRUSSIAN BLUE or PRUSSIATE OF IRON (Ger. Berlinerblau; Fr. bleu de Prusse; Ital. azzurro prussiano; Span, azul de I'rusia;

\section*{1146 PIRUSSIAN COMMERCLAL UNION}
lunss. lasor llexlinskaja). A beautitul deep hlue povader, accidentally discovered at Berlin in 1710. It is of considernble hinportance in the arts, being extensively used by painters: it is manufactured In this comitry. Nany attempts have been made to render Prusslan litua available for the dyeing, of broad cloths, but without much success. The dilliculty is to diffuse the colour equally oyer the surface; for from its extruordinary vivacity and lustre, the slightest inequalities strike and offend the cye. Prussian blue resists the air and sun extremely well; but it cammot be used in the dyeiug of cottons, or any shert of stuff that is to be wayhed with soap, as the alkali contnined in the sonp readily dissolves and sepurates the colouring matter. (Bancroft On Colours, vol, ii. pp. 60-94.)

Ihue is a favourite colour with the Chinese, and in 1810-11 the imports of Prassian blue into Cunton from lingland amounted to 1,899 piculs, or \(253,200 \mathrm{ll}\). But for some years past the Chinese have not imported a single pound weight. The cause of tho cessation of the trade deserves to be mentioned. A common Chinese sathor who came to England in an East Indiaman, having frequented a ananufactory where the drug was prepared, learned the art of making it ; and on his return to China le eatablished a similar work there, with such suecess that the whole empire is now amply supplied with native l'russian blue. The West has derived many important arts from the East; but we incline to think that this is the first wellauthenticated instance of any art having ever been carried from the West to the Jast, hy a native of the latter. But, in all that respects industry, ingenuity, and inventim, the Chiuese are inconparably superior to every other peophe to the east of the Indus.

IRUSSIAN OI; GERMAN COMMERCIAL, UNION. [Zotivimens.]
PUBLICANs. Persons nuthorised by lieense to retail beer, spirits, or wines. Under the term publicuns are comprised inn kecpers, hotel keepers, alchouse keepers, keepers of wine vaults \&c. An inn differs trom an alehouse in this-that the former is a place intended for the lodging as well as the entertainment of guests, whereas the latter is intended for their entertainment only. If, however, ale or beer be commonly sold in an inn, as is ninost invariably the case, it also is an alehouse; and if travellers be furnished with beds, lodred, and entertained in an alehonse, it also is nn inn. It is not material to the character of an innkeeper that he should have any sign aver his door; it is sufficient that he makes it his business to entertain passengers and travellers, providing them with lodgings and other accommodation.
1. Licensing of Publicuns.-The provisions with respect to the licensing of public houses are embodied in the 9 Geo. IV. e. 61, of which we suhjoin an abstract.

General Mectings.-There shall be annually hokden in county divisions, cities, and towns, a special session of justices, to be called the 'General Annurl Licensing Meeting, for the purpose of sranting licenses to persons keeping or about to keep inns, alchouses \&c.; such meetings to be held, in Middlesex and Surrey, within the first 10 days of the month of March; and in every other place between August 20 and September 14, both inclusive.

Notice of General Meeting.-Within every division, 21 days before the annual licensing meeting, a petty session of justices to be held, a majority of whom shall tix the clay and hour for holding the general annual meeting; and shall direct a precept to the high constable, requiring him, within 5 days after the receipt thereof, to

\section*{PUBLICANs}
order the petty constables to affix on the dimer \(0_{i}\) the church, chapel, or other public place, a \(n\) tio of such annual meethig, and give or leave at dwelling-house of ench justice acting fir the division, and of each person keeping an inn, ot who shall have given notice of tis intention to apply for a lleense to keep nu im, a copy of sueh notice. (Sec. 2.)

The anmual meeting may be adjoutned, but the aljourued meeting is not to be hell on any of the 5 chays Immediately followhy the adjoumment and every adjourmient to be held in the marth of March in Mliddlesex and Surrey, and in luguth or September in every other county. (Sec. 3.)

Sessions for Transfor of Sieensess.-At the annual mectiug, justices to nppoint not less than \& nor more than 8 specinl sesslens, to he held as neav as possible at equidistant periods, for the purpose of transferrhig licenses. (Sec. d.)

Notice of holding any ndjeurned meetings, or of any eprecial session for the transter of licenven, to be given in the same manier nad to the same parties as mentioned above. (Sec, b.)

Justices disqualified, - No justice who sa a common brewer, distiller, maker of mnlt for rale ot retailer of matt or nny exciseable liquor, shalla: or be present at any anmal licensing meeting of adjournment, or specinl session for transferiag licenses, or take part in the adjudication upon any application for a Heense, or upon an appeal; nor in the caso of licensing any heuse, of which he is owner, or afent of tho owner, of of ans house belonging to nny common brewer, make of malt \&c. to whom he shall be, either by blood or marringe, the fither, son, or brother, or with whom he shall be partuer in amy other trade: in any of these cases knowingly or wilfully to act, subjects to a penalty of 100\%. But disqualification does not arise, where a justice, having nobeneficial inte \(\cdot\) est in a house licensed or about to be lictased, holds only the legal estate therein as thase of for \(n\) charitable or public use. (Nec, 6.)

When in any liberty, city, or tow 1,2 gualifed justices to not attend, the county justices mar act. (Sec. 7.)
The power fiven to county justices gut to extend to the Cinque l'orts. (See, 8.)

Questions respecting licenses to be determiged and licenses to be signed, by a majority of the justices present. (Sce. 9.)

Application for a license.-Persons intend ing to npply for a license to a house not bejare licensed to nflix a notice on the door of such house, and on the door of the chureh or chaped the parish, and, where there shall be no chuth or chapel, on some other conspicuous phay within the parish, on three several Sundays, be tween January 1 and the last day of Fobruarrin the counties of Middlesex and surrey, and dis where between June 1 and the last day of Juls. at some time between the hours of 10 is the forenoon and 4 in the afterooon, and shall sertes copy of such notice upon one of the orersers of the poor, and upon one of tho constatles of peace-officers of the parish, within the month February in the counties of Middlesex and Suren. and elsewhere within the month of July, prise the annual meeting; sueh notice to be in a legik hand, or printed and signed by the applicast The application must state the Carislian and surname of the party, with the place of his reil. dence, and his trade or calling during the 6 months previous to the serving of the r.tite (Sec. 10.)

Notice to transfer license.-Persons desirosos transferring a license, and intending to apply th the next special sessions, must, 5 days previould,
les to aftlx on the (awor \(0_{i}^{\circ}\) sther public place, a estice fo and give of leave at the oh justice acting fur the perwon keeping an ina, if notice of this intention to ceep an finn, a copy of surk
may be adjoumed, but the not to be hedd on any of the bllowing the adjoumment, t to be held in the month of and Surrey, and in Nugust other connty. (Sec, 3.) rof Licenses.-At theannual appoint not less than I wor essions, to be held as near a t periods, for the purpuse of (Sec. 1.) any adjourned meetings, of for the tramsiter of licenes, one mamer and to the same alove. (Sec, b.)
d.-No justice who 2 a comc, maker of malt for sule, it iy exciseable liquer, shallat annual licensintr meeting of ceinl seasion for tranufetring urt in the adjudicatien upor l leense, or upom an appeal; icensing any leuse, of which ent of tho owner, or of any nuy conmmon brewer, maket an lie shall be, either liv blood ather, son, or brother, of with partner in any other trade: in knowingly or wilfully to act, y of 100 . \(^{\text {. } 13 \text { ut disqualification }}\) c a justice, having nobeneficial licensed or about to be licensed, al eatate therein as thatce ot public une. (Sce, 6.) herty, city, or town, ? qualifiel tenil, the county justices may
en to county justices not to we l'orts. (Wec, 8.)
tinft licenses to be determixed, signed, by a majority of the (Hec. 9.)
a Lictuse.-Persoas intendlicense to a heuse not before notice on the deot of snch loor of the church or chapel of here there shall be no churd owe other conspicuous plawe on three several Sundoys, be ind the last day of Februart in iddlesex and Surrey, and ele. ne 1 and the last day of Jult, tween the hours of 10 in the the afternoon, and sindl serve ice upon one of the orerstas upon one of the constables at he parish, within the month unties of Middlesex and Suref. hin the month of Jaly, priot w g; such notice to be in a legitle und signed by the applicant must state the Christian and arty, with the place of bis tes. rade or calling during the 6 to the serving of the the.
er License.-l'ersons desiroasd ense, and intendiag to applyw essions, must, 5 days precioush
 of the constables of the partsh. l'ersons hindered, by sickness or other reasumable enuse, from attending any llcenslug meeting, on proof thereof adiuced on outh, rany thorise anothers person to attead for them. (Sec. 12.)
licenses to be in force, in Middesex and surfey, from April \(\boldsymbol{\sigma}_{\text {; }}\); elsewhere from Octabur \(\mathbf{I O}_{0}\), for one whole yenr. (See. 13.)
Prorisioa fir Deuth or other Contingency.-It any jerson licensed shall dice, or beenme in rapable, of a bankrupt or insolvent, or if he or bisheirs, executors, of assighs, shall pemove or nestert to apply for \(\pi\) contlinution of his license, the justices at npecini session may grant a license to the hein, executors, or assiggas uf such party; the tony new temnnt; or if nus' man's house thould be, of be aboist to be. pilled down fir a public purpose, or rendered, by lire, tempest, or nther inforeseven calimity, unilt for the pirgoses of an inn, license mas be granted to the acenpier, if le intend to open another fonse as an inn. Such transicred licenses shail continue only la fofee to the ent of the \(y\) ear; and in case of removal to another honse, nutiee mant be given of sone Sunday, withln 6 weeks betore the specind ressidn, in the manmer and furn hefure described. (sec. 14.)
Fees for Lieenses.-The clerk of the justices may lawfuly recoje from every person to whom in license is granted, for trouble and all crpenses, the fullowing sums :-

For derts of jutices for licernet


Clerks demanding or receiving more thun these fees to forfeit \(5 \%\) (See, 15.)
No sheritts officer, or offieer exceuting the frecess of any enurt of justice, qualitied to hold or use any license under this \(A\) det. (Sec: 16.)
Excise Licenses, -No license tor the sale of any exciseable lienors, to be eonsumed on the premises, shill be araited by the excise to any person, unless such person be previously licensed under this Act. (Sec. 17.)
Penalties.-Any jerson without a license sellingr or exclanging, or for valuable consideration disposing of any exciseable liquor by retail, to be cunsumed on lis premises; or uith a license, and so sding on premises other than those speciticel in lis licease, shall for every offence, on conviction before one justice, furfeit not excceding 201, nor less than 50 . with costs ; but the penalty not to attach in case of death or insolvency, and sale by the heir or assigns, prior to the next special stssiuns, (Sec, 18.)
kery licensed person shall, if required, sell all liquors by retail (except in quantities less than \(\frac{1}{2}\) pint) by the fatlon, (quart, pint, or \(\frac{1}{2}\) pint, sized acording to the standard; in default thereof to forfeit the illecal measure, and pay not exceeding 40s. with costs, to be recovered within 30 days befor: I justice. (Sec. 19.)
In cases of riot, or probability of riot, honses iecused in the neighbourhood unay be elosed by the order of 2 justices. (Sec. 20.)
Any persun convieted of a first offence, before - justices, against the tenor of hís license, to orfeit not exceeding \(5 l\). with costs ; guilty of a cond offence within 3 years of the first, to orfeit dot exceeding 10/. with costs; and guilty a third offence within 3 years, to forfeit not xceeding \(50 \%\). with costs: or the case in the last astance may be adjourned to the petty sessions, ar the annual meeting, or the general quarter ssions; and if the offender is found guilty by a
his license, or buth, and rondered incapabie of melling any excisenble lipuor in suy linu kept by him for 3 years. (Sec, 2l.)
l'roceedinge at the session lu cortain cases may bo dirceted by the justices to be carried on by thie constable, and the expensen defrayed out of the connty roing. (See. 2..)

Witneases refusing to attend without lawful excuse may be fined not mare than \(10 \%\). (Siee. 2il.)
I'enaities nyainat justices maty lo sued for in any court of Westminster ; a moidety to tho kimer and a moiety to the party suink. (Sere, 2l.)
l'enalties adjudgedily justicesmoy the recoverad by distress or the party imjifinumid, \(1, i t\), or 1 ; ralendar montig, (S'c. \({ }^{2} 5\). )
'lise next sections relate to the mode of prosecuting actions.
'lhe last section of the Aet enaets that the word 'inn' shall inchule any inn, alebuse, or victualling house, in which is sold bu retail any exciscatile liguor, to be drunk or consunned on the premises: and the words exciseable liguor are to include all such fermented or npirituous liquors as may now or hercafter be eharged with any custom or excise duty. (Sec. 37.)

The Aet does not affect the liniversities, nor the privileges of the Vintaers' Company, exeept those freemen who havo obtnined their treedom by redemption; and it does not alter the time of granting lieenses in the city of hondon.

Innkeepers are bound by the tenor of their license to keep order in their houses, to prevent drunkenness and disorderly conduet, and gamblinif. If they fail in these respects, they forleit their license, and subject thenselves to the penalties mentioned before. Allowints seditions or immoral books to be rend in an inn also forfeits the lleense, and suljects to penalties. ( 39 (ieo. III. c. 79.8 .31 .)
So far as Seotlmal in concerned, this Let has been amended by the 16 \& 17 Vict. e. 67 , and \(2 \bar{j}\) d 26 Vict. c. 35.
The closing of public houses in lingianci is regnlated on Sundays ty 18 \& 19 Viet. © 118 , and on other days ly the l'ublic Ilause Closing Acts of 189.4 and 1565.
2. Hutics of Innkecpers.- Innkeepers are bound by law to recelv a guests coming to their inns, nud tiney are also bound to protect their property when there. 'lhey have no option to riject or refuse a fruest, unless their heuse be arready full, or they are able to assign some ot her reasonable ind suflicient cause. Neither can they impose unreasonable terms on such as frequent their honses: if they do, they may be fined, and their inns indicted and suppressed. An innkeeper who has stables attached to his premises may be compelled to receive a horse, althongh the owner dees not reside in his house; but he cannot, under such circumstances, be compelled to receive a truak or other dead thing, liv the numual Mutiny Act, cotstables, or, in thwir defnult, justices of the peace, may quarter soldiers in inns, livery-stables, atehouses \&c., under the conditions and regulations set forth in the statute.
3. Responsibility of Innkepers-An innkueper is bound to keep safely whatover things his guests deposit ini his inn, or in his enstody as innkeeper, and until 1863 he was civilly liable for all losses except those arising from irresistible force, or what is usinally termed the act of God and the king's encmies. 'The law on this sabject, howevor, wa altered by the 26 \& 27 Vict. c. Ai. It piovides that the innkeeper shall not be liable bevond \(30 l\). for loss or injury to gools or pisperty broumint to the inn, except-1st, when the gouds or property shall be stolen, lost, or itlured, through the wilfil
act or neglect of the innkeeper or his servant; and, 2nad, where such goods or priperty sha! have been deposited expressly for safe astody, with such jumkecper. 'It has fons been holden,' says bir William Jomes, 'that an imkecper is bound to restitution, if the trunks or pareds of his guests, committed to him cither personally or through one of his agents, be damaged at his imn, or stolea out of it by my person whatever (except the servant or commanion of the guest) ; nor shall he discharge himself of this responsibility by \(n\) refinal to take eare of the groods, becanse there ure suspected jersons in thic hoase, for whoso condact he camet be answerahle: it is otherwise, indeed, it he refuse admission to a traveller hecause he really has no room for him, and the traveller, nevertheless, insist upon entering, nud plece his baggare in n chanber without the keper's consent. Add to this, that if he fail to provide honest servants and honest immates, uceording to the confidence reposed in aim by the public, his negligence in that respect is highly entpable, and be ought to answer civilly for their acts, even if they should rob the guests that sleep in their chambers. Rigorons as this law may seem, and hard as it may actually be in one or two prrticular instances, it is founded on the great pruriple of public utility, to which all private considerations onght to yield; for travellers, who must be mamerous in \(\varepsilon\) rich aud commercial conntry, are obliged to rety almost implicitly on the good faith of innholders, whose ellucation and morals are usually none of the best, and who might have frequent opportunities of associating with ruffians, or pilferers, while the injured guest cond never obtain legal proof of such con oinations, or even of their nerligence, if no actual fraud had been committed by them. Hence the prator declared, according to Pomponins, his desire of seeuring the public from the dishonesty of such men; and by his edict gave an action against them, if the goods of travellers or passengers were lost or hurt by any means except by inevitable accident (damno fatuli): and Ulpian intimates that even this severity conld not restrain them from knavish practices or suspicious neglect.' (Essay on the Law of Bailments, 2nd ed. pp. 95, 9t.)

Even ifan innke, or bid the guest take the key of his chamber and lock the door, telling him that he cannot undertake the charge of the gools, still, if they be stolen, he is held to be responsible. In all such cases it is not competent to the innkeeper to plead that he took ordinary care, or that the force which occasioned the loss was truly irresistabie. A guest is not bound to deliver the goods in specinal custody to the innkecper, nor, indeed, to acquaint him that he has any. If he have property with him, or about his person, the innkeeper must be responsible for it to the exteut of \(30 \%\). without communication. But the innkeeper may require that the property of his guest be delivered into his hands, in order that it may be put into a secure place; and if the guc \(t\) refuse, the innkeeper is not liable for its safety. The guest exonerates the innkeeper from linbility when he takes upon himself the ex jlusive custody of the goods, so as to deprive the innkeeper of having any care over them; thus, if a guest demand and have exclusive
ssession of a room, for the furpose of a slop or warehouse, he exonerates the landlord from any loss he may sustain in the property which he keeps in that apartment : but it is otherwise if he have not the exclusive possession of the room. The innkeeper cannot oblige the guest to take charge of his uwn goods; for this, in effect, would be a refusal to admit them into the inn. And it is no excuse for an innkeeper to say that he delivered
he key of the chamber whenee the moperty was stolen to the guest, who left the disur oren. \(A\) pase of this sort occurred a few years ago nt Biphton. A lady having left the door of her bedroom, of which she had the key, open for a few minutes, 50 l. wereabstracted from her retiente, The innkeeper contended chat the plaintill, by selecting particular partments, and taking the key, had exonerated him from his liability. jury fond for the plaintitt; and upon a mation for a new trial, Lord 'Jenterden said, 'By' He common law of this country, and ateo by the cirit law, the priaciple of the linbility of iumkepers was foumled on two reasons: tirst, to compel the landlord to take care that \(n 0\) improper compani was ndmitted into his house; and secontly; it prevent collasion. The principle, as stated in the civil law, was this-" Ne quisquam putet graviter hoe in cos constitutum esse; nam est in ipsorumar. bitrionequen recipient ; et nisi hoe esset statutum materia daretur cum furibus, adversus cos qum recipiunt, corundi : cub ne nunc quidem absinett hujasmodi fraudibiss." It was true that, in the present state of society, it was very difficult tu prevent the intrusion of improper company int inns. But still the principle was sueh as lie had stated it to be, and it would be dangerons to redas it; and he did not thini chat the taking mouar in this way was suthicient to disenarge the landurd Then, as to the objection that the cases did mas extend to money, it was clear that money wa much within the principle as roods, aud that no substantial distinction coulal be made. De mis thesefore of opinion that the verdict was righti, -Rule refused.
A landlord may exempt limself froh liabilitr if he can show that the loss was occasiores by the misconduct of the guest; as, if his gouds afe stoien by his own servant or companion.
It has been decided that a man is a guest at mo inn, if he leave his horse at it, though he has wid gone inte it himself. If a man eome to un ir, and make a contract for lodging for a set time and do not eat or drink there, he is no cuest, but a lodger, and, as such, not under the inukepat protection ; but if he eat and drink, or pay foth diet there, it is otherwise. Any innkerpur of ik house keeper, knowingly receiving and harboun: any person convicted of an offeace against revenue laws, for which he has beea in prison, a for which he has fled, slall forfeit 1001, aud bsit no license for the future.
4. Remedy of an Innkeeper against his GuthAn innkeejer may, without any agreement to the effect, detain the jerson of a giest who has and in: 's house, intil payment; and he maydot: san. by the horses in this stable.

An innkeeper is not entitled to reaver it spirits supplied to his gucsts, of the ralie of? and upwarils, unless supplied or ceatrated lit: ooe time. ( 23 Geo. 1I. c. 40.)

By the custom of London and Excter, if amp commit o. horse to an hostler, and the expenix his keep become equivalent to his price, thetwie may appropriate the horse to himself upon ix appraisement of four of his neighbouss, of ur huve hims sold. But innkeepers ia other partid the country have no pover to sell horis detaind by them.
A horse committed to an innkeeper cannst detnined as a security for the board of his mate It is cnacted by \(11 \& \mathrm{~d} 2 \mathrm{Wm}\). Ill.e, bitu innkeepers, alehouse keepers \(d<\) e. refluing t specify in in account the number of pints quarts for which demand is made, or sillint unmarked measures, shall have no power todeta any goods or ether things belonging 'othepenian

\section*{PUMICE STONE}

QUARANTINE
1149
yer whence the property wat who left the door oned. \(A\) ecorred a fow years ago at laving left the door of hir she had the key, ojen for a cabstracted from her retiecle. ended chat tho plaintild, by apartments, and taking this him from his liability. The plaintiff; and upon a most" red 'Jenterden said, 'By the country, and also by the cuil of the liability of innkeepr, orasons: tirst, to comper the re that no improper company his louse ; and sceond!y, tio The principle, as stated in the -* Ne quisquam putet gravic: um esse; nann est in jusorumardient ; et nisi live esset statutum, unn furibus, adversus tos quiv : cnus ne nunc quidem abstinent ius." It was true that, in the asiety, it was very dithenlt to sion of improper eompany into te pripeiple was such as the hat 1 it would be dangerons to reida thinh that the taking ruous in icient to discinarge the landunt dbjection that the cases did not it was clear that money wa, ds principle as groods, aull that or action could be made. Liens ion that the verulict was righi'
y exenpt himself from liathily at the luss was occasiorel by the the guest; as, if his goods are in servant or companion. cided that a man is a guest at on his horse at it, rhough he has ot asclf. If a man come to an ire atract for lodging for a set time, or drink there, he is no gues, lut s such, not under the inmeepex if he eat and drink, or pay for his otherwise. Any innkenper ut ak. otherwise. Any inkenpr ot dre nowingly recciving and hathours victed of an offence against tw or which he has been in prisum a s tled, stall forfeit 1001 , and han e future.
- un Innkecper against his Guetibay, without any agrement to tix te person of a ghest who has cata atil payment; and he mary doth thes in lis stable.
\(r\) is not entitled to recolet of to his guests, of the valun of ? nless supplied or contracted for Geo. II. c. 40.)
m of London and Exeter, if a with to an hostler, an.t the expenas e equivalent to his price, the hader te the horse to himself upon te of four of has neighbours, at wr But innkeepers in other patsid ve no poner to sell horses detion
mintted to an innkecper cannat be recurity for the board of his mater, d by it \& 12 Wm . Ill. c. 15 th chouse kecpers \&c. refoing account the number of pints ich demand is made, of seline ? sures, shall have no porer todetio ther things belonging o the pers
from whom demand is macke, but slanll be left to their action for recovery of the same.
PUMUCl: STON1: (Ger. bimstcin: Fr. pierreponce; Ital. pietra pomiee; \(S_{1}\) an. piedra pomez; lat. pumex). A light, apongr, vitreous stome, found usually in the neighbourhood of volennoes. lt is used for polishing metals aud marble, and smoothing the surface of wood and pastebonrl. It is suitl to form a good glaze for pottery. The lighter pumice stones swim on water, their speci'ic gravity not exceeding \(9 \cdot 14\), 'The island of Lipar', in the Mediterramean, is chiefly formed of pumiec stoac, and may be said to be the magrazine whence all burye is supplied with this useful article.

There are severel species of pumice scones; but those ouly that are light mind spongy are exported. In 1860 we imported 525 tons of pumice stone, valued at \(2,36+1\).
1UTCHOCK. Aa article of this name is imported in cousideralhl quantities from the northwest coast of India into China, and is regularly quoted in the Canton price currents. It is the root of a plant that grows abuadantly in sinde. When burned, it yields a tine smike, and a rruteful and diffusive smeil. The Chinese heat it into a tine powder, which they buru as incense in the temples of their gods. (IIamilton's Neu'dreount of the East Indies, vol. i. p. 1"(6.)

QUARANTINE. A res,alation by which all commuaication with idrdividuals, ships, or goods, ariving from places infected with the plague, or other contagious discase, or suppused to be peculiarly liable to such infection, is interdicted for a ectain detinite period. The term is derived thon the Italiait quaranta, forty; it being generally supposed that if no infections disease break ont within 40 days, or 6 weeks, \(n o\) danger need be ayprechended from the free admission of the indiriduals under quarmatine. During this period, too, all the goods, clothes \&c. that night be supposed eapable of retainiug; the infection, are subjected to a process of purification. This last operation, which is a most iuportant part of the quarantine system, is performed either on board ship, or in esuiblishments denominated lazarettos. (See post.)
Policy of Quarantine.-The regulations as to quarantine are entirely precantionary; they have their origin in the belief that various diseases, but especiully the plague, are contagious; and supposing such to be the case, the propriety of subjecting those eomilg from an infected or suspected place to a probation is obvious. Indeed, no Gorenment could, until the belief in question he proved to be ill founded, abstain from enforeing preeantionary measures, withont rendering itself liable to the charge of havins culpally neglected one of its most important duties-that of providing, by every means in its power, for the safety of its subjects. Latterly, however, it has heen conteuded that the plague is never imported; that it is always indigenous; originating in some peculiar state of the atmosphere, or in something peculiar in the condition of the poople; and that, consequently, quarautine regulations merely impuse a heary burden on conmeree, without beiug of any real utility. But though there does not seen to be any reason tor doubting that infections diseases have originated in the way described, the fact that they Lave, in innumerable iustances, been cartied from one place 10 another, seems to be established hey ond all question. Even if the evidenee ss to the importation of infectious diseases "ere less decisive than it is, or the opinions of medical mea more dividnd, it would not warrant tice repeal of the restraints on the intercourse with suspected ports. This is not a matter in whieh innovations sbould be rashly introduced; wherever there is doubt, it is proper to incline to the side of security. In some cases, perhaps, quarantine regulations have heen carried to a needless extent; bor they have more frequently, we believe, been inpoperly relaxed.
Institution of Quarantine.-The notion that the plague was inported from the East into Europe
seems to have prevailed in all ages. But it would appenr that the Venetians were the tirst why endeavoured tc guard agrinst its introdection from abroad, by olliging' ships and individuals from suspected places to perform quarantine. The regulations upon this subject were, it is most probable, issued for the first time in 1484. (Beel:mann, llist. of Invent. vol. it. art. 'Qunrantinc.') They have since been gradually adoptel in every other comntry. 'Their introduction into lingland was comparatively late. Various preventive regulations had been previonsly emacted; but quarantine was not systematically enforced till after the alarm necasioned by the dreadful plague at Marseilles in 1720. The regulations then adoptet wero made conformabiy to the suggestions of the celebrated Jr. Mead, in his famous Discourse concerning Pestilcntial Contagion.
Lazarettos or Pest-houses are establishments constructed to facilitate the prormance of quarautine, and partieularly the puritication of goods. They have usually a port in which ships from a suspected place miny anchor ; and, when perfect are provided with lorkings for the crews and passengers, where the sick may be separated from the healthy; and with warchouses, where the foods may be deposited; all intercourse between the lazaretto and the surrounding country being, of course, interdicted, execpt by permission of the authorities. The lazarettos nt Leghorn, Genon, and Marseilles are the most complete of any in Europe. The facilities they afford to navigation are very great; for, as ships from suspected places may discharge their cargoes in the lazaretto, they are not detained lenger than they would be were there no quarantine regulations. The goods deposited in the hazaretto, being inspeeced by the proper officers, and puritied, ure then admitted into the market.

Compared with these, the quarantine establishments in this country are exceedingly defigetive. There is not, even in the Thnmes, a lazarette where a ship from a suspected place may discharge her cargo and retit: so that she is detained, frequently at an eacrmons expease, during the whole period of quarantine; while, if slio have perishable goods on board, they may be very materially injured. It is singular that nothing should hitherto have been done to obviate su, is gricvances. The complaints as to the oppressiveness of quarantino regulations are almost wholly occasioned by the want of proper facilities for its performance. Were these afforded, the burdens it imposes would be renderel comparatively light; and we do not know that many more important services could be rendered tin the commerce of the
comutry than by constructing \(n\) proper quarmatine establishment on the Thanes.
Bills of Mealth.-The period of quarantine varies, as respects ships coming from the same place, according to the naturo of their bills of henlth. These aro documents, or certitcates, signed by the consul or other competent antherity in the place which the ship has left, describing its state of liealth at the time of her clenring out. A clean bill imports that, at the time of her sailing, Ho infections disorder wat known to exist. A suspeeted, or: as it is more commonly ealled, a touched bill, imports that rumurs wert ntloat of an infeetious disorder, but thet it had not actually appeared. A joul bill, or the absence of clean bills, inports that the place was infectedil when the vessel sailed. [Bhas of Itbaletir.] The duration of the quarantine is regulated by the nature of these instruments. They seem to have been first issued in the Mediterranemn ports in 1665, aud are obvionsly of great importance.

Quarantine Regulations.-'The existing quarantine regulations are embodied in the Act 6 Geo. IV. e \({ }^{78}\), and the different orders in council issued under its nuthority. These orders specify what vessels are liable to perform quarantine; the places at which it is to be performed; and the various formalities and regulations to be complied with. The publication in the Gazette of any order in council with respect to quarantine is deemed sullicient notice to all concerned; nad no excuse of ignorance is admitted for any infringement of the regulations. To obviate, ns ar as possible, any foundation for such plen, it is ordered that vessels clearing out for any port or place with respect to which there shall be at the time any order in conncil subjecting vessels from it to quarantine, are to be furnished with an abstract of the quarantine regulations; and are to furnish themselves with quarnutine signal Hags and lanterns, and with materials and instruments for fumigatiug and immersing gools. The following are the clauses in the Act as to signals:-

Every commanter, master, or other person having the charge of any vessel liable to quarantine, ahall, at all times, when such vessel shall meet with any other vessel at sea, or shall be within 2 leagues of the const of the United Kingdom, or the islands of Guernsey, Jersey, Alderney, Sark, or Man, hoist a signal to denote that his vessel is liable to quarantine; which signal shall in the day time, if the vessel shall have a clenn bill of health, be a large yellow flag, of 6 breadths of bunting, at the nain-topmast-head; and if such vessel shall not have n clean bill of health, then \(n\) like yellow flag, with a circular mark or ball, entirely black, in the middle thereof, whose diameter shall be equal to 2 breadths of bunting; and in the night time, the sigual shall in both cases be a large signnl lantern with a light therein (such as is used on boatd his Majesty's ships of war), at the samemast-head: and such commander, master, or other person, ahall keep auch signals hoisted during such time as the said vessel shall continue within sight of such other vessel, or within 2 leagues of the aaid coast or islands, and while so in sight, or within such distance, until such ressel so liable to quarantine ahall have arrived at the port where it is to perform quarantine, and until it shall have been legally discharged from the performance thereof; on failure whereof such commander, master, or other person shall forfeit 1004 (Sec. 8.)

Every commander, master, or other person having the charge of any vessel on board whereof the plagne or other infectious disease highly dangerous to the health of his Majesty's subjects shall
actually be, shall at all times, when such vesel shall ineet with any other vessel at sea, or shai be within 2 leagues of the const of the United Kingdom, or the islands of Guernsery, Jersey Alderney, Sark, or Man, hoist a signal, to deant, that a vessel has the plague or other infectiou disease; which signal shall be in the day time tlag of yellow and k ack, borne quarterly, of brendths of bunting, at the main-topmast-head: and in the night time, the aignal shall be 2 laret signal lanterns, commonly used on board shipmol war, one over the other, at the same mast-bead: and sueh cominauder, master, or other person slaull !eep such signal hoisted during such time a. the said vessel shall continue within sight of sueth other vessel, of within 2 leagues of the coasts or islauds aforesail, while so in sight, or within sueh distance, until such ressel shall have arrived at the port where it is to perform quarmutine, ad until it shall have been legally discharged fom the performance thereof; on falure whereof sueh commander, master, or other person shall forietit 1001. (Sec. 9.)

If any commander, master, or other terinn, knowing that the same is not linble to the performance of quarantine, shall hoist sueh signal by day or night, such commander or other perisa shall forfeit 50l. (Sec. 10.)

But, instead of printing the Act, and the varions orders in council that have grown out of it , it will be sufficient to lay the following abstract of them before the reader. This abstract has been prepared by the Custom-house, and contains a dis tinet summnry of the various rules and regulations to be complied with.

\section*{Anstiact of Quarantine Regulatios}

It is in the first place to be obscrved that all persons are presumed to know, and are bound te take notice, not only of the quarantine regulation: established by Act of Parliament (as they are of any other public Act), but likewise of every order in council made for the performance of quatanize and published in the London Gazette; and asi is ensily in their power to inform themselves d such regulations, and particular care is taken לr this and other means to promulgate sach of thea as apply to their respective situations, preriouly to their being actually put under quaruntine, whe they will receive directions for their guidana from the quarantine officers. no plea of igaorans will be admitted as an excuse for any nectent breach, or violation thereof; but, for the saked example, and for the security of the public bealte the pains, penalties, and punishments oi the las will be enforced with the utmost severity.

\section*{Duty of Commanders and Masters of Vessels.}

Upon arrival off the coast of the United King dom, or the islands of Guernsey, Jetser, Aldene Sark, or Man,
To deliver to the pilot who shall go oa board written paper, containing a true acsount of th name of the place at which his ship loaded, snd all the places at which he touched on the home ward voyage. Neglecting or refusing to delire auch papers, or making any false representation wilful omission therein, subjects him to a penit of \(100 l\).
Upon entering, or attempting to enter anypte and being spoke by any quarantine officers,
To give a true answer in writing or othernis and upon oath or not tepon oath (according as 4 shall be required), to the preliminary questus put to him by such quarantine officen, for purpose of ascertaining whether his vessel iatis not liable to quarantine. Neglecting or refuis

If times, when such ressel ther vessel at sea, or shall of the coast of the United ands of Guerasey, Jersey, in, lioist a signal, to demite. plague or other infections sliall be in the day time a ack, borne quarterly, of \(x\) at tho main-topmast-head: e , the signal shall he 2 large aonly used on board shipio of her, at the same mast-head: er, master, or other person 1 hoisted during such time as continue within sight of such in 2 leagues of the coasts of ile so in sight, or within such vessel shall have arrived at s to perform quarantine, and been legally dichatred fom reof; on failure whered wach , or other person shall forteit
der, master, or other vetron, same is aot liable to the persame, shall hoist such signuh ach eommander or other jefion Sec. 10.)
printing the Act, and the varions that have grown out of it, it will \(y\) the following abstrnct of them
This abstract has beea pre-stom-house, and contains odis: the various rules and regulations ith.
Quarantine Regulatioss,
irst place to be observed that all umed to know, and are bound to only of the quarantine requlation: Act of Parliament (as they are of e Act), but likewise of every ordes for the performanee of quarantine, on the London Gazette; and asi ir power to inform themselves d s, and particular care is taken br neans to promugations, prerioush twally put under quaruntine, whea ve directsons for their guidana ve dircetions. no plea of ignorant ed as an excuse for may neglent ation thereof; but, for the salee or the security of the public health hties, and punishments oit the la ties,
l with the \(u\) most severity.
wanders and Masters of Vesseh
off the coast of the United himo. nuls of Guernsey, Jersey, Aldemer.
the piot who shall go on basul containing a true acrount on \({ }^{\text {w }}\) ce at which his ship loaded, shave at which he touched on the imitir Neglecting or
making any false represeatatioce therein, subjects him to a peait
ng, or attempting to enter anyp ke by any quarantine oflices, fue answer in writing or othermisu or not upon oath (accurding asiwe red), to the preliminary of for y such quaranther his vessel isatil ertaining whether his
uarantine. Neglectiag or refuim
to bring his vessel to as soon as it can be done with safety, in obedienco to the requisition of the quarantino officer, subjects him to a penalty of 1001.

Refusing to answer such questions, or giving any fale answer thereto (if not upon oath), subjects him to a peralty of 2000 .
If upon oath, to the punishment for wilful and corrupt perjary:
If any intectious disease shall appenr on bonrd, the master is to repair to such place as her Majesty shall direct, and make known his case to the oficer of customs, and he is to remain at that place until dircetions are given by the Lords of the l'rivy Council. Ile is not to permit any of the crew or passengers on board to go on shore, sad he, his crew and passengers, nre to ohey such directions as are received from the Lords of the Privy Conncil.
Vot acting in conformity to the regulations herein directect, or arting in disobetience to such directions as shall be received from the Privy Council, he incurs the penalt: of \(100 /\).
If iuformed by the pilot diat his vessel has become liable to quarantine by renson of any proclamation made subsequent to his departure, to hoist and keep hoisted a like aipnal, under the same penalty of \(100 l\).
To give to the pilot coming or board a written paper, conaining a true necount of the differeni artictes composing his eargo. Neglecting or refusiag to do so, or making a false representation or wifful omission, subjects him to a penalty of Ol
Masters of vessels liable to quarantine, and other persons on board them or having commonication with them, are to repair to the appointed quarantiae stations, and may be compelled to do so by force.
The master of any versel having discase on board, oa mecting with any other vessel at sea, or within two leagues of the const of the United Kingdun, or the islands of Guernsey, Jersey, Alderney, Sark, or Man, is to hoisi a signal to denote that his vessel has such disease on board, nd is to keep such signal heisted during such time as be shall continue within sight of such Pessel, or within 2 leagues of the coast or islands forsaid, while so in sight or within such Fistance, until the vessel shall arrive at the port there she is to perform quarantine, and until slie hall be legally disctuarged from the performance hereof. Fsiling hercin, the master incurs the enalty of 100 l .
If he shall refuse or omit to disclose the circumstances of such infection prevailing either at any place at which he has been, or on board his vessel, in his answers to the preliminary questions put to him by the quarantine officer, or if he shall wilfully omit to hoist, and to keep hoisted, the proper quarantine signal to denote that his ship is liable to quarantine, he incurs the penalty of 3002.

Upon attempting to enter any port which is the rort at, which he ought to perform arantiae, he may be compelled to desist therem , in order that he may proeeed to the proper arantice ports, by guns heing tired upon the p, or any other kiad of force being used that be necessary for the attainment of that ect.
quitting or knowingly suffering any seaman or passeager to quit his ship, by going on shore, or by going on board any other vessel or boat, before cischarged from quarantine; or, lot repairing to the proper quarantine station
within a convenient time after due notice given, heurs a penalty of \(100 l\).
To repair in all cases to the proper quarantine port, as hereinafter stated in the Appendix, according as he shall or shall aot be furnished with a clean bill of health, nud according to the port or place to wbich he sholl be bound, as herein stated,

But if throurh ignormace, or by stress of wen-
ther, damage, loss, or uceidents of tho seas, he shall have passed the proper quarantine port, he may (having n clean bill of health on board, and upon giving satisfactory proot thereon upon oath, and by the oath of the pilot, if any on board, nad that the same was not wilfully or intentionally done or occasioned) be permitted to proceed to some other quarantine port, in the diseretion of the quarantine otlicer, keepiug the proper quarantine signal hoisted during the whole time.
Upon his arrival at the proper quarantine port, to give true answers upon oath to all the quarantine questions, and io make onth to the truth of his log-book, and the times at which the entries were thercin made: failing derein, he ineurs the penalty of wilful and corrupt perjury.
Ile is also to repair to the particular station
which shall be appointed by the quarantine
offieer for the said ship or vessol,
To Ieliver ups to the quarantine officer bis bill of health, manifest, log-hook, and jourbal.

Wilfully refusing or neglecting so to do, subjects him to a penalty of \(100 l\).
If not hound to any port of the United Kingdom, or the islands nforesnid, and attempting to enter any porc thereof (except to wait for urders, or in consequence of stress of weather or accidents of the scas), he shali give satisfactory proof thereof to the quarantine officer, and give true answers upoin oath to the prelininary questions, and strietly conform to all such directions as he shall receive from the quarantine officer, touching his continunnce at such port, or departure from thence, or repairing to any other; and also with respect to all other quarantine regulations; in default of which, he may be comp:lled to proceed to sea by any menns or by any kind of force that shall be necessary for that purpose.

Having performed quarantine in any foreign lazaret, the vessel is to be put under quarantine at some of the ports hereinafter appointed, until the master shall pruduce to the quarantine officer the proper documents in proof thereof; upon production whereof the said yessel shall not be obliged to periorm quarantine, but shall remain at such station until released by orter in council.

Unshipping, or moving in order to unship, any goods from on board any vessel liable to quarantine, subjects to a penalty of 500 l .

Clandestinsly conveying, or secretiag or concealing for the purpose of conveying, any letter, goods, or other articles, from any vessel actually performing quarantine, subjects to a penalty of 100 l.
Note--Every commander or master of any vessel clearing out or about to sail for any port or place in the Meditelranean, or in the West Barbnry on the Atlantic Ocean, or for any port or place respecting which there shali at the time be any order of his Majesty in council in force, subjecting vessels coming from thence to quarantine, is to receive from the principal officer of the customs at such port or place this printed Abstract of the Quarantine Regulations, which such commander or master is to cause to be affised on some convenient and conspicuous part of his said vessel, and to remain so affixed until his return with his said vessel to some port or

\section*{QUARANTINE}
place in the United Kingdom or the islanals nforesaid.

And every such commander and master is likewise to provide and tako on board 1 at least of each of the proper guarantine sigunl flags and Innterns, and likewise materinge and instruments for fumigntion and immersion, and to keep the same on board, to be used upon his return to the United Kinglom or the islands aforesaid.

\section*{Duty of Pilots.}

Pilots are strictly to observe the following direc-tions:-

To receive an account in writing from every commander or master of any vessel coming from foreign parts, of the places at which his vessel londed, and at which he touched on his said homeward voyage.
'To five notice to such commnnder or master of any proclamation, or order in council, mnde after the departure of such vessel from the United Kingdom or the isiands aforesaid, and then in force, by which vessels coming from nuy piace mentioneil in such account shall be liable to quarantinc. Neglecting or omitting to give such notice subjeets them to a pennlty of 1002 .

To give a like notice of noy proclamation then in force, by which vessels having on board any of the articles mentioned in the master's account shall be liable to quarantine. Neglecting or omitting to pive such notice subjects them to a peualty of 1001 .

To remain on board in the snme manner as any of the officers, crew, or passengers, and not to quit the said yessel before or after the arrival, cither by foing on sloore, or by going on board any other vessel or bont with intent to go on shore, until she is regularly discharged from quarnatine; and they may be compelled by any persons whatsoever, and by nny kind of necessnry foree, to return on board the same. If they oflend herein, they incur a penalty of 3001 , and 6 months' imprisonment.

Not to bring any such vessel into nny port or place other than the port or place nppointed for the reception of vessels so liable to quarantine as stated in the Appendix, unless compelled by stress of weather, adverse winds, or necidents of the sens, of which the pilot, as well as the commander or master of the vessel, is to give satisfactory proof upon oath. If they olfend hercin, they incur a penalty of \(200 \%\).

To bring the ship to, ns soon as it can be done with safety, in obedicnce to the requisition of the quarantinc officer. Failing herein subjects them to a penalty of 1001 .

\section*{Duty of other Persons.}

When any infectious discase netunlly nppears on bourd any vessel, nll persons on board are to obey the direction of the privy council, under a penalty of 100 .

Not to quit such vessel, cither by going on shore, or by going on board any other vessel or boat with intent to go on shore, until regh. .ly discharged from quarantine; and if they quit the slip, they may be compelled by any peraons whatsoever, and by any kind of necessary force, to return on board the same; and are also liable to a penalty of \(300 l\). and 6 months' imprisonment.

Whether liable to quarantioe, or actually performing quarantine, or having had any intercourse or communication with any such persons so liable to or under quarantine, all persons are to obey all such orders as they shall receive from the quarantine officer, and to repair to the lazaret, vessel, or place appointed for the
performance of quarantine. Wilfully refusing or neglecting to repair forthwith, when reguired to do by such ofticers, or escaping from or out of such lazaret, ₹essel, or place, may be compelied to repair or return thereto by nay kind of necessary forec, nud are subject to a penalty of 2002.
landing or unshipping, or moving in order to the landing or unshipping, of any goons, packets, packnges, bnggage, wearing appiarel, books, letters, or any other articles whatever, from reseels liablet to quarantine, aro liable to a pennity of f 00 l .
Clandestinely conveying, or secreting or concealing for the purpone of conveying, nuy goonls, letters, or other articles as aforesaid, from veseel actually performing quarantine, or from thi lazaret or other place where such goods or ohet articles shall be performing quarantine, are hatle to a penalty of \(100 l\).
Having puitted or come on slore fom ank vessel linble to or under quarantiue, or havinit escaped from any laznret or other place appointed in that belalf, may be seized and niprehended by any constuble or other pence oflicer, or ly niny other person whatever, and carried before a justice of the peace, who may grant his warrabt for conveying such person to the vessel, laz. fe, or other place from which he shall hare escapel, or for contining him in any place of safe custody (not being \(n\) public gnol) until directions can be obtained from the prisy council.
Knowingly nnd wiffully forging or counterfriting, interlining, ernsing, or altering, or procuring to be forged \&e., noy certificate directed by any order in conncil tonching quarantine, publishing the same as truc, or nttering any sud certificate with intent to obtain the effect of a true certiticate, knowing its contents to be false, ure guilty of felony.

\section*{What Vessels are liuble to Q:a arantine.}

All ressels (as well ships of war as all others) with or without clean bills of health, coming-

Frem or linving touched at any place in the Mediterranean, or the West Bnrbary on the Atlantic Ocean.
From any other place from which his Mjeetry shall from time to time adjudge it probalit (and shall so declare by proclamation of order in council) that the plague, or ary other infections disease or distemper highty dangerous to the health of his Majesty's on jects, may be brought.
Note.-'They are considered as liable to qua:ar tine from the time of their leaving any of the said places.

All vessels having communication with w: of the before-mentioned ships or vessels, of it ceiving-

Any person whatever from or out of sod vessel, whether such person shall have owed from any of the said places, or shall bate gone on board of such vessel, cither in \(\mathrm{x}_{\mathrm{y}}\) course of her voyage, or upon her aminal the coast of the United Kingdonn \&c. -0 .
Any roods, wares, or merchaadise, pakik packages, baggage, wearing npparel, pos letters, or any other articles whatevet, fa or out of such ship or vessel.
Note.-They are liable to quarautine from th time of their receiving any such persons or gwo All vessels coming from any port or plare Europe without the Straits of Gibraltar, 0 ot continent of America, and having on boardAny of the articles ennmerated (a list of rhis articles see in the Appendix);
And not producing a declaration nooa nath od

Wilfully refusing or with, when required so escaping from or tuit of ee, may be compelled to y any kind of necessary , penalty of 200 l. , or moving in order to a, of any gooels, nacheta, his apparel, books. tetters, mever, from vessels liable to a penalty of 000 . ing, or secreting or conof conveying, aly gombs. s as aforesaic, from any ng quarantine, or from the where such goots or outhos ming quarantine, are liatle
come on shore from aur nder quarantine, or havin: ret or other place appointel je seized and apprehenited other peace officer, oif hy atever, and carrical before a who may grant his warrat erson to tho vessel, lazart, which he shall have escapel, vinch the place of safe custuly gaol) until directions cante rey commeil. wiftully for ring or counter. crasing, or altering, of proI de., any eertificate tireeted uncil tonching quarantine. o as true, or uttering any such tent to obtain the effect of a tenit to its contents to be false,

\section*{\(\therefore\)}
\(s\) are liable to Quarantine.
ell shins of war as all othes) ell ships of health, comingor touched at any place in te in, or the West Barbary on the in.
place from which his Mijets me to time adjudge it probal: o declare by proclamation ancil) that the plague, of al ous disease or distemper high the health of his Majesty's su brought.
re considerel as liable to quarir me of their leaving any of tia
aving eommunieation rith w: entioned ships or vessces, of
whatever from or out of ther such person shall hare f the saill places, or shail in ard of such rese, her arival of or voyage, or upen her the United Kingdom \&c.--0, wares, or merchandise, pasm, aggage, wearing whetery fro any other article:
are liable to quarantine from th are liable to quan persons or ond ceiving any such port or phar is ming rom fine Straits ot Gibraltar, otenth America, and having on boardicles enumerated (a list of whi the Appendix);
ing a dcelaration upon onth.
\(r\), proprietor, slipp r, proprietor, shipper, or conisur
stating either that such articles are not the growth, proluce, or manufacture of Turkey, or of any place in Africn within the Straits of Gibraltar, or in the West Barbary on the Atlantic Ocean, or stating of what place they are the growth, produce, or manufacture.
dil ressels and boats receiving-
Any of the said goods, wares, and merchandise, or other articles enumerated.

\section*{Signals.}

For vessels with the plague or other highly infectious disease actually on board-
la the day time-A flag of yellow and black, borne quarterly, of 8 breadilhs of bunting, at the nain-topmast-head.
In the night time-Two large signal lanterns, with a light therein, such as are commonly uscd on board his Majesty's slips of war, one orer the other, at the same mast-head.
For vessels with clean bills of health-
la the day time-A large ycllow flag, of 6 breadths of bunting, at the main-topmasthead.
In the night time- \(\Lambda\) large signal lantern, with a light therein, such as is commonly used on board his Majesty's ships of war, at the same mast-heal.
For ressels without clean bills of health-
In the day time-A large yellow flag, with a circular mark or ball, entirely black, in the middle thereof, whose diameter shall be equal te 2 breadths of bunting, at the main-top-mast-hearl.
Ia the night time-Same as for vessels with clean bills of health.
Note-Every commander or master of a vessel about to sail for the Mediterranean, or for any place respecting which an order in council shall he in force, subjecting vessels coming from thence to quaraatine, to be provided with the quarantine signals above mentioned, and to keep the same on hoard, to be used on his return to the United Kingdom.

Aay commander or master hoisting eitber of the said quarantine signals, by day or night, knowing that his vessel is not liable to quarantine, iacurs a penalty of \(50 l\).

\section*{Appendis.}

A Lis! of Artieles enumerated, considered as most liable to Infection.

Apprev of all sinds
Anitrial Rovers
Bast or any ericlices made thereor Bedss, bracelcts, or necklaces, in Briting mad bed tick)
den ind bed Uck?


\(\substack{\text { antus } \\ \text { armenie wood }}\)
armenis nood

Stion thread
maricles wholity made of or Areed, of yarm
\({ }^{3 \pi}\)
mich haly
Idor silver oa thread, cotton.
fituoce hereinitiforore ment mind
E. Capan or bannets or straw. prane, or angother material


\section*{Quarantine Ports.}

For Vessels liable to Quarantine not coming from any Place actually infected, nor having any 1nfection actually on Boartl.

\section*{Without Clcan Bills of Kealth.}

All vessels, slips of war \&e, as hereiafter specitlel, to perform quarantine at Stundgute Creck or Milforl Haven.
Ships of war, transports, or other ships in the actual service of Goverument, under the command of a commissionel officer in the service of his Majesty's navy, whithersoever bound, to porform gurantine at the Motherbank, near Portsmouth, at a place markel out by yellow buoys.

\section*{With Cleun Bills of IIealth.}

All ships and vessels bound to the following places, to perform quarantine int Standgate Crech:-
London, Roclester, Faversham, or any creeks or places belonging to or within any or cither of the above ports.

All ships and vessels bounl to the following places, to perform quarantine at \(\boldsymbol{W}\) hitebooth Road, between Llull and Grimsly:--
\begin{tabular}{|c|c|c|}
\hline I.eigh & Sarmouth & Brillington \\
\hline Maldon & Blakeney and Cley & Searborough \\
\hline Colchester & Wellx & Whaby \\
\hline Harwich & 18nn & Nitockton \\
\hline 1prwich & Wisheach & Sunderiand \\
\hline Whothridge & \(\underset{\substack{\text { linston } \\ \text { irimuby }}}{ }\) & Newcastle \\
\hline Aldborough & Cirimbl & Berwick \\
\hline
\end{tabular}

And any crecks or places belonging to or within any or either of the above ports.

All ships and vessels bound to the following places, to perform quarantine at Bamboro' Pool near Liverpool, or Milford Haven :-

\section*{Carlis'e}

Whitebaven
lancaster
Preston
Liverpool Liverpool
Cheater
neaumaris
Isle of \(\boldsymbol{M}\) an
And any creeks or places belonging to ar within any or either of the above ports.

All ships and vessels bound to the foilowing places, to perform quarantine at the Mothe, Sank, near Portsmouth:--
\begin{tabular}{|c|c|c|}
\hline Sandwich & Newhaven & Purtamo \\
\hline 1) \({ }^{\text {al }}\) & Shoreham & Southampton \\
\hline thover & srundel & Cowes \\
\hline Hige & Chichester & \\
\hline
\end{tabular}

And any crecks or places belenging to or within any or either of the above ports.
All ships ant vessels bound to the following places, to perform quarantine at St. Just's Pool, within the month of the harbour of Fitl-mouth:-
Poile
Weymouth

Plymouth
L.ooe Fowey Falmouth
Giweek

> Penryn Truro l'enzance Sclly

And any crecks or places belonging to or within any or either of the above ports.
All ships and vessels bound to the following places, to perform quarantine at King Road and Portshite Pill:-

\section*{Bridgewater}

Mltebead
Bristol
Clancester
Cliepstow
Cardiff

And any crecks or places belonging to or within any or either of the above ports.
All ships and vessels bound to the following places, to perform quarantine at Milforil Haven:-

> St. Ives
Padstow
> Padstow
> 山arnstaple
lifracornbe
Llanelly
L'emblly
4 E

M Iford
Cuditan Curditan
Aberystwith

\section*{QUARANTINE}

Or any crecks or places belonging to or within any or elther of the above ports.
All ships and vessels bound to the following places, to perform quarantino at the Mutherbank, near Portsmouth, or St. Just's Pool, within the mouth of the harbour of Falmouth:-
\[
\begin{array}{l|l}
\begin{array}{l}
\text { Jersey } \\
\text { Guernsey }
\end{array} & \begin{array}{l}
\text { Sark } \\
\text { Aldemey }
\end{array}
\end{array}
\]

Or either of them, or any part of them, or either of them.
All ships and vessels bound to the following places, to perform quarantine at Inverkeithing Bay:-
\begin{tabular}{|c|c|c|}
\hline The eastern coasts of & Anstruther & prehendlin \\
\hline ticotand, compres & Prestonpans & orts of ln \\
\hline hending the ports & Dundee & 7 Puland \\
\hline purrow sioness & Perth & \%eland \\
\hline Burrow stoness
Allos & Montrose & Crmney \\
\hline Duthar & The northern por & sturuaway \\
\hline Kirkcaldy & of Scotland, com & \\
\hline
\end{tabular}

Or any member, crerk, or other place belonging to or within any or either of the above ports.
All ships and vessels bound to the following places, to perform quarantine at Holy Loch, in the Frith oj Clyde :-
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[t]{4}{*}{The western roast of scotland, comports of Clasgow}} \\
\hline & \\
\hline & \\
\hline & \\
\hline
\end{tabular}
Irrine
Campill Town
Chan
Hothesay
Furt William

\author{
\(\underset{\text { Port patrick }}{\text { Ayr }}\) Trraniger Whatown
}

I'he south-west ports of Seotlanil, comprehend ing the ports of Dumfries and Kirkcudbright, or any member, creek, or other place belonging to or within any or cither of the above ports.

\section*{Preliminary Questions.}
1. What is the name of the vessel, and the name of the commander or master?
2. Are you the commander or master? Where does sho belong?
3. From whence do you come?
4. To what place are you bond?
5. At what ports have you tonched since you left the port of your lading on your homeward voyage?
6. What vessels have you had intercourse or communication with on your passage, and from whence did they come?
7. Did the plague or any other infectious discase or distemper prevail in any degree at the placo whence you sailed on your homeward voyage or at any of the places nt which you have touched? If at any, say at which, and when. Are any persons on board your ship suffering under any infectious disease? or have any persons died or been ili of a disense of that nature on the homeward passage? and if any, what number? And if any have died or been ill of such disease, were their bedding and clothes destroyed?
[ If the vessel shall have sailed from any port in Europe without the Straits, or on the continent of America.]
8. Itave you on board any goods enumerated in this list?
[Handing up a list of articles enumerated.]
If you have, specify the same, and whether they aro of tho growth, produce, or manufncture of Turkey, or of any place in Africa within the Straits of Gibraltar, or in the West Barbary on the Atlantic Ocean, or of what other place? Have you any declaration to prove of what place they are the growth, produce, or manufacture?
[lf the vessel comes from the Mediterranean, or from any other place respecting which there is any order in council in foree concerning quarantine. \(]\)
9. IIave you any, and what, bill of bealth?
10. What number of officers, mariners, not passengers have you on boarl?
[And in cases of vessels coming from or having touehed at any port or place on the continent of America, or the istands atijacent thereto, or comin. from or having toucheal at any ports in the Wint Indies, the following questions are to be put, it addition to the aforesaid questions:]
11. In the course of your royage have anv persons on board sutfered from sickuess of any kind? What was the nature of such sicknes? and when did it prevail? How many persmo were affected by it? and have any of them died in the courso of the voyage?
12. How long after sailing from your port of lading, or having touched at any port on the constinent of America or the islands adjacent theretos or any of the ports in the West Inties, was the first appearance of diseaso observed?
13. llow had the persons attacked been employed before they came on board"?
14. Had they been employed in loading of unloading the vessel before they left the port?
15. Had the place which they inhabited, before ther sailed, the reputation of being healthy: et was it subject particularly to the fever incilent to the country?
16. Had the fever been frequent in the plave before the vessel sailed ?
17. Did the persons who were ill on board yous vessel fall sick nearly about the same time. within a few days of each other? Or, dide te disorder spread successively from one to anothe: and increase considerably? Or, did it alat gradually, and cease to multiply as the distance from the ports you sailed from or touched at is aforesaid increased?
18. What was the greatest number of perses ill at the most sickly period of your voyare?
19. What was the whole number of persems an
board your vessel when you sailed?
20. What is the whole number of personsera ill on hoard your vessel?
21. Can you state what were the symptoms illness with which your crew were first attackitl: and what was the daily succession nod chance them till their death?
22. Whether any and what medicines havetia used? and what methods have been adopeds prevent its spreading among the crew?
23. Whether attention has been paid to clas liness and ventilation on board your vessed?
24. When did you sai! from the port or fay whence you took on board your outward camy and at what place did you touch before !iv arrived at the port or place where you took inga piesent cargo?
25. Did you carry any bill of health with! to the port or place where you took in the cis you lhave now on board? From what plas? Were the said bills of health clean, urden suspected?

\section*{Quarantine Questinns}
1. What is the name of the vessel, and thens of her commander or master ?
2. Are you the commander or master?
3. To what port or place does she belong?
4. When did you sail from the port of pat whence you took on board your outward cug: and at what places did you touch before ris arrived at the port or place where yoa tolts your present cargo ?
5. Did you carry any bill or bills of healtid you to the port or place where you took it it cargo you have now on board? From th
- officers, mariners, and board?
ela coming frem or having place on the eontinent of aljacent thereto, or eminn; at any ports in the Writ puestions are to be purt, in d questions:]
o your voyage have my ered from sickness of any nature of such sickness? ail? llow many persmo and lave any of them died yage?
sailing from your part if thed at any port on the coshe islands adjacent therete, in the West Indies, was the zease observed?
persons attacked been emme on board"?
en employed in loading or sel before they left the
which they inhabited, hef were wtation of being healthy': " ularly to the fever incident to
er been frequent in the place iled ?
ons who were ill on board yons arly about the same time. ? of each other? Or, did the cessively from one to nnothen cescrably? Or, did it abace se to multiply as the distane a sailed from or touched at as
he greatest number of persins
kly period of your voyage?
he whole number of persis is when you sailed?
whole number of personsiciz vessel?
te what were the symptoms ? I your crew were tirst attadidi e daily suecession and changet ath?
by and what medicines haretite methods have been alopted th ling among the crew? ttention has been pail to desation on board your vessel? you sail from the port or pax \(k\) on board your outward dam? lace did you touch before ?! rt or place where you took ing
carry any bill of health with ? 0 ace where rou took in the ars on board? From what plet bills of health clean, uadanco

\section*{uarantine Questinns.}
te name of the vessel, and the ows or master?
he commander or master?
ort or place does she belong? you sail from the port of ok on board your outward clus? places did you touch befor ? port or place where rou that ryro?
arry any bill or bills of healiderd arry or place where you took in pee now on board? From the
places? Were the said bills of health clenn, unclean, or suspected?
6. From what port or place does she now come? When dud you sail trom such port or place? nud at what place or places have you tonched in the course of the royage?
7. Have you nuy bill or bills of health on board? From what place or places? Are the same clean, undea., ir suspected? I'roduce them.
flf the vessel shall have sailed trom any port or jlace in Europe withont the Straits, or on the continent of America.]
8. Of what articles does your cargo consist? llave yon on board any goods enumerated in this list?
[Handing up \(n\) list of articles enumerated.]
If you have, specify the same, and whether they are of the growth, produce, or manufacture of Turkey, or of any place in Afrien, within the Straits of (iibraltar, or in the West Barbary on the Atlantic Ocean, or of what other place. Have you any declaration to prove of what place they are the growth, produce, or manufucture?
9. At what place or places was the cargo or any part thereof taken on board? On what day did you arrive at the place or places where you took in the whole, or any nad what part of the cargo? dnd on what day did you sail from such place or places? And what part ef your cargo was taked inct each place, and when?
10. Did the plague or any other infectious disease or distemper prevnil in any degreo at the places whence you suiled, or at any of the places at which your eargo was taken on boarl, or at whieh you touched? If at any, say at which, aad when.
11. Did you hear of any report, or are you arare of any suspicion having existed, at the time of vour sailing, that the plague or any other infectious discaue prevailed at the place whence you sailed, or at any other place in the Mediterranean (or in America or the West Indies, as the case may be) ?
12. What number of offieers, mariners, passengers, or other persons huve you on board? Describe the number of each.
13. At what port dil you take on board your passengers?
14. Were they residents at the place, or had they been embarked as passengers on board mny other vessel from any other places? and from what places and at what time?
15. Do the said otheers, mariners, passengers, and other persons consist of the same individuals as were on board at the port from which you sailed upon your bomeward voyage? If any other persons have been taken on board, or if any of your officers, crew, or passengers have quitted your ressel since you sailed from such port, or before your arrival at this place, or if any other alterations in that respect have taken place, sjecify the same, the causes, and the timo or limes, of stach alterations.
16. What number of persons (if any) have died on board during the vovage outwards and homefrards, or at any port at which you have tonehed? When, and in what part of the voyage, did such persoa or persons die? Of what discase or dismper?
17. Hase any of your officers, mariners, or other persons of your crew, who sailed with you on your utward voyage, died or left the vessel?
18. In the course of your voyage outwards or omewards, or at any port at which you have ouched, have any persons on board suffered from ckness of any kind? What was the nature of pel sickness? When did it prevail? How many
persons were affected by it? Are there any convalescents on board? Or, are all persons on board at preseut in good health?
19. Were any of those who died, or who have been sick in the course of the voyage, or any port nt which you have tonched, affected, or suspuected to have been allected, by any infections diserase or distemper? Were the bedding and clothes of such disensed and siek jersons destroyed? If so, when and in what manner were any of the persoms intmediately employed aboit the sick afterwards taken ili? If so, of what disease? and in how many days after having been so employed?
20. At wiant precise timo did such denths happen? In how many days after being indispused did the sick die? What were the most olvious np, carances of the disease?
2l. Have you spoken to or otherwise had any communicntion with any ve.sels at sea during the voyage? What were the numes of such vessels? and to what comntry, port, or place did they belong? From what ports or places were they coming, or at what ports or places had they touched on their voyage? and to what country, purts, or places were they bound? What was the nature of the communiention held? What do you know respecting the state of health on board sich vessels?
22. Iave there been any letters, parcels, or other articles delivered out of or received into your vessel, from any vessel or boat met with on the voynge, or before or since your arrival at this place 's And what were such letters, parcels, or articles? And where were the same delivered or reccived? and into or ont of what vessel or boat?
23. Have you any packages or parcels which you have taken charge of? If so, what are their contents? and when and where did you take them on board?
24. What pilots or other persons from the shores of the United Kingdom, or from the islands of Scilly, Guernsey, Jersey, Alderney, Sark, or Man, have been, or are now, on board your vessel, or have had any commmnication whatever with the ship's compary, or any of the passengers, during the voyare homewards, or before or since your arrival at this place? If' any such pilots or other persons have come on board, and have afterwards (quitted your vessel, specify the names of such persons, and the time, manmer, and circumstances of their so quitting your vessel.
25. Did you leave any British vessels at any of the ports you sailed from? If yon did, mention their uanes and the names of their commanders.
20. Were such vessels loading? were they near their departure? and whither were they bound?
27. Did you macet with any British vessels at any of the places you touched nt? If you did, say when, where, and what were the manies and destinations of such vessels; and to what ports or places did they belong?
28. Do you know whether any foreign vessels loading at the port from which yon sailed were bound beyond the Straits of Gibraltar? And if so, what were they? and whither were they bound?
29. Do you know whether any person whatever employed in loading your vessel, or in bringing any articles into it, or having any commanication on board thercof, was trken ill during such employment or communication? or whether, by the absence of soch persen or persens in the course of sueh employment, any suspicion was entertained of their having been ill? If so, of what disease?

\section*{QUEBEC}

QUASSIA
30. Do you know whether or not your cargo, or ne part thereof, had been longs in warchouse before its being taken on board? If you its, being how long. llave you nny knowledge of from packed or handled on shore, or convey aflected hore, or stowed on board, by persous nifeeter with the plague or any other linfections dlsease or distemper?

The lublic llealth Act (29 aring on board any enacts that person affected with a to be whthin the provisions order, slail be deemen. \(\mathbf{c}\) 78, although such vessel of the Act 0 gre. \(h e r\) voyage or has como from has not commenced he place in the United Kiuror is beund for some place in the the of yellow dom..' On aecount of the prevalenders in council fever in the West Indies, 1867 , but these were rewere issued in 1866 and 1867 , but
voked by order of February 23,1869 . Baltic
The protection of the coathe plagne is enngainst the introluction of thatine establishment trusted to the Swedish quarance regulntions in at Kinse in the Cattegat. See reg. 1865, pubBoard of Tracle notion Gazette. See also Quarnatine lished in the London Gazette. See heads of rarions
jorts.
For quarantine regulations censequent on the cattle plague, see Cattlit and Sineer. Further legislation on this branch of \(t\)
for during the session of
QUASSIA (Ger. quassienhera, benutiful tall quassie; Span. leñe de casin), A in North and tree (Quassia amara), West Indies. The wood South America, and the pale yellow colour, and inis dense, tough, of a paic yelow purely bitter. odorous.
(British \(h\) Pharnacopeia, 1867.\()\)
(British Pharnacopeia, 1807 .)
It is pretty extensively emp. Cullen that 'it will medica; and it is said by Dr. Cullenitter can do.' do all that any pure and 'Quassia.') It has been (Rees's Cyelopadia, art. Quassia.) the brewers of alleged that it is sometimes used instead of or along with hops; pale and other ales, for this purpose is prohibited but the use of it for this purpose Beer.] When under severe penalties. [Arfe AND BeEn.] their imported it is in bineduced to chips, or rasuel by being infised, are reduce in bond varies from 20 s , the druggists. Its pricelibitory duty of \(81,17 \mathrm{~s}, 6 \mathrm{~d}\). to 30s. per cwt. A prolibitory duty own to 18.42, per cwt. was imposed on quassa Peel to 10 s . \(6 d\). when it was reduced by Sir lobert peing reduced in ( \(10 \mathrm{~s} .+5\) per cent.); and abolished in 1860 . In 1853 to 1 s . per ewt., and exports of the article 1867 the imports and exports of 715 cwt ., amounted respectively to
valued at 296l. and 200..
QUEBEC. The capital of Que the north-west Canada East, or Lower Canada, about 340 miles bank of the river St. Lawrence, a \(1^{\prime \prime} \mathrm{N}_{1}\) long. \(71^{\circ}\) from its mouth, in lat. \(46^{\circ} 4910\).
\(13^{\prime} \mathrm{W}\). Population in 1861, ridge, or promontory,
Quebec is situated on Rence on the \(S\). and W., formed by the St. Lawrence the E. The extremity and the river St. Charles Cape Dinmond, is about of this headland, calevel of the water, and on it 345 feet above the the citadel is built. The theneast direction, down citadel, principally in a north-casiference of clevato the water; and is, from the diference lower towns. tion, divided inte which are very strong, extend The fortifications, which the eircuit within them across the peninsula; From their situntion many being abont \(2 \frac{3}{4}\) miles. From their site also, for the of the streets are une they are either well-paved most part, narrow; but they are eitherber of the or macadamised.
e, with shingle roofs, gs are elegant, and well , The harbour, or hasin, the whand of Orleans. : the water is about? \(\%\) le rising from 17 to is 123 to 25 . Quebec was 11608 . In 1629 it was It was restored in 163: e Finglish under Ginen! engrgement, in 1700 : to us by the treaty of
if population in, and of Tanada hass oceasiunel a intercourse hetween QueI tho Canalian ports on - The lirst steambaat that ice was launched in |x|: ; ant many steamers, sone of mploved in the converance cers between Quebec and trade between Quebec aul tia. It now possesser, tw, ilways. And by meass of nd Camals, an uninterrupted nication is formed betweta ierstburg, one of the remote Canada, a distance of mive ich is now extended therest western extremity of Laki mlles beyond Amhurstburs: command of interns! navigs. that of New Orleans. Tha e closes at the end of Sorem. December, and opens in dpail. river is seldom frozen over; Hoating ice, kept in constant \(x\) and reflux of the tide rendes icable. The waters of the st. pure; and in point of depth is one of the noblest fivers in aette's British Dominions in 272.) Quebec is a free \(n\) wib
elece is very extensise, He treal, almost the entire tuded the mother country, the lis a regular intercuure, brmas Montreal and other purts hiqiz nee, and with Ilalifax and ohas nee, a. Still, it must not be fo far as the Énited Kingbait ade with Canada and Quete is forced and factitious, sadd hasis protit, but the revere. Incte act, mainly a consequene of ti uties laid in our ports on tim of Eurepe; and but for this \(p\) rement, the trade betrestres ebee would have been exnald
Now, however, some branda Now, however, some alditat:
to have acquired a ling the reduction of the disit: an fivour of Baltic timber, and fition of the timber duties in : om Canada and other pars ea of red pine, latef, hare of nereased. Corn, furs, butten, most important articles sent is ting timber. A considerable arid flour exported from (Qube is is he United States, The pirid port into Canada consisit of ens, silk, and other manalims ware, spirits and wive ina
scount of the Quantities and Values of the Principal Articles of British Produce und Manufucture Exportcd from the United Kingdom to Canada in 1865, 1866, and 1867.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow{2}{*}{Principal Artictes} & \multicolumn{3}{|c|}{Quantitics} & \multicolumn{3}{|c|}{Declared Real Valua} \\
\hline & 865 & 1966 & 1867 & 1863 & in6 & \(1 \times 67\) \\
\hline Ahall, of all carts & 39,256 & 35,918 & 61,8;0 & \({ }_{1 N, 209}\) & \({ }_{31,14}\) & 34,101 \\
\hline  & & T,778 & \(\overline{2} 3 \times 3\) & 31,616 & sin \({ }^{2}\) & 516,6116 \\
\hline  & 1,4:20 & 1,778 & 2,383
4.178 &  &  & 13,34 11.913 \\
\hline  & 1412,341
2,311 & 131, \({ }^{3}\) &  & 68, 4103 & 76,191 & 6\% 41 \\
\hline  & & cishis & - & 10, 10.196 & 17, \(17 \times 4\) &  \\
\hline  & 20,987\% \({ }^{2}\) & 86, \(8310.4 \times 42\) & 23,030, 0 , 060 & & \$99, 16.911 & 13,74y \\
\hline cotume entereat ei wasue : valua & &  & 23,030,300 & 310,033 & 6i, 393 & \\
\hline prisa and chamical irimucts : : ". & 二 & - & &  & 10, 11.45 & 37,415 \\
\hline Eartimew se and porcelaith : : " & & & & 17,290 & 4, \(4,3,39\) & 84,7,493 \\
\hline  & 16, 4500 & \%9,968 & 50, 601 & 99,431 & 137, 1141 & 137,9\% \\
\hline fron, wroupht and unw rought: : Hons & 45,164 & \({ }^{83} 3.387\) & \({ }_{69,437}^{613}\) &  &  & 632,039
15,439 \\
\hline Cead onter, wrount and unwroughi : ralie & & & & 6,9,1033 & 18, \({ }^{18,596}\) & 13,434 \\
\hline Linest, entered ds the yord : & 2,44,122 & 4,130,86\% & 3 3 \(3 \times 2 \times 504\) & 8\%,1035 & 1.1, 41 & 96,097 \\
\hline Mechinery and mill work : & = & & & & 20, \(0,6,3\) & 18,968 \\
\hline Yotheed & 38,519 & 1801,733 & 17x,213 & (2,072 & sontux & \({ }_{24,597}\) \\
\hline Priner's coloun (not otiverwle dercribed) value & & & & 10,014 & 26, \({ }^{\text {P/ }}\) & \(3{ }^{3} 512102\) \\
\hline  & 7,466 & 14,873 & 81,03F & 29,4,36 & \begin{tabular}{l}
31,14 \\
14,742 \\
\hline
\end{tabular} & 66,180 \\
\hline Plate, ploced ware, Jewillery, and watchee ;is & & & & 19.761 & \&i, (1i & \% 2 ,901 \\
\hline Ssalt menutactures : & 33,811 & 32,070 & 90, 144 & 11,3,37 &  & 1N,210 \\
\hline  & \(\overline{2}, 151\) & 11,134 & 8,311 & 3, & 11,517 & 33,475 \\
\hline Stationery, other than paper - - volue & & & & 8, M, 31 & 14,838 & 2t:14 \\
\hline cearar ritined. \(\quad: \quad:\) cwi. & 5,564 & 2,192 & 16,950 & 6,771 & 4,199 & 77,401 \\
\hline Win pileme entered lis the gard: & 8,352, \(\overline{4} \mathbf{8} 63\) & 10,995,789 & 0,177,826 &  & \({ }^{60,174}\) &  \\
\hline dil other articiee & & - & - & 2,118, & -3,926,317 & - \(3,7 \times 3 \times 3 \times 3\) \\
\hline
\end{tabular}

Account of the Quantities and Values of the Principal and other Articles Imported into the United Kingılom from Canuda in 1865, 1866, and 1867.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow{2}{*}{Princlpal Articlet}} & \multicolumn{3}{|c|}{Quantities} & \multicolumn{3}{|c|}{Computer Real Value} \\
\hline & & 1863 & 1868 & 1867 & 1465 & 1 HEf & 1867 \\
\hline & & 113,913 & 69,882 & 37,934 & \(181,{ }^{2}\) & 12K,3iz & \({ }_{1040}^{2}\) \\
\hline Alhes, pearl and pot
Bacon & \(=0\) & 9,194 & 3,1,312 & 14,148 & 26,372 &  & 27,541 \\
\hline  & - " & 1,118
315611 & - 6 ¢,482 & \(1.3,821\)
3
3,215 & 4 \(\begin{array}{r}4,187 \\ 16797\end{array}\) & (14, \(\begin{aligned} & 12 \\ & 163,3 \times 3\end{aligned}\) & 81,183
\(11 \mathrm{k}, 601\) \\
\hline Huter: & - " & 31,5461
\(10,4.3\) & \(38,44 y\)
\(16,46 \mathrm{~K}\) & 33,213
33,524 & 167,997
29.986 & 163,3\%3 & 1118,601 \\
\hline Copese or & - töns & 10,2, 217 & 16,464
1,736 & 3,1322
1,059 & 29,986 & 3.31334
14,048 & 87,817
10,405 \\
\hline Copper ore
Cora-Wheat & - tons & 306,765 & 3,039 & 6月3,127 & 13x,311 & \(2,34.3\) & 342,309 \\
\hline Coram Wata & 0 & 47, 055 & 847.077 & 189,142 & 424,43, & 330,338 & R4,906 \\
\hline Peas: & - " & \(2 \times 15,9 y 5\) & 360,379 & 791919 & 113,2\%3 & 233,1199 & 363.636 \\
\hline Maice or Indian corn & \(\cdots\) & 302,173 & 8.9 .878
12.1278 & 338,0128
378,462 & 97,914 & 288,575
61.254 & 140,447
35,802 \\
\hline Wheatmeal and flour & - " & 177,257 & 12.1,124 & 378, 10 , 015 & 113,149 & 312,498 & 121,711 \\
\hline Oatmeal & - " & 339 & 31,478 & 88, 1169 & 15,166 & 43,674 & 63,634 \\
\hline Cothon, raw & - " & 385 & 2,980 & 4.8875 & 5,945 & 24,200 & 21,964 \\
\hline Fith & - & -988 & 132 & 12.10 .3 & 8 197 & 348 & 6,246 \\
\hline Fruil-spples, raw & - bshl. & 5,536 & 5,6:9 & 30,799
8,647 & 2,490 & 2,997
3,433 & 13,483 \\
\hline Himut en mined, tawed, curried, or irensed & \(0{ }_{0}^{\text {cwt. }}\) & 276,135 & \({ }^{991,3877}\) & -88,6974 & 2,983 & 10,147 & 6,444 \\
\hline Iton and stee!, wrought or manufactured & - value & & & & 4,235 & 5,048 & 10,463 \\
\hline Lard . - & - cwt. & 354 & 296 & \%,741 & 1,303 & \({ }^{7} 789\) & 6,948 \\
\hline Oidseed cate & - tons & 1,481 & 9,295 & 1,248 & 14,231 & 24,788 & 13,549 \\
\hline bins and fors-. & - No. & 21,669 & 51,646 & 68,915 & 12,350 & 15,298 & 20,597 \\
\hline Fos & - No. & 24.069 & 3,3MS & 11,973 & 1.014 & 2,16 6 & 6,144 \\
\hline Natten : & - " & 11,017 & \({ }^{13,941)}\) & 18,948 & 7,21\% & 10, \({ }^{\text {a }}\), \(6 \times 3\) & 14,408 \\
\hline Other \({ }^{\text {Other sorts }}\) & - value & 2,2.31 & 3,337 & 4,870 & 2,4,99
3,466 & 17,130 & 42,54, 04 \\
\hline Tusow \({ }^{\text {a }}\), & - cwt. & & 6,066 & 3,132 & 13,10 & 13,637 & 42,519 \\
\hline Tobacco, manofactured, and cigas & - 1 b . & 1,181 & 6x,463 & 2,453 & 30 & 1,765 & 81 \\
\hline Wood and simber :
Not sawn or apilt & - loads & 615,105 & 505,763 & 421,132 & 1,876,186 & 1,786 98 & 1,536,501 \\
\hline Deele, battene dec, sawn or tpilt & - " & 317,636 & 2904,393 & Y4,3,397 & 946,912 & 41173 & 659,258 \\
\hline \({ }^{\text {Brave }}\) - & - " & 19,345 & 25,252 & 20,451 & 135,181 & 411
10
19 & 185,35, \({ }^{\text {a }}\) \\
\hline Wathwood \({ }^{\text {Walnut wood }}\) & - "ton & 14,28.3 & 9,567 & & 19,797
10,097 & 126 & 9,503
6,390 \\
\hline Wool, oheep or lambs' & - ih. & 9,800 & 205,819 & 117,330 & 1.147 & 1479 & 6,963 \\
\hline All other articles & - value & - & - & & 50,993 & 3270 & 5.1,6.53 \\
\hline Total . - & - & - & - & - & 4,013,374 & 4,402,422 & 4,37.3.2\%99 \\
\hline
\end{tabular}

Falue, in Dollars, of Total Exports of Domestic |sent out by England to pay the troops and meet Produce from, and of Total Imports into Canada, in 1864-67.
\begin{tabular}{|c|c|c|c|c|}
\hline & & 1861-65 & 1865-66 & 1866-67 \\
\hline \[
\begin{aligned}
& \text { Prpors: } \\
& \text { Imporie }
\end{aligned}
\] & & \[
\begin{gathered}
\text { dols. } \\
42,481,181 \\
14,680,469
\end{gathered}
\] & \[
\begin{aligned}
& \quad \begin{array}{l}
\text { dolic. } \\
51,4+16,51 \\
33,798,580
\end{array}
\end{aligned}
\] & \[
\begin{aligned}
& \text { dole. } \\
& \begin{array}{l}
48,4 k 6,14.3 \\
39,048,9 n 7
\end{array}
\end{aligned}
\] \\
\hline
\end{tabular}
rdware, sugar and tea \&e. The total value of cexports from the United Kingdom to Canada 1867 amounted to \(4,245,5522\). When the imports 0 exced the exports to this country the exis priacipally paid for by the Treasury at e, and should be regarded as the means
sent out by England to pay the troops and meet preservation of this great but unprofitable colony. Reciprucity Treaty with United States.-It must be obvious to anyone who takes up a map of North America, and observes the long continuous frontier of Canada and the United States, and the magnificent lakes, or great inland seas, by which they are in part divided, that the trade between them can hardly fail to be most extensive And such is the case. Down, indeed, to a comparatively late period, the intercourse between the two countries was bubjected to various regnlations and duties, contrived for the most part in

\section*{QUEBEC}

Summary Statement of the Busincss of the Welland, St. Laverence, Chambly, Burlinyton, Otturet and Rideau Camuls, St. Ours and St, Sun's Locks, showing the Total 'Rurnhtly of each clescription of Property passed through and on the same, and the Amount of Tolls collcted,
during the Fiscal Yetur cuded, June 30,1867 .
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Articles} & \multicolumn{2}{|l|}{Welland Canal} & \multicolumn{2}{|l|}{St. Lawrence Canal} & \multicolumn{2}{|l|}{C'hambly éanal and st, Ours lock} & \multicolumn{2}{|l|}{\[
\begin{aligned}
& \text { Hurlington Buy } \\
& \text { Canal }
\end{aligned}
\]} & \multicolumn{2}{|l|}{Rt. Ann's Lunk} & \multicolumn{2}{|l|}{IIticuw and Hisesu Candi,} \\
\hline & Tuns & Tolls & 'Tons & Tula & Tons & Tolls & Tons & Tolla & Tous & T'olls & Tons & \\
\hline Vessels of all kinds &  & \[
\begin{gathered}
\text { dols } \\
31,42 \%
\end{gathered}
\] & 1.194,976 & \[
\operatorname{dol}_{\substack{4 \\ n, x!}}
\] & 414,614 & thols. 4,2:213 & & \[
\begin{gathered}
\text { dols, } \\
1,010,5
\end{gathered}
\] & & & T- & \({ }_{\text {Tolis }}^{\text {dul }}\) \\
\hline Prawnger iNo. \({ }^{\text {Prem }}\) & 7.173
294.153 & \({ }^{24,8616}\) &  & 4,417
\(\begin{aligned} & 4,117 \\ & 15, N 47\end{aligned}\) & 1,617
3.717 & 43, 819 & 282,778
4
40,361 & \[
\begin{aligned}
& 1,019 \\
& 1,09 \\
& 102
\end{aligned}
\] & 150,914 & \[
1,127
\] & 371,618 & dun \\
\hline Proluce of farent & 20) \({ }^{\text {cids }}\) & 24,816
6.3 & 519.524
1.7116 & 15, 18.4 & 3.11,415 & 23,6,34 11 & 40,3111 3 & 1, i102 & 3is,201 & 5,116 & 127, 4 & 0.3 5in \\
\hline Snlinal Proxduce & 2, 9.48 & \({ }_{61}^{7313}\) & 10.411 &  & 1916 & 117 & 2,0.36 & . \(313^{5}\) & 41.7
796 & 娱 & - 14 & \\
\hline Vegotathe find & 31.1975 & 61, 5137 & M \({ }^{1}\), 3141 & 13,739 &  & \(5{ }^{5184}\) & 111,483 & 1, yes & 1,178 & 146 & 1,971 & 91 \\
\hline Agricultural products & 12,264 & - \(\begin{array}{r}8,936 \\ 42,553\end{array}\) & 43, 416 & \% \(7,7,6,76117\) & 12,965
4.176 &  &  & 4,496 & 1,172 & 1963 & 6, \({ }^{6} 1.9\) & \(31 \%\) \\
\hline Alarchandise : &  & 29,685
4.9 & 61,1:3 & crinct & 31.797 & 1, 11.14 & 31,613
46,175 & 4,019 & 11,352
8,161 & 489 &  & 181/ \\
\hline
\end{tabular}
a petty and jealous apirit, by which its development was cranped and impeded. Int in 1 wiol the Reciprocity 'reaty introduced a better and more hiberal system, but this, since its termination by notice from the United States, has not been renewel. It admitted the free transit of several most important articles from the United States into Canadn and the other provinces of British North America, and, conversely, and tho reciprocal use of their seas, rivers, and canals. This ;udicious and well-considered measure led to a vast extension of the trade between the United states and what is now called the Dominion of Canaila, or British North America, and has been of sigaal advantago to both. We sulyoin a list of the atticles which passed freely across the frontier: 'Grain, Ilour, and breail stuffs of all kinds; animals of all kiuts; fresl, smoked, and salted meats; cotton wool, seeds, and vegetables; undried fruits, dried fruits; tish of all kinds: products of fish and of all other creatures living in tho water; poultry; eggs; hides, fars, skins or tails undressed; stone or marble in its crinle or unwrought state; slate; butter, cheese, tallow; laril, hens, manures; ores of metals of all kinds; coal; pitch, tar, turpentine; ashes; timber and lumber of all kinds, round, hewed, or sawed, ummanufactured in whole or in part; firewood; plants, shrubs, and trees; pelts, wool; llsh-oil; rice, broom corn, and bark; gypsum, ground or unground; hewn or wrought or unwrought burr or grindstones; dye stulls; tlax, hemp, and tow unmanufactured; unmanufactured tobneco ; rags.'

The following tablo slows the rapind inerease of the trale between Cummla and the Culited States maler the lieciprocity Act.

Exports from Canada to United States.


Quebee is a principal port for the importh. tion of immigrants, 20,863 haviug been landed there in 185ti, and 31,281 in 1857, and the total number landed in Canada in 1867 was \(30,-3 i\) most of them re-emigrating to the United States, In 1867 there were 15,503 emigrants from this country to our North Americau colmies, the great majority of whom lauded at Quebec.
Value of Exports from and Imports into Quede.


Canadian Turiff of Cusioms, as in Foree on October 1, 1868.

Acid, sulphuric, sc. per lis.
Acetic acili, 15 p.c. ad val.
Advertising p pmphlets, 15 p.c. at val.
Alabaster ornamentst is p.c., all val.
Aicohol. on every galion on the nitrength of proar of Sykes' hydrometer, quantity than nallon, ( 3 c. jer yal.
in cask s, 10 p.e. and \(3 c\). per gal.
in bottles ( 5 quarts or pallon) 10 pints to gat and in bott.
Allases (not elsewhere mentioned) 15 p.c. ad val.
A ses, 15 p.c. ad val.
Hazatella boards, 1 'sp.c. ad val
Ber , in caski, 10 p.c.c. and se. per gas. per kil
Benzole. 15 c . per gal.
Blliex, Testemerts, pray book and devola 1 Blifiard tablen, 1.5 p.c. ad val.
Hili-headn, \&c. is p.c. ad val.
Mills, printed, lithographed, or copper-plate, is p.c. ad val.
whatever conteng spirit, vermouth, and other splifituous liquors, of Whatever strength, not otherwhes specified, on every fallon of the greater strength, and tor every less quantity than a gallon, \$00. per yal.
Blackiog, 15 p.c. ad val.
Books, copyright zeprints of, \(12 \frac{1}{2}\) p.c. ad val.
which are copyrixhted In Canala, is p.c. ad val
printed periodicals anil paimphiets, not being foreign reprints of
nor books to be works, nor brank account books, copy book
 broks co
nd val.

2 Iracelets, 15 p.c. ad val.
Iracelets, 13 p.c. ad val
Irads, 15 p.c.ad val.
Irraid \&ec, made of hale, 15 p.c. ad val,
Brandy (on every kallon of the strength of proof of Syter hydrames
and so in propurtion ror any greater atrength, and for eter as
Mritennla metal ware, 15 p.c. ad val.
lironze ornaments, 15 p.o. ad val.
irooms and brushes of all kinds, 15 p.c. ad va
Cabinet ware or Furniture, 13 p.c. ad val.
Cables, hemp ound grass, for ships unly, is p.c. ad ral.
Cameos or mosatce, 15 p.e.c. ad val.
was, or any other makris, is 1
Candy sugar, brown or whice, lc . per to. and 25 pe . ad wal,
Cane juice, fc. per lb, and 25 p.c. ad val.
capn, 15 pic. od val.
Carriagen, not elsewhere specifed, 15 p.c. ad ral.
Cassia, ground, ew p.c. ad val.
ungroundrall
Cement, hydraulic, ground, and calcined, 15 p.c. ad rat
Chandicliers, 15 p.c. ad val,
Charts, not elsewhere mentioned, 15 p.c. ad ral.
Cheese, 3 c . per hl.
Chese, 3 c . per Cl .
Chicory, or other root or regetable used as coffie, raw of grees
Chlcory, kiln-Irled, roasted or ground, \(4 c\). per lb .
Chinn ware, 15 s p.c. nd val.
Chocolate, is p.c. ad
Cikars, value not over 10 dol. per mille, 3 dol. per mille value over 10 dol. and not orer 20 dol., 1 dat. per mille value over y(t) and not over 40 dol., 5 dol, per nill
value over 40 dol., 6 dol. per mille

\section*{Comedints Tariff of Customn-continued,}
bly, Burlinytun, Ottorw "otal Quantrty of tach nount of Tolls cellceted,

hows the rapill increase of ila anl the United States ct.
ed States into Canalu.

da to United States.

sipal port for the importa20,863 having ben landed 1,281 in 1857, and the total gnada in 1867 was 30,30, grating to the United States
15,503 emigrants from this rth Americall colonics, the om landel at Quebec.
rom and Imparts into Qultst.
\begin{tabular}{|c|c|}
\hline Eiphorts & 1 Imports \\
\hline  &  \\
\hline
\end{tabular}

\section*{er \(1,1868\).}

Sp,c. ad val. niny kreater strength, and lof etea a Euc, nur zal.
p.c. si ad va
kinds, is \(\mu, \mathrm{cc}\) ad val.
, 15 p.c. and vas
or shipq only, 15 p.c. ad val.
Cilow, was, or any other materis, 17 \%

\(\underset{\substack{\text { ppecifed, } \\ \text { ral. } \\ 15 \\ \text { p.c. oul ral. }}}{ }\)
Iral.

Immaman, around, 25 p.e. at ral.
Man hay isp.c. ail val.

Cluthink or wearing appaset, made by hand or newing machine, 15

Cull whid ditilied, trarticed anul retived, 15e. per gal.
Cuna, is pe. .ad pall in.

Colmert, not ather wise pyertivid, is p.e. ad val.



(ontunt 1, pr, c., wit pal.








Fincy,


Yish, prowervel, ispu.co, al val.
Fork, sated puctad malit.
Fork, 13 p.c. ad vit 10,15 .e. all val.



In properion for any greater sitrength and for every less quantliy
Gimen sas lon, hoc. per pal.
Ginger, gromind, "5 p.e. a.s ral.
Girinndoles, 15 p.c. aul val.
Gilas anil glas ware, plate, and stivered, atalned, palnted or coloured,
Blas paler ant plass ctoth, 15 p.c. ad val.

tiunpoxder, Is puc, ad, val, is p.e. ad val.
Hardurre, not evsew here speecfied, 15 p.e. act val.
Hiries ind harntas furniture, 15 p.e. aud val.
Hist plach, is p.c., ad val.
Hest, 15 p.c. ad val.

\(\underset{\text { florwh, } 15 \text { doi. per had }}{ }\)


tron castimgs, 15 p.c. and ral.
Iron of the descipitions following, viz. i-
Canda plater and tho plates, 5 p.c. ad val.
Canda plates and thin plates, 5 p.e. ad val.
thect, 3 p.e. ad tal.
wire, nail, and aples rod, round, nquare, or flat, 3 p.c. ad
\({ }_{\text {tar, rod, or hoop, } 5 \text { p.e. ad val. }}^{\text {ral }}\)
boilur plate, 5 p.c. ail val.
Japsnned tin ware, 15 w.e. ad val.
Jewerlery, 15 pic. ad val.
Kerocine oli, whitiled, parified, and refined, líc. per gal.
Lard, ic. per ils.
Lealher, sole and upper leather, and cow hldes, spitt and kip, not
ellemere apecified, 111 p,c, ad yal.
elvert lere apecified, \(111 \mathrm{p}, \mathrm{c}\), ad val.
Leather, sls, sheep, calf, goat, and chamola akins, dressed, varnished,
or enamelied,
or enamelied, is pec, ad val.
Locomotive engines, \(15 \mathrm{p}, \mathrm{c}\). ad val.

Macaroni, is p.e. ad ral.
Msidines, mowin5, thrashing and reaping, is p.c. ad val.
Mashnes, mowing, thrashing
Mali,
Nantelpieces, \(1:\) p.e. ad val.
Msnufacturs of brne, shell, horn, pearl, Irory, brass, copper, caout-
choce, sndla-rubber, gotta percha, enihmere, fur, or of which fir
 German silver, und plated and gilded ware of all kinds, of grass, osier, palmu leaf and straw, hair, mohair, imitations of marhte, other than roukh sawn slabs or hlocks, leather, including boots and these, hamess and saddlery, straw, except, plaits, whalebone,
willow, snd of wood, not elsewhere apecified, 15 p.c. ad val. Mnalaw, sures of woopier-máche, 15 p.c. ad val.
3lanufactures of refined ungar, ineluding succades and confectlonary. le. per ll. and 26 p.c. ad wal.
Mrrtie head and fout stones, syuareli or cut to order, or celumns,
shafts, or parts thereef, 15 p.c. aul ral.
Meats, fresh, salted, or strolked, le. per Ib.
Melanto, ice per Ib. and 25 p.c. act val.
Millinery, is per. ad val.
Molases, if used for retining or for the manufacture of augar, 73 c .
per \(10 \mathrm{l} / \mathrm{l}\).
Molasses, If not so used, 25 p.c. ad val.
concentraterd, or ayrup of, ic. per th. and 25 p.c. ad ral.
Mowing, reaping, and thrashing machines, 15 p.c. aul val.
Masical torese, 15 p.e. nd ral.
Mustard, l's pec, ad val.
Mtusic, sheet, 15 p.e. ad ral.

Nash, 15 p.e. atl wat.
Naphtha, 15 ,
Nrwquapers, foreinat, sent otherwlse than through post office, is p.e. Nats, ditied, is p.e. all wal.

Ohlires, whing pround ne ealctred, \(15 \mathrm{p} . \mathrm{e}\), at val
gil cloth, is prow, at wal.
Dite, any way rectilny)
Dik, any way revelitind, punyeil, rackerl, blenched, or presual, not



 ponialued, arul extuyy contalnitig ulphuric actu, 15 p.c. ad val. paints, is pre. al sal,
l'iper, book, maly, ar news.printing, \(1^{\prime}\), p,e, ad val.
l'atent medicunes, conimbonly called patant medicines, nr any neelicime ir proparation of whith the recibe in kept secret, or the Ingrehill or taleel, for the rultef or cure of any diwardtr or allment, 2:) p.e. parn val, is
l'arawoly, is p.c. at val,
Pepper, groait, 25 p.c. nd val.
'rerfamery, nut elnewhure wiecifien, 25 p .e, ad vat.
I'refumed spirity, Id. Whe, wit qol.
1 cermburn cruile, be pher fal. per gat
Pickles and sinuces is pe.e. aid val,

nugrownh,, p.e, at val.
lifister of l'aris, gromed and catelned, 15 p.e. ad val.
Minte, rolled lron, 5 phe, nal val.
ilaten, boiler, 5 pic.


in bottlea \({ }^{1}\) ', quarts or 10 plints to p.e. gallun), fe. pet gal. and 10 Portalite printing
porraltry, printing prestesen, 15 p.c. au ral.
Prevery, preserved, meats, is p.o. ad pal.
Irints and engrapinga, is p.c. ad val.
i'rotucts of petrolewin, coal shale and lignite, net otherwlse apect-

Hakes, 15 p.c. ad val.
Hice, is phe
Hitese, 15 p.c. ad val.
Rod, nill and spike, round, mquare and flat lron, 5 p.c. ad val.

lum (on every pailon of strength of proof of Sykes' hydrometer, and
for eviry preater streugth and for every lews quan

Sails, ready nimele, 15 loce ad ral.
Satins, 15 p,
Satins, 15 j.c. all val.
ticythes, 15 j.c. nul val.
sewing silk, is p.c. ali val.
Shawls, 15 p.e. atl val.
Sheep, 1 dol. per head.
Shellac, \(150 . c\) ad vale
Nhurs, is p.e. ad val.
Nhovelt, is p,ec, at val
Shlis, 15 p.ce. ad wal.
Simall wares, is p.c. nu ral.
Nnaiths antl scythee, it p.e. ad val.
Snuff and snutl
Snuff and snytr lloor, dry, damp, molst, or plecled, 15 c . per lb. and
5 p.c. ad wal. Soap, fance and perfumed, 25 p.c. ad val.
Spades, 15 p, p, sul val.
Splect, lacludings ainger, pepper, plamentn, unground, 15 p.e. ad val. not elsawhera enumeratel, is p.e. ad val.

Sipirits of turpentine, 15 p.c. and ral.
Spirita of wine fon every kallon of strength of proof of Sykes' hydrolese quantity than proporion for any preater strength, aidl for every Sprig, 1; p.c. ad val.
Starth, \(2 c\).
jer \(l \mathrm{lb}\).
Starch, 2 c.
Stationery,
Ster lb.
p.c. ad val.
Stationtery, is p.e. ad val
Stures, is p.e. ad pal.
Svecades, P.c. per th. and \(2 s\) p.e. all ral.
Sugar candy, frown or white, \(1 c\). per th. and 25 p.c. ad val.
sugar-all sugar equal to or above No. 9, Dutch stanilard, le. per Supar-all sugar equal to or helow No. 9, Dutch standard, fc. per Syrup of sugar or of suygar cane, fe. per lb, and 25 p.e. ad val. Tacke, 2 dol. per hend.
Tallow, 1 c. per th.
Thabour work, 1.5 p.e. ad val
Tapers of tallow \&e., 15 p.c. ad val.

Thread, and other articles embroidered with gold, or for embrolder ,
is p.e. ad val. Thepec. ad val.
ace and insertions, 13 p.e. ad val.
Tinctures, 63c. per pal.
Thn, japanned ware, 15 p.e. ad val.
Tobacco, manufactored, 15 c . per lb, and 5 p.e. ad val.
pipes, 15 p.c. ad val.
Toys, 15 p,.c. ad val.
Type, \(5 \mathrm{p} . \mathrm{c}\), ad val.
Crnhreltas, is p.c. ad val.
Varnish, other than hright or black, 15 p.c. ad val.
Vegetahlen, preserved, \({ }^{15}\) p.c. ad val.
Velvets, 1 í p.c. adl val.
Vermicelli, is p.c. ad val.

Wrating apparal, made by hand or sewing machine, is p.o. nd Whilatey


 botifea to eondain a gallun). luc. wer eal. and 46 per eval. 4
\({ }^{7}\) alaryin.
W'onlinne is p. \(f\), al val.
Wrilling deats, is p.c. uid val.

Rates of Pilotage for and below the Marbour of Quebec,


Table of Prohibitions.-The fullowing articles are prolibibited to be importen under a penaley of 60l. together with the forfeituro of the parcel or paekage of goods in which tho ame may be found: books nud drawings, paintings or prints uf an immoral or indecent character; coln, base or counterfeit.
Money.-Yreviously to 1850 aceounts were kept in what was usually called currency, the 11. sterling being reckoned at \(1 /\). An \(d /\). Jut in the course of that year a new description of currency was issued on the decimal plan. The 1 1 , currency, on which it is raised, contains 101.321 grs standard gold, or 92.877 grs . pure golld. The 17 . sterling contains 123.274 gr , standard gold, and 113.001 gr pure gold. Henec, \(1 \% .4 \mathrm{~s} .4 d,: 11 .:\) : \(123 \cdot 274: 101 \cdot 321\), and \(11.4 \pi\). \(1 / 1 .: 1:: 113 \cdot 001:\) 92.877 . The pound is divided into 100 centimes; and the new gold coilss are for 100 and 50 centimes, with silver coins for 20, 10, and 5 ditto. The value of these coins agrees pretty closely, but not quite, with the values of the corresponding American coins. And it is supposed by some that it would have been better, secing the intimate connection between the two countries, that the value of the Casadian coins should have been maile to coincide exactly with that of the coins of the United States.

List of Bankw in Canada, with Statement of authorised and paid-up Copital of cach, on August 31, 1868.
\begin{tabular}{|c|c|c|}
\hline Jlant: & Capienl Authorised & Capital pald up \\
\hline & & dola. \\
\hline nank of Mtontreal & 6,0010,000 & 6,0091,000 (1) \\
\hline Yurber Mank & S, M01,060 & 1,478,350 00 \\
\hline Cily Bank & 1,200, 100 & 1,200, 160000 \\
\hline Oore Bank \({ }^{\text {a }}\) & 8,860, & 809280
4.4660660 \\
\hline & , & 4,466,666 00 \\
\hline Niaquea liatuce Mant & 1,600,000 & \(1,603,214{ }^{3}\) \\
\hline Mosmis lank & 1,омп, омю & 1,000,0\% 00 \\
\hline Hank of 'roromio & \(2,1 \mathrm{HO}(\mathrm{OH})\) & 800,06000 \\
\hline Ontarlo Mant & 2,000,0\% 0 & \(8,000,00000\) \\
\hline Eautern Townahipa Bank & 401,000 & 400,01410 60 \\
\hline Banque Nationale - & 1,000,000 & 1,00M,000 09 \\
\hline Annque Jacques Cartinr & 1,000,000 &  \\
\hline Merchants' \({ }^{\text {ank }}\) & 8,000,000 & 3,113,480 15 \\
\hline Royal Canadian ilant & 2,000,000 & 1,103,8.90 0) \\
\hline Union Bank of Lower Cansde & 2,000,000 & 980,990 98 \\
\hline Mechasics' Hank & 1,0\%0,060 & 275,300 00 \\
\hline Camadian llant of Commerce & 1,010,000 & 956,155 00 \\
\hline lant of New Brunswick & 600,000 & 600,00000 \\
\hline 81. Stephtn'a Bank & 200,000 & 216,040 00 \\
\hline 'Cotal & .15, 2666,666 & 29,6M1.71701 \\
\hline
\end{tabular}

Weights same as in England.
Measures.-Standard wine gallon, liquid measure of the province. The Canada minot for all
grain de, except where specially ngreed upon to the contrary; and this meaxure is about larger than the wluchester bushel. The linglis Winchester bushel, when specially gered for The l'aris loot, fur all measures of lands granted previous to tho concurest, and all measures if length, except an nfe. nent is made to the con. trary. The English foot, for measure of lands granted since the coniruest, and wherever speclally agreal upon. The standard English yard fie measuring all cloths or stuffs sold by the yand or measuro of length. The linglish ell, when speclully agreet upon.
Montrieas, is situated on the south side of an island of the same name, in the St, Iawreace, about 180 miles above Qumbec, in lat. \(45^{\circ} 31^{\prime} X^{\prime}\) long. \(73^{\circ} 85^{\prime}\) W. Population, in 1861, 01,000 being very considerably greater than that of Quebec, or of any other town in Britisla Ameria The harlour is not large, but it is safe and commodious; the facilities for navigation afforded by the noble river on which it is situated beis: such, that vessels of 600 tons burden may ascee thus far without difficulty. The North Ameries fur trade principally centres in Montrenl, whid also cujoys the principal share of the conmery between Canala and the United States. It i increasing faster than Quebec, or than any it in the Dominion of Canada. The imports int Montreal in 1866-7 were valued at \(28,139,84\) dollars, and the exports at \(8,104,622\) ciollars.

QUEENSLAND. [Bmanane; Cogoxje Imponts and Exponts; Tampfo, Coloyil QUERCITRON BARK. 'The bark of a cies of oak growing in many parts of dat America. It is used in dyeing yellow coloss [BARK.]

QUICKSILVER. [MEncuny.]
QUILLS (Fr. plunies \(\begin{aligned} & \text { a cerire; Ger. pe }\end{aligned}\) federn, kiele; Ital. penne da scrivere; hus, voli; Span, caniones pars escribir). The the and strong feather of the wings of geese, ostrictur swans, turkeys, crows \&c. used in writing. Im are classitied according to the order in ter they are fixed in the wing. The first is a pioir now totally unused (at one time millions mo anuually imported), the second and third ant best and in general use. Crow quills are chid used for drawing, and turkey quills for engreis The goodness of quills is juilged partly of t sizo and thickness of the barrels, in the unmb factured state by the weight: hence the denam tion of quills of \(14,15 \mathrm{dc}\). 'oths per mille

\section*{RAGis}
mille consintlig of \(\mathrm{I}, 000\) quilla. The ohl duly on poum quills of \(2 \%\) fid. per 1,000 , after lnellig reluced to Gd. In 18d:, was wholly repealed in \(141 \%\)
In 186i", \(1.1,19,200\) geoar, and 15,500 swan.
guills were innorted, valued at 15,1641 ., num of
thest 2,9 0, 0,0011 gunse quilla were re-ex portect.
Huils are prineipally imported from liga, St. Prersburg, and Ilnmburg. The lient are from Higa: their atrength and durability render them preficruble to any others from the llaltic ports. Thuse imported by the Hulson's IBay Compmy and sold at their sales are for strengtl superior to all others,

RAIIROAI
1131
We sulijoin an acconit of the prices of the various deseriptions of mbunanfacturel quills in the loudon marketa in Augist letis:

[l'esm.]

\section*{R}

HiAGS (Dutch, lompen, vodilen: Fr, chiffea, diffinis, drapenix, drilles; Ger. lumpen; Jtal, stacej; Russ, trepje; Span. trapos, harapos). Shesks or trarments of worn linen, woollen, or cotton eloth. Though commonly heht in little eatimation, rags nre of great importance in the arts, luilig ased for various purposes, but especially in the manufneturo of paper, most of which is entirely prepared from them. As the mode In which líitish rags are collected must be will known to everyone, the following statements apply only to the trade In foreign rigg.
Woollen Rags.- Woollen rags are imported in conviderable quantities from the continent of Eurpe, and from Sicily. They aro chietly used for manure, especially in the eulture of hops; but rags of loose texture, and not too m. ch worn or decaved, are unravelled and mixed up with fres wool in the making of shodily; a practice more favourable to the cheapness than to the strengili and durability of the fabrics into which this ohd wool is introduced. Woollen rags are also used for making flocks or stuffing for beds dec.: this process is performed chielly by the nid of the same lind of engines that prepnre pulp for paper; these wash the rags thoroughly, at the same time that they grind nud tear them ont lito eparate thrends and fibres. The chief importation of woollen rags is from llamburg and Bremen; and there are some got from Rostock, but the quantity is trifling. The price ranges from 3, 10s, to 4l. per ton for such as are used for manure; and from 14l. 12s. to 26l. for woollen razs
Linen Rugs are principally imported from russia, Ilamburg, France, Russin, and Ausria. The imports amounted in 1867 to 13,509 ons, worth, at an averace, from 21l. to 22l. 4s. er toa, freight included. Exclusive of the ery large quantity collected at home, all the gs iroported were, until very recently, emoyed in the manufacturo of paper; but tho mericans, who have for some years been large porters from the Nediterranean and Inmburg, caslonslly come into the London market, anid rchase large quantities. The duty on rags was olished in \(184 \overline{0}\).
The imported rags are different in appearance the English; but, being almost exclusively en, they are stronger, and bear a price disprotioned to the npparent difference in quality : disproportion has been materially angmented ce the introduction of the process of boiling rags in ley, and afterwards bleaching them chloriae, has rendered foreign rags fit for ing tine paper, and indeed, in some respects,
preferable for that purpose, by thair afforiling greater strength of texture eombined with equal whiteness of colour.

There is conshtorable varlety lin the appe.rance of rags from different ports; but, in general. those from the north of liurupe are larker and stronger than thone from tho Mediterrancan ports. The latter are chlelly the wemalns of outer garments, and liave become whitened by exposuro to the san and nir: but sluce the improvements in bleaching, this does not enhance their value in the British market.

Considerablo quantitles of rugs nre Imported from Turkey, ligypt, Indin, Australia, nad Jaran, generally consisting of cotton and linen mixed. The Jipan rags nre mostly strong blie cotton prints, very servicenhle for paper-making. (Dr. liristowe's leports on buquiries uhether the Ray Trade is of Influence in Sprecoling Infectious Ilisease.)
It is a remarknille circumstance, that though the increase in the manufneture of naper within the lnst 50 years is more than fourfili, the price of tine rags has fallen from 958 . to 23 s , per cwt. in consequence of the extensivo uso mande of esparto (Spanish grass), strnw, wood, and other tibrous products in the manufacture of ordinary paper. [l'aden.]

\section*{Freight.}

Fald from France, aloout int. per tone
Trinevte alno Mimerliter ranean, sor. per ion.
Haltic, 306 . per ton.
RAILROAD, TRAM or WAGGON ROAD A specics of road having tracks or ways formed of iron, stone, or other solid materinl, on which the wheels of the carringes passing along it run. Tho object in constructing such roads is, by diminishing the friction, to make a less amount of power adequate either to impel a carriago with a greater velocity, or to urge forward a greater load. For conveying passengers along railways the locomotive engine is now the power universally used.

Construction of Railroads.-The friction on a perfectly level railroad, properly constructed, is estimated to amount to from \(\frac{1}{10}\) to \(\frac{1}{7}\) only of the friction on an ordinary level road; so that, supposing the same force to be applied in both cases, it would move a weight from 10 to 7 times as great on the former as on the intter. But if ther 3 be a very moderate ascent, such ns 1 foot in 50 , which in an ordinary road woild hardly be perceived, a great increase of power on the railroad is required to overcome the resistance that is thus occasioned. The reason is, that the ordinary load on a common turnpike road; is that when the
force of gravity is brought into operation by an ascending plane, its opposing power, being proporioned to the load, is 7 times as great as on a common road. Hence the vast importance of having railroads either level or as nearly so as possible.

It is also of great importance that railroads should be straight and level, or, at least, free from any abn pt curve 3 or acclivitics. Carriages being kept 0.1 the road by flanges on the wheels, it is obvious that where the curves are quick, the friction on the sides of the rails, and conseruent retardation, must be very great. In the Manchester and Liverpool Railroud, the curves form segments of a circle which, if extended, would embrace a cirrumferencs of 15 miles.

Iron railroads, the kind now generally used, are of two descriptions. The flat rail, or tram ruad, consists of cast-iron plates about 3 feet long, 4 inches broad, and \(\frac{b}{2}\) inch or 1 inch thick, with a flaunch, or turued up edge, on the inside, to guide the wheels of the carriage. The plates rest at each end on sleepers of atone or wood, sunk irto the earth, and they are joined to each other so rs to form a continuous horizontal pathway. They are, of course, double; and the distance between the opposite rails is from 3 to \(4 \frac{1}{2}\) feet, according to the breadth of the carriage or waggon to be employed. The edge rail, which is found to be superior to the tram rail, is made either of wrought or cast iron: if the latter be uced, the rails are about 3 feet long, 3 or 4 incles broad, and from 1 to 2 inches thicis, being joined at the ends by cast inetal sockets attached to the sleepers. The upper edge of the rail is generally made with a convex surface, to which ine wheel of the carriage is attached by a groove made somewhat wider. When wrought iron is used, which is in many respects preferable, the bars are minde of a smaller size, of a wedge shape, and from 12 to 18 feet long; but they are supported by slecpers at the distance of every 3 feet. In the Liverpol Railroad the bars are 15 feet long, and weigh 25 lb . per linea! yard. The waggons in common use run upon 4 wheels of from 2 to 3 feet in diameter. Railroads are usually made double, one for going and one for returning; and when single they are made with sidings, where the carriages may pass each other. (See the able and original Essays on Railroads, by Charles Maclaren, Esq., in the Scotsman for 1824 ; see alco Mr. Booth's pamphlet On the Liverpool and Manchester Railroad; the articles on Railways in the Encyc. Britannica, the Penny Cyclopadia; Brande and Cox's Dictionary of Science; \&c.)

Speed of Carriages on Railroads \&c.-The effect of railro'ds in diminishing friction is familiar to every one; and they have long been used in various places of this and other countries, particularly in the vicinity of mines, for facilitating the transport of heavy loads. But it is only since the application of locomotive engines as a moving power that they began powerfully to attract the public attention, and that their value has been fully appreciated. These engines were first brought into use on the Darlington and Stockton Railroad, opened on December 27, 1825 ; but it was not till the opening of the railway between Manchester and Liverpool that the vast importance of this novel means of intercourse was fully perceived. This splendid work, though now far surpassed in magnitude by other railroads, cost nearly a million sterling. It has the advantage of being nearly level; for, with the exception of a short distance at Rainhill, where it
is inclined at tb rate of 1 foot in 96, there is no greater inclination than in the ratio of 1 foot in 880. The length of the railway is about 31 miles, and lt was usual, from its opeuing, to perform this, journey in haindsome carriages athesed to the indeed, as respects the facility of passing from the one to the other, this railway has lirough Manchester and Liverpool as near to cach othed as the western part of London is to the easterd part.

The epening of this railway hnving more that verified the most sanguine anticipntions as te the success of such undertakings, and gone far, is fact, wo strike time and space ont of the caleus Intions of tie traveller, gave an unprecedented stimulus to similar undertakings in all parts d the conntry ; and, in no long period, there wer hardly any iwo considerable places in Grea Britain, how distant soever, which it was no proposed to connect by railways. An immens number of companies were formed, and a ver largo amount of capital subscrived, for cnryin on these undertakings; and though, as was to b anticipated, not a few of them appear to har been commenced without due consideration, an hold out very indifferent prospects to the sub scribers, there can be no doubt that the countr has profited very greatly by the extroordinar facilities of intercourse which have been sfforded b the railvay system, which is now in action in a parts of the civilised world.

Among the greater lines of railway now (186: existing in this country, may be specifin thr from London to Mancliester, Liverpool, and Glat gow: whicb, taking it as it at present stands, one of the greatest public works ever execut in any country, and is a striking result of th wealth, science, and civilisation of moden time The Great Western Railway from London to Bat Bristiol, and Excter is also a magnificent work, an is in some respects superior to any other in t kingdom. Among the other leading railma may be specified the Direct or Great Northem li from London to Edinburgh; the lines from Lo don to Southampton, Brighton, and Dover; t line from Chester to Holyhead, with the tubul bridge over the Menai Straits; the Great Easter and the railways from Edinburgh to Glageg and Ayr, and from Edinburgh to Aberdeen a Inverness.
The whole of these, except the Great Wester are on what is called the narrow gauge, haring rails 4 feet \(8 \frac{1}{2}\) inches asunder. The Grest We ern now (1869) uses this as well as the broad gua of 7 feet.

Railuay Legislation.-But, notwithstandingt vast advantages which the opening of so ma new and improved lines of communication conferred on the country, we cannot help thint that these advantages might have been ma greater, and that, in the instance of railm legislation, the public interests have been on looked to a degree that is not very excusable. is, we ndmit, no easy matter to decide hor f. the interference of Government should be cami in matters of this sort; but, at all events, \({ }^{2}\) much is obvicus, that when Parliameat is al upon to pass an Act authorising private purf to execute a railway or other public wok it bound to provide, in as far as practicatle, thatio public interests shall not be prejudiced by 8 Act, and that it should be framed so thst it not, cither when passed or at any future peft stand in the way of the public advantage ? believe, however, that a little consided will serve to satisfy most persons that this
of 1 foot in 96 , there is on in the ratio of 1 foot ail way is about 31 miles \(s\) opeving, to perform thit arriages attached to th t hour, er les. So fan, faciity of passing from this railway has lirough hol as near to each othe Lendon is to the eastern
raiiway having more thu guina anticipations as tr ertakinga, and gone far, it od space out of the calcu r, gave an unprecedense dertakings in all parts \({ }^{\circ}\) to long period, there wer siderable piaces in Grea soever, which it was no y railways. An immem were formed, and a ver cal subscrived, for carrying ; and theugh, as was fot of them appear to ham hout due consideration, anf rent prospects to the sul no doubt that the countr eatly by the extraordion which have been afortedo hich is now in action iat world.
lines of railway now (188) atry, may be specifect th cliester, Liverpool, and Clad it as it at present stands public werks ever executa is a striking result of tim civilisation of moderut time Railway from London to Bar Balso a magaificent work, en superior to any other in tho other leading railna Direct or Great Northemil aburgh; the lines from Lo a, Brighten, and Dover; , Holyhead, with the tubai Straits; the Great Easter rom Edinburgh to Glugg Edinburgh to Aberdeen
se, except the Great Tethe 1 the narrow gauge, hsring \({ }^{2}\) es asunder. The Great Wi this as well as the broad gra
on.-But, notwithstanding hich the opening of 80 mot lines of communication untry, we cannot help thitit 1 es might have been in the iostance of raiks shic interests have beea on hat is not very excusbble. cy matter to decide hor Gevernment shculd be ans sort; but, at all events, lat when Parliament is ct authorising private puf ay or other public work, it n as far as practicatie, thatiti all not be prejudiced by \({ }^{2}\) juld be framed ao thatitith passed or at any future ers of the public advantage that a little consided y most persons that this

NAYIGABTM RTVERS.
INE COMPCETE'D \& PROPOSED
CANA工S O RAAI-ROADS
GERT BRICAN \& IRCTAND.
WITH TIIE
COAL FIELDS, LIGET HOUSES \&C.
\(\qquad\)







portant principle has, in tho ense of railways, and indeed of most descriptlens of publio and indeed, in this country, all but wholly neglected.
The practice is for a railway Act to authoriso the company in whose favour it is granted to appropriate a certain line of road, and to charge apprail specilied rates of toll on the passengers and roods to be conveyed by such road, not for 53, 20, or even 50 years, but in cu!! time to come. Cow, as it appenes to us, this is a singularly injudicions arrangement on the part of the public. There is, between any two or more places that gay be named, a certain railway line that is preferible to any other which can be pointed out. fhe probability is that this lino will in all cases bo the first to be selected; and the Act that gives it up a company confers on the latter a virtual and gubstantinl monopoly. Tho rates of charge inpused by the Act are calculated to remunerate the projectors, supposing overything to remain on its present footing: but the probability is that manufactures and population, in the places communicating by most lines of railway, will continue ouncreaso in time to come as they havo done in time past; and it is all but certain that great improvements will bo effected in the construction t roails nud engines. Whatever, therefore, may be the chnnees of success at the outset, the fuir presumption is that most great lines of road will in the end be exceedingly productive. But, if we continue to abide by the present system, the public will be elfectunlly excluded from all participation ia these prospective advantages; and a felf pricate associations will be ablo to make enormous profits by monopolising improvements, ond keeping up the expense of transit at an excroitantly high lovel. It is idle to trust to competition to remedy a gricvance of this sort. There may only be one practicable line of railway between two places; and if so, no other can, of culue, come into competition with it. But though this were not the case, a company in posisession of the best line might, if an opposition were threatened, reduce its rates till the opposition was defeated, and then raise them to the old level. Supposing, however, that a second road is made, its managers would most likely come to an understanding with the first, so that the tolls, instead of being reduced by the instmmentality of the new road, may be raised; axd were it otherwisc, the question is, was the seeond road really necessary? Could not the first road have sufficed for the whole traffic to bo carried on by both lines: If this be the case, it is clear the second road has been merely resorted to as a device for reducing the tolls charged on the first; as a means, in fact, for doicg that, by an outlay of some hundreds of thousands, or, t may be millions of pounds, which might have been quite as effectually done by limiting tho duration of the Act authorising the first road, or by inserting a clause in it providing for the periodical revision of the tolls.
We are clear, indeed, that no Act authorising a private sssociation to construct a railway or canal, to lay dowa gas pipes, to convey water into a town, or for any such purpose, should ever be passed without reserving to Parliument power periodieally to revise the tolls granted under it. Such revision would seeure to the public a participation in future improvements, not in the contemplation of the parties wheu the project was entered upon; and it would do this without in any degree clogging the spirit of cuterprisc. Undertakings of this sort are not engaged in because there is a vague expectation, or even a considerable probability,
of their ylelding 20 or 30 per cent. profit some 30 of 40 yenrs hence, but because it is believed that thoy will immedintely, or in the course of a few years, yield a rensonuble profit ; that is, a return of 8,10 , or 12 per eent. The chances of realisiug more than this nt the distanec of 20 or 25 years are rarely taken into account, and are worth very little indeed. This, however, is all that would be tnken away by the revision in question; and while a reservation of this sort would not stand In the way of any legitimato enterprise, the history of several of our existiug companies shows that it may come to be of essential scrvice to tha public. Ilad this principlo been formerly actu. upon in the formation of companies for the exccution of public works, the charges on some of the principal lines of canal might, long since, have been reduced to less than half their present amonnt. Tho water brought into tho city of London by the New River Company might havo been sold for less than one-fourth part what it now costs; and so in a vast number of cases.

It has been objected to the proposal now made, that the reserving to the public of power to roviso the charges on railways, and other public works, would bo of no use, inasmuch as the parties would contrive so to swell their charges as to make their rovenue appear not moro than a fair return on their outlay. And such, most probably, would be the case, wore the statements of the parties to be taken without examination. But who ever proposed that this should bo done? If charges are to be revised, Government must be authorised to appoint parties to enquire carefully into the management of all concerns with which it is proposed to interfere: ant it would be the duty of such partics to proscribe every useless expense, and to ascertain how the railway could be carried on, supposing it were wrought under a system of open competition, and at the least exrense, and to frame their report accordingly.

And this principle, we are glad to say, was sanctioned in 1844 by tho \(7 \& 8\) Vict. c. 85 , which gives to Government the option of purchasing, on certain conditions, at the expiration of 21 years from their construction, all railways formed subsequently to the passing of the Act. This statute also provides for tho publication of railway aceounts, for the running of cheap trains \&e.

Regulutions for the Provention of Accidents.Considering the immense extent of railways in this country, and the vast number of passengers conveyed by them, the fewness of accidents is most remarkable. Indeed their greater security appears to bo nowise inferior to their greater speed. Still, however, this is a matter in which as little as possible should ha left to accident or individual discretion; and considering the number oí persosis frequently conveyed by a singlo train, and ine tremendous consequences that might ensue from a collision or other chance, all that it is possible to do should be done with a view to secure the safety of travellers by railways. And, should an accident occur, either through the neglect of regulations for their guid nce or from not complying with their provisions, the offending partics should bo subjected to penalties of a severe and stringent description. A Government which neglects enforcing precantions of this sort neglects one of its most important functions and allows the lives of those whom it is bound to protect to be endangered or sacrificed by the cupidity, ignorance, or carelessness of the managers and servants (how incompetent soever they may be) of every railway association in the kingdom.

Railway Mrain of 1845.-The simmer and nit tumn of 1845 and the enrlier portion of 18.16 witnessed the rise and development of a most gigantic rnilway speculntion or manin. Various circumstances conspired to bring this nbotit. The nilvantages which railwnys conferred on the country genernlly, and especially on tho districts through which they passed, recommended them to the public patronage and support, Most branches of industry were also, in I8. \(5, \mathrm{in}\), n more than ordinarily prosperous condltion; and large dividends (whether renlly derived from profits is questionable) being palil by some of the principal lines, their stock rapldly rose to a hligh price, These circumstances inflamed the cupidity of the public, who began to imagine that speculntion in railway ahares afforded the shurtest and caslest menns of acquiring wealth. Henco an extraordlany stimulus was given to all sorts of projects, which were multiplied with an almost inconceivable rapidity, Of these a fow were well tlevised and judicious, and were patronised by gentlemen of wealth, respectability, and experience. But the great majority were of a totnlly opposite description, being got up ly parties anxious only to profit by the crelulity of the public, and founded on plans which could not be executed, or which, if executed, would be ruinous. And yet such was the disposition of the public to take omne ignotum pro magnifico, that shares in these swindling olevices-for such was their real cha-racter-were greedily bought up at high premiums, which, of course, went into the pockets of the members of Parlinment, attorneys, and enfincers, by whom the traps liad been set and the hooks baited. It is difficult, indeed, to imagine any more disgraceful exhibition of fraud and quackery on the one part, and of folly and voracity on the other, than was displayed during the autumn of 1845 and the spring of 1846 by the manufncturers and buyers of rnilway shares, Some 700 or 800 new projects, requiring, it was stated, a capital of about as many hundred millions, were spawned during this gambling saturnalia; and of these it would.be a high estimate to say there were 100 which held out any legitimate prospect of remunerating their projectors. The great majority of the others were never, indecd, intended to do more than to transfer the money of the unwary dupes who bought slaares into the pockets of the crafty directors by whom they were issued; and thus far some of them answered the views of their projectors. Luckily, however, this was not the case with others; not a few of
those who dug the pit-falla having themelves fallen into them

But alesplte the number of schemes that were abandoned, it is nevertheless true that in 18.15 and 1846 no fewer than 347 Acts were carricd through Parlinment, authorising the construction of 7,654 mlies of railway, at an estimated cotion of 7,654 miles of rail.
\(100,344,087 l\). sterling,
Under any circumstances, such gitnatie, and genernlly ill-ndvised, undertakings must have in. volved the parties in vast loss. In ihis ease the depressing influence of the heavy railway calls on the moncy market, having been increased by the failure of the potato crop of \(18: 16\), occasioned the greatest diffleulty in obtalning pecuniary accommodation, and led to the crisis of 1847, In consequence many of the projects for which icts had been obtained sunk inte oblivion, while others havo been very imperfectly carried out, An exraordinary fall has also taken place in the yaluo of the stock even of the best lines. And this is not to be wondered at. The vast expenses which many companies have incurred in overeoming the opposition to their undertakings, and in the con struction of their lines, occasioned an outlay which if it were to be met at all, could only bo met by enforcing the severest economy in tho manacemeni of the lines. This, however, even when there is a desire to enforce it, is carried out with difficultr And in the case of railways, the interests of the engineers and others concerned in their man agement are usually opposed to those of the companies; so that it would be idle to expect that the affairs of the latter should gencrally exhibit any cons.derable portion of the care vigilance, and economy manifested in prirate undertakings.

The recklessness, too, with which the directers of the grent or leading railways have eagaged in subaidinry undertakings, or in the construction or purchase of branch lines many of which have been attended with heavy losses, has had a powerful influence in depressing the value of their property. For a while, too, all railway companics suffered more or less from the discredit nad suspicion which, however undeservedly, have attached to railway boards. It was found that some leading directors, in whose sagacity and honesty the public reposed all but unlimited confidence, had been, in fact, nothing but gigantic swindles; their sole object (in which it is to be hoped they have been disappointed) hsving been to enrich themselves by defrauding and robbing their constituents and the public. And these disclosures

Traffic on Railways.-Comparative Statement of the Traffic on the chief Railways in the Uiited Kingdom in the 15 Years ending 1867.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Yeara} & \multirow[t]{2}{*}{Iength of Ilnes open at the end of each Year} & \multirow[t]{2}{*}{Total Cepltal Patd up (Shares, end of each Year} & \multicolumn{2}{|l|}{Number of Pasengen Conreyed theiuding Season Ticket Holders)} & \multicolumn{2}{|l|}{Total of Trafic Recelpts} & \multirow[t]{2}{*}{Total of Working Espenies} & \multirow[t]{2}{*}{Nett Recepp} \\
\hline & & & Total & Per mille & Total & Per mile & & \\
\hline 1853 & miles & \[
\underset{973,324,514}{2}
\] & \[
\begin{aligned}
& \text { Nob } \\
& 102,486,660
\end{aligned}
\] & \[
\begin{gathered}
\text { No. } \\
13,38
\end{gathered}
\] & 18,035, \({ }^{\text {E }}\), \({ }^{\text {a }}\) & 2, 216 & Cannot be given & \({ }^{2}\) \\
\hline & 3,054 & 296,068,794 & 111,206,707 & 13,407 & 20,215,744 & & & 1t,009, 399 \\
\hline 1855
1856 & 8,200
8,707 & 297,584,709
\(307,595,1086\) & \(118,595,135\)
149,347 \% & 14,383
14,455 & Y1,507,599 & 2,397
2,660 & \(10,499,709\)
\(10,857,456\) &  \\
\hline 1857 & 8,707
9,1994 & 307,595,(866 & 149,301,592 & 14,535 & 43, 163,491
\(84,174,610\) & 2,660
2,659 & \(10,837,436\)
\(11,440,839\) & \(18,34 \times 43\)
\(12,431,71\) \\
\hline 1858 & 9.542 & 345,375,507 & 139,193, 699 & 14587 & 85,956,749 & 2,316 & 11,668, \(2 \times 5\) & 12,485, 2 l \\
\hline 1859 & 10,004 & 334,369,948 & 149,507,148 & 14,990 & 23,743,502 & 2,573 & (Not ancer & มined.) \\
\hline 1860 & 10,433 & 348,130,127 & 163,483,572 & 15,659 & 27,766,649 & 2,661 & 13,187, 368 & 14,299,231 \\
\hline 1861 & 10, \(\mathrm{HC9}\) & 364,397,338 & 173,773,918 & 15,988 & 28, 365,535 & 4,628 & 13,84,3,3.37 & \\
\hline 1898 & 11, 5 515 & 385,118,438 & 18U,485,787 & 15.645 & 29,128,358 & \% 2,598 & 1, 4 , 64.409 & 11,861,49 \\
\hline 1563 & 12,398 & 401,915,802 & 204,699,466 & 16,612
17935 & 31,136,397 & 2,528 & 13,047,434 &  \\
\hline 1868 & - 18,489 & 455,478,143 & 251,959,762 & 18,960 & 55,751,655 & 2,691 & 16,000,073 & 18,602, mix \\
\hline 1866 & 13,954 & 481,872,184* & \%74,403,895 & 19,134 & 38,164 354 & Y,754 & 18,811,673 &  \\
\hline 1867 & 14,817 & 802,264,887 & \%97,689,113 & 20,894 & 59,474,999 & \%.771 & 19, 818.15 &  \\
\hline
\end{tabular}
* Several companiea made no return for 1865 (o the Boand of Trade, but according to their last returna their toral caplal pald ap on burs oans dc, amounted to 1,058,4591., which is not inciuded In these figurea.
Note.-The total capitai Includes cubecripidons by some of the raliway companies to other andertaking
4 Eaclusive of 28,351 ., the tosal traffio recelpet of the Cort and Youghal, which company made no retorn of working erpenditurfing 1865 , and of 111 903, the aggregate traffic retelpts of two companles which made no return to the Board of Trade of thes rating expenditure for 1865 , owing to their Unes being worked by contract.

Acount, showing the Extent in Miles of each of the chirf Railways in the United Kingtom open on December 31, 1866, and the Extent of the Truffic and Rrceipts on each in that Year,

\section*{ber of schemes that were} theleas true that in \(18: 15\) in 3.7 Acts were carried thorising the conatruction ay, at an estimated cost of
cances, such gignatie, and ndertakings must have inast loss, In ihis case the of the heavy railway calls , having been increased by to crop of 1840, occasioned In ohtaining pecuniary acto the crisis of 1847 . In the projecta for which Acts k into oblivion, while others rfectly carried out, an exlan taken place in the ralue the best lines. And this is t. The vast expenses which e incurred in overcoming the odertakings, and in the cona, oceasioned an outlay which, at all, could only be met ty t economy in the manasement however, even when there is , is carried out with difficulty. railways, the interests of the ers concerned in their man11y opposed to those of the it would be idlo to expect the latter should geacraliy derable portion of the care, nomy manifested in prirate
too, with which the directors ling railways have eagaged in kings, or in the construction or lines many of which have been ivy losses, has had a powerful sing the value of their property. all railway companies suffered In the discredit and suspicioa ndeservedly, have attached to It was found that some leading se sagacity and honesty the but unlimited confidence, had thing but gigantic swindless; in which it is to be hoped they ointed) having been to crich rauding and robbing their coopublic. And these disclosnres
chief Railways in the United
\begin{tabular}{|c|c|c|}
\hline ecelipts &  & Nett Rexipta \\
\hline er mile & & \\
\hline \(\stackrel{2}{36}\) & Cannot be given &  \\
\hline 2, &  & \% \\
\hline 2,597
8,660 &  &  \\
\hline 2,659 & 11,441,299 & ( \(12,2 \times 8\) mil \\
\hline \% 2.518 & 11,660,2\% &  \\
\hline \%,661 &  & 1,74tis \\
\hline ¢, & \({ }^{13}\) & cithen \\
\hline 2, \(2 \times 1 \mathrm{l}\) & (15,027, \({ }^{164}\) & cor \\
\hline \({ }_{\mathbf{q}, 6,691}\) & 16, &  \\
\hline \({ }^{2}\) &  & 19, \({ }^{\text {a }}\), \\
\hline
\end{tabular}
st returns their tocal caplal puid np on burse
 Junde no retam of Trothe of heis satith
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Name of Railway Company} & \multirow[t]{2}{*}{} & \multirow[b]{2}{*}{Number
of
Tascenge:s} & \multicolumn{3}{|l|}{Number of Tralma run} & \multirow[b]{2}{*}{\[
\begin{gathered}
\text { Number } \\
\text { or stites } \\
\text { travelled by } \\
\text { I } 1 \text { ath }
\end{gathered}
\]} & \multicolumn{3}{|c|}{Receipts} \\
\hline & & & Paswen.
ter Trains & \[
\begin{aligned}
& \text { Good } \\
& \text { Thains }
\end{aligned}
\] & Total & & \[
\begin{aligned}
& \text { Frnm } \\
& \mathbf{P a w e r g e r s}
\end{aligned}
\] & \[
\begin{gathered}
\text { From } \\
\text { Giooda }
\end{gathered}
\] & Total \\
\hline er & 1.4 & & & & & & 23,5835 & & 3,197 \\
\hline Mratai and E.ater & 135 & 1,4.12,680 & 114393 & 7,156 & 16,4,4.4 & 1,80913 &  &  & \({ }_{\text {3 }}\) \\
\hline Cimmal Emiem & \({ }_{1} 795\) & 19,8177,188 & 194, 1811 &  & 27, \(2 \times 41\) & 6,ncyeve & 071, 1,413 & 9ks.thy & 1,439,9,5 \\
\hline litest Sorthern & &  & 203, 17 & 119,6940 & (1is, \({ }^{\text {and }}\) &  & \({ }^{8} 810.3,57\) & 1,170, & 2, 2,447469 \\
\hline  & 1.431 & 29,466,670 & x 4,110 & 167, 85.5 & 499,663 & N, 12\% 253 & 1,947,1066 & 1, \(1,911,146\) &  \\
\hline Lendom snd Surth-Wertern- & 1,319 & 25,3,31,341 & 4, 4, & 3¢9,033 & N1, \({ }^{\text {N }}\) & 21,745,967 & 8.816 .306 &  & 8,53, 117 \\
\hline Lopolon and south. Weuern. & (10y &  & 217, 461 & 46, 41,49 & \%1:8, 218 & , 411,518 & 1,090, \(8 \times 18\) & 437,199 & 1,517,781 \\
\hline  & 131 & 10, 9 , 69 , 56 & 91,3.35 & 3,315 & 10, 6,014 & 4, \(14.6, x, 37\) & \$17, 3196 & \({ }_{9} 9,5 \times 47\) & 1.493,113 \\
\hline Mancheter, sheffilidt, anil Lincolnshire & \({ }^{24} 14\) & 5,197.179 & \({ }^{77} 17617\) & 6, \({ }^{1984}\) & \(145,3,38\) & 1,73,9914 & 842.11 & \({ }_{6} 6,39,13,3\) & 931,3931 \\
\hline Yulumet & 1,218 &  & 197,766 & \({ }^{19}\) & - 3.24 .3189 & 12, 183.15 & 997,1136 & 1,932, \({ }^{\text {a }}\), 639 &  \\
\hline Sonh Exutry & 1 & 2, 54 5 ; 3, 31 & 12,311 & 31,376 & Tolik & i, \(, 1 \times 10,75\) & -107,537 & \%2.5,61: & 3.3.3,416 \\
\hline 5,uth livon & \({ }_{308}^{131}\) & 1,993,1228 & 81,611 & 11, & \({ }_{19,462}\) & 801, & 189,9 & \% \(7,7,706\) & 469,540 \\
\hline Suth-Kutem & 308 & 17,24,130 & & 20,1032 & & 10,is & 933,2 & 321,964 & 1,274,236 \\
\hline Scatland. & & & & & & & & & \\
\hline Cleedonisn & 673 & \(0.127,203\) & 113,512 & 136,811 & 250,353 & 0,675,509 & 534,376 & 1,16,341 & 1,784,717 \\
\hline  & 244 & 2, & 41,283
31,717 &  & 115,678 &  & 189,010 &  & 870, 17.3 \\
\hline fireat North of scolia & 4 & -714, 61 & & 3,4is & 1 \(\times 1.931\) & 8*? \({ }^{\text {cig }}\) & 1un, 219 & & 190,14, \\
\hline Bixhiund Prieioh & 735 & 8,196,491 & 158,117 & 181,839 & 339,36 & 6,18,949 & 561,183 & 813,517 & 1,374, 602 \\
\hline Instanto , & & & & & & & & & \\
\hline Belfar and Northern Countice & 1.51 & 1,880, 344 & 18,018 & 2.761 & 40,612 & 572,339 & & 39,713 & 131,211 \\
\hline \()^{\text {lirest southern and Wentern }}\) ind & 437 & 1,47,489 & 11,718 & ¢ & \({ }^{8} 515,5179\) & 1,918432\% &  & 200, 3 , 1,16 & 403, 614 \\
\hline  & 314 & 71, 542 & 114,499 & \(\underset{5}{3,677}\) & 20,176 & 1,275.921 & \({ }^{1.19,266}\) &  & \% 8 4,111 \\
\hline Iiliser & 181
191 & 1,417,1366 & 13,787 & 3,6,34
8.60 .5 & 19,631
16.14 .3 &  &  &  & 153,447
120,178 \\
\hline
\end{tabular}
also showed that, if the boards of directors associated witi the parties now referred to did not actirely asgist them in their fraudulent achemes, ther, at all events, opposed no effectual obstaclo to their development. Hence the just discredit that has attnched to most railway companies. sume of them put forward detailod statements of their affairs ; but these, how accurate acever, obtaiued very little confidence, This ignorance was alike prejudicial to the public intereata, and to those of all really well managed companics, snd was at once an incentivo to and a
clonk for all sorts of nefarious practices. This atate of things is now, however, consitlerably improved. But a vast deal atill remains to be done before the constitution of railway companies and the management of railways be placed on a satisfactory footing.
At present (March 1869) the shares of by far the greater number of railways are at a heavy diaconnt; and at an average, the dividends derived from them are not supyosed to amount to 3 per cent.

Account, showing the Number and Description of Persons Killed and Iujured on all the Railways open for Public Traffic in the United Kingdon during the Years 1866 and 1867.


The rumber of milles of rallway open in the United Kingdom on December 31, 1857, amounted to 0,116 ; the number open on Dectaber 31 I 1866 , was 13,851 ; and on December \(31,1967,14,217\).

The total capital (in slares and loans) raised the expenses of conveying the mails; the charge and naid up to Deeember 31, 1867, amounted to 502,262,2871,
A daty is paid to Government, by railway companies, of 5 per cent. on all aums received by them for the converance of passengers at fares soove 1d. per mile; the receipts derived from passengers by cheap trains, or from fares not Continentul Reriways. - The railway system exceding \(1 d\). per mile, being exempted from the in the United states. Paris, louen, ond Havre duty. In the year ended March 31, 1868, the have loug been united by railway. Liues have railway tax produced \(485,136 l\). This, however, nlso been constructed from Paris to Orleans, is insufficient to indemuify the companies for \(/\) 'lours and Bordeaux, nud from l'aris to Lyous,
and thence to Mnrseilles. This last has beell of The railwaya of the United States are exceed. pecullar importance to this country, from its minfluenee in facilitating the correspondence with the Eiast. \(A\) large amount of English capital has been invested in the European railways, and many of them havo been constructed by Engllah engineers.

Belghium, as everybody knows, has numerous railwnys; and they have been extended in Germany, Italy, Russia, Norway and Sweiten, and even Spaln, to a degree that one could hardly havo nnticipated. At present, some very extensive railways are being constre:ted in Ruspia.
The railways ofien in Indin extended to 3,452 miles in 1866, and most of our colonies have adopted them, more or less.


The following is a re situlation of the above the total of each grand division for those of ter table, so far as length of railroad is concerned; countries named above. but as relates to area and population, substituting


United States are exceedome of them are of great - generally, they are not so and have not been nuarly of this country, Xany iff - single pair of raita, with intervals to alluit of the
ment, whleh we have comunthentic sourcen accesmible, railread constructed and in of 1860 in each country lito een introduced, and their and population of the counVo believe it to be as nearly blo to make nuch a summary,
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Population} \\
\hline Abodule & of How Miltem \\
\hline 3,091,400 & +1399 \\
\hline 9, 6.80 .7101 & 8107 \\
\hline  & 206, 1000 \\
\hline 1,449,974 & \({ }^{3,634}\) \\
\hline 1,56, 000 & 18.906 \\
\hline 2,797, 7173 &  \\
\hline 10,046,100 & 33,1989 \\
\hline  & \% 5 ,410 \\
\hline 1,714,319 &  \\
\hline & \\
\hline 97,070,936 & 2,189 \\
\hline 31,479,32 & 6,142 \\
\hline 18, \({ }^{\text {an }}\) &  \\
\hline \% \(4.510,984\) & 3,663 \\
\hline \(3{ }^{81,513,002}\) & 8,599 \\
\hline 4.3,577,939 & 4,68 \\
\hline \% & - \\
\hline  & \(3,3 \times 16\) \\
\hline  & coile \\
\hline 1,701,4\% & 3,411 \\
\hline  & 99,;13 \\
\hline 18,000,000 & 111,266 \\
\hline 180, 310,0000 & 3, 3,414 \\
\hline 13, \({ }_{4}\) & 63,710 \\
\hline 7,485,000 & 26,650
10880 \\
\hline 3 26710.100 & \% 8 \%,100 \\
\hline & \\
\hline 574,331 & \({ }_{4}^{1,6,69}\) \\
\hline 310, &  \\
\hline - \(\begin{array}{r}\text { 39,74 } \\ 175,357\end{array}\) & 10,627 \\
\hline
\end{tabular}
ch grand division for those of the ed above.


Acownt of the Cupital, Amownt per Share, Sums paid up, of the Principal Railwaye of the United Kingtom in 1866, and the Selling Price per Share in 1868.
\begin{tabular}{|c|c|c|c|c|c|}
\hline Name of Ralluay Company & Tr tal Authoniseet Capl I hy Nharve and Lomna & 8hare & Amount Pald & A verage Stelling Price, A uruat 1 565 & A Petape Divilend on Iyilenitry C'apleal \\
\hline Emano amb Wates. & 4 & 2 & 4 & \(\varepsilon\) & \\
\hline Arruol and Exeter & 4, 19461000 & 100 & 100 & 8.3 & 4 \\
\hline 'ambrian & 89, 0101,939 & (19) & 100 & 4. & . \\
\hline  & 4\%d \({ }^{2} 4\) & 101 & 10) & \({ }^{31} 106\) & Bi \\
\hline (iven Wedern & 44,310, 11.53 & (10) & & 148 & 1 \\
\hline Lank allipo and Yorthelire & 87, \(8169,015,9 \times 9\) & 101 & (1) & 129 & 69 \\
\hline london and North-Wertom : & 17, min, 107 & 1110 & 100 & 116 & 5 \\
\hline london, \%righon, and *outh ('onas & 1月4.97, 500 & 100 & 100 & 341 & 4 \\
\hline landon, Chatham, and Doyar & 18,457, 5 , \({ }^{\text {a }}\) & 100 & 100 & (1) & \\
\hline Manchestef, shotilicl, and Lincolrahire &  & (19) & [111) & 44 & ij \\
\hline Willand \({ }^{\text {a }}\) & 45,6753\%) & 1001 & \(1(1)\) & [04, & hif \\
\hline Sorth Musfiedithire &  & 100 & 1160 & \(\mathrm{lim}_{64}\) & 1 \\
\hline coun lovon & \(3,381,3 \mathrm{Hf}\) & 101) & 1(1) & 46 & 4) \\
\hline south- Wastern & 18,529,975 & 100 & 100 & 74 & 2t. 18\%. 9 d . \\
\hline 8 cotland . & & & & & \\
\hline Ciedomian * \({ }^{\text {a }}\) & 21,799,274 & 100 & 100 & & \\
\hline Gilimom ond Anuth. Wetern: & 7,175,109 & 10 & 1190) & 94 & \(6{ }^{6}\) \\
\hline  & 3,049,949 & iip & & & \\
\hline Sinth liriteh & 21,669,518 & 160 & 100 & 35 & ** \\
\hline Ineland. & & & & & \\
\hline Prfinst und Northern Counties & 1,28s, 88, & \({ }^{814}\) & 60 & & \\
\hline Sirex Nouthem and Wevtell - & 6, \(3.40,9063\) & \(1(16)\) & 100 & 97 & 11 \\
\hline Ind North. Wrentefn & 3, \(3,152,469\) & 100 & 300 & 6is & ii \\
\hline Hidun & 1,510, \(1 \times 6\) & 510 & 51) & 6 & 3 \\
\hline Wueftord and Limarick . & 1, \({ }^{3} 84,100\) & 80 & 30) & 10 & \\
\hline
\end{tabular}

PAISINS (Fr. raisins secs, on passes; Ger. painen; lal, nve passe; Port. passas; Russ. issum; Span. pasas). The dried fruit of the vine. They are produced from various species of vines; deriving their names partly from the place where they grow, as Smyrnas, Valcncins dec. ; nnd partly from the species of grape used, as muscatels, booms, suitamas \&c. Their quality appears, however, to depend more on the method of their cure than on mything else. The finest raisins are arel in two methols: cither by cuttine the stalk of the bunches half through, when the frapes are neatly ripe, and leavingr them suspented on the vine till the watery part be evaporated, and the sun dries and candies them; or by gathering the grapes when they are fully ripe, and dippling them in s ley made of the ashes of the burnt tendrik; after which they are exposed to the sun to dry. Those cured in tho first way are most anol, und are denominated raisins of the sun. The inferior sorts are very often diried in ovens, (Thomson's Dispensutory; Brande and Cox's Dictionary.)
Raisins aro imported in ensks, barrels, boxes, and jars. The flnest come in jars and \(\frac{1}{4}\) boxes weighing abont 25 lb . Sume of the inferior sorts are brought to us in mats.
Malaga raisins are in the highest estimation. The muscatels from Malaga fetch fully a third more than nany other deseription of raisins; and the Smyma black is the clieapest varicty. The price depends much on the scason, and the jecriod the year. [Malaga.]
The aluty on raisins, which formerly amounted 020 s . per curt. on the inferior sorts, and to 42 s . Gd . n the tinest, was reduced in 183.1 to 15 s. per cirt. a all classes, We took occasion in a former dition of this work to remark on this measure as bllows: 'This reduction has occasioned a very onsiderable increase of consumption; but the ruth is that the duty is still quite exorbitant, ping ne less than 100 per cent. ad valorem (and metimes more) on the price of most descriptions. aisins area luxury that can nt present be enjoyed ly by the richer classes. 13ut were the duty duced as it shoudd be to 10 s , per cwt., we are well Fured that they would be very largely consumed
the middle and even lower classes. Nothing
but the magnitude of the duties* prevents them from becoming of very consiterable importance as an article of food; and it is really quite monatrons that the publie should be debared from the use of a clesirable article on the pretence of its betng necessary, In order to keep up the rovenue, that it should be loaded with an oppressive duty. We admit the importanco of kenping up the revenue; but so far from exorbitant dutles having such an effeet, they contribute more than anything else to its reduction. They invariably limit the consumption of the articles on which they are laid to the richest classes, or cause them to be clandestinely supplied, or force recourse to other artleles; reducing the revenue as well as the consumption far below the level to which it would attain were the daties moderate. But it is necelless to reason speculatively on such a point. . Havo we \(n\),t seen the revenue derivel from spirits increased by reducing the duty from 5s. \(\mathbf{6} d\). per gallon to \(2 s .6 d\).? and the revenne derived from coffee quadrupled by reducing the dinty from 1s. \(\mathrm{T} l \mathrm{l}\). per lib, to ©d.? And, as most qualitics of raisins are but little less overtaxed, have we not every reason to expect that a like effect would be produced by anadequrte relaction of the duties by which they aro burdened ?'

This view of the matter was taken by Mr. Gladstone, who, in 1853, reduced the duty on raisins from 15 s .9 ll. ( \(158 .+5\) per cent.) to 10 s . per cwt., : mil in 1860 to 7 s ., the present rate.
Exclusive of raisins, a considerable guantity of undried grapes is annually imported from Spain and Portugal in jars packed in snwdust. The duty on these grapes, which produced, in 1857, 78l., is \(2 d\) per bushel.
Since 1862 the imports of raisins have been ns follows, viz. :-1862, \(278,7 \cdot 10\) cwt. ; 1863, 421,796 cwt. ; 1864, 327,051 cwt. ; 1865, 368,106 cwt.; 1866, 359,216 cwt.; \(1867,392^{\wedge} 24\) cwt.

Of the imports in 1867, no fewer than 290,163 cwt. were brought from Spain, \(93,949 \mathrm{cwt}\) from Turkey. Computed value of the imports 563,7091 . varying from \(11.2 s .4 d\), to \(11.8 \mathrm{~s}, 10 \mathrm{~d}\). per ewt. Entries for consumption \(312,543 \mathrm{cwt}\)
RANGOON. A commercial port and town of British Burminh, nbout 26 miles from the sea, on the left lank of the eastern branch of the river Irawaddy, in lat. \(16^{\circ} 46^{\prime}\) N., long. \(9 f^{\circ}{ }^{\circ} 17^{\prime} \mathrm{E}\).

The town and suburbs extend lengthwise about 1 mite along the bank of the river, ruming about I of a mile fuland; but the housea are very unequally scattered over this area. The town, with the rent of J'egn, was taken by the Jritish frem the Ilurman empire in 1852. It appana, from a census taken a slort time previonsly to the combmencement of the war in 18:3, that the population was 18,000 : it is now ( 1860 ) entimated at 25,000 .

Jinngoon la the chiff port of foreign trails in Iritish Burmah. This province, constituted in 1862, extends from \(20^{\circ}\), \(0^{\prime} \mathrm{N}\). to \(10^{\circ} 50^{\prime} \mathrm{S}\). Int., containing an area of about 00,000 square miles, with a population of \(2,130,463\). 'The eltuation of langoon is extremely convenient for commercial purposes. 'l'hough dintunt from the sea, it is easy' of access, and commands the navigation of the Irawaddy, which extemis to Ava, a distance of nearly bou miles. Ramgoon la necensible to shijus of even 1,200 tons brriell; the navigation, white nomewhat intricate, being safo and practicnble with the assistance of the ordinary native pilots. A lighthouse hins been erected on Alguada reef, near the centre of the river.

The town has many advantages for ship buildIng. At neaps the tide rises and fulls about 18 feet, and at sprimgs from 25 to 30 feet. The principal teak forests nre, at the same time, at a comparatively short distance, and there is a water conveyance for the timber nearly the whole way. Ship-building has. in fact, been carried on at Rangoon since 1786, and in the 38 years which preceded our enpture of it, there had been built 111 square-rigged vessels of liuropean construction, the total burden of whteh amounted in above 35,000 tous. Several of these wero of from 800 to 1,100 tons. Under the direction of Emropenn maste:a, the Burmese were found to make dexterous and laburious artisans, in this respect greatly surjassing the natives of our other Indian provinees.

There are two conslderable markets, where tho ordinnry necessaries of life, according to liurmese usage, are cheap and abumlant: these are rice, cxcellent fish, nnd poultry.

Money.-Before its annexation to British Indin the currency here, as in the Hirman emplre generally, consisted, for small payments, of leaid; for larger ones, of gold and silver, but chiefly of the latter. There were no coins. At every payment the metal had to be weighed, and very generally assayed-n rude and very inconvenient state of things. The welints used in the weighing of money were the same as those used on ordinsry ocensions; the kyat or tical, and the paiktha or vis, being by far the most frequent. Silver might be considered as the standard. Gold was generally held to be about 17 times mora valuable than silver. The weighing and assaying of the metals used as currency gave employment to a class of persons as brokers, money changers, and assayers. Every new assay cost the owner, if the metal were gilver, \(2 \frac{1}{3}\) per cent., \(1 \frac{1}{2}\) per cent. being the established commission of the assayers, while 1 per cent. was lost, or supposed to be lost, in the operation. If repeated 40 times, it follows that the original anount was wholly absorbed-a fact which shows the enormous waste of metal arising out of this rute substitute for coin.

Now that Rangoon forms part of the new province of British Burmah, its silver and copper coinage is that tixed by the Aet No. XIII. of 1862, viz. the Government rupec and its frnctional parts, and the double pice, pice, \(\frac{1}{2}\) pice, and pio or \(\frac{1}{3}\) pice. [Calcutta.]

Weights,-The weights in use at Rangoon, besides the British Indian [Calcutta], are ns follow:


Mensures of enpacity are as follow :-


This lant measu"3 is what is usually callen by un 'n basket, and ought to weigh 16 ylu of clean rice, or \(\$ \mathbf{5 \times \cdot 1} \mathrm{lb}\). nvolrdupola : it has commonly been reckoned at a ewt. All grains, pulses, extaln frulte, nutron, salt, and lime are boughto and adil by mensure, other commodities by weighe.

The Customs 'Turiff is that of 186i, given in detail under Cabcutta.

Commerce.- \(\Lambda\) consiferable intercourse is car. ried on between the Burmese and Chinese domlnious by an anuual caravan, of which the merclants are all Chinese. The imports from China conist uf manufnetured articles, the chief export from Burinnh being cotton wool. The trate seaward iy carried on with the porta of Chittagong, Dacea, and Calcuttn in Iengal ; Masiras, and Massilipatam on the Coromandel coast ; the Nicobar Mands, in the llay of Jengal; Penang, in the Straita of Malncea; and occasionnlly with the Persian and Arabinn Gulfs. The largest trade in with Calcuta, owing to the great consumption of teak timbet is tho latter, and tho ficility with which she supplies the demand of the Burmese for Indian and Britisli cotton cooils. The articles explan and liangoon are the following: Teak wood, terna jnponica, or catechu, stick lae, been' war, raw cotton, orpiment, commonly called in India hurtal. gold, silver, rubles, sapphires, elepha. oth, and norses, or rather the small, hard of the country, which are much esteeme Madras. By far the most Imp commodities is teak timber ; the quantite of the wood anmually exported is said to be equal to 7,500 full-sized trees, which, for the noss path, consist of what Indian shlp-builders call shimbin, which aro planks hown out of the log with the adze at an immense waste. The teak fopets of Pegu are by far the most abundant In India The teak is nowlicre to be found in the low allurial Innds to which the tide reaches, but aboundi in the high lands beyond its influenee. It seems to be very generally disseminated throughout the Burmese dominions. In the territory celidd 10 the Britisls in Martabau, there are some fine forests, the timber of which is cut down brer. portation, and where saw-mills have recentld beea established by somo European settlers. The mas accessible and extenslve forests of teak in the Burmese dominions are in the pruvince of Surwadi, about 150 miles to the north of Ranguc, with which there is a water communication, Tw principal imports into Burmah are coton pien goods from India and Britair, British wolleas, iron, steel, quicksilver, copper, cordage, boras, ill phur, gunpowder, salt petre, fire-arms, coarse pore lain, English glass ware, opium, tobacco, cocxa and nreca nuts, sugnr, and spirits. Of these, brfathe most important is cotton piec: goods. The Brame have tew cotton manufactures of their orm, ad nppear, from very early times, to bave bead annished with the principal part of their supply han the Coromandel coast. To these Were afterwnds added the chenper fabrics of Be:gal: and both we now, in a grent measure, supesteded by british manufactures, the use of which bas spread rar rapilly since the opening of the trade in 1814 and especinlly since the eapture of Ranguad 1852. In 1826-7 the exports and imports of the


re an follow :-


    what is usually cailed by
    to welght 16 vis of clean
    ols : it has commonly bena
    All grains, pmines, certain
        llime are bought rad roll
        moditiea by weight.
        P ta that of 186\%, given in
    A.
    diderable Intercourse is cap-
    furmese and Chincse dami-
    avan, of which the merchants
    imports from China consint
    1 imports from china connint
    wool. The trade seawand is
    norts of Chittafong, Dacea,
    ni; Mailras, and Maxulipatam
    oast ; the Slicobar lslande, to
    oast ; the senng, in the Straits of
    wonally with the Perian and
    e largest trade is with Calcuta,
    consumption of teak timber ia
    conelity with which she sup-
    of the llurmese for Indian and
        of. The articlea expurtel fomm
        following: Teak wood, terta
        followner
tu, atick lac, beer' was, raw cot-
        tu, atick lac, bees was, sar cur-
        nmonly called in lndia hurta,
        s, sapphirea, elephs othand
        the small, hard
        the most imp
        ak timber the hase
        cak timber; the quantity of bis
        experted is said to be equal to
        irces, which, for the n.oss parth,
        Indlan ship-builders call shiwbim
        s hewn out of the log with the
        ense wastc. The teak forestro of
        the most abundant in Indla. The
        to be found in the low allurial
        the tlie reachea, but abounds in
        beyond ita influence, It seems to
        llly disseminated throughout the
        hions. In the territory ceked to
    Martaban, there are some fate
    Martabler which is cut down fore.
    vhere saw-mills have receatly bea
    some European settlers. Themos
    extensive foresto of teak in the
    dions are in the pruvince of Sur
    0 miles to the noth of Rangwan
    re is a water communication.
    is into Burmah are cotton pina
    rts into Britair, Brithh wolless,
    dia and copper, coriace, boras, wad.
    ksilver, copper, coriage, barse pores.
    cer, saltpetre, fire-arms, coars porw
    lass ware, opium, tobacco, cona wis
    ar, and spirite. Of these birfistine
    t is cotton picer goods. The Bomese
    on manufactures of their 0 mas mi
    ery carly times, to hare beat fir
    ery carly times, to beir supply than
    e principal part of were aftemuls
    el coast. To thesergal: and bole nt
    aper fabrics of Be!gal; and bou nist
    ent measurc, auperseded by bid rem
    , the use of which has spreal 18 ith
    the opening of the tracke in lomain
    \(y\) since the captute of Ranguat in
    if \(6-7\) the exports and imperts of
port of Rangoon were estimated each at the rate 4300,0001 .
The exports from I!ritish IJurmah in 1805-6 ant lxib-i by sea, ineluded the following artieles, the values of which are given in pounds aterling.
\begin{tabular}{|c|c|c|}
\hline Aristes & 1865-6 & 1866-7 \\
\hline Mice - & 2,131, \({ }^{2}\), 3 & \[
\frac{\mathcal{L}_{1,961,996}}{}
\] \\
\hline Timber & K!78, 2717 & +26,4y7 \\
\hline Tuthon, re\% & 17x,11\% & 9y, 67 \\
\hline fremoum & 16.018 & 0,4,79 \\
\hline ''utch. & 45,46.3 & 36,994 \\
\hline
\end{tabular}

Julues of the Principal Imports of Cotton and Silh Piece Goods, durin, the Years 1865-6 uad 1866-i, in Pounds Sterling.
\begin{tabular}{|c|c|c|}
\hline Antices & 1893.6 & 1860-7 \\
\hline & \(\varepsilon\) & 2 \\
\hline Pixay goods, conton & \(889,(1,50\)
445,961 & \[
\begin{aligned}
& 467,617 \\
& 19.7670
\end{aligned}
\] \\
\hline woollen & 114, 261 & 116,411 \\
\hline Ceteon wist and yarn & 2.31,481 & 2K8, 141 \\
\hline kantult & 64,549 & 67,509 \\
\hline
\end{tabular}

From the above it will be seen that there has been a considerable falling off in the trade through Thayetmyo ; evea if allowance be made for the thath of April, the total decrease in the value of import and export trade through Thayetmyo would be about 92,0001 . The rebellion was the chief cause of this falling off, and the depression on trade has continued ever since.
It is a curious fact that the late Mr, John Crawfurd, who supplied us with materinls which egathered on the spot, for the account of Rancoon in previous editions of this work, does not relu allude to rice as an article of export. But, ach has been the change in the interval, that it now the principal article shipped from the town. nd while in the earlier part of this century the aports of rice were little or nothing, they mounted to 58,563 tons in 1856, and the value of
the exports of riee from British Ilurmnh (ehiefly from langoon), In the year 1865-6, was \(2,437,433 \%\), [Muulimin ; Rice.]
JRAPE. A biennial plant of the turuip kind ( Brassicn uapus, Linn,), but with \(n\) woody fusiform root scarcely fit to bo enten. It is indigenous., llowers in May, nud ripens its seed in July; It i . cultivated in innny parts of England, pnrticularly in Idncoln and Cambridge; partly on account of its seed, which is crushed for oil, and partly for its lenves ns food for sheep. The culture of rape for seed has been mucl objected to by some, on necount of its supposed great exhanstion of the land; but Mr. Loudon says that, where the soil and preparation aro suitable, tho after-culture properly nttended to, and the stritw nud offal, instend of being burnt, as is the common practico converted to tho purposes of feedimg and littering cattle, it mny, in many instances, be the most proper and advantagcous crop that ean be employed by the farmer. The produce, when the plant succeeds well, and the season is favourablo tor securing tho seed, amounts to from 40 to 00 bushels in acre. The seed is sold by the last of 10 quarters; and is crushed in mills construeted for that purpose. (London's Eney. of Agriculture.)

In 1867 we imported 620,782 grs. rape-seed, of the estimated value of \(1,597,2891\). The imports from India were 429,134 qra., being much inore than half the supply. The residuo was principally supplied by Denmark, Russia, and Wallachin. Tho exports during the samo year amounted to 222,842 qrs.
The duties on rape-seed and rape-seed oil were repenled in \(18: 15\).
Kape Cake is the adhering masses of the husks of rape-seed, after the oil has been expressed. Thoy are reduced to powder by a malt-mill or other machine; and are used either as a top-dressing 4 F
or crops of different kinds, or are drilled along with turnip seed. 5,057 tons were imperted it 1867.

RATTANS or CANES. The long slemder shoots of a priekly bush (Culamus rotitng, Lium.), one of the most useful plants of the Malay peninsula and the Eastern islands. They are exported to Bengal, to Europe, and above all to Cuina, where they are consumed in immense quantities. For cane work they shonld be chosen lougg, of n bright pale yellow colour, well glazed, and of a small size, not brittlo, or subiect to break. They are purchased by the bundle, which ought to contain 100 rattans, having their ends bent together, and tiedin the middle. In China they are sold by the pieul, which contains from 9 to 12 humlles. Such as are black or dark coloured, snap -hort, or from which the glazing flies off on their i.ni,... bent, should be rejected. When stowed as dimmare, they are generally allowed to pass free of freight. (Milburn's Orient. Com.; \&c.)

In 1867 we imported \(15,262,295\) canes, whereof \(7,294,251\) were from British India, Singapore, and the Straits Settlements. The exports are inconsiderable.
'The rattan,' says Mr. Crawfurd, 'is the spontancous prodnet of all the forests of the Archipelago ; but exists in great perfection in those of the islands of Borneo, Sumatra, aud of the Malayan peninsula. The finestare produced in the country of the Bataks of Sumatra. The wood-cutter who is inclined to deal in this article proceeds into the forest wihout any other instrument than his parang or cleaver, and ents as much as he is able to earry away. The modo of perlorming the operation is this: he makes a noteh in the trea at the root of which the rattan is growing, and entting the latter, strips off a small pertion of the outer bark, and inserts the part that is peeled into the noteh. The rattan now being pulled through, as leng as it continues of an equal size, is by this operation neatly and readily freed from its epidermis. When the wood-eutter has obtained by this means from 300 to 400 rattans-being as many as an individual can eonveniently carry in their moist and undried state-he sits down, and ties them up in bundles of 100 , each rattan being doubled before being thus tied up. After drying, they are fit for the market without further preparation. From this account of the small labour expended in bringing them to market, they can be solu at a very cheap rate. The Chinese junks obtain them in Borneo at the low rate of 5 Spanish dollars per 100 bundles, or 5 eents for each 100 rattans, or 27 for \(1 d\). The natives always vend them by tale; but the European residents and the Chinese sell them by weiglt, counting by piculs. cecording to their quantity, and the relative state of Eapply and demand, the European merebants dicpose of them at from 1h to \(2 \frac{1}{2}\) dollars the picul. In China the price is usually about \(3 \frac{1}{2}\) dollars per picul, or 75 per cent. above the average prime cost. In Bengal they are sold by tale, each bundle of about 100 rattans bringing about 2012 \({ }_{2}\).' (Indian Archipelago, vol. iii. p. 423.)

IREAL. In the Spanish monetary system, a real is of two sorts; viz. a recl of plate, and a real vellon, The former is a silver coin, varying in value from about \(6 \frac{1}{2} d\), to \(5 d\). [Coins.] A real vellon is a money of account, worth about \(2 \ell d\).
REAN. A quantity of paper. The ream of writing paper consists of 20 quires, each of 24 sheets; but the ream of printing paper, or, as it is sometimes called, the printer's ream, extends to \(21 \frac{1}{2}\) quires, or 516 sheets. Two reams of paper make a bundle.

RECEIPT. An aeknowledgment in writug, having received tum of money, or other valuath consideration. It is a voueher either of an obliga-
tion or lebt discharged, or of oue incur tion or debt discharged, or of one incurred.
In 1795 duties were imposed on all no memorandums, or writings, given in acknowlens ment of the receipt of money in payment of delet And parties writing receipts on unstampel aper or giving reeeipts for smaller sums than thes, aetually reecived, were suljected to pulatie: These duties have undergone various mutation: They usitally varied aceording to the amount received; but they were not fair al valintm duties, the sums charged on receipts for small amounts being proportionally much greater thau those charged on receipts for larger amount, Thus, while a receipt for 100 . was charged with a duty of 3 d. ., a receipt for \(1,000 \mathrm{l}\). Was charged with a duty of 103 ., whereas had the fair oll valorem prineiple heen properly carried out, it should have been charged with a duty of 25 s.

In 1852 the receipt duty produced \(180,191 /\).
 land, and \(20,921 l\). for Irelanl.
A good deal of dissatisfaction having been long revalent with the receipt duty, and being alioy ery extensively evaded, it was changed in \(1 \times 3\) to a duty of \(1 d\). on all receipts for sums of \(\%\) and upwards. A new duty of lal. was at the sant time, and by the same Aet, 16 \& 17 lit 59 , imposed on all drafts or orders paratie to order on demand. Sueh duty did not, Lioneref, apply to drafts or orders payable at sight: to chceks or drafts payable to bearer, drawa mith 15 miles of the bank at which they weye to te paid, but by 21 Viet, c. 20 the duty was ereded to all eheeks. In tho year ending March \(31,18 \%\) these duties produced 418,619 l. nett, being \(39.1 \%\), for Great ISritain, and \(28,004 l\). for Ireland. The nett revemue of the United Kinglom from reveith draft, and other \(1 d\). inland revenue stamps, in the year ended Mareh 31, 1868, was \(562,5+i \operatorname{li}\).
By the \(16 \& 17\) Viet, c. 59 the following thall be deemed drafts or orders for the parmint money within the intent and meaning of this. 1 . and of any Act or Acts relating to the sam luties on bills of exchange, drafts, or ordes ad shall be chargeable aecordingly with the tamit duties imposed by this Act, or any such dite Aets; viz, :-

All documents or writings usually tat letters of eredit, or whereby any person thate any such document or writing is or is itetid to be delivered or sent shall be entitled, ntein tended to be entitled, to have credit with, it aecount with, or to draw npon any other pras: for, or to receive from such other person arim of money therein mentioned.'

The Act also grants the following exempios from the duty on receipts, viz.: 'Keceipt gire for money deposited in any bank, or in that of any banker, to be accounted for, whether interest or not: provided the same be ato 5 pressed to be received of or by the hadide other than the person to whom the same ittly accounted for: provided always that this sem tion shall not extend to recepts or actionthe ments for sums paid or deposited for of wid letters of allotment of shares, or in repard calls upon any scrip or shares of or in anjint stock or other company, or proposel ay iteded company, which said last-mentioned naty a acknowledgments, by whomsoever gira, shill be liable to the duty by this Act cuyed to receipts.'

Stamps denoting the Duty of 1d. on Rexiph ard Drafts may be impressed or affixed,-Th datia
wledgment in writing of o money，or other valualle oucher either of an obliga－ or of one incurred． a imposed ou all notes， ngs，given in acknowlets： poney in payment of delt？ eipts ou unstampel smaller sums than the se subjected to penaliis． dergone various mutation according to the amomt． were not fair at valurm rged on receipts for small rtionally much greater than ecipts for larger amomes． for 10l．was charged with a ipt for 1,000 l．Was chargel 3．，whereas had the fair al een properly carried out，it arged with a duty of 2 s ． ipt duty produced 180，till． for Eugland，16，1031．for Seot or Ireland．
ssatisfaction having been loag reecipt duty，and being alian raded，it was changed in \(1 \times 3\) all receipts for sums of \(\%\) an！ duty of 1d．was at the ame duty ore Aet， 16 \＆ 17 Vit，e． il drafts or orters payalle to Such duty did not，Loweres． \(r\) oriers payable at sight：wt payable to henrer，drawn mithin ，ank at which they were to be ict．c． 20 the duty was extoblel the year ending March 31.18 .9 acel 418，619l．nett，being 3 ， n，and \(28,004 l\) ．for Ireland．The he United Kingdom from revint 1d．inland revenue stamps in the ch 31,1868 ，was \(562,54 i l\) ． 17 Viet．c． 59 the followis thll its or orders for the paymias： he intent and meaning of the th \(t\) or Acts relating to the ：am of exchange，drafts，or oders at able accordingly with the tury by this Act，or any sach 土are ents or writings usually tame \(t\) ，or whereby any persol！to x． 4 ment or writing is or is ineda or sent shall be entitled．ot toto entitled，to have credit witheris or to draw upon any otber pass e from such other person ars in e fromentioned．＇
0 grants the following exempias on receipts，viz．：＇heceipt pita osited in any bank，or in thete ，to be accounted for，whether mid ot：provided the same be at received of or by the handed e person to e person to whom the same but \(t\) extend to recens that this der ums paid or deposited for of 耳吅 lotment of shares，or in repatid ny scrip or shaves of or in arfit． er company，or proposel of titereal hich said last－mentioned natis a nents，by whomsoever gira in io the duty by this Aet cuts

of \(1 d\). by this Aet granted on receipts and on drafts or orders fur the payment of money respec－ tively may be denoted either by a stamp impressed upon the paper whereon any such instrument is written，or by an alhesive stamp affixed thereto， and the Commissioners of Inland Revemue shal provide stamps of both deseriptions for the pur－ poses of denoting the said duties．（ \(16 \& 17\) Vict． c． 59 s .3 ．）

Where adhesive Stamps are usod to denote the Duties on Receipts \＆e．－In any caso where nn adhesive stamp shall be used for the purpose aforesaid on any receipt or upon any draft or arder respectively chargeable with the duty of \(1 d\) ． by this Act，the person by whom such receipt shall he given or such draft or orter signed or made shall，before the instrument shall be de－ livered out of his lands，custody，or power，cancel or olliterate the stamp so used，by writing thereon lis name or the initial letters of his namo so and in such a manner as to show clearly and distinctly that suca stamp has been made use of，and so that the same may not be agnin used；and if any person who shall write or give any such receipt or discharge or make or sign any such dratt of order with any adhesive stamp thereon， shall not bonâ fide in manner aforesaid effectually earcel or obliterate such stamp，he shall forfeit the sum of 10l．（Sec．3．）
Penalty for committing Frauds in the Use of Stamps．－If any person shall frandulently get off or remove，or cause or procure to be gotten off or removed，from any paper whereon nuy receipt or auly draft or order shall be written，any adhesive stamp，or if any person shall affix or use any such stamp which shall have been gotten off or removed from any paper whereon any receipt or any draft or order shall have been written，to or for any receipt，draft，or order，or any paper whereon any such receipt，draft，or order，shall be or be intended to be written ；or if any person shall do or practise of be concerned in any fraudulent act，contrivance， or device whatever，not specially provided for by this of some other Act of Parliament，with intent or desiga to defraud her Majesty of any duty by this Act granted upon receipts or upon drafts or orders，every person so offending in any of the said several cases shall forfeit the sum of 201．（Sec．5．）
REGISTRY．In Commercial Navigation，the registration or enrolment of ships at the Custom－ house，so as to entitle them to be classed among， and to eajoy the privileges of，British－built ships． The registry of ships appears to have been first introduced into this country by the Navigation Act（12 Ch．II．c．18，anno 1660）．Several provi－ sions were made with respect to it by the 7 \＆ 8 Wm．III．c．22；and the whole was reduced into a system by the 27 Geo．III．c．19，but this has sinee been materially altered．To be admitted to registry，and consequently to enjoy the privileges and advantages that exclusively belong to a British ship，all that is now required is，that such ohip be bonâ inde the property of one or more of her Majesty＇s subjects in the United Kingdon or pome of its dependencies．
The great，and，perhaps，the only original bject of the registration of ships was to facilitate he exclasion of foreign ships from those depart－ ents in which they were prohibited from engar－ g by the uavigation laws，by affording a ready teans of distinguishing such as were really ritisl．It has also been considered advantageous individuals，by preventing the fraudulent as－ gament of property in ships．Lord Tenterden， Wever，has observed in reference to this sup－ sed advanto \(j \in\) ，that＇the instances in which fuir
and honest transnctions are rendered unavailable through a negligent want of compliance with the forms directed by these and other statutes re－ quiring a public register of conveyances，make the expediency of all such regulations，considered with reference to private benelit only，a matter of ques－ tion and controversy．＇（Law of Shipping，part i． c．2．）But these results aro ascribable rather to the mode of registration than to the registry itself． The latter appears to be necessary to give cer－ tainty of title；a mational and distinctive character to shipping；and for the establishment of a uni－ form system of admeasurement，the charges on shipping being almost nlways dependent on the registered tomange．
The existing regulations as to the registry of ships are embodied in the Mercantile Shipping Act of 185.4 ，the \(17 \& 18\) Vict．c． 104 （motified by the \(18 \& 19\) Vict．c． \(91,25 \& 26\) Vict．c． 63 ，and 31 \＆ 32 Vict，c． 169 ），as follows，viz．：－

Registrars of British Ships．－The following persons are required to register British ships，and shall be deemed registrars for the purposes of this Act，viz．：－
1．At any port or other place in the United Kinglom or Isle of Man approved by the commis－ sioners of customs for the registry of ships，the collector，comptroller，or other principal othicer of customs for the time being．
2．In the islands of Guemsey and Jersey，the principal officers of her Majesty＇s customs，together with the governor，lieutenant－goveraor，or other person administering the government of such islands respectively．
3．In Malta，Gibraltar，and Heligoland，the governor，lieutenant－governor，or other person administeriug the government of such places re－ spectively．
4．At any port or place so approved，as afore－ said，within the limits of the charter but not under the government of the East India Company， and at which no eustom－house is established，the collector of duties，together with the governor， licutenant－governor，or other person administering the government．
5．At the ports of Calcuttn，Madras，and Bombay，the master attendants，and at any other port or place so approved as aforesaid within the limits of the charter and under the government of the East India Company，the collector of duties， or any other person of six years＇standing in the civil service of the said company who is appointed by nny of the governments of the said company tn act for this purpose．
6．At every other port or place so approved as aforesaid within her Majesty＇s dominions abroad， the collector，comptroller，or other principal officer of castoms or of navigation laws，or if there is no such officer resident at such port or place，the governor，lieutenant－governor，or other person administering the government of the possession in which such port or place is situate．（Sec． 30．）
Substitution of Governar abroad for Commis－ sioners of Customs \＆c．－The governor，lieutenant－ governor，or other person administering the go－ vernment in any British possession where any ship is registered under the anthority of this Act shall，with regard to the performance of any act or thing relating to the registry of a ship or of any interest therein，be considered in all respects as ocenpying the place of the commissioners of customs；and any British consular officer shall，in any place where there no justice of the peace， be authorised to take any declaration hereby required or permitted to be made in the presence of a justice of the peace．（Sec．31．）The governor
or officer administering the government in any British possession is authorised by \(31 \mathbb{L} 32\) Vict. c. 129 to grant 6 months terminable and to apof registry to vessels under (Sees. 1, 2, \& 3.) point surveyors of crew spaces. (Bees. - Every re-
Registrar to keep Register Bolled' the register gistrar shall keep a book, to be calded the particulars hereinbook,' and enter therein the particurs Vict. c. 104 after re
ヶ. 32.)
Port of Registry of Ship.-The port or place at which any liritish ship is registered for the time being shall be conside belongs. (Sec. 33.)
the port to which she belones fillow rules shall be Nune of Ship.-The following rules of British observed with respect to
registered ships (that is to say) :
reg. Before registry the name of each ship, and of
1. Before which she belongs, shall be painted on the port to which she belongs, on a dark ground, a conspicnous part of her stern, a length not less in white or \(y\)
than 4 inches.
2 . No change shall be made in the name of any egistered ship.
registered ship.
3. No concealment, absence, or avoidable obli3. No concealment, ames shall be permitted, teration of the abovese of escaping capture by an enemy.
enemy: The ship shall not be described, by or with 4. knowledge of the owner or master, by any the knowledge of the one by which she is registered. And for every breach of the above rules, or any of them, the owner and master (Sec. 34.)
penalty not exceerng ior, by whom to be made.Application for Region for registry of a ship shall Every application indiduats be made by the person in the case of intividuated as owner, or by some requiring to be registered as more than one, or one or mor their duly authorised agent, and in the by his or their duly ante by their duly anthorised case of bodies corporate such agent, if appointed agent; the anthority of sestifed bome writing by individuals, to be testified nuter the hands of the appome instrument under by a body corporate, by ady corporate. (Sec. 35.) the common seal of such Bere registry, the ship shall Survey of Ship.- Before registry, the sented under he surveyed by a person dior slinll grant a certitithis Aet; and sueh surnage, build, and such other cate specifying her tomaf the identity of the ship particulars deseriptive of time be required by the as may from time to time certificate shall be deBoard of Trade; and subere registry. (Sec. 36.) livered to the registra in Register Book.-The folRules as to Entries in Rocred with respect to lowing rules shall be book (that is to say):
entries in the register book (that is to sayded into 1. The \({ }^{1 r}\)

Gl shares. \(\quad\) the provisions with respect to 2. Subject to the provisions wanssion hereinjoint owners or owners by trans 32 individuals ifter contained, not moge tered at the same time shall bo entitled to be regis but this rule shall not as owners of any one ship; but number of persons affect the beneticial title or any by or elaining in of any company represented by or er or joint under or through any register owner.
3. No person shall be entitled to be registered as owner of any fractional part of a sheceding 5 ship; but any nim as joint owners of a ship, or of may be registered therein.
a s. Joint owners shall be considered as constitu-
4. Joint owners only as regards the foregoing rute ting one person onymber of persons entitled to be relating to the number and shall not be entitled to registered as owners, and shall not be entito
dispose in severalty of any interest in any ship (r in any share or sher
they are registered.
5. A body corporate may be registered as owner by its corporate name. (Sec. 37.)
Decluration of Ownership by individual Ouner. - No person shall be entitled to be registered as owner of a ship or any ghare therein until he has made ond subseribed a declaration in the form made and subsed the schedule annexed to this Act, marked s. referring the surveyor, and containing the following particulars (that is to say):
1. A statement of his qualification to be an wher of a share in a British ship.
owner of a shant of the time when and the place
2. A statemip was built, or (if the ship is foreign. where such the time and place of building not built, and the thent that she is foreign-built, ami known) a statement know the time or place of ber buitding; and in addition thereto, in the case of 3 foreign sthip, a statement of her foreigh name, or (in the case of a ship condemmed) a statemeat of the time, place, and court at and by which ahe was condemned.
3. A statement of the name of the master.
4. \(\Lambda\) statement of the number of shares in such ship of which ho is entitled to be registered a owner.
5. A denial that, to the best of his knowlegr and belief, any unqualified person or body of persons is entitled as owner to any legal or bencoctad interost in such ship or any share therein.
The above declaration of ownership slail be made and subscribed in the presence of the tro gistrar if the declarant reside within 5 miles of the enstom-house of the port of registr; but is beyond that distance, in the presence of anrergistrar or of any justice of the peace. (Sce, \(3 .\). .)
trar or of any Decluration of Ownership by Body Corporte,--
No body corporate slall be entitled to be regitered as owner of a ship or of any shate therin until the secretary or other duly appoiated putbic othicer of such body corporate has made and subseribed in the presence of the registrar of tis port of registry a declaration in the form nataid C. in the schedule amnexed to this Act referngto the ship as described in the certiticate of thesw. veyor, and containing the following particulars; viz.:-
1. A statement of such circumstances of the constitution and business of such body cuphe rate as prove it to be qualified to own a Britidi ship.
2. A statement of the time when and the phy where sach ship was built, or (if the sap b foreign-built, and the time and place of butw unknown) a statement that she is forcigatowis and that he does not know the time or plaw her building; and in addition thereto in the es of a foreign slip, a statement of her forcistomath or (in the case of a ship condemned) a starema of the time, place, and court at and by whithse was coudemned.

A statement of the name of the matte.
4. A statement of the number of shares in ind hip of which such body corporate is owat: 5. A denial that, to the best of his harate? and belicf, any unqualitied person or bodydra. and bens is entitled as owner to any legal of lexerial interest in such ship or any share therein (os 39.)

Evidence to be produced an Registry-[pm the first registry of a ship there shall, in addan to the declaration of owner
following evidence; viz: : — British-built stip, 1. Iu the case of
- interest in any ship (r interest in any ship (ry
sein in respect of which ay be registered as owucr (Sec. 37.) sec. ship by individual Owner. titled to be registered as chare therein until he has declaration in the form dule annexed to this Act, dule annex in the certifisate described the following par):
his qualification to be aus 3ritish ship. ae time when and the phace ailt, or (if the ship is forignand place of building not hat she is foreign-built, and ow the time or place of bef ow the thereto, in the care of 3 ition of her forcign name, of condemned) a statcurent of court at and by which her
the name of the master. the number of shares in sueh entitled to be registered as
, to the best of his knowielge ualified person or body of perowner to any legal or bencticad ip or any share therein. ip or antion of ownership shall be bed in the presence of the te larant reside within 5 mila of of the port of registry, but iu nee, in the peace. (Sce. \({ }^{\text {ane.) }}\) Owership by Body Corporate-te shall be entitled to be regis. of a ship or of any share therex? ry or other duly appointed ruder body corporate has male and e presence of the registrat of the a declaration in the form mathad hle nmexed to this Actrefering 10 ribed in the certilicate of the :ir. taining the following parimass:
ent of such circumstanecs of the d business of such bouty contie
ent of the time when and the pase hip was built, or (if the ships and the time and place of buith tatement that she is forelipher loes not in addition thereto in the ess and a statement of her foreimatiat co of \(n\) ship condemned) a stuemai lace, and court at and by whidses ed.
nent of the name of the master. nent of the number of share in: 1 such body corporate is owne. 1 that, to the best of his koonke ny unqualitied persou or bedr do cd as owner to any legal or knexik uch ship or any share therein pisi
to be produced on Registry. [me stry of \(\Omega\) sbip there shall, in adeios ration of owner
ridence ; viz.:-
ration of
-idence ; viz: :- Britisu-built sim
a casc of a
certificate (which the builder is hereby required to urant under his hand) containing a trme necount of the proper denomimation and of the tonnage of of the plip, as estimated by him, antl of the time when and of the place where such slip was built, tugether with the name of the party (if nny) on whose account he has built tho same, and, if any sale or sales have taken place, the bill or bills of sale under \(w^{\prime}\) eh the ship or share thercin lias sale under vested in the party requiring to be registerel as owner.
e. In the case of a foreign-built ship, the same widence as in the case of a British-built ship, unless the person requiring to be registered as owner, or, in the case of a body corporate, the duly-appointed officer, declares that the time or Whace of her building is unknown, or that the builder's certificate cannot be procured, in which case there shall be required only the bill or bills of sale under which the ship or share therein beeame vested in the party requiring to be registered as owner thereof.
3. In the case of a ship contemned by ony competent court, an official copy of the condemnation of such ship. (Sec. 40.)
Penalty on Builder for fulse Certijicate.-lf nny builder wilfully makes a false statement in any certificate hereby required to be granted by him, he shall for every such offence incur a penalty not exceediag 1001. (Sce. 41.)
Particulars of Entry in Register Book.-As soon as the fareroing requisites to the due registry of a ship hare been complied with, the registrar shall enter in the register book the following particulars relating to such ship; viz. :-
I. The name of the ship, and of the port to which she belongs.
2. The details as to her tonnage, build, and description comprised in the certificate hereinbefore directed to be given by the surveyor.
3. The several particulars as to her origin stated in the declaration or declarations of ownership.
4. The names and descriptions of her registered owner or owners, and if there is more than one such owner, the proportions in which they are iaterested in such ship. (Sec. 42.)
No Nolice taken of Trusts.- No notice of any trust, express, imphied, or constructive, shall be entered in the register book, or receivable by the registrar; and, snbject to any rights and powers appearing by the register book to be vested in any other party, the registered owner of any ship or share therein shall have power absolutely to dispose in manner hereinafter mentioned of such ship or share, and to give effectual receipts for any money paid or advanced by way of considerntion. (Sce. 43.) See also sec. 3 of \(25 \& 26\) Yict. c. 63.
Certificate of Registry to be granted.-Upon the completion of the registry of any ship, the registrar shall grant a certificate of registry in the form marked D.in the schedule to the Act (annexed to this article), comprising the following particulars, viz: :-
1. The name of the ship and of the port to whieh she belongs.
2. The details as to her tonnage, build, and description comprised in the certiticate hereinefore direeted to be given by the surveyor.
3. The name of her master.
4. The several particulars as to her origin anted in the declaration or declarations of ownerhip.
5. The names and descriptions of her registered wner or owners, and if there is more than one ch owner, the proportions in which they are
respectively interested, indorsed unon such certillcate. ( 17 \& 18 Vict. e. \(10 \% \mathrm{~s}\). 4.4.)
Change of Orrers to be indorsed on Certificate of Registry.-Whenever any change takes placo in the registered ownership of any ship, then, if such change occurs at a time when the slip is at her port of registry, the master shall furthwith deliver the certiticate of registry to the registrar, and lie shall indorse thereon a memorandum of such change; but if such change oceurs during the absence of the ship from her port of registry, then upon her first return to such port the master shall deliver the certiticate of registry to the registrar, and he shall indorse thereon a liko memorandum of the change; or if she previously arrives at any port where there is a British registrar, such registrar shall, upon being advised by the registrar of her port of registry of the change having taken place, indorse a like memorandum thereof on the certilicate of registry, and may for that purpose require the certificate to be delivered to him, so that the ship be not thereby detained; and any master who fuils to deliver to the registrar the certiticates of registry a hereinbefore requirel shall incur a penalty not exceeding 1001. (Sec. 45.)

Change of Master to be indorsed on Certificate of Registry.-Whenever the master of any British registered ship is changed, the following persons, viz. if such change is made in consequence of the sentence of any naval court, the presiding officer of such court, but if the change takes place from any other cause, the registrar, or if there is no registrar, the British censular oflicer resident at the port where such change takes place, shall inturse on the certificate of registry a nemorandum of such change, and subscribe his name to such indorsement, and forthwith report the change of master to the Commissioner of Customs in London; and the officers of customs at any port situate within her Minjesty's dominions niay refuse to admit any person to do any act at such port as master of any British ship, unless his name is inserted in or indorsed upon the certificato of registry of such slip as the last appointed master thereof. (Sec. 46.)

Power t: grant new Certificate.-The registrar may, with the sanction of the Commissioner of Customs, upon the delivery up to lim of the former certiticate of registry; grant a new certiticate in the place of the one so delivered up. (Sec. 47.)

Provision in case of Loss of Certificate.-In the event of the certificate of registry of any ship being mislaid, lost, or \(\cdot\) destroyed, if such event occurs at any port in the United Kingdom, the ship being registered in the United Kingdom, or at any port in any British possession, the ship being registered in the same British possession, then the registrar of the report of registry shall grant a new certificate of registry in lien of and as a substitute for her original certificate of registry; but if such event occurs elsewhere, the master, or some other person having knowledge of the circumstances, shall make a declaration before the registrar of any port having a British registrar at which such ship is at the time or first arrives after such mislaying, loss, or destruction; and such declaration shall state the facts of the case, and the names and descriptions of the registered owners of such ship, to tho best of the declarant's knowledge and belief; and the registrar shall thereupon grant a provisional certiticate as near to the form appointed by this Act as circumstances permit, and shall insert therein a statement of the circumstances under which such provisional certificate is granted. (Sec. 48.)

Provisional Certijicate to be delivered up.-Fvery such provislonal certificate shall, within 10 days after the first subsequent arrival of the ship at her port of discharge in the United Kingdom, if registered therein, or if registered elsewhere, at her port of discharge in the British possesslon within which her port of registry is situate, be delivered up to the registrar thereof, who shall thereupon grant anew one, as near to the form appointed by this Act as circumstances permit; and if the master neglects to deliver up such certificate within such time he shall incur a penalty not exceeding 501. (Sec. 49.)

Custody of Certificate.-The certiticate of registry shall be used only for the lawtul navigation of the ship, and shall not be subject to detention by reason of any title, lien, charge, or interest whatsoever which any owner, mortgagee, or other person may have or claim to have on or in the ship deseribed in such certificate; and if any person whatever, whether interested or not in the ship, refuses on request to deliver up such certiticate when in his possession or under his control to the person for the time being entitled to the custody thereof for the purposes of such lawful navigation as aforesaid, or to any registrar, officer of the customs, or other person legally entitled to require such delivery, it shall be lawfil for any justice, by warrant under his hand and seal, or for any court cnpable of taking cognisance of such matter, to cause the person so refusing to appear lefore him and to be examined toucting such refusnl; and unless it is proved to the satisfaction of such justice or court that there was reasonable cause for such refusal, the offender slaull ineur a penalty not exceeding 100l; but if it is made to appear to such justico or court that the certiticate is lost, the party complained of shall be discharged, and such justice cr court slall thereupon certify that the certificate of registry is lost. (Sec. 50. )
Mode of proceeding if detaining Party abseond. -If the person charged with such detainer or refusal is proved to have absconled, so that the warrant of the justice or process of the court cannot be served upon him, or if he persists in lis refusal to deliver the certificate, such justice or court shall certify the fact, and the same proceedings may then be taken as in the case of a certificate of registry mislaid, lost, or destroyed, or as near thereto as circumstances permit. (Sec. o1.)
Penalty for using improper Certificate.-If the master or owner of any ship uses or attempts to use for the navigation of such ship a certificate of registry not legally granted in respect of such ship, he shall be guilty of a misdemeanor, and it shall be lawful for any commissioned officer on full pay in the military or naval service of her Majesty, or any British officer of customs, or any British consular officer, to seize and detain such ship, and to bring her for adjudication belore the Hligh Court of Admiralty in England or I reland or any couth having admiralty juxisdiction in her Majesty's dominions; and if such court is of opinion that sueh use or attempt nt use has token place, it shall prononnce such ship, with her tackle, apparel, and furniture, to be forfeited to her Majesty, and may award such portion of the proceeds arising from the sale of such ship as it may think just to the officer so bringing in the same for adjudication. (Sec. ö2.)
Certificate of Ship lost or ceasing to be British to be delirered up.-lf any registered ship is cither actively or constructively lost, taken by the caeny, burnt, or broken up, or if by reason of a transfer to any persons not qualified to be owners of British ships, or of any other matter or thing, any such
ship as aforesaid ceases to be a British ship, even person who at the time of the occurrence of any of the aforesaid events owns such ship or any thare therein shall, immediately upon olvtaining know ledge of any such occurrence, if no notice thereof has already been given to the registrar at the port of registry of such ship, give such notice to him, and he shall make an entry thercof in his register book; and, except in cases where the certificate of registry is lost or destroyed, the master of every ship so cireumstancel as aforesaid shall immediately, if such event occurs in port but if the same oceurs elsewhere, then within 10 days after his arrival in port, deliver the certificate of regristry of such ship to the registrar, or, if there be no registrar, to the British consular oficer at such port, and such registrar, if he is not him self the registrar of her port of registry, or such British consular officer, slanll forthwith formard the certificate so delivered to him to the reristor of the port of registry of the ship; and every owner and master who, without reasonable case makes default in obeying the provisions of this section shall for each offence incur a peadty not excceding 100 . (Sec. 53.)

Provisional Certificate for Ship becoming rested in British Ouners at Foreign Port.-If any ship becomes the property of persons qualified to be owners of British ships at any foreign port, the British consular offieer resident at such port may grant the master of such ship, upon his application, a provisional certificate, stating-

The name of the ship;
The time and place of her purchase, and the names of her purchasers ;

Thu name of her master;
The best particulars as to her tonnage, build and description that he is able to obtain:

And he shall forward a copy of such certificate, at the first convenient opportunity, to the Cmmis sloners of Cistoms in London : the certiticte so granted shall possess the same force as a extibicate of registry intil the expiration of 6 months of nontil such carlier time as the slip arrives at some port where there is a British registrar ; lut upon the expiration of such periot, or upon arival at such port, shall be void to all intents, (sec.it)

\section*{Transfers and Transmissions.}

Transfer of Ships or Shares therein,-A wair tered ship or any share therein, when divwd of to persons qualified to be owners of litith ships, shall be transferred by bill of sale; andind bill of sale shall contain such description of the ship as is contained in the certitieate of the sut veyor, or such other description as may be witiz cient to identify the ship to the satisfactin of the registrar, and shall be aceording to the fom marked E. subjoined to this Act. or as new thereto as circumstances jermit, and shall te execited by the transferee in the presene of be attested by one or more witnesses. (Sec. \({ }^{0}\).)

Declaration to be made by Transfire,-Doin dividual shall be entitled to be registered astant feree of a ship or any slare therem until be bs made a cleclaration stating his qualitication tok registered as owner of a share in a Pritisl thip and containing a denial similar to the denial bive required to be contained in a declaration of emar slip by an original owner; and no body onfate shatl be entitled to be registered as trandere of a ship or any share therein until the senting or other duly appointed publie oflicer of sud hady corporate las made a declaration, statig; be name of such body corporate, and such andio stances of its constitution and busines simy prove it to be qualinied to own a British sin and
oe a British ship, every he ocenrrence of any of such ship or any share apon obtaining knowace, if no notice thereof to the registrar at the hip, give such notice to an entry thercof in his ent in cases where the lost or destroyed, the ircumstanced as aforesaid ch event oceurs in port, Isewhere, then within 10 port, deliver the certificate o to the registrar, or, if the British eonsular offieer registrar, if he is not hime port of registry, or such shall forthwith forward red to him to the registrar \(y\) of the ship; and every without reasonable chase, ying the provisions of this offenc . 53.\()\)
ite for Ship becoming reted Foreign Port.-If any ihip of persons qualified to be ips at any foreiga port, the ar resident at such port may ch ship, upon his applicaun, ite, stating-
hip;
; of her purchase, and the sers ; naster; lars as to her tonnage build, he is able to obtain: ard a copy of such certifinte, at ard a copy ortuity, to th? Comais in London : the cerificate so iss the same force as a ctrinute ss expiration of 6 meath, of ine as the ship artive at ane a British registrar; hut yon juch period, or upon arrica 1 : such per all intents. (sec.t.
void to

\section*{rs and Transmissions.}
ips or Shares therein. -1 reg share therein, whea difend alified to be owners of linith nsferred by bill of sale ; and ind contaiu such descriptiond the ed in the certilicate of the sub er description as may be caf. the ship to the satistatind the ship toccorings to the (im
shall be accole shall to this Act. or as ney oined to permit, and shasite transferee in the presence of and e or more witnesses. (sec; 放) be made bu Transfire.- Wion be made to be recristered astant entitled share the reill until he the on stating his qualifieation to te ner of a share in a bititis thip denial similar to the denind birio ontained in a dechrativa derner nal owner; and no boly orpate o to be registered as trandated hare therein until the sendit ot pinted public offieer of subd bdy made \(a\) declaration. staing the bedy corporate, and subt anmo constitution and busines suay malitied to own a British sim ma
eoataining a denial similar to the denial hereinbefore required to be contained in a declaration of wnership made on behalf of a body corporate: in he case of an individual, the above declaration shall be made, if \(h_{\text {. reside }}\) within 5 miles of the custem-Luuse of the port of registry in the presenee of the registrar, but if beyond that distance in the presence of any registrar or of any justice of the peace: in the case of a body corporate, the leclaration shall be made in the presence of the registrar of the port of registry. (Sec. 56.)
Registration of Transfer.-Every bill of sale or the transfer of any registered ship, or of any share therein, when duly executed, shall be produced to the registrar of the port at which the ship is registered, together with the declaration before required to be made by a transferee; and the segistrar shall thereupon enter in the register took the name of the transferee as owner of the -hip or share comprised in such bill of sale, and -hall indorse on the bill of sale the fact of such entry having been made, with the date and hour thereof; and all bills of sale of any ship or shares in a ship shall be entered in the register book in the order of their production to the registrar. (Sec. 57.)
Trunsmission of Shares Dy Death, Bankruptcy, U Wuriage,-If the property in any ship or in any share therein becomes transmitted in consequance of the death or bankruptey or insolvency if ally registered owner, or in consequence of the marriage of any female registered owner, or by any lawful means other than by a transfer according to the provisions of this Act, such transmission shall be authenticated by a declaration of the person to whom such property has been transmitted, and containing the several statements before required to be contained in the deelaration in transferee, or as near thereto as circumstances farmit, and, in addition, a statement describing the mannerin which and the party to whom such property has been transmitted; and such declaration shall be made and subscribed, if the deelarant resides at or within 5 miles of the custom-house of the port of registry, in the presence of the registrar, but if bejond that distance, in the prerence of any registrar or of any justice of the peace. (Scc. 58.)

\section*{Mortgages.}

Mortgages of Ships and Shares therein.-A rgistered ship or any share therein may be made a secarity for a loan or other valuable considerarioa; and the instrument creating such seeurity, heremafter termed a 'mortgage,' shall be in the form marked l., subjeined to this Aet, or as near thereto as cireumstances permit ; and on the produetion of such instrament, the registrar of the port at which the ship is registered shall record the same in the register book. (Sec. 66.)
Mortgages to be registered.-Every such mortgace shall be recerded by the registrar in the corder of time in which the same is prodnced to him for that purpose; and the registrar shall, by mpmorandum under his hand, notify on the intrament of mortgage that the same has been ceorded by him, stating the date and hour of nech reeord. (See. 67.)
Entry of Diseharge of Mortgag..-Whenever ny registered mortgage has beeu discharged, the gistrar shall, on the production of the mortgage eed, with a receipt for the mortgage money dorsed thereon, duly signed and attnsted, make entry in the register book to the effect that ch inortgage bas been discharged; and upen ch entry being made, the estate, if any, which hsed to the mortgagee shall vest in the same fon or lersons in whom the same would, having
regard to intcrvening acts and circumstances, if any, have vested if no such mortgage had ever been made. (Sec, 68.)

Priority of Mortgages.- If there is more than one mortgage registered of the same ship or share therein, the mortgagees shall, notwithstandiog any express, implied, or censtructive notice, be entitled in priority one over the other according to the date at which each instrument is recorded in the register books, and not accorling to the date of each instrunent itself. (Sec. 69.)

Mortgagee not to be deemed Owner.-A mortgagee shall not by reason of his mortgage be deemed to be the owner of a ship or any share therein, nor shall the mortgagor be deemed to have ceased to be owner of such mortgaged ship or share, except in so far as may be necessary for making such ship or share availabie as a security for the mortgage debt. (See. 70.) See also sec. 3 of \(2 j \& 26\) Vict. e. 63.
Mortgayee to have Pou'er of Sule.-Every registered mortagee shall have power absolutely to dispose of the ship or share in respect of which he is registered, and to give effectual receipts tor the parchase money; but if there are more persons than one registered as mortgagees of the same ship or share, no subsequent mortgagee shall, except under the order of some court capabie of taking cognisance of such matters, sell such ship or share without the concurrence of every prior mortgrtee. ( \(17 \& 18\) Vict. c. 104 s. 71 .)
Rights of Mortgagee not affeeted by Bankruptey of Mortgagor.-No registered mortgage of any ship or of any share therein shall be affected by any act of bankruptcy committed by the mortgagor after the date of the record of such mortgage, notwithstanding such mortgagor at the time of his becoming bankrupt may have in his possession and disposition and be reputed owner of such ship or share thereof; and such mortgage shall be preferred to any right, claim, or interest in such ship or any share thereof which may belong to the assiguees of such bankrupt. (Sec. 72.)

Transfer of Mortyages.-A registered mortgage of any ship or share in a ship may be transterred to any person, and the instrument creatiag such transfer shall be in the form marked K., subjoined to the Aet, and on the production of such instrument the registrar shall enter in the register book the name of the transteree as mortgagee of the ship or shares therein mentioned, and shall, by nemurandim under his hand, record on the instrument of tramsfer that the same has been recorded by him, stating the date and hour of such record. (Sec. 73. )

Transmission of Interest of Mortgagee by Death, Bankruptey, or Marriage. -If the interest of any mortgagee in any ship or in any shate therein becomes transmitted in consegnence of death, bankruptey, or insolvency, or in consequence of the marriage of any temale mortgagee, or by my lawful means other than by a transfer according to the frovisions of this Act, such transmission shall be a athenticated by a declaration of the person to whom such interest has been transmitted, and containing a statement describing the manner in which and the party to whom such property haiss been transmitted; and such declaration shall be made and subseribed, if the declarant resides at or within 5 miles of the custom-house of the port of registry, in the presence of the registrar, but if beyond that distance, in the presence of any registrar or of any jnstice of the peace, and shall be accompanied ly such evidence as is hereinhefore required to anthenticate a corresponding transmission of property from one registered owner to another. (See. 74.)

\section*{REGISTRY}

Entry of transmitted Mortgage.-The registrar, upon the receipt of such declaration and the proluction of such evidence as nforesaid, shall enter the name of the person or persons entitled under such transmission in the register book as mortfagee or mortgagees of tho ship or share in respect of which such transmission has taken place. (Sec, 70.)

\section*{Certificutes of Mortgage and Sale.}

Powers of Mortgage and Sale conferred by Certificate.-Any recristered owner, if desirons of disposing by w:ty of mortgage or sale of the ship, or share in respect of which he is registered at any place out of the eountry or possession in which the port of registry of such ship is situate, may apply to the registrar, who shall thereupon enable him to do so by granting such certificates as are ufter mentioned, to be called respectively certillcates of mortgage or certiticates of sale, according an they purnort to give a power to mortgage or a power to sell. (Sec. 76.)

Requisites for Certificates of Mortgage and Sale. -Previously to any certiticate of mortgage or sale being eranted, the applicant slanll state to the registrar, to be by him entered in the register book, the following particulars; viz.:-
1. The names of the persons by whom the power mentioned in such eert:ficate is to be exercised, and in the cose of a mortrage, the maximum amount of charge to be created, if it is intended to fix any such maximum, and in the case of a sale, the minimum price at which a sale is to be made, if it is intended to tix any such minimum.
9. The specific place or places where such power is to be exircised, or if no place be specified, then that it may ece excreiserl anywhere, subject to the provisions heecinafter contained.
3. The limit of time within which such power may be exercised. (Sec. 77.)

Restrictions nn Certificates of Mortgage and Sale. --No certificate of mortrage or sale slatl be granted so as to authorise any mortgage or sale to be made-

At any place within the United Kingdom, if the port of registry of the ship be situate in the United Kinglom; or at any place within the same British possession if the port of registry is situate within a British possession ; or
l3y any person not named in the certificate. (Sec. 78.)

Forms of Certificates of Mortgage and Sale,Certificates of mortgage and sale shall contain a statement of the several particulars hercinbefore clirected to be entered in the register book, and in addition thereto in ennmeration of any registered mortgages or certificates of mortgage or sale nffecting the ships or shares in respect of which such certificates are given. (Sec. 79.)

Rules as to Certificates of Mortgage.-The following rules shall be observed as to certificates of mortgage, viz. :-
1. The power shall be exercised in conformity with the directions contained in the certificate.
2. A record of every mortgage made thereunder shall be indorsed thercon by a registrar or British consular officer.
3. No mortgage bonâ fide made thereunder shall be impeached by reasen of the person by whom the power was given dying before the making of such mortgage.
4. Whenever the certificate contains a specification of the place or places at which, and a limit of time not exceeding twelve months within which, the power is to be exercised, no mortgage bonâ fide made to a mortgagee without notice shall
be imperiched by reasen of the bankruptey ir insolvency of the person by whom the power way given.
5. Every mortgage which is so registered it aforesaid on tho certificate shall have protity. over all mortgages of the same ship or share createil subsequently to the date of the entry of the eertificate in tho register book; and if there be more mortgages than one so indorsed, the respective mortgagees claiming thercunder shall, notwithstanding any express, inplled, or constructive notice, be entitled one before the other accordin to the date at which a record of each instrument is indorsed on the certilleate, and not accordin, to the date of the instrument creating the mortgage.
6. Subject to the foregoing rules, every mortgagee whose mortgnge is registered on the certificate shall have the same rights mul powers and be sulject to the same liabilitics as he would have had and been subject to if his raortgage had been registered in the register book instcad of on the certiticate.
7. The discharge of any mortgage so recisterel on the certifieate may be indorsed thereon by any regristrar or British consular officer, upon the production of such evidence as is hereby required o be produced to the registrar on the entry of the diselarge of a mortgage in the register book: upon such indorsement being made, the estate, if any, which passed to the mortgagee shall vest in the same person or persons in whom the same would, having regard to intervening acts and circumstances, if any, have vested if no suel mortgage had been made
8. Upon the delivery of any certifieate of mortgage to tr \(s\) registrar by whom it was grantel, he shall, after recording in the register bosk in such manner as to preserve its prority aur unsatisfied mortgage registered thereon, caned such certificate, and enter the fact of such cancllation in the regrister book; and every certificte so cancelled shall be void to all intents. (Sec, \(x\), )
Rulcs as to Certificates of Sale.-The following rules shall be observed as to certificates of sale, viz.:-
1. No such certificate shall be granted excerit for the sale of an entire ship.
2. The power shall be cxercised in conformitr with the direcions contained in the ecrtifieate.
3. No salc bonâ fide made to a purchaser fit valuable consideration shall be impeached br reason of the person by whom the power wis given dying before the making of such sale.
4. Whenever the certiticate contains a specitication of the place or places at which, and a limit of time not exceeding twelve months within whidh the power is to be excrcised, no sale boni fide made to a purchaser for valuable consideration without notice shall be impeached by reason of the bankruptcy or insolvency of the person by mow the power was given.
5. Any transfer made to a persor. qualified to be the owner of British ships shall be by bill of sale in the form hercinbefore nentioned, or as near thereto as circumstances perrit.
6. It the ship is sold to a party qualified to boid British ships, the ship shall be registered aner; but notice of all mortgages enamerated on the certificate of sale shall be entered in the remister book.
7. Previously to such registry anow there shall be produced to the registrar required to make the same the bill of sale by which the ship is transferred, the certificate of sale, and the certiticate o registry of such ship.
8. Such last-mentioned registrar shall retain titie
n of the bankruptey or by whom the power was
hich is so registered at ente shall lave prionty same ship or share created of the entry of the certiok; and if there he more indorsed, the respective hereunder slall,, notwithimplied, or constructive before the other accordin: record of each instrument titleate, and not accordin:? instrument ercating the
gooing rules, every mortgaregistered on the eertifiente rights and powers and be iabilities ns he would have o if his mortgnge had been ster book instead of on the
any mortgage so registerel! - be indorsed thereon by any onsular officer, upon the pronee as is hereby required to ngistrar on the entry of the age in the register book; and nt being made, the estare, if , the mortgagee shall rest in persons in whom the same rd to intervenieg acts and rd to have vested if no sudl made.
livery of any certilicate of istrur by whom it was grantel, rding in the register bow in rding in the its priority aur o prescrve red thercon, cancel 1 enter the fact of such cancler book; and every certiicate void to all intents. (Sec. ficates of Sale. -The followint ricates of Sale.-The following
reed as to certificates of sale,
ficate shall be granted exeeft ficate
ntire ship.
all be exercised in conformity 3 contained in the certificate. \(\hat{a}\) fide made to a purchaser it ation shanll be impeached br rson by whom the power wis rson the making of sueh sale. be certiticate contains a specit. or places at which, and a linit ing twelve months witbin whidh be excrcised, no sale bonà fide aser for valuable consideration all be impeached by reason of the solvency of the person by rima ven.
r made to a persors qualified to British ships shall be by bill of hereinbefore mentioned, of \(\$\) reumstanees permit.
reumstan sold to a party qualified to bold e ship shall be registered aner; 1 mortgages enumerated oa the shall be entered in the registe
to such registry anew there saill hic registrar required to make the sale by which the ship is transsale by which
ficate of sale, and the certiticate of ship.
antioned registrar shall relainthe
certificates of sale and registry; and after having certificated on both of sueh instruments an entry of the fact of a sate linving taken place, shall forward the said certiticates to the registrar of the port apearing on such certifientes to be the former appearing on she the ship, nnd such last-mentioned fegistrar shath thereupon make a memorandim of the sale in his register book, nul tho registry of the slip in such book shall be consifered us closel, except as far as relntes to any unsatisfied murgares or existing certilleates of mortgage eatered therein.
enteredthernin. 0 sigistry anew, the leseription of the ahip containe fin her origimal certitcate of registry may be transferred to the new register book without her being re-surveyed, and the deelaration th be made by the purchaser shall be the same as would be required to be made by an ordinary transferee.
10. If the ship is sold to a party not qualified to be the owner of a liritish ship, the bill of sale by which the ship is transferred, the certitlente of sale, and the certiticate of registry shall be produced to some registrar or consular officer, who shall retain the certilicates of sale and registry, null, having indorsed thereon the fact of such ship haring been sold to persons nut qualified to be ewners of British ships, shall forward such certificates to the recristrar of the port appearing on the ceritieate of registry to bo the port of registry of such ship; and sueli \(1 r\) st-mentioned registrar shall thereapon make a menorandum of the sale in his register hook, and the registry of the ship in such book shall be considered as closed, execpt so far as relates to any unsatistied mortgages or existing certifientes of mortgage entered therein.
II. If, upon a sale being made to an unqualified petson, default is made in the production of such certificates as are mentioned in the last rule, such unqualified person shall be considered by le:t:.nn taw as having aequired no title to or interest in the slip; and further, the party upon whose applieation such certificate was granted, and the persons exereising the power, shall each incur a penalty not excecling 1001 .
12. If no sale is made in conformity with the certifieate of sale, such eertificate shall be delivered to the registrar by whom the sane was granted; and such registrar shall thereupon cancel it, and enter the fact of such cancellation in the register book; and every certificate so cancelled shall be roild to all intents. (Sec. 81.)
Power of Commissioners of Customs in case of Loss of Certificute of Mortgage or Sale.-Upon proof at any time to the satisfaction of the Commissioners of Customs that nny certificate of mortgage or sale is lost or so obliterated as to be aseless, and that the powers thereby given have never been exercised, or if theylave been exercised, then, upon proof of the several matters and things that lave been done thereunder, it shall be lawfint fir the registrar, with the sanction of the said commissiouers, as circumstances may requirc. either to issue a new certificate, or to direct such entries to be made in the register book, or such other matter or thing to be done, as might have been made or done if no such loss or obliteration had taken place. (Sec. 82.)
Revocation of Certificates of Mortgage and Sale. -The registered owner for the time being of any ship or share therein in respect of which a certificate of mortgage or sale has been grantel, specifying the place or places where the power thereby given is to be exercised, may, by an instrument under his hand, authorise the registrar by whom such certificate wns granted to give notice to the registrar or consular officer, registrars
or consular officers, at such place or places, that such certitiente is revoked; and notice shall bo given nceordingly; and all registrurs or consular ompers receiving such notice shiall record the same, and shall exhibit thesime to all persons who may upply to them for the purpose of effecting or obtaining a mortgage or trmasfer under the suid certilleate of mortgage or sale: and after such notice has been so recorded, the suid certifieate shatl, so far as concerns any mortgage or sale to bo therentier made at such place, be deemed to be revokei and of no effect; and every registrar or consular ollieer recording any such notice shall thereupon state to the registrar by whom the certifleate was granted whether any previons exercise of the power to which such eertiticate refers has taken place. (Sec. 83.)

\section*{Rlegistry ancu, and Transfer of Registry.}

Alteration in Ship to be registered.-Whenever any reristered ship is so altered as not to correspond with the particulars relating to her tonnage or description contained in the register book, then, if such alterntion is made at a port where there is a registrar, the registrar of such port, but if made elsewhere, the registrar of the tirst port having a registrar at which the ship arives after her alterntion, shall, on application made to him, and on tho receipt of a certiticate from the proper surveyor specifying the nature of such alteration, either retain the old certiticate of registry and grant a new certificate of registry coutaining a description of the ship as nltered, or indorse on the existing certificate a memoraudum of such alteration, and subseribe his name to such indorsement; and the registrar to whom such application as aloresnid is made, if he is the registrar of tho port of registry of the ship, shall limself enter in his register book the particulars of tho alteration so made, and the faet of such new certificato having been granted or indorsement haviug been made on the existing certificate; but if he is not such lastmentioned registrar, he shall forthwith report such particulars nnd facts as aforesaid, accompanied by the old certificate of registry in cases where a new one has been granted, to the registrar of the port of registry of the ship, who shall retain such old certitieate (if any), and enter such particulars and facts in his register book accordingly. (Sec. 84.)

On Alterution, Registry anew may be required.When the registrar to whom application is mado in respect of any such alteration as aforesaid is the registrar of the port of registry, he may, if he think fit, instead of registering such alteration, requiro such ship to be registered nnew in manner hereinbefore directed on the first registry of a ship; and if he is not such registrar as lastly hereinbefore mentioned, he may nevertheless require such ship to be registered anew; but he shall, in such lastmentioncd case, grant a provisional certificate or make a provisional indorsement of the alteration made in manner hereinbefore directed in cases where no registry anew is required, taking care to add to such certificate or indorsement a statement that the same is made provisionally, and to insert in his report to the registrar of the port of registry of the ship a like statement. (Sec. 85.)

Grant of Provisional Certificate in respect of Alteration.-Every such provisional certificate, or certificate provisionelly indorsed, shall, within 10 days after the first subsequent arrival of the ship at her port of discharge in the United Kingdom if registered in the United Kingdom, or, if registered elsewhere, at her port of discharge in the British possession within which her port of registry is situate, be delivered up to the registrar thereof, who shall thereupon cause such ship to be regis-
tered anew in the samo manner in all respects as hereinbefore required on the first registry of any ship. (Sec, 86.)

Consequence of Omission to Register ancu,-On fuilure of such registry anew of any ship or registry of alteration of any ship so altered as aforesaid, such ship shall be deemed not duly registered, and shall no longer be recognised as a British ship. (Sec. 87.)

On Change of Owners, Registry anew may be granted.-If upon any clange of ownership in any ship the owner or owners desire to have such ship registered anew, although such registry anew is not required by this Act, it shall be lawful for the registrar of the port at which such ship is already registered, on the delivery up to him of the existing certificate of registry, and on the other requisites to registry, or such of them as the registrar thinks materlal, being duly complied with, to make such registry anew, and grant a certificate thereof. (Sec. 88.)

Registry nuy be transferred from Port to Port.The registry of any ship may be transferred from one port to anether upon the application of all parties appearing on the register to be interested in such ship, whether as owners or mortgagees ; such application to be expressed by a declaration in writing made and subscribed, if the party so required to make and subscribe the same resides at or within 5 miles of the custom-house of the port from which such ship is to be transferred, in the presence of the registrar of such port, but if beyond that distance, in the presence of any registrar or of any justice of the pence. (Sec. 89.)

Manner of Transfer of Registry.-Upon such npplication being naade as is hereinbefore mentioned, and upon the delivery to him of the certificate of registry, the registrar of the port at which such ship is already registered shall transmit to the registrar of the port at which such ship is intended to be registered notice of such application lanving been made to him, together with a true copy of all particulars relating to such ship, and the names of all the parties nppearing by his book to be interested as owners or mortgagees in such ship; and such lastmentioned registrar shall, upon the receipt of such notice, enter all such particulars and names in his book of registry, and grant \(a\) fresh certificate of registry, and thenceforth such ship shall be considered as registered at and belonging to such last-mentioned port, and the name of such last-mentioned port shall be substituted on the stern of such ship in lieu of the name of the port previously appearing thereon. (Sec. 90.)

Transfer of Registry not to affect Rights of Owners.-The transfer of the registry of any ship in manner aforesaid shall not in any way affect the rights of the several persons interested either as owners or mortgagees in such ship, but such rights shall in all respects be maintained and continue in the same manner as if no such transfer had been effected. (Sec. 91.)

\section*{Registry, Miscellaneous.}

Iuspection of Register Books.--Everv nerson may, upon payment of a fee to be fixed by the Commissioners of Customs, not excceding 1s., have access to the register book for the purpuse of inspection at any reasonable time during the hours of official attendance of the registrar. (Sec. 92.)

Indemnity to Registrar.-No registrar shall be liable to damages or othervise for any loss accruing to any person by renson of any act done or defantt made by him in his character of
registrar, unless the zame has buppened through his neglect or wilful act. (Sec, 03.)
Return to be made by Registrars to Commissioners of Customs,-Every registrar in the United Kingdom shall at the explration of every month, and every other registrar shall without delay, or at such stated times as may le fixed by the Commissioners of Customs, transmit to the Custom-house in London a full return in such form as they may direct of all registries, transfers, transmissions, morigages, nad other dealings with shlps which have been registepel by or communicated to them in their character of registrars, and the names of the persons wino have been concerned in the same, aud surh other particulars as may be directed by the sail Commissioners. (Sec. 94.)

Clause 95 directs the mode in which reginis. tion fees are to be applied; and clanies 96 to 99 inclusive give power to Commissioners of Customs, registrars \&ce, to act in certain specified circnmstances.

Liabilities of Owners.-Whenever any person i beLeficially interested, otherwise than by way of mortgage, in any ship or share therein registerd in the name of some other person as owner, the person so interested shall, as well as the repis. tered owner, be subject to all pecuniary penalties imposed by this or by any other Act on ownen of ships or shares therein, so nevertheless that procecdings may be taken for the enforcement of any such pecuniary penalties against both e either of the aforesaid parties, with or withont joining the other of them. (Sec. 100.)

\section*{Forgery.}

Punishment for Forgery,-Any person wbo forges, assists in forging, or procures to be forgei froudulently alters, assists in fraudulenthy altering, or procures to be fraudulently altered, anr register book, certificate of surveyor, certificate id registry, declaration of ownership, bill of alh instrument of mortgage, certificate of morige or sale, or any entry or indorsement reguird br this Act to be male in 0 : on \(0 \cdots=\) of the abrie documents, shall for erery such offence be deemed to be guilty of felol:. (Sce. 101.)

\section*{National Character.}

National Character of Ship to be dectorid before Clearance.-No officer of customs shll grant a clearance or transire for nuy ship woul the master of such slip has declared to sad officer the name of the nation to which he chime that she belongs, nud such officer shall therewa inscribe such name on the clearance or tranim: and if any ship attempts to proceed to : withont such clearance or transire, any ad oflicer may detain her until such declaations made. (Scc. 102.)
Peualtics.-The offences hereinafter amentiol shall be punishable as follows: (that is to sar)
1. If any person uses the British fay w assumes the British national character en lad any ship owned in whole or in part br persons not entitled by law to own British "4it for the purnose of making such ship appeartil n British ship, such ship shall be forfeited to majesty, unless such assumption has been for the purpose of escaping capture by an or by a foreign ship of war in exercise of wo belligercnt right; and in any proseding in enforcing any such forfeiture, the bunten proving a title to use the British flag and isimid the British national character shall lie urot person using and assuming the same.
2. If the master or owner of ane Britiblth
- has happened through (Sec. 93. ) by Registrars to Com--Every registrar in the the expiration of every \(r\) registrar shall without times as may le fixed by Customs, transmit to the lon a full retura in such direct of all registries, direct , morigages, and other hich have heen registered them in thiter claractet of ames of the permins whe n the same, and sach sther be directed ly the said .94.)
he modo in which registaplied ; and clanses 96 to 90 to Commissioners of Curto act in certain sjectifed
r8.-Whencver any person is d, otherwise than by way of p or share therein registeral e other person as owner, the shall, as well as the regisject to all pecuniary penaties oy any other Act on owners of rein, so nevertheless that ptorraken for the enforcement of ry penaltics against both e: said parties, with or without f them. (Sce. 100.)

\section*{Forgery.}

Forgery.-Any periou who ring, or procures to be forsein s, assists in frauduleatly alterto be fraudulently alteced, ary tificate of surveyor, ccrtificated ion of ownership, bill of she ortgage, certificate of morigy ntry or indorsement required br halle in 0. on \(0 \times\) of the abrat 11 for e'zery such offace ilty of felon:- (Sec. 101.)
Vational Character.
racter of Ship to be dectard e.-No officer of customs th ce or transire for aly ship und such ship has declared to sui of the nation to which he divis , and such officer shall therequa ame on the clearance or trazstr: ip attempts to proceed to is clearance or transire, any :ad tain
he offences hereinafter mential able as follows: (that is to su!) person uses the British \#se 3ritish national character on ved red in whole or in part ory
 e of making such ship appeat to , such ship shall be forfeited the ss such assumption has been se of escaping capture by aa exs gn ship of war in excrcise of fight; and in any proceedid in y such forfciture, the hutha e to ase the British flag and disw ational character same. master or owner of nuw Brith th

Certificate of Registry (ante, s. 44).

- Onlt this parl if ahe has no Steam Power.

1, the undaraimed A.B., repgitrar of the port of
1. The ship, the description of which is prefized to this my certificale, has been duly surveyed, and that the above description is true.
8. C.D. of is the asaster of the sald ship.
3. The said thip
na built 4

is the atip is foreign.) \({ }^{\text {it }}\)
4. The sereral persons and bodies corporate whose names are hereunder written [or enduraed] are owneri of the above ship, in the proporions set opposte their respectire names.
(Signed)
Registrar.



Butd at

\section*{day of}

19
Satict-A certificate of repistry granted under the Merchant Shipping Art, 1851 , is not a document of itite, It does not necessarily contain ootice of ull changes of ownership; and in no case does it contan an official record of any mortgages ailecting the ship.
does or permits to be done any matter or thing, or carries or permits to be carriod any papers or docaments, with intent to conceal the British character of such ship from any person entitled by British law to enquire into the same, or to assume foreign character, or with intent to deceive any uch persun as lastly hereinbefore mentioned. uch ship shall be forieited to lier Majesty; and be raster, if he commits or is privy to the onima sion of the offence, shall be guilty of a is lemecuar.
3. If any unqualified person, except in the case such transmitted interests as are here'abetore entioned, sequires as owner any interest, cither gal or beneficial, in a ship using a British flag Id assuming the British character, such interest all be forfeited to her Majesty.
4. If any persou, on belialf of himself or any aer person or body of persons, wilfully makes a se declaration touching the qualitication of aself or such ather person or body of persons own British ships or any shares therein, the larant shall be guilty of a misdemeanor; and
the ship or share in respect of which such declaration is made, if the same has not been forfeited under the foregoing provision, shall, to the extent of the interest therein of the person making the declaration, and, unless it is shown that he had no authority to make the same, of the parties on behalf of whom such declaration is made, be forfeited to her Majesty.

And in order that the above provisions as to forfeitures may be carried into effect, it shall be lawful tor any commissioned officer on full pay in the military or naval service of her Majesty, or any British oflicer of customs, or any British consular officer, to scize and detain any ship which has, either wholly or as to any share therein, become subject to forfeiture as aforesaid, and to bring her for adjudication before the High Court of Admiralty in England or Ireland, or any court having admiralty jurisdiction in her Majesty's dominions; and such court may thereupon make such order in the case as it may think fit, and may award to the officer bringing in the same for adjudication such portion of the
proceeds of the sale of any forfelted ship or share as it may think right, (Sec. 103.)

Officer not liadle for any sivizure male on reamomable Grounds.-No such ofleer as iforesalid shall be responsthie, either civilly or criminally; to any person whomsoever, in respect of the selzure or detention of any ship that has been seized or detnined by him in pursuanee of the provisions herein contalned, notwithstameling that such ship is not brought in for adjudication, or, if so bronght in , is declared not to be liable to forfeiture, if it be shown, to the satisfactlon of the judge or conrt beforo whom any trial relating to such ship or such scizure or detention is held, that there were reasonable grounls for such seizure or detention; but if no such gromols are shown, such julfe or conrt may nward payment of costs and damages to any party aggrleved, nul make such other order in tho premises as it think just. (Sec. 10.1.)

P'enalty for carrying improper Colours,-If any colou's usually worn ly her Majesty's shlps, or any colours resembling those of her Majesty, or any distinctive national colours, except the red cuslgn usually worn by merehant ships, or except the union juek with a white border, or if the pendant usually carried by her Majesty's ships, or any pendant in anywise resembling such pendant, are or is holsted on board any ship or boat belonging to any subject of her Majesty without warrant for so doing from her Majesty or from the Admiralty, the master of such ship or boat, or the owner thereof, if on board the same, and every other person hoistluf or joining or assist in? in lioisting the same, shall for every such offence incur a penalty not exceeding 5001 ; and it shall be lnwful for any officer on full pay in the military or naval service of her Majesty, or any British ollleer of the customs, or any British consułar officer, to board any such ship or boat, and to take away any such jack, colours, or pendant ; and such jack, colours, or pendant shall be forfeited to her Majesty. (Sec. 105.)
Efffect of Decluration thut a Ship shall not be recoyuised us a British Ship.-Whenever it is

\section*{REVENCE AND EXPENDITURF}
deelared by this Act that a ship belonging to any person or body corporate, qualitled necording ta this Aet to be owners of Irritibl ships, whall not he recognised its a British slalp, such ships aliall not be entitled to any benellts, priviieges, adrantagea, or protection usually enjoyed by brituly ships and shall not tee entitled to use the IIritish flay or assume tho British national eliaracter; but, st, far as regrords the payment of dines, the liability to pains and penaltles, and the punlwhment of offences committed on buard such mip or by aro person belonging to her, such ship slintl the dealt with in the same manner in all respects as if whe were a recognised British shlp. (Sec. 10ti.)
MEI'OL'I'. In Commercial Navigation, a jape Alelivered by the masters of all whips arriving from parts beyond sens to the custom-hume, com taining an account of the cargo on boanil, do (1ti \& 17 Vict. e. 107 sв. 50 -54; ante, l mront. tion anis lixpontation.)
HEI'LiSALS. Where the people of one ation have unlawfully selzed and detained property belonging to another state, the subjects of the latter are authorised, by the law of nations, to indemnify themselves by seizing the pronerty if the sulbjects of the state aggressing. This is termed making reprisals; and commissions to this effect are issued from the \(\bar{A}\) dmiralty. [PaVATEBEAS.]
IEPSIONDENTIA. [Hottomis Axı Ri. srondentia.]
RLVENDE AND EXL'ENDJTURE: Thouth not properly brionging to a work of this sim, we believe we siadl do an acepptable service to our readers by iaying before them a Table of the lievenue and Expenditure of the lnited Kingdom.
Subjoined is an account of the gross pablic income of the United Kingrdom of Great britain and Ireland, in the year endel the 3tst day of March 1868, and of the actual issues within the same period, exclusive of sums applied to the pedemption of funded or paying of unfunded deth and of the advances and repayments for local works, de.
Tuble No. I.


Table No. II. is an account of the balances in the year ended the 3Lst day of March, 183 ; of the public money remaining in the exchequer on the 31st day of March. I867; the amount of money raised by additions to the funded or unfunded debt, and the amount applied towards the redemption of funcled or paying off unfunded debt

\section*{PENIITURE}
ship belonging to any qualifled arcording is fitish shipus, whall mot bo ip, such shif shall mat privileges, nibvantnger, byed lyy british ship", vise tho llritish flag or anl character; but, wi. ut of clues, the hability and the pumbliment if sard such slip or by any such ship slunll he thealt in all respects as if she slip. (Sec. Joti.) reial Nurigation, a papeo ars of all ships arriving of the custom-luous, enmthe carco on buard, we. the \(50-54\); ante, Ishonts. N.) e the people of one nation d nud detained property state, the subjects of the by the law of natlons, to by seizing the propety of atnte aggressing. This is anls; and commissions t, om the \(\delta\) dmiralty. [Pu-
[Bottomis ano Re
: XPENDITLRE. Thoush if to \(a\) work of this son, if to an acceptable service to -ing before them n lable Fexpenditure of the taited
ccount of the gross pubilie d King omom of Great latian year cunded the 31st day of the actual issues within the the actangs applied to the reor paying of unfunded dett, es and repayments for loal
 ed the 31 st day of March, 18 to advances and repaymens. Works de., s in the exchequer on the 3 latary

Tuble No. II.

- Inchuying 50,000 . of the money ralsed for forlificationa.

A mare comprehensive and instructive table than that marked No. I. was framed according to the suggestion, and printed for several years upon the motion, of Mr. Pusey ; and there are not rery many Members who can refer to so useful a memorial of their Parhamentary carcer. This was continued by Mr. W. Williams, but dropped en his death. Amexed is a
Statement, showing the Estimated or Actual Rerenue and A'xpenditure of' several Foreign Conntries at different reccnt Periods. (Lixtracted from Iliports of Secretaries of Legations on Fiaance.)
\begin{tabular}{|c|c|c|c|}
\hline Countrics & :'ears & Revenue & Expendlture \\
\hline distria - endmased & 1867 & \(\underset{40,721,700}{\boldsymbol{2}}\) & \[
4.3,2 \times 89,600
\] \\
\hline [tenmart - actue] & 1966-7 & 2,923, 611 & 2,814,693 \\
\hline Frince & 1867 & 84,688,302 & 96,561,784 \\
\hline  & 1866 & & \\
\hline Rusia - eshnoted & \begin{tabular}{l}
1867 \\
1888 \\
\hline 8.9
\end{tabular} & 32,94,
\(45,46,717\) & \(69,180,022\)
\(26,54,789\) \\
\hline Tunty : & 1864-5 & 11,389,8.5 & 11,425,525 \\
\hline thited ( actual & 1967-8 & 67, 101,931 & 61,773.772 \\
\hline states ( entimated & \({ }^{31864}\) & \(51,5190,0(1)\) & 47,701,000 \\
\hline Merico - & 1867 & 5,494,54,3 & 6,017,708 \\
\hline Pera - & 1568 & 2,689, 0 ) 3 & 3,105,421 \\
\hline
\end{tabular}

RIICBARB (Dutel, rabarber; Fr. rhubarbe; Ital rabarhnro, reobarbaro; Span. ruibarbo; liuss, bewen; Arab. rawend; Chin, tn-hwangr). The root of a plant, a native of China and Tartary. Three varicties of rhubarb are known in the fhops; viz. Kussian, 'Turkey, and East Indian or Chinese thubntb. The tirst two resemble ench other in every respect. They are, in fact, the same artiele, being both derived from Tartary. The portion designed for the Petersburg market oeing selected and sorted at hiachta, acquires tho name of Russian rhubarb; while the portion that is sent from Tartary to Smyrna and other places in Turkey is called Turkey rhubarb. The best pieces only are sent to Petersburg ; and according to the contract with the Government, on whose secount it is bought, all that is rejected must be burnt; and that which is approved undergoes a second cleaning before being finally packed up for
t No balance remaining of the money ralsed for fortificutions.
Petersburg. The best pieces of Russian and Turkey rhubarb are roundish, and perforated with a large hole, of a reddish or yellow colour on the outslite, and when eut or broken exhibit a mottled texture, and alternate streaks of rea and ercy. lts odour is peculinr. It is fincly gritty undor the teeth, and its taste bitter, faintly astringent, and aromatic. It should not be porous, but rather compact and heavy. East Indian or Chinese rhubarb is in obloug flat pieces, seldom perforated: has a stronger odour aud is more nauseons to the tasto than the other; it is heavier, more compact, breaks sinoother, and atfords n powder of a redier shade. (Thomson's Dispensatory; Ainslic's Mat. Indiea; British Pharmacopeia, 1867 ; \&c.)
In 1867 the imports of rhubirb nmounted to \(227,663 \mathrm{lb}\). valued at \(61,90 \mathrm{cl}\)., chietly from France, and the exports to \(211,221 \mathrm{lb}\). It was formerly charged with a duty, which, after being reduced in 1842, was repenleil in 1845 .
RICE (Fr, riz; ltal. riso; Arab. aruz; ILin. chawl). One of the most valuable of the cereal grasses, tho Oryza sativa of botanists. It is raised in immense quantities in India and Chima, and most Eastern comtries; in tho West Indics, Central America, and the United States; and in some of the southern countries of Europe. It, in fact, oceupies the same place in most intertropical regions no wheat in the warmer parts of Europe, and oats and rye in those more to the north. Forming, as it does, the principal part of the food of the most civilised and populous Eastern nations, it is more extensively consumed than any other species of gra.in. It is light and wholesome, but it is said to contain less of the nutritive principle than wheat. When rough, or in its natural state in the husk, it is called paddy. There is an immenso varicty in the qualities of rice. That which is principally exported from Bengal has received the name of cargo rice. It is of a coarse reddish cast, but is sweet and large-grained, and is preferred by the matives to every other sort. It is not kiln-dried, but is parboiled in earthen pots or caldrous, partly to destroy the vegetative prin-

\section*{RICE}
ciple, so that it may keep better, and partly to facilitate the process of huaking. l'atua rice is more esteemed lin Europe than uny other sort, uf rice imjorted from the East. It is smail-grulned, rather long and wiry, and remarkably white. But the rice ralsed on the low marshy grounds of South Carolina is unguestionably very superior to any brought from any part of India. It nay, perlaps, be worth mentioning, that rice, if se wheat, oats, and barley, is not indigenous to America. It was tirst raised in South Carolina from seeds bronght from Madagasear mear the end of the IFith century. Its culture increased so rapilly that in 1721 no fewer than 18,000 tierces, or barrels, were exported. (l'itkin's Americun Stutistics, 1835 , 1. 100.) Accorling to the returns ander the census of 1846 , the total animal proluce of rice lis the United States was \(\mathrm{c}-\mathrm{di}\) mated at \(80,811,122 \mathrm{in}\)., wherens under the remsins of 1850 it was estimated at \(215,31!, 710 \mathrm{lb}\)., or above 96,000 tous, of which \(159,930,613\) ih, were raised in Sonth Carolina, However, this crop seens to havo been diminished by the Civil War, and the value of the exports of rice from the United States amonuted, in 1865, to 63,430 duls.
'The produce of lands naturally or artiticially irrirated la, as far as rice is concerned, from 5 to 10 times greater than that of dry land having no command of water ; and hence the vast importance of irrigation in all countries where this grain is cultivated. Bat it is worthy of remark, that, owing to the not unfrequent oceurrence of severe droughts, there is a greater variation in the crops of rice than in those of many other species of grain. Those who, like the lindoos, depend almost entirely on it for subsistence, are consequently placed in a very precarions situation. There can be no doubt that famines are at onee more frequent and severe in Hindostan than in any other country, Ireland excepted.

The exports of rice from India have greatly increased since 1861 .

Table, showing the Value of Exports of Rice from India in the 10 Years ending with 1866.
\begin{tabular}{|c|c|c|c|}
\hline & 9 \({ }^{\text {f }}\) & & \({ }^{\boldsymbol{e}}\) \\
\hline \$8.57. & - 2,301,182 & 1862. & - 3,435,075 \\
\hline \(1 \times 38\). & - 3,149,172 & 1863. & - 3,3in, 196 \\
\hline JMas \({ }^{\text {a }}\) & - 2,433,145 & 1884. & - 3,985,56,5 \\
\hline 1860 . & - 2,275,296 & 18ti5. & - \(3,573,437\) \\
\hline 1861. & - 2,962,117 & 1866. & - \$,909,362 \\
\hline
\end{tabular}

For a considerable number of years our supplies of cleaned rice were principally derived from Bengal; but now we get nuch the larger proportion from Pegu. We subjoin-
An Account of the Imports of Rice into the United Kingdom in 1867, specifying the Quantities brought from cach Country.


During the same year \(44,943 \mathrm{qrs}\). of rough rice were imported, of which \(\frac{5}{6}\) came from India. We make these imports from being in possession of a method of detaching the husk, which throws out the grain clean and unbroken. Carolina rice sells in London at from 35 s .8 d . per cwt. when Bengal rice sells at from 14 s . 7 d . per do.

The duty on foreign rice was formerly quite excessive, having amounted, previously to 1842, to 158 . per cwt., while that charged on rice from a British possession was only 1 s . In 1842 Sir Robert Peel reduced the former to \(6 s .3 d\). and the

\section*{RIGA}
latier to 6 d \(d\); and in 1816 he further peiducend the duty on foreign rice to ls., asid that on eolonial do, to 6 d. per cwt. In 1853 MIr. Glailstone equaj. ised the duties at 4 fed . per cwt. A like coune
was followed with thie duty on rough rice, which was followed with the duty on rough rice, which
in 1812 amounted to 20 s. jer ar, on that fom in 1812 amounted to 20 s . jer qro on that from a forelgn country, and to only \(1 d\), per do, oll that from a colony. Sir Robert Peel reluced the firsmer in 1812 to \(7 s, 4 / d\), and in 1810 to is : it was
afterwards fixed at \(0 d\), per gr. without referonce afterwards flxel at 0if, jer qr. without referonce to its origin. The duties on both were abolished
in 1860 .

In consequenco of the reduction and eventual abolition of the dutica, the consumption of tire
has been greatly increased; formerty it sardihas been greutly increased; formorty it sardyexceeded (except in 1847, wheu It was largeli. imported into Irelain) 550,000 ewt., whereas is
 \(2,5: 3,2.10\) cwt. a-yenr, exclusive of \(4 \cdot 1,263 \mathrm{qr}^{2}\), of rice in the husk.

RIGA. A city of European Russin, the capital of Livonia, on the Dvim, about 9 miles from the sen, lat. \(56^{\circ} 57^{\prime}\) N., long. \(2.1^{\circ} 6^{\prime} 5^{\prime \prime}\) E. Population ia 1863, excluding parrison, 77,468.

Harbour. - A lighthouse lias been erected on Fort Comet, on the western side of the muath of the river. It has 2 lights: the tirst, elevated about 104 feet (English) above the level of the nea, may be seen under farourable circumstance at the distance of 4 leagues; and the secont Highted in 1863, may be seen at the distance of 5 miles. The bar at the mouth of the river has usually from 12 to 13 feet water; and resets Irawing more than this frequently load and un. load part of their cargoes by tneans of lighters at Bolderan, a small town on the west side of the riser. near its month. There is a fairway beacou with. out the bar, in 5 fathoms water; und within the channel is buoyed with black and white buoys ; the black being left on the riglit or starboard side when entering, and the white on the larboard. Veselb bound for ligen take pilots at Boldera, who carry them to their anchorage. No ballast is adnwelly be diseharged except at Poderague. Regulations as to elearing \&c. similar to those at Peterbury (Coulier Sur les Phares, 2nd ed.; Regulations of Russian Authorities; Admiralty List, 1869.)

Trude,-Owing to its advantageous situatind near the mouth of a great navigable river, the trade of liga is very extensive; being of the Russian towns on the Baltic, in this respect seont only to l'ctersburg. The trade is chictly carried on by forcign merchants, particularly by the English. The principal exportsare tlax anl hemp linseed and hemp-seed, timber, corn, tolacco, bides, wool, tallow de.; the imports are satt, sugut coffee, and groceries of all sorts, herriags, indign dye-woods, cotton and cotton twist, silks, hatiware, iron, coals, wincs \&c.
The mast trade is extensive. The burghes if Riga send persons who are called mast brokes into the provinces to mark the trees, which ar purchased standing. They grow mosty in the districts which border on the Dnieper, ate sent up that river to a landing-place, transportel \({ }^{\text {y }}\) versts to the Duna, when, being formed into ntis of from 50 to 200 pieces, they descend the strem to Riga. The trec which produces the larges masts is the Scotch fir. Those pieces which at from 18 to 25 inches in diameter are called mast: under those dimensions, spars; or, in Englasi Norway masts, because Norway exports no tee more than 18 inches in diametcr. Great stivils required in distinguishing those masts that are sound from those which are in the least intemally decayed. They are usually from \(\mathbf{7 0}\) to 80 fet in
length.
8.6 he further reluced It., and that on colunial 53 Mr . Glailatone equal. er cwt. A like courne ity on rough rice, which a. per ar. on that from a only 1d. per do, on that ent yeel reduced the fornd fu 18.16 to In. : it wa er gr. without refernde an both were abolished
a reduction and eventual the consumptam of rice ensed ; formerly it rarty 817, when it was largety 550,000 ewt. Whereat it age of 1800 and \(1860^{\circ}\), th exclusive of 41,263 qNat of
uropean Russia, the cupital ina, about 9 niles from the g. \(24^{\circ} 0^{\prime} 5^{\prime \prime} \mathbb{L}^{2} . \quad\) l'ppulatimn \(^{2}\) tison, 77,46\%. thouse has been erected on western side of the muath 2 lights: the first, elevated lish) above the level \(v\) : the or fuyourable circumstanes leagues; and the secoal y bo seen at the distance of the mouth of the river has 13 feet water; and vesels this frequently load and unrgoes by means of lightery \(a\) wn on the west side of the river. here is a fairway beacon withthoms water ; and willin ibe vith black and white bunys: the the right or starboard side when white on the larboard. Veank ce pilots at Bolderna, whin carry orage. No bullast is alluwett ept at Poderaguc. Regulatums similar to thoso at Peterdura. Phares, 2nd ed.; Regulation ces ; Admiralty List, 1869.) to its advantageous sitanativa of a great navigslble river, the very extensive; beng. of tix the Baltic, in this respect secal
The trade is chiefly carned cg. The trade ts chietly carne nerchants, particularly -sced, timber, corn, tobacco, hides ; the imports are sal, sury fies of all sorts, herrings, indes, \(n\) and cotton twist, silks, lard wines \&c.
\(e\) is extcusive. The burghen it ns who aro called mast hrokes ees to mark the trees, which ar hing. They grow mostly in the border on the Daieper, are sal 0 a landing-place, transported y unn, when, being formed into 1 stis 0 pieces, they descend the strem trec which produces the brige otch fir. Those pieces which hches in diameter are called mand mensions, spars; orports notwe because Norway exporeat skill nches in diametcr. Great shat stinguishing those masts intemally bse which are in the 70 to 80 fettic \(y\) are usually from 70 to 80 fet

The beat kind of tiax shipped from Riga is \(\mid\) and beans. According to Kelly, the loof 0 I.037s gowil in White Jussia, and ls called Drnana Winchenter bushel; and consequently the last akizer; it colour is very white, and the threade long, thrf, and loose, but it has nometimes black gols; the next quality, coming from the prosinee of Trockic in Lithnania, is called IIthumian rakitzer, and in very little inferior to Jruana, hut its colour is a llttle brown : of this kind the eat sort is Thiesenlinusen. The hest kind of fourhuil thax shipped from lliga is Marienbutg ; that grown lit Livonia is inferior. There are two kinit of linseed: that of the last crop, which is usel for suwing; innd that of former years, for cruhhing. T'i prevent deception, the year of Its hrowth is atamped on the barrel by aworn inspecturn bruckers). Hemp-sced is montly shipped fir Holland. Higa wheat is inferlor to that of Dantaic, Two descriptions are shipped-one the growth of Rusia, the other of Coniland; the last ls the hest, being larger-bodied and of a brighter colour than the liusslan: still, however, it makes but indifferent tlour. Oats are of a good quality, aud ate largely exported; peas are also occasionally exportel.
anshipping mants, the rest of the carger generally consints of deals and wainscot logs : the latter are much exported to England, and are very superior.
Money,-For the moneys of Riga, seo Petentsarab.
IVights and Measures.-The commercial pound is divided into 2 marcs, or 32 loths; and also into hadres, quarters \&c. It contains 6,452 English graiaw, Hence 100 Hh , of Riga \(=92 \cdot 17 \mathrm{lb}\). avoiriqpais \(=41.8\) kilog, \(=86.32 \mathrm{lb}\). of IIamburg \(=\) Nift lb , of Amsteriam. The lispound \(=20 \mathrm{lb}\).; the shippound \(=20\) lispounds.
The loof is the measure for grain: 48 loofs= 1 last of wheat, barley, or linseed; 45 loofs \(=\) 1 last of rye; and tio loofs \(=1\) last of oats, malt, of wheat \(=11.625\) fuarters. Nelkenbrecher does not value the last (yuite wo ligh as Kelly.

The finder, the meanure for liguids, is clivided into 1 alims, 24 ankers, 120 quarts, or 720 atoofs. 'The ankera 10) Dinglixh wine gallone.

The fixot of \(1 \mathrm{klgan}(1) \cdot 73\) English inchea, The ell \(=2\) feet; the clafter \(=10\) feet.

The numiber of Iritish reasefy of all classes arriving at this port during the years from Istil to 1817 inclusive was as follown :-
\begin{tabular}{|c|c|c|c|}
\hline Vears & Vemels & Tunnag & - rewa \\
\hline & S3.11 & 6.3,6019 & \%.4.31 \\
\hline \[
\begin{aligned}
& 1462 \\
& 146.8
\end{aligned}
\] & 361
30,1 & 71, 18.2 & 3, \({ }^{3} 18118\) \\
\hline 14.1 & 843 & & 4,7m0 \\
\hline \(1 \times 65\) & 145 & (105,2,29 & 4,410 \\
\hline 1N611 & 171 & ITh, fils & \(4,4.5\) \\
\hline 1sh7 & bit & 101, \(7 \times 1\) & \\
\hline
\end{tabular}

Tho number of vessely of all nations arrivint at this port during the years from 1861 to 1867 inchasive has been as follows :-
\begin{tabular}{|c|c|c|}
\hline Years & Vesels & Tonnake \\
\hline \({ }_{1 \times 6}^{1891}\) & 1,769 & 205,990 \\
\hline \({ }_{1 \times 10}^{1 \times 6}\) & 1711 & 20. \\
\hline N0ns & 1,900 &  \\
\hline 19664 & 8,547
8,069 & 边 \\
\hline
\end{tabular}

Vulue of Export Trude "of Riga 1861-67.
\begin{tabular}{|c|c|c|c|}
\hline 15A1 &  & 1863 &  \\
\hline 19x\% & - 45,9017,410 & \(1 \times 6{ }^{\text {a }}\) & 34, 177, (201 \\
\hline [x6, 3 &  & 1867 & 87,24,700 \\
\hline
\end{tabular}

The total import trade of Riga during the year 1867 shows a marked increaso ns compared with 1866, the flgures being respectively \(7,673,600\) ailver roubles in 1866, and 12,958,800 síver roubles in 1867.

Account of the Quantity of the Principal Articles Exported from Riga in 1865, distinguishing those sent to different Countries.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|}
\hline Countries & Flax & Hemp & Crushing
and Sowtig
Seed & Itempseexd & To-
baceo & \(\underset{\text { Girain }}{\text { Com and }}\) & Masts and How sprits & Planks and Dealid & Timber & Loga, Yat and Pije \\
\hline Ginat Britala & tons & \({ }_{\text {Lons }}^{18,966}\) & \[
\text { tmp, }{ }_{43,04}
\] & \[
\begin{aligned}
& \text { Linp; } 9 \text { rs. } \\
& \hline
\end{aligned}
\] & ** & \(4_{49,112}^{\text {Pra }}\) & pheces & pleces 3 & plecen & pleces \\
\hline France & 8,196 & 8,2\% & 14, 1013 & 11,315 & . & ,in & 332 & 168,116 & 15,618 & 117,759 \\
\hline Flekium & 5,019 & \({ }_{6} 816\) & 18,663 & 20,233 & \(\because\) & \(\because\) & 14808080 & 114,708
6,354 & 45,497 & \(2 \times 19117\)
151.624 \\
\hline Noun and Ponugal & 788 & 5,437 & 11,244 & 280 & \(\ddot{81}\) & \(\because 6 \times 6\) & 14: & 6,33\% & 399 & 181,624 \\
\hline Demmart - & 616 & 1,053 & 4,483 & 261 & 266 & & & 2,292 & 380 & 14,765 \\
\hline Holland & 581 & 1,352 & 37,493 & 6,461 & & 32,172 & 243 & 292, 42 & 75,029 & 20,048 \\
\hline Henne Tourns: & 135 & 1,040 & & 121
240 & \({ }_{40}^{9}\) & \({ }_{347}^{103}\) &  & \(1.84,983\)
53,139 & 4,242 & 1.810 \\
\hline Disers & 136 & 1,333 & 4,196 & 800 & 40 & 387 & 8.81 & 33,159 & 162 & 610 \\
\hline Total & 36,160 & 84,060) & 131,790 & 74,100 & 13.3 & 103,500 & 2,182 & 1,447,660 & 197,631 & 405,068 \\
\hline
\end{tabular}

The quality of timber denominated 'crown fir measuring 10 lasts and upwards; (2) A tax of 90 cimber' has latterly become very scarce, so that copecks for the stamped paper used for ship's the grater part of the Riga exports consists of the pass, and 15 copecks on tho declaration of the sceond quality, or what is called'Verschiffungs captain; (3) A tax of \(\&\) per cent. on tho valuo brack timber.' There is no essential difference in of merchandise descending the Duna by river the quality of crown timber and timber of the second quality, except that the latter is knottier than the former.
By deciston of the Council of the Empire, of April \(10(22), 1867:-\)
1. Seven descriptions of taxes borne by the commerce and navigation of Riga were abolished. II, 0 n account of the tax for the benefit of the city of Riga, only \& per cent. to be levied from January 1,1868, on all goods imported and exported, the town taking upon itself to keep up the mercantile courts and police of Riga; to increase the police and Gre brigade as may be necessary.
III. The commerce and navigation of Riga will contiaue to pay the following taxes :-
1. For the Benefit of the Crown.-(1) A lastge daty of 5 copecks per last on all vessels
2. Taxcs levied to be administered by the Exchange Committee.-(1) The second \(\ddagger\) per cent. on the value of imports and exports, on the condition that the ministers of the interior and finance shall watch that the amount received shall be esperially spplied to the payment of the interest, and to extinguish the loans raised by the body of merchants for the construction of the Winter Harbour, the building and furnishing of the Exchange, or for other expenses directly beneficial to commerce and navigation; (2) The third and fourth taxes of \(\frac{4}{4}\) per cent., as well as that of \(\frac{1}{8}\) per cent. on the value of imports and exports, under the condition that the local authorities shall report to the minister of the interior relative to the possibility of suppressing these three taxes, so soon
idea of this noblo harbour than could be obtainet
as the loans to the payment of which they are to be applied shall have been rid the keeping the propose their reduction, harbour tax necessary; (3) The tax of 1 copeck per last on all outgoing vessels for the benelit of the Marine lospital and the construction of the Ilospize.
3. With the Churacter of a Voluntaty Contribution, the tax tor the bencfit of the scamen's widew and orphan fund, and of the is left to be Society; the amount of the tiga, without placing decided by the shipowners uuder the obligation of shipowners to it.
4. The temporary tax of all merchants vesselsigable canal of the river, is to demening the na of 10 copecks per last, which chauged into a tax equally on all merchants' vessels shall be entering and quitro of this tax shall be exhowever, that tied to decpening the bed of the ellusivery and to no other purpose.
5. 'lo replace the tases which have been suppressed, and especially the tax of 5 copecks per last, the quay, slare, and bridge duties, as well as the tax called lewilligungsgelder, there is provisionally established, for the benelit of the to be of Riga, a single tax of 23 copecks per have actually levied on each vessel which shans for the use of made use of the town prep its part, (1) 'To estaships, the town engo order, and free from danger, the bridges and quavs necessary for mooring the ships; (2) To furnish masters of vessels, without cost, the beams and planks necessary for construeting the stages for loating and diselarging; (3) To exempt from all bridge payments, from vessels.

For Customs Tariff of 1869 , see Petersburg.
HIO DE JANEIRO. The capital of Brazil, on the Atlantic, in lat. \(2^{2} 2^{\circ} 51^{\prime} 7^{\prime \prime}\) S., long. \(43^{\circ} 9^{\prime}\) W. l'opulation, The harbour of hio is which 100,000 are slaves. world, both as respects one of the linest in the worn, all sorts of vessels. capaciousness and security it is usual to make In coming from the N.S. Cape lirio, abont 4 leagnes narked by a remarkable entranee to the harbour is manf, 900 feet high, close hill in the form of \(a\). to its west side; while ontance of about \(1 \frac{1}{2}\) mile, side of the bay, at the distane lhe accompanying is the fort of Santa Crom a chart published by order of the Brazilian authorities, gives a much better
any description.
Entrance to the Murbour.-Vesselk bound for , coming from the N., should, after rounding Frio, stecr due W., keeping abont 3 leagues the coast, until they come within 5u \({ }^{5} 6\) f the Ilha Ruza, or Flat Island, lying almost from the mouth of the harbour, at the disan S . from the mouthes. A lighthouse, the han. nce of about anild to be elevated nearly 300 feet ern of which is sail the sen, was erected on this above the level of the light is a revolving one, shand in 1828 . The in \(2 \frac{1}{4}\) minutes, and cxhilit. alterutely a white and red light. 'There is ales alternately a whe fort of Santa Cruz, the light of a lighthonse in the rort or santabed about 50 feet abo e which is fixed, and elevatier Sur les P'hures, 3 , the level of the sea. (Coulier Sur les Parres, cl.; Aclmiralty List, 1869.) Having or 6 miles of the Iha liaza, ships may enter fray or night, the dotted liue in the engraving marking he fairway into the harbour. There are nopiols o be met with; and as there are no lididen langers of any kind, their sersices are at ranted. On entering, vessels must pass within hail of Fort Santa Cruz, to be ready to answer ary questions that may be put to them. They thes proceed to Fort Vilgauhon, below or oppasta o which they must bring to, or come to auder allowing no boats to come alongside but they of the Goverument, until they have receiwdre ique, when they will be permitted to procedto lie nsual place of anchorage for the mente shipping.

The sea breeze generally sets in about llath and last still about sunset. It is strony und to enable ships to overcome the ebb. Hiderale at full and change at 2 in the afternoon.

Trade.-The trade of Rio is extensiveatits increased rapilly of late years. It is narting the greatest murt for the export of coffor shipments of this importaut article, which his amonntel to 396,785 hars, have increase in such unexampled rapidity, that in lig. . amonnted to \(42-4,531,680 \mathrm{lb}\)., valued at 8. or \(2,1553,323\) bags (taking the bage at hems 189,523 tons; being inore than the worl 9 conee from all the important article of expsiss lio, but latterly it has decreasect, having an wax to only \(8,980,960 \mathrm{lb}\). in 1867 , whereas in 8 amonited to 13,960 cases, 13 crt , eatiu ? other great articles of export from hioare hides, tobaceo, rum, tapioca, and other to articles. The export of gold, diamone se thongh very consiterable, is mostly dan Dianonds are principally exported from We suljuin-

An Aecount of the Vessels cleared out, and of the Quantities of the Princizal Artiktes if Produce Exported from Rio during cach of the following Years, chdiny with levi.


Anchorage Dues.-1. From and after July 1, reducel to 300 reis the ton; aud the in 1852. the anchoiuge duty upon vessele trading of duty previously levied uper coasting between foreiga ports and the ports of Brazil were \(/\) was abolish 1.
iturbour.-Vesscls bound for e N., should, after roundin: W., keeping about 3 leagnes il they come thand, lying almost za, or fat harbour, at the digucs. A lighthouse, the hanI to be clevatas erected on this The light is a revolving one, tion in 21 minutes, and exhibitnite and red light. 'There is also 3 fort of Santa Cruz, the light. d elevated about os Phares, 3t a. (Coulicr Suring got withinj ist, Raza, slips may cuter by day ed line in the engraving markin; ed hue in the There are no pilut and as there are no biditen kind, their sersices are not tering, yessels must pass witas ta Cruz, to be ready to ander That may bo put to below or uippatite must bring to, or come to anda, must to come alongsile but thes jats to come they have receivedpro nent, until pey witted to procedth ce of anchorage for the mertur eze generally sets in about 11.n. about sunset. It is strong end is to overcome the ebt. ange at 2 in the afternom.
 pidly of late rears. mart for the exporicle, which is this important article, when ind 390,785 bags, have in 180 , tat mpled rapidity, thalued at 5 .in \(4 \cdot 2,531,680 \mathrm{lb}\), valued at 1.413 .2 bars (taking than all the ersis a being the ports in the worlh, all the other portant article of expen ferly it has decreasel, haviug and \(80,960 \mathrm{lb}\). in 1867 , whereas in ll : to 13,960 eases, 13 ewt ent articles of expurt from lio axish in ateo, rum, tapioca, and other the sh The export of told, dhank date ry considerable, i11-
ties of the Principal Artides if
Ihowing Years,
\begin{tabular}{|c|c|c|c|}
\hline Wice & shum & Hose-
wood & \[
\begin{aligned}
& 1 \text { yucat } \\
& \text { cutitis }
\end{aligned}
\] \\
\hline baps & pipes & 402. & \\
\hline 27,27 & 4,72.5 & \({ }_{\text {2, }}^{2,482}\) & 119,59 \\
\hline 15,913 &  & 1,4113 & 43, 4 , +11 \\
\hline 20,021 & 3,981 & 1,321 & divisim \\
\hline 9,8017 & 4,3816 & 1,909 & \({ }_{1}^{11,066}\) \\
\hline 25,534 & 3,10 & 2, 2,067 & 12, 42 \\
\hline 2,734 & 3, 3,982 & 2,123 & 61.04 \\
\hline 8.994 & 1,988 & 2,894 & 3is \\
\hline 14,198
6,621 & 1,02s & 2,72
1,616 & ( 61.15 \\
\hline 16,5,0 & 42,610 & & \\
\hline
\end{tabular}

2. That part of the previsions of April 26, entrusted to its keeping. It charges 2 per cent. Suly 20, and November 15, 1844, which has not been altered by decree continues in force.
Money, Weights, and Measures.-l'ayments are made in liaper money, which has been over-issued, and is excessively depreciated. But the average rate of exchange may be assumed at abont \(2 s, 3 d\). fterling per milreis. A new copper coinage was introdnced in 1868.

> Weights and Measures.
> \(\begin{aligned} & \text { The Libra } \\ & \text { Arroha }=1.012 \mathrm{lb} . \text { avolr. } \\ &=38.3 \mathrm{~s},\end{aligned}\)
> \(\begin{aligned} & \text { Arroha } \\ & \text { Quintal }\end{aligned}\)

Statement of the Value of the Principal and Other Articles (including Bullion and Specie) Exported from Brazii in each of the Years 1861-2, 1862-3, and 1863-4.
\begin{tabular}{|c|c|c|c|}
\hline Articles & 1861-2 & 1862-3 & 1863-4 \\
\hline & milreis & milirels *19.231 & milrein \\
\hline Cutton, raw & 7,786,151 & 16.817,804 & 88,333,6109 \\
\hline sugar, white & 7,399,630 & 6,009,865 & 4,604,736 \\
\hline brown. & 15,936,169 & 15,271,164 & 15,242,047 \\
\hline Hair, buman and horse & 345,01.3 & 318,932 & 431,941 \\
\hline Catie & 58,746,993 & 56,574,935 & 54,130,68 \\
\hline CaOA & 1,412,059 & 1,578,937 & 1,308,742 \\
\hline Hides, silted & 3, \(\times 32,751\) & 4,834,559 & \(5.226,07.4\) \\
\hline dry & \(8,833,770\) & 2,415, 815 & 2,781,618 \\
\hline Dismonds & 4,211,448 & 4,116,175 & 4,128,724 \\
\hline Tobacto & 4,478,619 & 6,202,190 & 3, 512,6,35 \\
\hline Indla-rutber & \(\mathbf{4 , 4 3 8 , 1 5 9}\) & 3,275,913 & 3,695,373 \\
\hline Jacarandz (plant) & 927,837 & 788, 0,57 & 670,23y \\
\hline Parizuay tea - & 1,401,376 & 1,514,781 & 1,510,108 \\
\hline diolitin dust and bar & 2,121,399 & 777,625 & 111,036 \\
\hline Other sricles & 3,507,397 & 3,170,131 & 3,189,569 \\
\hline Total \(\{\) milrels & \[
\begin{aligned}
& 120,719992 \\
& 13.580993
\end{aligned}
\] & \[
142,470,496
\] & \[
129,120,699
\] \\
\hline
\end{tabular}

The following is the estimated quantity and ralue of exports from Rio de Janeiro during the ear 1867. ('Taken from the Report of Mr, 1'akenm , Sccretary of the British Legation.)
\begin{tabular}{|ccc|c|c}
\hline & & & Quantity & \\
\hline & & \\
\hline
\end{tabular}

The exports from Pernambuco, Pará, Bahia, atos, snd Rio Grande do Súl during the same iad amount to about \(7,000,000\).
exports of Sugar.-Though the exports of ar from lio have decreased, that is not the with the exports from Bahin and other pert e empire. In preof of this, we beg to subthe follewing account of the sugar exported Brazil is the undermentioned years, ending 30.


Brazilians are great eaters of sugar, and is wasted in the interior. Hence the magof the exports is not inffuenced merely state of the crops, but also by the prices in e and the United States. When they are larger propertion of the produce is exported. Bank of Brazil has its head-quarters in thas power to issue notes; and all disputed belonging to dead or absent parties is

The principnl article of import consists of cotton goods, the value of which ameunts to about a third part of the tetnl value of the imports. Next to cottons are woollen, linen, and silk manufactures, wines, jewellery, nal ironmongery; flour, ment, fish, bitter, and other articles of provision spirits, salt, earthenware, paper, and a host of ether articles.
The exports have increased materially within the last few ycars; notwithastanding labour has become scarcer and dearer, in consequence of the greatly increased difficulties thrown in the way of the importation of slaves. The exports of cotton were, for a lengthened periud, nearly stationary. They are now, however, pretty extensive, and supplied us in 1866 with 611,808 cwt. Hides are a very important article of export.
Falue of Imports (including Bullion and Specic) into Brazil from various Countries, in each of the Years 1863-1, 1864-5, and 1865̈-6.
\begin{tabular}{|c|c|c|c|}
\hline Countries & 1863- & 1864-5 & 865-6 \\
\hline & mitreis & milreis & nilr \\
\hline lossessions & 64,635,109 & 63,538,014 & ;3,751,:34 \\
\hline France and French Possessions & 23,110,413 & 30,616,087 & \\
\hline Hanse Towns & 3,153,869 & 4,911,904 & \\
\hline Porlugal and Portuguese & 6,316,113 & 6,280 & \\
\hline Spaln and Spmenish Pos. & 6,516,113 & 6,259 & \\
\hline nelosium : & 2,250,074. & 2,18 & 2,180,035 \\
\hline sweden and Norway & +809, & & \\
\hline italy : & \(7 \mathrm{~F} \times 104\) & 760,526 & \\
\hline Unlted States & 6,239,481 & 6,325,936 & 6,51),742 \\
\hline Chill & 146.688 & 373,409 & 175 \% 50 s \\
\hline Peru & 24,979 & & 250 \\
\hline Rio de la & 9,062,37t & 11,700,203 & 3,6:2,405 \\
\hline Russia & & & 13,910 \\
\hline \({ }_{\text {Ausiris }}^{\text {1/enmart }}\) & 776,543 & 1,012,751 & 1,183,133 \\
\hline \begin{tabular}{l}
1)enmark \\
Holland and Dutc
\end{tabular} & \[
132,420
\] & 30,512 & 52,914 \\
\hline sessions & 116,092 & 70,250 & 89,000 \\
\hline China - & & & 8,36.054 \\
\hline Poits of the Empire not specibied & 986,537 & & \[
\begin{aligned}
& 8,36,724 \\
& , 4 \times 3,671
\end{aligned}
\] \\
\hline Africa - - & 209,624 & 217,478 & 169,146 \\
\hline Fisheries & 9,896 & 249 & \\
\hline Tutal \(\quad\left\{\begin{array}{r}\text { milrels } \\ \mathbf{f}\end{array}\right\}\) & \[
\begin{array}{r}
12.3,045,575 \\
13,842,661
\end{array}
\] & \[
\begin{array}{r}
131,594,157 \\
14,801,342 \\
\hline
\end{array}
\] & \[
\begin{array}{r}
138,095,965 \\
15,5,35,795
\end{array}
\] \\
\hline \multicolumn{4}{|l|}{\multirow[t]{3}{*}{Talue of Principal and other Articles (including Bullion and Specie) Importcd into Brazil, in 1863-4, 1864-5, and 1865-6.}} \\
\hline & & & \\
\hline & & & \\
\hline Arictes & 1563-4 & 86.1 & 186 \\
\hline & & & milreis \\
\hline Cod, and other fish & 1,389,3,35 & 1,104,0.39 & \\
\hline Spirits - & 1,741,150 & 3,592, 105 & 3, 63.38, fi61 \\
\hline Hosiery & 1,384, 883 & 1,698,166 & 1,510, 1111 \\
\hline \$rat & 7,174,509 & 7,411,309 & 9,624,55') \\
\hline Coals (stone) & 1,9,35,092 & 3,699,217 & 4,144, 26 \\
\hline Hats & 1,451,862 & 1,481,296 & \%,864,318 \\
\hline Hides and leather & 959,314 & 926,593 & 74, 276 \\
\hline Drugs & 1,731,670 & 1,488,920 & 1,310,175 \\
\hline Wheat, Rour & 4,258,093 & 5,645,364 & 3,487,593 \\
\hline Cutlery and hardware & 4,942,692 & 6,605,\%01 & 3, \(242,4 \times 7\) \\
\hline Iron, raw & 686,906 & 1,285, 268 & 1,367,067 \\
\hline Glass and glassware & 1,359,135 & 1,930,041 & 1,505,598 \\
\hline Machinery & 8,34,604 & 869,528 & 1,237,296 \\
\hline Butser & z,10, 21.1 & 1,978,669 & \% 304,649 \\
\hline Cotton manulactures & 26,917,911 & 35,371,455 & 30,503,06i2 \\
\hline Woollen & 4,33.3,187 & 5,111,692 & 3,870,22\% \\
\hline Linen & 3,191,128 & 3,965,535 & 4,647,466 \\
\hline Silk & 3, 381,897 & \%,4.56,863 & 1,575,160 \\
\hline Mised & 3,211,598 & & 4,933,429 \\
\hline Cotn and silver wo & 20,077,937 & \[
8,476,465
\] & 22,669,0171 \\
\hline Gnld and silver wo & 1,587,187 & 3, 873,881 & 1,3759,543 \\
\hline Paper & 1,246,950 & 1,344,815 & 1,016,513 \\
\hline Gunpowder & 395,911 & 560,511 & 460,611 \\
\hline Apparel & 1,350, \({ }^{1279}\) & 1,910,097 & 1,047,218 \\
\hline Salt & 1,332, 321 & 939,790 & 1,049,375 \\
\hline Wine & 3,92., 661 & 5,626,554 & 6,943,199 \\
\hline Other articles & 18,873,047 & 17,759,865 & 15,677.496 \\
\hline Tutal \(\quad\left\{\begin{array}{r}\text { milrels } \\ \boldsymbol{\varepsilon}\end{array}\right.\) & \[
\begin{array}{r}
125,613,655 \\
11,131,535 \\
\hline
\end{array}
\] & \[
\begin{array}{r}
131,600,164 \\
14,600,052
\end{array}
\] & \[
\begin{array}{r}
138.995,965 \\
15,535,795
\end{array}
\] \\
\hline
\end{tabular}

Port Regulations.-The captain of every ship entering Lio, or any other port of Brazil, is ordered by a law enneted in 1836-
1. 'lo go directly with his vessel from the entrance of the harbour to the anchorage ground in Franquia; and if, on account of the tide, contrary wind, or any other just eause, he should be 4 G
compelled to come to ancher, and thall remain anchored for 12 hours after said hindrances are removed (except in case of being quarantined), he shall pay a fine of \(100,000 \mathrm{reis}\), and shall be compelled, ly the fert, or by a Government vessel of war, whichever may be nearest), to proceed immediately to the Franquia anchoring ground.
2. He shall not suffer any kind of vessel to board him, nor any person to come on bonrl or leave his vessel, before he has been visited from the custom-house, excepting only the pilot, heaith officer, the head officer at the entrance, when there is one, and in the case of shipwreck, or for tho saving of lives.
3. Even after the custom-house visit on arrival, and until the vessel is discharged, he shall allow 110 person to come on board without a written permission from the inspector of the enstoms; and this permission shall be given in the lollowing cases, viz.:-
(a) To allow the buyers of goods to go on board to examine the cargo they wish to purehase, when sufficient specimens cannot be seen on shore.
(b) To workmen or labourers necessary to put the cargo in order, taking eare to have them examined when they go on board and return. In ense of the infrnetion of the above regulations, a fine shall be imposed on him from 100,000 to 200,000 reis for every vessel he allows to board him, and of 500,000 for cach person who shall enter or leave his vessel without license, unless he be a passenger or belonging to the crew: and every other person who goes on hoard or leaves the vessel shall pay 100,000 reis fine, and be kept in custody until payment is made. 'The one-third part of these fines shall be divided amongst the watehmen or military who shall have taken up the offender.
4. He shal leliver to the guarda-mor (chief customs officer), when he makes his visit on arrival, his passport and cargo-book.
5. He shall deliver to the commander of the guard boat without the port, if he be there, or at the Franquia, if he be there, the manifest as described below.
6. He shall enter at the custom-honse, within 24 hours after the guarda-mor has been on board, not counting the days on which the custom-house is shot, and present himself to the inspector, and swear, or affirm, that he has not on board of his vessel any merchandise other than what is described in the manifest he has delivered, and that he has no further declaration to make; and if he do not enter within the 24 hours, he shall pay 100,000 reis for each day's delay additional.
7. If he shall detain his vessel at either of the anchorages more than 24 hours, when he sliall be directed by the guarda-mor, or his representative, to remove thence, he shall pay 100,000 reis for every day he delays.
8. He shall discharge no part of his cargo but by an order in writing from the inspector; and if he land nny without such order, he shall pay 100,000 reis for each package so landed.
9. He shall give notice to the efficer attending the discharge of the vessel, as soon as lis cargo is discharged, that he has nothing remaining on board. If he omit to do this on the same day, so that the vessel may be immediately examined, he shall be fined 106,000 reis.
10. The master of every vessel going with a eargo to any part of the empire, must have two manifests of the cargo, exact copies of each other, exhibiting the name, class, and tonnage of the vessel; the name of the captain, whose signature must follow the date; the name of the port where the articles stated in the manifest were taken on
board; the name of the port or ports for wh the vessel is destined; the marks or counter ma and numbers of the packages, and their desci tion, as bales, cases, pipes, half-pipes, barrels 8 a deelaration of the quantity and quality of merchandise of each package, or several sim ones of the same mark, and also of what is board in bulk; the names of the consignees, ul order; all to be written in length, except numbers of the packages.
11. When the vessel has taken in her care more than one port, there must be two manif from each port.
12. At the end of the manifest, the capt shall declare the number of passengers, whet cabin or stecrage, and the bnggage for the use each, and in aduition any declaration neves: for his security; and in good faith he shall dech whether he has any packnge to add to the mas fest, or whether any are deticient, with the ean of it, as no after declaration will relieve him fo responsibillty, for he will not be exempted up the vague declarations frequently male, whid not account for deficiencies or differences.
13. The captain of any vessel bound to Braii when he has completed his cargo in the prt ports from which he is to sail, and made th manifests, as required in the 9 th article, thi present hls documents to the Brazilian come residing in the port, who shall examine them, 0 : if agreeable to these regulations, certify them
14. In those ports where there is no Brazim consul or substitute, the manifests shall be erth tied by two Brazilian resident merchants; of there be none, by two merchants of the plac: is either case, the signature to be anthenticatedty legal authority.
15. Should any greater quantity of grodsld found on board than are stated in the manifete the declaration of the captain, the overplus that be seized and divided amongst those who wits them, after paying the duties, and the crutur shall pay a fine of half the value of the goods
16. If there are any goods missing of dws stated in the manifest or declaration of the tain, they shall be reputed to be concealed a sminggled, and he shall pay the ralue therifin those who have discovered the defieiencr, m half the value to the national treasury. Ties condemnations shall take place on the simplitu of there being an overplus or deficicacy of \(\%\) ob without further proof being required.
17. For each difference in the quality or mis of the passage, the captain shall pay 2,004 althongh in every other respect the goods charged may agree with the manifest.
18. The captain whose manifests are not formable to these regulations, shall be find fos 100,000 reis to one conto de reis, at the will dit collector, according to the degree of culpaizthat shall nppear, and he caunot discharye of the fine is paid.
19. In case the captain brings no manieter may still be allowed to discharge, by payingire cent. on the value of the cargo, in addition but usual duties.

Franquia,-Vessels proceeding to Brail, when it is wished to dispose of their cary different ports, must clear out for ' Braziland a ports,' or for 'Peraambuco, Bahia, Rio de jaz and other ports.' 'They are then eatitled wh privilege of liranquia, and may land ayd their curgoes at one port, paying dutios on the goods so landed, and procecd mith mainder to other ports. But if they dear of one port only, they are compelled to make nu plete entry, und diseliarge the whole of the \(x^{\prime}\) :
e port or ports for whinh the marks or counter marks the marks and their descripipes, half-pipes, barrels \&e.; puantity and quality of the package, or several similar ark, and also of what is on ark, and also consignces, or to ritten in length, except the ages.
asel has taken in her cary at there must be two manifets
of the manifest, the captain umber of passengers, whether and the baggage for the use at ion any declaration necessary di in good faith he shall declase y packnge to add to the maniy are deticient, with the canse ay are dion will relieve him from eclaration wot be exempted upa tions frequently made, whiddo ficiencies or differences. n of any veasel bound to Brail, n of any vis cargo in the port \(\%\) apleted is to sail, and male the Ine is to sail, and article, bull quired to the Brazilian coured uments who shall examine them, wid hort, who regulations, certify them. ports where there is no brailin thte, the manifests shall becri: razilian resident merchauts; of razina two merchants of the place in a signature to be authenticatedy
any greater quantity of gols) d than are stated in the marietera a of the captain, the overplas that divided amongst those who *ite baying the duties, and the criv he of half the value of the goons e are any goods missing of the manifest or declaration of the mis hall be reputed to be concealde in a d he shall pay the value thenain ave discovered the deticicacy ue to the national tre place on the simplet in
ns shall take hg an overplus or deficiency of gith her proof being required. ach difference in the quality or uge, the captain shall pay 2,001 , every other respect the
captain whose manifests are not te captain whose mans, shall be faed to to one conto de reis, at the rilld d ccording to the degree of culpatiz? appear, and he caunot disclarg baid. ase the captain brings no manilitsis e allowed to discharge, by pariogix e value of the cargo, in addition to A.
a.-Vessels procceding to Brail, wished to dispose of their cary orts, must clear out for 'Brazilas de Joa or 'Pernambuco, Bahia, Rio de Jois ports.' They are then eatind a of Franquia, and may lang dutio to roes at one port, paying dual wis. pds so landed, and proceed winard o other ports. But if the to make aic only, they are compelid the of the as
\(y\), ind discharge the whe

In proceding from one Brazilian port to another, it is lacessary that a bill of health should be taken frum the local authorities of each port; and where ay part of the cargo is landel, tho same must be aoted on the original manifest by the customs officer of the port.
Anchorage.-Foreign vessels pny, in all parts of the empire, 10 reis per ton per day, from tho 5th dav ather their entry.
lighthouse.-The lighthouse duty, 100 reis per twa, for all vessels over 40 tons departing from purts where there is a lighthouse. Vessels under purts tons are exempted from this duty.
Port-duty.-On all vessels not crossing the bar of tho hatbour of lio de Janciro, the following charges aro levicd, viz. of 3 masts, 12,800 reis; of ? mssts, 9,600 rels; and of 1 mast, 6,100 reis.
Seal.-The duty is 40 reis for every written half-shect.
half.-shect.-Visit of the physician is fixed at 8,200
Heal deis: but in case the vessel is made to perform quarautine, then another sum of 8,200 reis is pavable on the ndmission of the vessel to free pratique.
Hospitals.-A ressel of 3 masts pays 6,000 reis ; brigs, corvettes, and yachts, 4,000; pinnaces, 2,3iti); barks, 1,280.
Each oac of the ship's company of vessels sailing for a foreign port pays 400 rels.
Usages of Merchants.-It is customary that the expense of landing and shipping a cargo on reight shall be paid by the vessel, unless the conrrary be stipulated in the bills of lading.
Whea hard Spanish dollnrs are bargained for, in patracts of freight, they should be so expressed h the instrament of contract, to prevent dispute. Purchases of produce are paid for in cash, and les are made on stipulated credit, but nominally rcash.
If bills on London are sent out for the purchase proluce in Brazil, the credit must have the pirmation of the London house.
Anchorage Dues in Brazilian Ports.- The anprare lues tixed by law of October 22, 1836, are W superseded by a tax of 3 rix-dollars per ton, Fable, onc-half on cutering, and onc-half on ling, by all merchant vessels on foreign trading, hh the following restrictions:-
hips antiving in ballast, and going away the Re, will pay the old nuchorage; if tnking car, they will pay half the present dues.

Ships entering to get fresh provisions, or in Franginia, to try the market, but not discharging, pay only the old anchorage. If they merely tiselargo part of eargo, pay only half of present dues.

Ships entering under arernge or in distress, pay nothing if they do not discharge, or only dischatge the necessary for repairing.
Ships carrying colonists subject to some molification.

Ships entering three tlmes in ono year, only pay nichorage dues the first two voyages.
The Governmeut is anthorised to modify the impost ns soon as the treaty with tireat Britain expires, as may seem most suitable for the encourarement of the national shipping trade to foreign ports, or to the whale fisheries. The anchorago dues on foreign shipping may not be inereased.
Rio, June 26, 1813 .
Rutes of Commission charged at Rio.
On siles of merrchandise
Ont perchase of mercliandise, with fends in hand, on amount of Guat cnui ch crips
For drawlog or endersinge and nepotiationg bilis
On purchase or s tle of veastis hy private contract
On anount of vessels condenneed by survi yors
On protering or collerting freiplits
On tilubursements of vescels in common eases, with fands in
hand \(-\quad\).
On dishursements of vessels when fomils are aivanced, or in caso
of conclemnation, or in seswls entering for repairs only
On rectiving and forwarding goots
On amount of respon-1 initioe, incurred thercon
On recelving and paying money on whith no other commission is
On purchase or sale or specle \(\quad: \quad: \quad: \quad . \quad\).
Fof etlicting marine ingarance on the amount Insured i and when
the premium exceeds lo per cent., 5 per cent. on the amount
of premilum
On consignmests of merchandise withdrawn or yeshipped, fuil On consignments of merchamilise withdrawn or yeshlpped, fudt
commision to be cliampel to the extent of advances or tesponsibilitles lncurred, and half commision on the restdue of the
Onlue,
No interest allowed on money on depoit.
torneren allowey dry toody
In the ciase of in
In the case of thecharging ant reshipping the eargoes of vesels 1
in ulistress, on the ninvoice amount ming the eargoes of vessels 2 . 2 per cent., or hall the cominission charged on sales of mer -
chandise, will he retumed to supercargoes, but nothing on ln. restments or other businebs.
Remarks on the Trade, Finances \&c. of Brazil. -The imports into Brazil, which, excepting flonr from the United States, nre chicfly from Great Britain, consist principally of our cottons, woollens, linens, iron and steel, hardware, machinery, butter, sumpowder, coal, and other articles, amounting in all (of British produce), in 1866, as scen on p. 1188,
pount of the Quantitics and Values of the Principal Artic/cs Imported from Brazil uto the United Kingdom in each of the 3 Years ending with 1867.


    All other nrticies \({ }^{\text {at }}\)
to \(7,224,7331\), but in1867 to only \(5,68 \cdot f, 0571\). There can, however, be little doubt that with the incontinuo progressively the diffusion of civilisation. crease of population and the diffusion of is is, on the The commercial policy of inazies on imports whole, decidedly liberal. The datierate, and have and exports have been the sake of revenue than been imposed more for has made a large reduction in of protection. She has made a large reductics frethe tonnage duties on trepealed a duty of 15 per quenting her ports, has repinces on the exportacent. imposed in some proinced a desire to adopt tion of hides, and has evial system. The repeal generally a free commerctal formerly imposed in of the discriminating duty former, and the equathis country on siave-grown sugand colonial sugar lisation of the duties on was advantageons to ourand coffee, while it was advan brazil, and has selves, has been a great boon to with the United considerably extended her trate Kingdom.

The trade of Brazil was formerly much and her by the wretched state of her currency in a very fiunnces; and thourg the former rematerly been a unsatisfactory condition, it has hates have been, pood deal improved, while her war, comparatively down te th

\section*{lourishing}

Financial Condition of Brazil.-The finances as well as the trade of the empire have been for some years past in an improving condition, and contrast most farourably with those of other contrast American states. For several years preSoath Americammencement of the long and unsatisfactory war in which she and her allies were angaged with Paraguay, there was an almost engaged contmuous to \(1.495,282 l\)., while the amount for amounted to \(1,405,2\) at about \(5,900,000 l\). This \(1868-9\) is estimat from any inerease of taxation, has resulted, not from anytisation of the country; but from the growing eivitisamen of its resources and the progressive development
under a free commerciareditable to the Brazilian
It is, also, highly ereditable regularly paid the Government on the public debt of the empire, and interest besides, effectual provision for its relempmade besides, effectual provision empire, which was in 1867 estimated at \(47,595,3181\)., ROADS. Pathway art and care, for facilitur try, with nore or less art and eare, the transit of ind They are of every yaricr d form-from rude, narrow, rugged, and undad paths, earried over mountains, interrupeed y? paths, petty rivulet, and almost impractions ti very petty vassengers, to smooth, brow, mid any but foot formed of solid materials, rintion level ways, formed ountains, and canimone round or cut through an immense experes swamps and rivers asy passage of carriagend allmitting of sorts ofs.
all sorts of goods.
The laying out of improved roals, and in
The laying out of important part of dui construction, forms ance of civil engineering ba denomimate be quite foreign to our purpest as it would any details as to the formation dird we shall satisfy ourselves with laying bever reader the following statemen view.
\(\qquad\) ace in a cominercial point of improved Rek
Importance and thtity of improve, and with Next to the introductiontion of good robs and measures, the greatest facility to conte bridges now powerfuly, perbas, 2 and contribus to the progress of impores anything else to denominated national ress hey have been denomer are not more indigav to the existence of individuals, than ididm communications are to a healthy state of ther economy. It were vain to atienpt to pair in detail the various advantages derime casy means of commnnicationgle district thay liritain. There others for a large part of its sif even of some of the bulkiest commodita sides the coals, metals, minerals, timber, conveyed from one part of the capire whe by sea, immense quantities are con wis place to place in the interior, by fored the and every improvement effected same edat the cost of commodities that hare wh the cost of an improvement in the mind which they are raised or manufatured !

Wheret the means of internal communication \(\mid\) manufacturing industry is carried to a degree of ate dellcient in a comentry, the inhabitants must unavoidably disperse themselves over the surface. Cities were originally founded by individuala concresating more, perhups, for the snke of mutunl defene and protection, than for any other cnuse. But in countries where good government is estnWished, and property is secure, men resort to fities only from a sense of the alvantages they fier. The scalo on which business is condueted at then presents facilities that camot be elsewhere afforided for making a fortune; and the extoot to which the sulh-division of employments is carned opens a tield for the exercise of all sorts of fout at the same time that it inproves anl perfects all sorts of arts, whether subservient to industrions or scientific pursuits or to those of jleasure and dissipation. It is this that attracts the arpiring, the industrious, tho gay, and the profigate, to cities-that fills them with the best and the worst part of the species. The competition that takes place in a great town, the excitement that is constantly kept up, the collisina of so nany minds bronght into immedinte ontact, and ail endeavouring to outstrip each wher in their respective departments, develops all the resources of the human mind, and renders a freat city a perpetually radiating focus of intelligeace and invention. There are, however, considerable clogs upon the continued increase of cities. The food and fucl made use of by the inhabitants, and the raw products on which their industry is to be exerted, must all come from the country and according as the size of a city inereases, the distances from which its supplies have to be brought become so much tho greater, that oltimately the cost of their conveyance may be 80 great as to balance or exceed the peculine advantaces resulting from a residence in town. Hence the impossibility of a large or even a coniderable city existing arywhere without possessaig extensive means of communication either with the surfounding country, or with other countries ; and hence, too, the explanation of the apparently iagular fact, of almost all large cities having been buaded on or near the sea, or a navigable river. ad London been an inland town, 50 miles om the shore, it is abundantly certain that e could not have attained to one-third part Ir present size; hut the facilities afforded, by radnirable situation on the 'Thnmes, for the portation of all sorts of produce from abroad, well as from other parts of England, will whe her, should her commerce continne to sper, to add to her colossal magnitude for turies to come.
ut all towns cannot lie founded on the sea t , or the banks of navigable rivers: and the th of those in inland situations must, in all s, depend on their means of communicating the surrounding country. Without our imed roads, the great inland manufucturing s with which England is studded, such ns chester, Leeds, Birminghnm, Sheffield, BolPreston \&.c., could not exist. They cnable habitants to obtnin the rude products of the nd the mines almost as chenp as if they in country villages. There is thas nothing, st to nothing, to detract from the advanwhich the inventive and enterprising armay expect to realise from resorting to great hives of industry. And, owing to gantic scale on which all sorts of industry ducted in them, the scope afforded for the ment of the most powerful minchines, appropriation of particular sets of workevery separate process, however minute,
perfection that almost exceels belicf.
The intluence which the growth of a large town exercises upon arriculture isgrent and striking. 'In the neighhourhood,' says Paley, 'of traling towns. and in those districts which carry on a communication with the markets of trading towns, the hasbandmen are busy and skilful, the peasantry laborious; the land is managed to the best ndvintage. and touble the quantity of eorn or herbage (urticles which nre ultimately converted into human provision) ralsel from it, of what the same soil yields in remoter and moro neglected yarts o. the country. Wherever a thriving manufactory tinds menns to establish itself, a new vegetation springs up around it. I believe it is true, that agriculture never arrives nt any considerable, much less at its: highest, degree of perfection, when it is not connected with trade; that is, when the demand for the proiluce is not inereased by the consumption of trading cities.' (Moral I'hilosophy, book vi. c. 11.)

But the fact of their being mninly condueive to the growth of cities, is not the only advnutage: which improved ronds confer upon agriculture. Without their aid it would bo impossible to cary to distant places sufficient supplies of such bulky and heavy articles as lime, mnrl, shells, and other manures necessary to give lusuriance to the crops of rich soils, and to render those thint are poor productive. Not only, too, would inferior roads lessen the market for farm produce, and consequently the quantity raised, but a larger 1,roportional number of horses or other cattle would be required to convey the diminished produce to market. It is plain, therefore, that good ronds are both directly and indirectly a prime source agriculturnl improvement; directly, by increasing the quantity and reducing the cost of manure, and by increasing the quantity and reducing the cost of conveying farm produce to market ; and indirectly, by providing for the growth and inclefinite extension of cities and towns, chat is, of the inarkets for agricultural produce

Incrensed speed of conveyance is one of the principal advantages that have resulted from the formation of good roads, the invention of steam packets \&c. Suppose that it takes 2 days 11 travel by an uneven, ill-made road between any 2 places; and that, by improving the road, the journey mny be accomplished in 1 day; the effect is the same as if the distance were reluced one half: and there is not only a great saving of time to travellers, but also a greal sering of cost from the more speedy conveynuce of commolities. This latter is a point of mach more importnne than is commonly supposed. It is not possible to form any correct estimate of the value of the products that are constantly in the act of being carried fror: place to place in Great Britain and Ire land. It is certain, however, that it is very great and every additiona: facility of conveyance, by bringing such products more rapidly to their destination, and cnabling them to be sooner applied to the purposes for which they are intended renders large quantities of capitnit available for industrious purposes, that would otherwise be locked up.

Mode of defraying Costs of Roads.-Roads of one sort or other must, of cours.', exist in ever country emerged from brrbarism-hut in England, the statute of the 28th of Philip and Mary, which is still in force, is the first legislative enactment in which a regulnr provision was made for the repair of the roads. The preamble to this statute declares, that the ronds were tedious anil noisome to travel on, and dangerons to passengers
and carriages: and therefore it enacts, that in contribution of \(n: x n t\), \(10,000,000\) livres ascear every parlsh 2 surveyors of tho lighways shall would sulllee for theso oljects; whereas 'Turput be annually chosen, and the inhalitants of' \(r\) ll purishes obliged, aecording to their respective ability, to prowde labourers, earriages, tools \&e. for four days each year, to work unon the roads, under the direction of the surveyors. This pystem, though in many respects exceedingly defeetive, was at the time justly considered a great improvenent, and nassered pretty well till the reign of Charles II., when, owing to the increase of carriages, particularly about Londou, it becane necessary to adopt more elfictent measures for the formation and repalr of roads; and the plan of imposing tolls upon those who made use of them legan then to be adopted. But thly system was not carried into full etlect, and placed upon a solid footing, till about 1767, when it was extended to the great roads to all parts of the country; tho contributions of labour under the Act of Philip and Mary being then appropriated entirely to the eross or country roads. A moner payment is now, however, very frequently made, in the case of the latter, instead of a contribution in labour.
When the plan for extending turmpike roads from the metropolis to distant parts of the comutry was in ngitation, the counties in the neighbourhood of London petitioned P'arliament against it, alleging that the remoter esunties would be able, from the comparativo cheapness of labour in them, to sell their produce in London at a lower rate than they could do; and that their rents would be reducel, and cultivation ruined, hy the measure. Luckily this interested opposition proved ineffectual ; and instead of being injurioas to the counties adjoining the metropolis, the improvement of the roads has been quite as beneficial to them as to those at a distance, inasmuch as, by providing for the indelinite extension of the city, it has renlered it a far better market for their peculiar productions, than it would have been had its growth. been checked; which must have been the case long ago, had the improvements in question not been made.
The plan of making and repairing roads by contributions of labour is not peculiar to England, but was at one period general all over Europe. By an Act of the Scotch Parliament, passed in 1669, all persons engaged in husbandry were obliged to labour six days each year, before or aiter harvest, upon the pablic ronds: the farmers and landlords being, at the same time, obliged to furuish horses, carts \&c. according to the extent of land occupied by them. The inconveniences of such a system are many and obvious. Those who gret no pay for their work, and who perform it against their will, waste their time and industry; and there is, resides, a great loss incurred by the interruption of the regular pursuits of the labourer. A sense of these disadvantages led, in the early part of the reign of George III., to a commutation of the labour contribution for a money tax on laud, rated according to its valuation in the cess books. This measure has been productive of the best effects. Previously to its taking place, the roads, eren in the best-cultirated districts of Scotland, were in the worst possible state, whereas they are now about the very best in Europe.

A similar system has been followed on the Continent. When Turgot entered on his administration, he sent a circular letter to the road surveyors and engineers of the different provinces of France, desiring them to transmit estimates, framed on the most liberal scale, of the sums of money for which the usual repairs might be made on the old roads, and the ordianry extent of new ones constructed. The avernge of the estimates showed that a moncy
showed, that the execution of these reanir and constructions, by contributions of forced lathour, or corvées, cust, wit less than \(40,9000,000\) liyres. (Art. 'Taxation,' E'ncy, Brit.)

There is still, however, a great dral of hame pertiormed on the eross and cometry roadts of line and mader the system establishled by the Act Philip) and Mary: Jts continuance is most probnbly to bo ascriled to tho want of any realy uwans for its commutation.
It is the duty of (iovernment to furninh assist nee towarls the formatlom of roads and bridp e in parts of the country where they are necessary: and where the funds required for their formatiin, camot otherwise be obtained. But it is in such calses extremely desirable, in order to prevent Government from being deeeived by intersted representations, that those more immediately con. corned in the undertaking slowld be bound to contrihute a considerable portion of its expensis. This has been done m the case of the flichlayd roads. Down to a very recent period, large tract in the llighlands wero quite inaleecssible, an were, consequently, in a great masure shut out from all improvement; while the rugged nuture of the country and the poverty of the inbsbiatats rendered any attempt to construct improved ruad an undertakling beyond their means. Under these circumstances, Government camo forward and engaged to alvance half the expense of makinerad and bridges in certain districts, on condition than the landlords and others interested should adrance the other half, and that the work shoull be executed under the direction of parliamentary conmissioners and engineers. This arrangement has been lighly beneficial. Through its measalore 600 miles of excellent roads have been constructed; and, in consequence of the easy mcass of commanication they afford, a spirit of improvement has been excited even in the wildest and least-frequented districts.
Adam Simith scems to have inclined to the opinion, that the roads of a country wouli te better nttended to, and more cconomically man. aged, were they placed under the control of \(\mathrm{G}_{2}\) vernment, than when they are left to be planed and superintended by private individuals. Bat this opimion does not seem to rest on any pod foundation. It is, perhaps, true that a fer of the great roads between the principal towns of a courtry might be better laid out by govenment surveyors, than by sarveyors appointed by the getticmen of the different comnties through wird they pass. But these great roads bear but a ver small proportion to the total extent of cross and other roads with which every country either is, or should be, intersected; and, besides, it i: aban dantly certain, that when the formation of be great roads is left, as in Great Britain, to the care of those who, either Ly themselves or their tenats have to defray the greater part of the expenic od their construetion and repair, they will be managed, if not with greater skill, at least with ar more ceonomy, than if they were entrusted ot the agents of Government. M. Dupin has set thil matter ia the clearest point of view, in bis sta marks on the administration of the roads in Frase and England. In the former they are eatirdy under the control of Government; and the concequence is, that while there is a useless expenditure upon a few great roads, the cross ruads are alinust entirely neglected, and the facilities of intemal intercourse are incomparably inferior to ouss.
Sir Ilenry Parnell, who pullished the best reatise on road-making in the English languge,
\(10,000,000\) livres a-vear se objects; whereas hirynt cution of these repairs and ributions of foreed lathour, or han \(10,000,000\) liveres, (art. \(i t\).
swer, a great deal of labont and country roads of ting mestablished by the Aet if a continuanee is most probrthe want of any realy anans
overnment to furnish nswist--mation of roals and bridgery where they are nceeswary, required for their formation ohtainel. But it is lin sueh sirable, lu oriler to prevent eling deccived by interested those more immeliately eoarakiag should be bound to rable portion of its exprase. In the case of the ligglant 'cry recent perioul, large tract, wero quite inaceessible, and in a great measure slat on ent ; while the ruggel nature the poverty of the inhebitants it to construct improved rusd, ond their means. Under these rument camo forward adeaIf the expense of makiner roals In districts, on condition that thers interested should alvance that the work should be exerection of parliamentary comineers, This arrangement has ial. Through its means abore nt roads have been constructel; e of the casy mosas of commud, a spirit of improvenent has in the wildest and least-fte-
ems to have inclinet to the roads of a country wioul b , and more cconomically man aced under the control of to en they are left to he planned by private individuals, Bat not seem to rest on say grod perhaps, true that a fer of the a the principal towns of a counlaid out by goveniment surirveyors appointed by the geaerent counties through which ese great roads bear but a vert the totnl extent of cross and which every country cither is, ected; and, besides, it in abanit when the formation of the as in Great Britain, to the care by themsclves or their tesats greater part of the expense of and repair, they will be mangreater skill, at least with is \(n\) if they were entrasted io the ment. M1. Dupin las set this arest point of view, in his re istration of the roads in Frace the former they are entirely of Government; and the conse le there is a useless expenditure oads, the cross rosds are almos and the facilities of intemal mparably inferior to outs. nell, who published the bet aking in the Euglish languagh

HOADS
while he approves of the aystem of local trusts, | material abridgonent of the powers of the private whoses that measures shonld be taken for increas- trusts. goig the responsibility of the trustecs, and that every trast should be obliged to submit its ace counts to the inspectlon of some puiblic board. Wo we no doubt that this plan would be in severa pespets advantagcous. Perhaps, however, the whect in view, in obliging tristees to submit their aumunts to a public board, might be at tained by the ervetion of lueal tribumals for their inspection. We thould be extremely jealous of any plan, how adranageous soever in other respects, that might lad to the employment of government surveyors generally in the laying out of roads, or to any

Length of Roarls, Cost \&e. The total length of tho iliferent paved streets and turnpike roads in Fagland and Wakes amounts to nhout 20,000 miles. The expenditure by the trustees, on acconnt of these roals, in 1866 , amounted to \(1,071,7731\); the revenue for the sanso year boine \(1,053,0941\).: of the total expenditure, \(112,07 \mathrm{kl}\). went to defray interest of delbt. The length of the various eross roads and other highwass, exclasive of tarupikes, is estimatel at about \(0.5,100\) miles. In 1866, the expentiture on turupike roats in Scotlan 1 was \(201,907 \%\), and the revemue \(213, \pm 801\).

Statement extracted from the 13 th General Heport on the Turnpile Trusts of England aud North Wales, shouring the Comparative Condition of the Trusts in Fingluand und North Wules in the Year 1837, when the Mighest Amount of Rewrnue from Tolls u'ts received, and in 1819, 1861, and 1866 respectively.


Tolls.-In fixing the rate of tolls, grent care should be taken to keep them as low as possible. When they are either too much multiplied, or too hich, they have a very pernicious influence. They then eprerate as a most oppressivo and unequal tax on commerce; and obstruct that intercourse they are iutended to promote. The same remark is applicable to all sorts of dock anf harbour dues liahthouse dues \&c. When confined within duc bouads, they cannot justly be objected to; for nothing ean be fairer thian that those who bencfit by sach increased facilitics and security in the proseeation of their business shonld pay for them. But whenever they exceed the proper limits, they tempt the navigator to resort to ports where tho charges are lower, and to direct his courso through more insecure but less costly channels.
Improrement of Roads.-It is not easy for those accustomed to travel nlong the smooth and level roads be which every part of this country is now intersected, to form any accurnte ilea of the difliculties the traveller had to encounter a century ago. Roads were then hardly formed; and, in summer, not unfrequently consisted of the bottoms of rivalets. Down to the midalle of last century, most part of the goods conveyed from place to place in Scotland, at least where the distances were not very great, were carried, not by carts or Wagons, but on horseback. Oatmeal, coals, turt and even straw and hay, wero conveyed in this way. At that period, and for a lone time previously single-horse traffickers (cadgers) regularly plicd between different places, supplying the inhabitants with such articles as were then most in demnnd, as salt, fish, poultry, eggs, earthenware de. : these were uinally conveyed in sacks or baskets, suspeatled one on each side the horse. But in carrying goods between distant places, it was necessary to cmploy a cart, as all that a horse conld carry on his back was not sufficiont to defray the cost of a long joumey. The time the carriers (for stel was the name given to those who used carts)
usnally required to perform their journeys seems now almost incredible. The common carrier from Selkirk to Edinburgh, thirty-eight miles distant, repuired a fortnight for his journcy between the two places, going and returning. The road originally was among the most perilous in the whole conntry; a considerable extent of it lay in the bottom of that district called Gala-water, from the name of the principal stream, the channel of the water being, when not flooded, the track chosen as the most level, and casiest to travel in.
Even between the largest cities, the means of travelling were but little supcrior. In 1678, an agreement was made to rum a coach between Edinburgh and Glasgow, a distance of 44 miles, which was to be drawn by six horses, and to perform the journey from Glasgow to Ediaburgh and back agnin in six days. Even so lato as the middle of last century, it took \(1 \frac{1}{2}\) day for the stage coach to travel from Edinburgh to Glasgow-n journey which is now accomplished in 4 名 or 5 hours.
So late as 1763 , there was but one stage coach from Ediuburgh to London, and it set out only once a mouth, taking from 12 to 14 days to perform the journcy. Before the opening of the railways, by which they have been in a great measure superseded, there were, exclusive of steam packets, smacks \&c., 3 or 4 coaches which set out each day from Edinburgh for London, and conversely, performing the journcy in from 45 to 48 hours. (Robertson's Rural Recol. pp. 39-44.)
The effects of this extraordinnry improvement in the means of travelling, especially since the introduction of ralways, have been ns striking on the manners ns on the industry of nll classes. The remark of Smith, that 'man is the least transportable species of luggage,' is no longer true as applicd to Great Britnin. During spring, the metropolis is crowded with visitors of all ranks and orders from the remotest provinces; nnd during summer and tutumn vast numbers of the citizens are
sprend over the conntry. Hence it is, that manners, as well as prices, uro reduced nearly to the same standard. A respeetahle family lin lenzance or Invernens live very much in the ame way as a respectable fanuily in London. I'eculiarities of nll sorts have dismppenred; everything is, as it were, brought to a level; tho fashions and opinbuns of the metropolis are immediately diflised over every part of the country, while those which originate in the later powerfilly inthenee the former.

ROP'5 consists of hemp, hair \&ec. spun into thick varn, of which several strings are twisted together by means of a wheel. When mato very simall, it is called a cord; and whel very thlek, \(n\) ruble. All the different kimds of this manufneture, from a lishing-line, or whip-cori, to the cable of \(n\) thrst-rate shify of war, go by the general name of cordage. [Camle.]

ROSES (OIL, LSSENCE, or ATTAR OF). An oil obtalned by distilling the leaves of damask roses. It is limpid, of a light orange colour, and has an extremely sratefil und powerful perfunc. This, which is the most expensive article of Oriental lixury, used to bo principally made at T'unis and Ginazore in India. Isut thongh it be still very extensively produod at these placen, and more especially at the latter, what may be called the foreign demand for the oil is now nlmost wholly supplied by the districts of Jiski Zara and Ilassanlik in Bulgaria. There the culture of roses is carried on upon a very large seale. Inasmuch, however, ns it is said to require about 300,000 roses to yield an ounce of ail, the quantity produced does not exceed \(4,500 \mathrm{lb}\). in a grood and \(3,000 \mathrm{lb}\). in an ordinary year. 'Th' fennine article fetehes an enormous price; and is in consequence very generally, or rather, we should say, nniformty adulterated. When the adulteration is effected by means of the oil of feranimus and other fine volatile oils, the fraut is not easily detected except hy connolsseurs, unless the foreign matter be in excess. Sometimes it is alleged that attar of roses has been sold as genuine when above 80 per cent, of other oils was mixed up with it. That which is hawked about the streets of Constantinople and Smyrna is seldom anything better than olive oilscented with reses. Some of the more expert dealers in the article will tell within 2 per cent. the foreign oil in any parcel given them to examine. The value of the exports of this curious product from Turkey has been estimated at from 400,000 to 500,000 dollars a-year. (Blanqui, Voyage en Bulgarie, p. 230 ; Hunt's Commercial Mugazine.)

IROSEWOOD (Ger. rosenholz ; I'r. boisde rose, de Rhode; Ital. legno di rosa; Span. leño de rosa; Port. puno de rosa) is produced in Ibrazil ; the Cannry Islands; in Siam, whence it is pretty largely exported by the Chinese; nud in other places. It is in the highest esteem as a fancy woed. The width of the log imported into this country averages about 22 inches, so that it must be the produce of a large tree. Rosewood has a slighty bitterish, somewhat pungent, balsamic taste, and fragrant smell, whenco its name. It should be chosen sound, heavy, of the decpest colour, in the largest pieces that ean be procured, and of the most irregular knotty grain. The sumall, light-coloured and large shivered pieces should be rejected. The more distinet the darker parts are from the purple red, which forms the ground, the more is the wood esteemel. It is usually eut into veneers of nine to an inch. (Milburn's Orient. Com.; \&c.)
hosewood, which is one of the dearest as well as most beautiful of the funcy woots, is prineipally
used in veneering. Its consunption has in. ereased from about 277 toms in 1822 , to 0.8 in 1867. This inerease is prineipally owing to the alooltion of the dut ies. 'these, after belag redice. in 1826 from 10., to \(6 \mathrm{j} /\), per ton, and in \(1 \times 12\) to 11 ., wero repealed in \(\mathbf{1 8 4 t}\). Ilat is. per ton having been imposed on its import in 1860, this tax wis
 to \(101.12 \mathrm{~s}, 6 \%\), per ton.

BOSIN. 'Ihls substance is olotalned from different species of tir; ns the Pinus nbies, syllestr:s, lurix, halsamea. It is well known that a resinou; jnice exules from the Pinus sylvestris, or common Scotch fir, which hardens into tears. The same exudation appears in the Pinus abies, or spruce fir. I'hese tears constitute the substance calley thue, or frnnkineense. When a portion of the hark is stripped off these trees, a liquid juice flows num, which gradually hardens. The juice has ubtainad different names, according to the plant from whith it comes. The Piuas sylvestris yielis cominntr turpentine; the hurix, Venice turpeutine [ThiPENTINE]; the bulsamen, bulsam of Canada [ Halsam] Re. All these juices, which are comwealy distinguished by the name of turpeatine, are considered as compesed of two ingredients: wmely, oil of turpentine, and rosin. When the turgentiue is distilled, the oil comes over, and the rosin remains behind. When the distllation is continued to dryness, the residum is known bo the name of common rosin or colophoniam; but when water is mixed with it while yet fluid, and incorpornted by viocent agitation, the matis is called yellow rosin. During winter, the wouds made in the fir trees become incristed with a hite brittle substance, enlled barras or galipit, onsisting of rosin united to a small portion of wil. The yellow rosin, made by melting and agitating this substance in water, is preferred for most pue. poses, because it is more ductile, owing, pebally, to its still containing some oil. The ures of toin aro numerous aud well known.' (Thomsn's Chemistry.)
In 1867 we imported, chiefly from the Lnited States mud France, 696,117 cwt. of rosin valued at 371,7701 .; the average prices being from 114, to 11s. per ewt.

ROSTOCK. Long one of the IInnse towna and now the principal commercial city of the frand Duchy of Necklenburg Schwerin, in the Wamw, nbout 9 miles above where it falls into the Bahic,
 26,396. A large fair for marchandise is ammaly held at Whitsuntide; and there are wool tairs at other seasons of the year.

The outpert of Kostock is at Wamemunde, at the mouth of the Warnow. The depth of wate at the latter varies from \(10 \frac{1}{2}\) to 12 feet; but at the end of the west pier it varies from 12 to Hf fet. In the river from Warnemunde op to Rostok there is usually from 8 to 9 feet: so that vesils drawing more than this must be lightead to get up the latter. Rostock has a good hatbout and commodious quays.

Money.-Rostock and all Mecklenburg reckin by rix-dollars new, two-thirds of 48 sclilligs The rix dollar contains \(190 \cdot 1\) grains pure silve, and is worth nearly \(2 s .4 d\). ( \(2 s, 3 \cdot 8 d\).) sterling.

Weights.-The commercial weights are the sart as those of IIamiurg. There are, however, thet weights, introduced in 1757, which are a pet ceat heavier than the above. '1'hey are principuly used in the trade with Iiussia.

Measures. - The liostock foot \(=11.38\) Ens; inches. The ell \(=2\) feet. The last contains gi scheffels: the last insed in the measuting of atis \(=14 \frac{1}{2} \mathrm{imp}\). quarters \(=12\) hectolitres: the lat
weal in the measuring of other grain = 1.4 imp . | values of tio principal articles imported from guarters or \(3=\) as hectelitres. (Kelly's Cumbist.) Mecklenburg Schwerin intu the United King doun

consumption has in. tons in 1822, tu ios in principally owing to tho These, after belng reduce 1 jer ton, and in \(1 \times 12\) to \(1 \%\), 13ut 1s, per tun lntimg port in In 60 , this tax wa price varies from \(91.17 \mathrm{~s}, \mathrm{lif}\).
tance is obstained from difthe Pinus ubies, sy/vestr:s, well known that a resinous Pimus sylventrix, or commun ens into tears. The same tho Pinus abien, or aqtuce titute the suhatance enlem When a portion of the bark ces, a liquid juice thows obt. ens. The juice has oltained ding to the plant from which syluestris yields common symence turjentine ['Trisameet, bulsam of Canada these juices, which are comloy the name of turpentine, mposed of two ingredients; atine, and rosin. When the 1, the oil comes over, and the 1, When the distillation is , the residumm is knowa hy n rosiln or colophonima; but al with it while yet fluid, and olent agitation, the mas is Daring winter, the mound es become incrusted with ance, called barras or galipult, mited to a small portion of mil. ade by melting and agitating ater, is preferred for most pur. more ductile, owing prebably, if some oil. The nees of tosin a well known: (Thoms,n's
orted, chicfly from the United , 696,117 ewt. of rosin valued erage prices being from 10. to
1g one of the llanse towns and commercial city of the fiand bure Schwerin, on the Wamow, e where it falls into the haltic, \({ }_{20} 012^{\prime}\) E. Population, in \({ }^{\text {weit }}\). air for marchamtise is namally le; and there are wool fairs at c year.
Kostock is nt Wamemunde, at Warnow. The depth of watet from 10 f to 12 feet; but athe ier it varies from 12 to 14 feth hi Warnemunde up to hostok rom 8 to 9 fect: so that reseds an this must be lightened to Rostock has a good habout puays.
ck and nll Meeklenburg reckna ck two-thirds of 48 sel ilings ftains \(199 \cdot 1\) grains pare silves itains 19 . (2s, \(3 \cdot 8 d\).) sterling. commercinl weights are the ame ura. There are, however, etha ed in 1757 , whith are 5 per ceat ed in trar, Whey are prineiphty with liussia.
he 1ostock foot \(=11 \cdot 38\) Eas \(=2\) feet. The last coatains 90 \(t\) used in the measuriag of oals rters \(=12\) heetolitres: the hast
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Trincipal and other inticles} & \multicolumn{4}{|c|}{Quountider} & \multicolumn{4}{|c|}{Computeil lieal Value} \\
\hline & 1461 & 18. & 1ヵ6\% & 1567 & 1465 & 185\% & 1565 & 1467 \\
\hline \begin{tabular}{l}
Bone of animals and fish (bscy, whaletuns) \\
: toms
\end{tabular} & 660.795 & 617,6.65 & 73,3,171 & 65t.8.88 &  & 357, \({ }^{\text {Sin }}\) & \[
\stackrel{4}{4}
\] & \[
\underset{\substack{4,37 \\ 90,370}}{\underbrace{}_{1}}
\] \\
\hline  & 1.560 & 8,610 & y,649 & - & 350 & hiv & 1,43.3 & 0,370 \\
\hline other kind krais of corn \({ }_{\text {amt }}\) & 4.45, 416 & 3.450 & 2,183 & 89,859 & 1,14 & 1,
8,171
8,143 & \({ }^{959}\) & 1,3,1581 \\
\hline  & & \(\because\) & 4,453 & (1) & \(\because\) & 8,4\% & 6, 6,71 & 1, 180 \\
\hline Miluther afticlen - value & \(\because\) & . & \(\cdots\) & .. & 1,128 & 4,793 & 461 & 2,627 \\
\hline Total & . & \(\cdots\) & - & \(\cdots\) & 811,194 & 31.6149 & 16.3, ¢ifi. &  \\
\hline
\end{tabular}

The value of the total direct exports from this country to Mecklenburg, though increasing, is much less considerable, having been in 1867 90.8381.

Imports.-The principal articles of import are refined sugar, coffee, and other colonial products: antons, woollens; with iron and hardware, coal, enthenware, salt, horses \&e. from England; hemp thax, tallow, oil, sail-cloth de, from Russia; alum, deals, timber, lime, tar \&e. from Siweden; herrings and fialt sil trom Norway; wine, brandy, molasses, dulus de. from France; with rice rum, groceries \& ©fom Copenhagen and Hanburg. The total value of the imports by sea may be estimated at abolt 300,1000 .
Exports.-These eonsist ehiefly of very food sed wheat, with smaller quantities of barloy, pens, rapesesch, and oats; wool, rags of a superior quality, nil cake, rape oil, bones \&ce. At an areage the value of the exports may be estimated at \(600,0000\).

Shipping,-The port of Rostock lıad, in January l8i8, 390 ships, 376 of which measured 4, 75 lasts or 149,325 tons. 'These trade with most European dations, the United States, and 13razil.
at the beginning of the same year Wismar hal 5 i ships, of which 53 measured 6,502 lasts or 14,306 tons.
Port Chargex.-These on a vessel of 100 tons burden are as follow, viz. : -

Invand with cargo
Thatrard ditto
Invard \(\ln\) ballast
Cuterard dita
Ditto muthut eithe
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{2}{|l|}{Privileged} & \multicolumn{2}{|l|}{Not Privileged} \\
\hline rix dol. & sch. & rix.tol. & sch. \\
\hline \({ }^{10}\) & \(4{ }^{2}\) & 10
32 & \({ }_{6}\) \\
\hline 12 & 6 & 12 & f \\
\hline 19 & 96 & 31 & 11 \\
\hline 17 & 4 & 43 & 42 \\
\hline
\end{tabular}

Duties.-Previons to the annexation of Mecklenburg to the Jrussian Customs Union, these were extremely moderate. On most imported artieles they amounted to only 3 per cent. ad valurem. An export duty of about \(5 d\). per quarter was charged on corn, and of abont 4s. 8d, per haveshead on wine. Wool was not subject to any duty on export. Goods imported in vessels mit privileged paid 50 per cent. additional on the ahose duties; that is, they paid 4\(\}\) ins.ead of 3 pet cent. al valorem. For existing duties seo Loldveazis.
Wismar, the second sea-port town of Mecklenbarg, at the contluence of the river Stor with the sea, in lat. \(53^{\circ} 53^{\prime} 5^{\prime \prime}\) N., long. \(11^{\circ} 2 \mathbf{i}^{\prime} 7^{\prime \prime}\) E. Population 13,133 in 1864 . The harbour of Wismar is commotious and safe, being nearly landlocked by the islands of Poel and Walfisch. Close to the town there is from 8 to 8 f feet water; in the iuner roads there is from 12 to 13 feet; and in the outer from 15 to 20 feet. Tho port charges on a native or privileged vessel of 100 tons amount to ahout 30 rix-dollars. The articles of import and export are the same at Wismar as at hos-
tock; but owing to the proximity of lubrek, from which Wismar is hot more Chan 27 miles distant, her foreign trado is comparatively limited.

General Remarhs on the Trude of the Duchies,-Mecklenburg is essentially un agricultural, woolgrowiag, grazing, and breding comutry. In anme places it is sandy and harren; but it is for the most part fertile, and the crops and pastures areboth luxmriant. Having few mamitactures, her imports necessarily consist principally, as already stated, of manufartured goods, and her exports of raw produce. Owing to the eircumstance of the sonth-western part of the provinco being bounded by the libe, and approaching to within 30 mile of lamburg, most of the mannfaetured goods, na well as a large proportion of the colonial productnsed by the population ( 560,123 in 1867), art imported by way of JIambarg. Hence, in Mecklenburg, as in l'rnssin, the direct foreign trade carried on by the sea trontier forms but a limited part of the entire trale of the conntry. It is inpossible, however, to form ony precise estimate of what the latter may amount to. Irobably there was no European country so little fettered by customs regulations as Mecklenbirg, down to its ineorporation in the Zollverein. The duties on articles imported by sea amonuted only, as already stated, to about 3 per cent. ad valorem; and those entering by tho land frontier were subject merely to a tritling charge, on account of toll, of which we liave not seer any necoturt. It is impossible, indeed. that any commercial system could be bottomed on more liberal principles; ant this enlightened policy, and her situation near the month of the lilbe, and on tho western frontier of the Prussian League or Zollvercin, gave to Mecklenburg far greater ìmportance, as a commercial state, than was indicated by the amount of her population, or lier internal consumption.

ROTTERDAM, on the north bank of the Macse, in lat. \(51^{\circ} 55^{\prime} 19^{\prime \prime}\) N., long. \(4^{\circ} 29^{\prime} 14^{\prime \prime}\) E. Population, December 31, 1863, 112,728. Rotterdam is the second commercial city of IIolland. It is more advantageously situated than Amsterdam; being nearer the sen, and the canals whieh intersect it are so deep as to admit of the largest vessels coming up to the quays and warehouses of the merehants. Its commerce, during the last 25 years, has increased more rapidly than that of any town in Holland. 'The exports and imports are similar to those of Amsteriam. The white Zealand wheat shippel here is of a peculiarly tine quality ; and it is the best market for madder and geneva. Our imports of madder from Ilolland in 1867 amounted to \(20,24 \cdot \mathrm{cwt}\)., most part of which came from Rotterdam. [Madder.] Geneva is sold by the nam; but it used, for the convenience of smuggling to England, to be divided into ankers and \(\frac{1}{2}\) ankers. The legitimate imports of
geneva from Itollmul in 1 sia7 nmounted in 237, 80: galloman, Roteriam has a regular and frepuent interconrae, hy means of ateanern, with London, Liverpool, Ituil, Beith, Hayre, Hamburg de.
N.II, -The channel from the sea to Rotterdam in exthibited lin then eliart of the Duteh connt in the map of E:urope in this work.
The works to improve the rea entrance fur lesterdum, earried oint oul Government neconint, were aturted in Isti3. They are estimated to cost
 bell apent. The works are to be fllished this y ear (1869).
 moneye, weifhter, and measures of llothmel.
'Iwo ditterent commercial thes. were furmerly used at Roterdam: one was the Amsterdain weight, 100 Hb , of which \(=10 \mathrm{~s} \cdot 93 \mathrm{lh}\), nvoirduplois; the other, used by retailers, was b per cent. lighter, 100 lb . of it being \(=103 \cdot 18 \mathrm{lb}\). avoirdupois.
 bushels.
The nam \(m 10\) English wine gallonn very nearly. A hogkhead of Ilax-aed containg fromi fit to \({ }^{\circ} \times\) Winchester bushels. liock salt is mohli jer preal humired of t0: manten, constaining from 21 to 32 tonm. Conls per hoed \(=\$\) a chalifron of Now: cantle.

The liguld mensures were divided in the name manner na at Amsterdam, but were larger than
 gallans. Itrandien wero nohl per 30 viericta Whale ofl 1 ber 90 stowps; vergetable oils pere 300 stomps.
Thu ell in the rame an at Amsterilom, limfert of Rotterilanis \(=1092\) feet of Amstorimm, if ligz English feet.

We borrow from Sir 1:. F. 'Turine'n Comaular Report of Xpril 29, 18 is, the following aceount of the linports and stock of the principal artielen of commeree at liotteriam during the years 1865 1866, mal 1867.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Aricles} & \multicolumn{3}{|c|}{Imported during} & \multicolumn{3}{|c|}{Stacts on Decemive 31} \\
\hline & 1803 & 1866 & 1867 & 1465 & 1566 & \(186 ;\) \\
\hline Hides, East lndia cow and lmatfoto No. & 150,931 & 106,600 & 108,300 & 16.46\% & & \\
\hline Coton, Nortil Atmerica: \(\quad\) bales & 10,115
f, 110 & 12,0104
45.610 & (110, & 13,593 & \[
\begin{aligned}
& 10,(k y) \\
& 10,
\end{aligned}
\] & 6,411 \\
\hline Weat India dc. - - ", & ns, & 101, (10) & 99,6ino & 4,04\% & 2,1,9 & 1, 10 \\
\hline Coffer, Fiat ladia - boks & 411.460 & . 313.384 & 427, 8100 & 9f, Wek & 8, M141 & 1,180 \\
\hline Pepper West Indla : : " & 28.460 & & 7,900 & 0, wn & 2,760 & 3 3, (x) \\
\hline pepper jetroleum : \(\quad: \quad\) caiks & 1, 5,1819 & 41,176 & 107. \(1: 40\) & 8, 6 & 1,300 & 3,701 \\
\hline Mure, Esat India - bask & 106\% \% \(_{\text {ch }}\) & Sis, 0 (6) & 51, \(3,0 \times 6\) & 2,200 & 4,3010 & 3 \(3,10 \mathrm{tan}\) \\
\hline Nalportre, Chill - - " & 11,127 & 24,193 & 16,661 & 5,177 & 10,005 & \\
\hline Nugir, llavannalı - caves & & 3,24N & & & & 15, \({ }^{\text {a }}\) \\
\hline  & \({ }_{215,5811}^{8.5}\) & 191,488 & 169, \({ }^{2318}\) & 8.51
32.159 & 2191 & ior \\
\hline sundrice *ales and mats & 12,415 & 10,137 & 6.303 & 32,1067 & 21, \({ }^{2} 101\) & 10,387 \\
\hline of ail dewripulons combined hints. & 378.5 & 4.31 & 1.59 & 85 & & \% \\
\hline of ail denerfpions combined hims & 47,761) & 4,446 & 87,04n & 7,11901 & \(0,1(6)\) & , l , \\
\hline  & 2,964 & 7,\%8\% & 6,790 & 8, 1964 & 2,231 & 953 \\
\hline sumdries jave. pulaster & (0, &  & 83,603 & 1,977
\(\mathbf{9 6 4}\) & \% 2.791 & 94. \\
\hline Ter, of all descrjutions - \(\frac{1}{\text { a }}\) - clicata & 22,9\% & 18,460 & 25,400 & \(7.96 \%\) & \% 8.1 (a) & 18,48
1.9 \\
\hline Tin, llanca & 105, \(\mathrm{KN1}\) & 01,12.3 & 60,121 & 85,900. & 25. 2.2 .5 & \(1,8 \%\)
10.474 \\
\hline
\end{tabular}

Tares and Allouances.
\begin{tabular}{|c|c|c|c|}
\hline Arrictes & Tares & Drans & Allow. ances \\
\hline Colfee I & & per cent. & prex cat. \\
\hline  & 6 per cent. & 1 & 1 \\
\hline Hlourbon \({ }^{\text {a }}\). & 10 tb. per bule & 1 & 1 \\
\hline Mocha &  & 1 & 1 \\
\hline Jiva & 14 lin prer bate of \(_{270 \mathrm{lb} \text {. }}\) & 1 & 3 \\
\hline Sugar : & & & \\
\hline Jamaica mutinam &  & 1 & 1 \\
\hline E.ant Indla, in bapt \({ }^{\text {la }}\) & 10 & & \\
\hline liare chests below 4 ! & \({ }^{\text {80) }} \mathrm{lb}\), per client & 1 & 1 \\
\hline \(\mathrm{a}^{\text {a }}\)-vve & 13 pet cent. & 1 & 1 \\
\hline \(\left.\begin{array}{l}\text { Marfinique } \\ \text { St. Domingo }\end{array}\right\}\) & 18 per cent. & 1 & 1 \\
\hline Cotton & 6.1 & & 1 \\
\hline 1 Itiles, Huens Arres & 8 lb. per hade & & \\
\hline Tohacco, Virginda & \(3_{3}^{3} \mathrm{jur}\) sent. & 1 & 3 \\
\hline Pimerto - & real tare & 1 & 1 \\
\hline Indigo. & 3 3er cent. & 0 & , \\
\hline Peppet - & \$ \({ }^{\text {S }}\) ib. per bale & 0 & 1 \\
\hline Madiers & real taro. & 0 & 1 \\
\hline
\end{tabular}

With the exception of the shipping interest, the trade of Rotterdam, and of Holland generally, is now, on the average of years, in a comparatively flourishing state. The judicious management of the Netherlands Bank, the only establishment in the country authorised to issue notes, and the prudent conduct of the merchants, caused her to be comparatively little affected by the crises of 1857 and 1866, though she suffered in 1866 and 1867 by the stagnation consequent on the war in Germany and the commercial crisis. The depressed state of the shipping interest in particular is a consequence partly of the extremely injudicious enenuragement giren by Government to the traling company, but far more to that mania for
ship-butilding which prevailed for some rears in Hollanul, as it did here and in the United States, Hence thero is overywhere a glut of shipping: and it is idle to seek, in want of reciprocity, anything elso than this, a reason for the low rate of freight, and the inadequate demand fur shipping, so universal during the last two or there years. On Jannary 1, 1867, the total Netherlands mereantile marine comprised 2,178 ships of \(270,0+2\) tons (Report of Mr. Secretary of Legation Ward of Feluruary 15, 1867). It may be worth while to mention that the iron steamers built here and at Amsterdam are said to be quite equal to the best of those built on the Clyde and the Thames For a detailed account of the trade of the Linted Kingdom with Holland down to 1800, set Aasterdam.

By way of supplement we add a statement of the value of our imports from and total exports to IIolland in 1866 and 1867 :-
\[
\begin{aligned}
& 1860 \\
& 1567
\end{aligned} \quad: \quad: \quad \begin{gathered}
\text { Imports } \\
11,768,913 \\
10,522,32 \%
\end{gathered}
\]

In the first ten months of 1868 , Mollana imported from Java \(84,261,000\) ponits of raw surpr, \(52,213,000\) ponds of coffee, \(12,103,000\) ponds of tice. and \(1,586,000\) ponds of tobacco, showing a decrease in her supplies from that colony in all these items, except sugar and rice.

RUBY, A precious stone, very highly estemed; but under this namo a variety of minerals have not unfrequently been sold, which differ essentially in their charncters.

The Oriental Ruby is, in fuct, a red rariety of the sapphire. When perfect, its colour is a cochineal red, presenting a richness of hue the most
corn m 10.642 Whinheater
whe gallone very nearly； ol contains fromi 7h to＊ rek sait is meld per great contafilug from 21 tu 告。 －a a clatiliton of New．
were divided in the mame n，but were largur ：thu＂， were \(=677\) Emgliwh winc e sold jur 30 viertels： a ；vegetable oils per 364
at Amsterilam．L09 fert et of Amsterdam，of bit

F I．F．＇Turines＇s Consular \(x\) ，the following aceount of of the principal articlen ot m during tho years 1865 ，

Stocks on flecember St
\begin{tabular}{|c|c|c|}
\hline 68 & 1866 & \(186 \%\) \\
\hline yfiz & ［16，6，50］ & s，315 \\
\hline 393 & 110，\((1 \times 3)\) & 4，914 \\
\hline ixs & 2,150 & 1，位 \\
\hline （0） &  & 6\％，\({ }^{(0)}\) \\
\hline ， & ir33 & S． 101 \\
\hline ii & 8,31010 & 3 \\
\hline ［177 & 10,003 & 13，113 \\
\hline est & ＇i91 & ＂410 \\
\hline ，159 & 21， 41 & U，\％ \\
\hline & 1，154 & \％，91 \\
\hline 1 & s，iom & 1， 1 （1） \\
\hline ＋ & 2， 2,31 & y， 3 \\
\hline C，977 & \％ & 14．194 \\
\hline （96is） & q．f（x） & 1， \\
\hline ， & 2．5．2． & 14，59\％ \\
\hline
\end{tabular}
prevailed for some rears in cre and in the United States， rywhere a glut of shipping： ck，in want of reciprocity，or his，a reason for the low rate inadequate demand for ship－ luring the last two or thre 1,1867 ，the total Netherlands mprised 2，188 ships of 200，042 Sceretary of Legation Wanh， ）．It may be worth while to in steamers built here and at to bo quite equal to the bext he Clyde and the Thanes． It of the trade of the Cinited olland down to 1865 ，se
ment wo ndd a statement of ports from and total exports and 1867：－

\section*{ \\  \\ }
months of 1868 ，Holland im－ \(4,261,000\) ponds of raw surar， coffice， \(12,103,000\) ponds of rice． \(s\) of tobacco，showing a de es from that colony in all these and rice．
s stone，very hichly steemed： he a variety of mingrals have en sold，which differ essenaially
\(b y\) is，ia fact，a red rariety of en perfect，its colour is a cochi－ －a richness of huo the most
expuiste and murlwalled，it in，however，in gene－ tal，mure of loss pale．＇The hlue varinty，or map－ phis，fo fremently met with；but the most vali－
 Jewellers the pigeon＇s blomi，whilh is a pure deep red ped，without any admixture of line or yellow． I rully of I earats is worth from dote，to dions．It Wharider than any other mineral，exeept the dia－ mand，basily fraugible．Specitie kravity from anio to thexit，Infuslble before tho hlowpipe， Oricutal zubles of to earats are extremely rure and yaluatile．One of \(2 \%\) grains has heen sold for boid．linhics in lots，Indian ent，or small alizes，and of liflerent qualitien，are at all times to be hati，wnid sell at from tos，to tijas，a carnt；lint a perfect stone of a earat，of 6 grains，may le deemed rare，and falls little short of the value of the diamond：may， in some cases，rubles of 2,3 ，or 4 carnts，if very fine，are much surcer，and even more valumble， than diamonds of equal weight．The tinest ruly in linglad，or perhape in burope，was in the conlection of the late Mr．Hope，the author of ＇Inastaslus．＇
There are two other stones rexembling the ruby， called the Spinelle and Baluis rubies，but Mr． Emanuel states that they are stones of an entirely dilitrent nature aud form of crystullisation．Ile whe that the torms ruby and carluncle wore in awdent times applied indiseriminately to all red atopes．Its colour is a the full earmine or rose rad，but it never presents that rieh mellow tiage attending the Oriental ruby，It is also inferior to the latter in harduess and specitie gravity． Stones of 3 carats and upwards are rure aid raluable．
Tho so－valled Bulais Ruby is a pale variety of the Spinelle．It varies in colour from light ratl to yellowish rod．Though not so rare as the Spinelle，it is by no means common．It is much adaired for its agreable tinge of colume； and，when pure and perfect，fetclies a high prie，though considerably less than the other varieties．
liubies aro not found in any considerable quan－ titre exeept in Ava，and the very finest are Bur－ mese．lieace，ono of the titles of the King of Burmah is Lord of the linbies．［SAPrumb：．］ （Mawe On Diamonds，2nd ed．，pp．90， 101 ；Ema－ nuel On Precious Stones，1p．104－7；Thomson＇s Chemistry．）
liUSl．A well known and highly esteemed spiritunas liguor imported from the West Indies， of which it forms one of the staple products．It is obtained by menns of fermentation and tistilla－ tinn，from molasses，the refuse of the cane juiee， and portions of the cane，after the sugar has been extracted，The fiavour and taste peculiar to rum ote denived from the essential oils carried over in distillation．When the distillation has been care－ lessly performed，the spirit contains so large a quantity of the grosser and less volatile part of the oit as to be unfit for use till it has attnimed a con－ siderable age．When it is well rectitied，it mollows much sooner．Rum of a brownish trausparent culour，smooth oily taste，strong hody and consist－ enee，good age，and well kept，is the best．I＇hat which is clear and limpid，and has a hot puagent taste，is cither too new，or mixed with other spirits Jamaicn rum is the first in point of quality；the Jeeward Jsland rum，as it is called， being always inferior to it，in tlavour，strength， and value．The price of the latter is usually 20 per cent．below that of the former．We imjort slmost all our rum in puncheons，containing frou 81 to 90 gallons cach．It is customary，in some of the West ladin islands，to put sliced pine－apples in puncheons of rum：this gives the spirit the
tlavour ci the fruit \(\ddagger\) and hence the deaiguation， pine－apple rum．
litin is also produced In and imported from the Mauritlus and the Biast ludiea．Hut that of tho latter is more nearly allied to arrack than to genuline rim．

Gunn is mald to be much adnlterated by the retall ilealers lin linghond，mometimes with com splrit；but if done will molas aen＊pirit，the tastes of hoth are so wrarly allied，that the elient is not casily discovered．

Comanmption of，and Duties rpon，Hum fre－ The following taliles show the prantities of pum consnmed in thes luited Kilusdom at diflerent perlods slince 1821 ，the rates of duty charged 1 poil it，and the produce of the duties．

Accomat，atuted in Imperial I＇roof Gollons，of thr Ram annually entered firr Ilome Cimsumptiom in the United Kimgilom，from 189.4 to \(1 \times 12\) and \(1 \times 50\) to 1867 buth inclusive，with the Rutes of Duty payable thercon，nud the I＇rodnce of the Duties．
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{Yeara} & Hetained fur Con－umption & Hate of Duly per Ital． & \multirow[b]{2}{*}{Nett Produce of the Dutles} \\
\hline & United Kingiom & United Kinglont & \\
\hline 1824
\(18 \% 5\) & \％\％ats & if \(\begin{array}{ll}\text { it } \\ \text { if } \\ \text { it }\end{array}\) &  \\
\hline \({ }_{1 \times 24}^{1825}\) & 2，093， \(4,306,316\) & 80 &  \\
\hline 1×27 & 3， \(2 \times 8 \times 1,6019\) & &  \\
\hline 1xis & 3,787661 & & 1， 903,163178 \\
\hline 1849 &  & & \(1.1 .31,78.20131\) \\
\hline 18.30 & 3，6：5， 3.4 & 90 &  \\
\hline jnTM & 3，513，963 & \(\cdots\) & 1，580，380 \({ }^{1}\) \\
\hline 14，33 & 3，49\％，193 & 90 & \(1,570,7978\) \\
\hline 18.31 & 3，315，177 & 90 & 1，405，159 6 \\
\hline 18.15 & 3，416，966 & 90 & 1，537，59． 18 \\
\hline \({ }_{1 \times 37}^{18.818}\) &  & \(\begin{array}{ll}9 & 0 \\ y & 1\end{array}\) & 1，496，1．35 14 \\
\hline ［n，3\％ & 3，13，5，5is & 90 & 1，i11，1fiti 0 \\
\hline 10.09 & \(\mathbf{x}, \mathrm{N}, 30,463\) & （To May \({ }^{9}\) 5 \({ }^{\text {a }}\) & 1，973，627 0 \\
\hline 1810 & 2，512，960 & \(\left\{\begin{array}{ccc}9 & 11 \\ \text { From，} \\ 9 & \text { do．} \\ 9\end{array}\right\}\) & 1，153，613 0 \\
\hline 1841 & \％，977，970 & － 90 & 1，063，087 0 \\
\hline 1812 & 2，107，717 & Cirent infitain &  \\
\hline 1856 & 3，121，0\％\({ }^{\text {c }}\) & x \(x\) & 1，309，113 0 \\
\hline 1457 & 3，397，113 & v. King itum & 1，378，211 0 \\
\hline 1858 & 3，427，415 & \[
\mathrm{A}_{8} \mathrm{rrl}_{2} 19
\] & \[
\begin{aligned}
& \text { Nett } \\
& 1,39 f, 0 \times 7
\end{aligned}
\] \\
\hline 1859 & 3，303，6x0 & & 1，134，796 0 \\
\hline 1860 & 3，749，171 & \(\left\{\begin{array}{ccc}8 \\ 8 & 3 \\ \text { July } \\ 10 & 8 \\ \hline\end{array}\right\}\) & 1，69\％，173 0 \\
\hline 1861 & 3，452，373 & － 10 & 1，736．514 0 \\
\hline 18.818 & \(3,30,356\)
\(3,119,1016\) & & \(1,687,490\)
\(1.738,022\)
0 \\
\hline 1861 & 3，730，316 & 102 &  \\
\hline 186＇s & 3，604， 4.3 & & ］，979，63z 0 \\
\hline 1869
\(186 \%\) & \(4,124,115\)
\(4,516,0,5\) & & \begin{tabular}{l} 
8，097，803 \\
\(\times, 191,916\) \\
\hline
\end{tabular} \\
\hline
\end{tabular}

Thongh rum has not been so much over－taxed as brandy，geneva，and wine，still it is pretty ob－ vious that，even in its case，taxation was carried beyond its proper limits．During the 3 years end－ ing with 1802，when the duty in Great Britain was about 0s．per gallon，and in Ireland 6s． \(83{ }^{3}\) ．，the consumption of the United Kinglom anounted to \(3,150,000\) gallons n－year：while，notwithstanding the freat increase of jopulation，during the 3 years ending with 18：3，when the duty in Great Britain was \(13 s .11 \frac{1}{2} d\) ．per gallon，and in Ireland \(12 s .83\) d．， the annual consumption amounted to only \(2,307,000\) gallons．The reduction of the duty in 1826 to 8 s .6 d ，increased the consumption from abont \(2,500,000\) to about \(3,500,000\) gallons．

The falling off in the consumption in 1839 and the immediately subsequent years was not owing to the trilling addition of \(4 d\) ．per gallon then made to the duty，but to the searcity and high price of rum itself．

From 1800 down to 1813，the duties on rum in Ircland were much lower than in Britain，and the
consumption in the former appears then to have the only exense (and its valility wos very den been much greater than afterwards, when the liul) for the duty on spirits having heen less daties were raised in Ireland to the same level as them than in England. No such pretenee co here. But though thero ean be no manner of bo put forward fur varying tho duties on ru doult that the inerease of duty in areland tended fand it would be in all respects quite \(n \leqslant\) reasunat to reduce its consumption, we have no idea that it did so to anything like the extent which appears on the fine of the account. The truth is, that while tho duty was lower in Ireland than in Britain, rum was extensively smuggled from the former into the latter; and this smugeling hasing ceased when the duties were equalised, the apparent, though not the real, oonsumption of rum in Ireland, was proportionally diminished.
In 1847 Government was indueed, in complianee with the representations of the West Indians, to assimilate the duties on eolouial rum to the duties on home-made spirits, which varied in the lifferent divisions of the United Kingdom. Jhat the facility with which clamestine distillation may be carried on in Scotland and Ireland was subjoin-
An Account of the Quantities of Rum Intorted into the United Kingdom, Exported as Merchandise delivered from Ships' Stores, and for the use of the Navy or Army, with the Quantities retmine for IIome Consumption, the Ratcs of Duty chargectle thercon, and Nett Amount of Duty recited in each Year from 1813 to 1867, both inclusivc.

Account, shouring the Quantitics of Rum Imported into the United Kingdom in 1867, the Countries whence they camc, the Finiries for Consumption, with the assumei Prices at which their Values wore estimated, and their Values.
\begin{tabular}{|c|c|c|c|c|}
\hline Countries whence lmpiorted & Imports & Entries for Consmmption & luates of Valun1mports & Total Value of lingorts \\
\hline Cuba - & proof gals. 748,524 & proor gals. \(41,111 \%\) & \begin{tabular}{ll} 
3. \\
1 & 9 \\
\hline
\end{tabular} & \({ }_{63,470}^{\text {E }}\) \\
\hline Intch Ciulanas & 36.231 & 13,969 & & 3,603 \\
\hline Mauritius & 262,374 & 45,776 & 17 & 211,659 \\
\hline Portn Rica - & 27,14: & 2.105 & 19 & 2,3ifi \\
\hline Straits Setilements & 89,507 & 57,309 & 1 is & 7,393 \\
\hline Mritinl West India Is
lanis & 2,742,121 & 1,688,939 & & \\
\hline Brith Gulana - & 4,846, 4; 3 & 2,078.8.30 & 19 & 253,072 \\
\hline Other Parts & 72,024 & 10,25\% & 171 & 5, 858 \\
\hline Mized in Hond & - & 377,963 & - & - \\
\hline
\end{tabular}

The following were the prices of rum in bad it London, in Sept. 1868:-

\section*{Rum in hand (duty 10s. 2d. per gal.) \\ 30 to 36 , per ct. 0 . \\ 31024 \\ jemerara pirsoof \\ leeward lyland, \\ East india, proof
Foreign, 5 to 10 per}

Rum may not le imported unless in shireds tons burden at least, and in casks or ofler reste capable of containing liquids, each of suchesw or other vessels being of the size or content d. callons at the least, and duly reported of in an bottles or stone bottles not exceedine the ine of threc-pint bottles, aud being really part of the cargo of the importiner ship; and duty repotid \(16 \& 17\) Vict. c. 107 s. 14. )
Before any rum shall be entered as bing the
nd its validity was very donhton spirits having been less in land. No such jretence could r varying the dutios on rum; all respects quite at reasomable es on the brandy, tea. and surar and Irelaud below the linctioh on rum. 'The scheme, in fact, nor less than a clumsy, undercompensate the W'est lolians, to do so, for some small purtion ? which they have been the rioad, therefore, to have to sill that \(5 \dot{5}\), the duty on rum in scotland 3 level of that in Engrland, of to ; and in 1858 (trom April 19 in Ireland was, also, raised to the hat, both in respect of home and foreign spirits, the duties are igh increased in the interval, the s of the United Kingdom, We
ngdom, Exportel as Merchandise, rmy, with the Quantities retained ud Nett Amount of Duty receitet,

ng were the prices of rum in bood is pt. 1868:-
duty 10a. 2d. net gal.
not be imported unless in ships (i) at least, and in casks or other wew ontaining liquids, etch of suchas els being of the size of content d. e least, and duly reported, or in 2 as ne bottles not exceetmg the :2, d ottlee, and being really part on importing ship; and duly repotit t. c. 107 s. 44.\()\) rim shall le entered as bing the
produce of any Ibritish possession abrond, the miser a certificate of origin to the coltector or fomptroller that the goods are the produce of wiplace. ( 16 \& 17 Vict, c. 107 s. 78 \& c.)
X.b,--lhe duty upon all kimels of rum, whether fom luritish possessions or from foreign ports, of direct importation, is now 10s. 2d. per proot sillon : if not imported direct, 10 s . 5 d . per proot rilloa; and there is now no differential duty Lutren England, Scotland, and Ireland.
kLDSlA COML'ANY. A regulated company originated for condncting the trade with Kussin. It was tirst incorporated by charter of Philip and Mary, stnetioned by Aet of l'arliament in 1566 . The statute 10 \& 11 Wm . WII. c. 6 enacts that britis' subject desiring admission into the Kusia Company shall be ndinitted on paying \(5 l\); and every indivilual admitted into the Company onducts lus business entirely as a private adreaturer, or as he would do wero the Company divised. In trutli for business purnoses this Company lus ceased to exist, its only meeting wo being an annual social gathering.
KCSSIA LEATHER (Fr. cuir de Nussie ; Ger. juchten; Ital. cuojo di Russia; Pol. jachta; Russ. vouft: Span. chero de Moscovia). 'The tanned hides of oxed and other kine. denominated by the hussians youfts or juffs-a designation said to be derived from their being generally manufactured in pairs. The business of tanning is carricd on in most towns of the empire, but principally at Moseow and Petersburg. Russia leather is solt, has a strungly prominent grain, a great deal of lastre, nad a powerful and peculiar odour. It is nine pally either red or black: the former is the lest, and is largelv used in this and other countries in bookbindiug ; for which purpose it is superior 10 every other material. The black is, however, in rery extensive demand in hussia; large quantifies being mado up into boots and shoes. The proces followed by the lussians in the preparation if this valuable commodity has been trequently dexeribel; but not withstanding this circumstance, and the fact that foreigners lave repeatedly enfaged in the business in Russia, with the intention If making themselves masters of its details, and undertaking it at home, the efforts made to introduee tha maunfaeture into other countries have litherto entirely failed. One of the best tests of genuine Russia leather is its throwing out a srong odour of burnt lide upon being rubbed a little. (Licard, Traité Gineiral du Commerce, tume i. p. \(2 \overline{2} 5\). ed. \(17 \times 1\).)
We turrow from Mr. Borrisow's work on the Commerce of P' Pctersburg the following details with mapect to ilis article :-Russia leather forms one of the principal export commodities of Petersburg. Bint siace the ports of the Black Sea have been opened, the exports of leather from this port hare considerably decreased; Italy, the princital consumer, supplying its wants from Odessa and Taganrog more ensily, cheaply, and expeditionsly than frem Petersburg. The chief exputation from the later is to l'russia, Germany, nid England. lirankfort on the Maine and Leipzig are of great importance as respects the trade ia Russia leather, on account of the fairs held in them.
Juffis are never bought on contract, but always on the spot at cash prices. It nevertheless often happens that agents, in order to sceure a lot of jutts, pay a certain sum in ndvance, and settle for the anneunt it the tirst market prices; no prices
being fixed in the months of Jamary, Felruary March, and sometimes even April.
Juffs are assorted or bracked when received. according to their different qualities, into ciace. Rostul, Malja, and Domashna. The first three sorts are again divided into heavy and light Gave, heary and light Rostal \&c. Domashua is the worst, and consequently the cheapest sort. It often lappens that julls are bought unassorted, and then the prices are regulated accorling as the quantity of Domashua contaned in the lot is grenter or less. l'ersons well acpuainted with the nature of liussia leather prefer purchasing it in this state.
Juffs are suld by the pood, which consists, as it, is cominonly expressel, of \(4,4 \frac{4}{4}, 4 \frac{1}{2}, 5,54\), and \(5 \frac{1}{2}\) hides. By this is understood that so many lides make a prod, calculated upon the wholo lot; nal it is to be observed that tho lightest julfis are estecancd the best in quality. Ifeavy juffs, or those of 4 and 44 bides, are shipped for Italy: the Germans, on the contrary, preter the lighter sort.
Juffs are packed in rolls, each containing 10 lides; and from 10 to 15 of these rolls are packed together in a bunde, which is well secured by thick matting. There are rell, white, and black jufls; but the red are most in demand. Their goodness is determined by their being of a ligh red colour, of equal size, and unnixed with small hides; they must also be free from holes, well stretched, and equally thin. In a well-tinished lot no thick lead or feet parts slould be foumd. If spots resembling flowers are seen on the red hides, it is an additional sign of their good quality ; and they are then called bloomed jufs. The iuside should be clean, soft, and white, and, when takeu in the hamd, should feel elastic. The best connoisseurs of liussia leather can nearly deternine the tuality by the smell alone.
Great attention must be paid, in shipping juffs, to secure them from being wettel, as damp air alone is sufficient to injure them.
Sixty rolls of juffs make a last; 88 poods nett weight, when shipped fir ltaly, make a last ; aud 44 poods a ton in England.
The value of the Russia leather exported frem Asiatic Russia, in 1863, amomed to 533,205 silver roubles.
In 1867 we importel \(132,393 \mathrm{lb}\). of Rassia leather, of the value of 17,1001 , , direet from Russia, and 1-1,659 1 b . from other part.
1:TE (Ger. roggen, rocken; Dutch, rog, rogge: Fr, seigle; Ital. segale, segaha ; Span. centeuo; Russ. rosch, sel, jar; Lat. secale), according to some, is a mative of Crete; but it is very doubtful if it be founl wild in amy comery. It has been cultivated from time immemorial, ind is considered as coming nenrer in its propertics to wheat than any other grain. It is more common than wheat in many parts of the Continent; being a more cortain crip, and requiring less culture and manure. It is the bread corn of Germany and Kussia. In Brituin it is now very little growa, being no louger a bread corn, and therefore of less value to the farmer than barley, oats, or peas. (Loulon's Eacy. of Agriculture.) In \(1867,100,457 \mathrm{cwt}\). of rye were imported into the United Kiugdom, the chief sourees of supply being Russia, l'russia, Turkey, and the United States.
[For the regulations as to the importation and exportation of rye, sce Cons laws and Cons Thame.]

SABLE (Ger, zobel; Fr. zibeline; Ital. zibellino; liuss. sohol). An nnimal of the weasel tribe, found in the northern parts of Asiatic lassia and America, hunted for the sake of its fur. Its colour is generally of a deep glossy brown, and sometimes of n tine clossy black, which is most esteemed. Sable skins have sometimes, though very ravely, been foumd yellow, and white. The tiner sorts of the fur of sables are very scarce and dear; 5,159 skins, valued at \(6,495 l\), were imported into the United Kingdomin 1867, ehietly from Hamburg and Holland. [Fus Trade.

SADDLES (Fr. selles; (ier. siltte; lital, selle; Russ. sidua; Span, sillas). Seats adapted to the horse's back, for the convenience of the rider. Those made in Englant are reckoned the best. Sherborme and Lymu used to be remarkable for this manufacture ; but it is now prineipally carried on in London.

In 1867 we exported sadklery and harness (chiefly to Australia, Indin, and South America), valued nt \(219,80: /\).

SAFFLOWER or B.ASTALD S.I:FRON (Ger. saflor, saflor; Duth, sathloer, basterd saffran; Fr. safran bâtard; Ital, zatfrone; Span alazor, azafran bastardo; Liuss, polerroi, prostoi schafran). The flower of an anni. 'l plant (C'arthamus tinctorius, Limn.) growing in andia, Egypt, America, and some of the warmer parts of liurope. It is not easily distinguished from safiton by the eye, but it has nothing of its smell or taste.

The tlowers which are sometimes sold under the name of saffranon are the only parts employed \(i, 1\) dyeing. They yied two sorts of colouring matter: one soluble in water, and producing a yellow of but little beanty; the other is resinous, and bert dissolved by the tixed alkalies: it is thi last which alone render callower valuable in dreing ; as it aflords a red colour exceeding in delicacy and beauty, as it does in costliness, and which can be obtained even from cochineal, though mueh inferior to the latter in durability. The colour of safilower will not bear the action of soap, nor even that of the sun and air for a long time; and being very costly, it is principally emptoyed for imtating upon silk the fine scarlet (ponsean of the French) and rose colours dyed with cochineal upon woollen eloth.

The fine rose colour of saflower, extracted by erystallised soda, precipitated by citicic acid, then slowly \(r^{2}-i\) ied, and ground with the purest tale, produces the beautiful rouge known by the name of rouge reigitale.
Salifower shonld be chosen in flakes of a bright pink colour, and of a smell some: hat resembling tobacco. That which is in powder, dark eoloured, or oily, ought to be rejected. (IIasselquist's Toyages, Eng. ed. p. 352 ; Bancroft's Permencut Colours, vol, i. pp. 280-289: Milburn's Orient. Com.)

In \(1867,0,319\) cwt. of saflower, valued at \(54,469 \%\), were imported into the Cuited Kingdom, and \(6,956 \mathrm{cwt}\), exported. The duty of 1 s . per ewt. formerly charged on its importation was repealed in 1845.

SAFFRON (Ger. safran ; Dutch, saffraan ; Ital, zafferano; Spau, azafran; Fr, safran; Russ. scha(rim). i sort of eake, prepared from the
stimmas, with a proportion of the style, of a pernnial bulbous plant (Crocus sutivus, Lim.) cllid vated to a small extent in Cambridgeshire.

It is also imported from France, Spain, and Italy; but the Eaglish, as being frober, more genuine, and better eured, is always prefergel When good, salliron has a sweetish, powerful arumatic pdour: a warm, pungent, bitterish tate; and a rich, deep orange yellow colour, It shatil be chosen fresh, in close, tough, compract cakes, moderately moist, and possessing in an obrina degree all the above-mentioned qualities. \(h_{8}\) beins of a whitish-yellow or blackish colnor indicates that it is had, or too old. Saffrom i, used in medicine, and in the arts; but in this. country the consumption seems to be diminishias. It is employed to colour butter and chesse, and also by painters and dyers. (British Phurnucopaia, 1867; Thomson's Jispensatory; Lumbor's Lincy, of Agriealture.)
In 1867 we imported, 101 lb . of saffrom, rahed at 17,963l., and exported \(5,290 \mathrm{Ib}\).

SMAPENUN (Arab. sugbenuj). A concrete grom resin, the produce of an unknown lerin plant. It is imported from Alexandria, smerna se. It has an odour or garlic; and a hut, acrid, bitterish taste. It is in agglutinatel drups or masses, of an olive or brownish-yellow edmar sliz!ati- franslucent, and breaking with a dunn fractu. It softens and is tenacious bristen the tingers, melis at a low heat, and buns with a crackling noise and white flame, givint oul abundance of smo':e, and lenving behina a light spongy charcoal. It is used only in medicine. (Thomson's Dispensutory.)

SA(iO (Malay, sagu; Jav. sagu). A speris of meal, the produce of a palm (Sitroxylon semen) indirenous to and abundant in such of the ern islands as produce spices, where it supption principal part of the farinaceous food of the inlabitants.
ithe tree, when at maturity, is about 30 foth high, and from 18 to 22 inches in diameter. Dife the formation of the fruit, the stem consists of 4 external wall about 2 inches thick, the whole interior being filled up with a sort of spongy nedu. lary matter. When the tree attains to matuitr, and the fruit is formed, the stem is quite hollwint Being ect down at a proper period, the medulary part is extracted from the trank, and reduced iod powder like sawdust. The lilaments are nas separated by wasling. The meal is then haito dry; and being made into cakes and baked is eaten by the ishanders. For exportation, the doat sago meal is mixed with water, aud the pate rubbed into small grains of the size and form coriander sects. 'This is the species principly bronglit to England, for which market it sbeil be chosen of a reddish hue and readily dissolime in hot water into a tine jelly. A process has ba invented by the Chinese for retining sago, 96 to give it a line pearly lustre; and the safy cured is in the lighest estimation in all \(w\) European markets. It is a light, wholew, nutritions tood. It is sent from the instis where it is grown to Singrapore, where it is gase lated and bleached by the Chinese. The expy trade to Enrone and India is now puncipul?
tion of the style, of a perem?roeus sativus, Limu.) el Litit in Cambridgeshire. 1 from France, Spain, nol ish, as lueing frosber, nuen eured, is always preterel, nas a sweetish, pow'eful num m, pungent, biticrish taste; ure jellow colour. It shaw close, tough, compact cakes, ma possessing in ath obrinus mi possessing h-vellow or blackish coluar bad, or too old. Saftion is nad in the arts; but in the ption scems to be diminishims. colour butter and chease, and nd dyers. (British Pharminson's Dispensutory; lunk's e.)
e. (1 exported \(5,290 \mathrm{~kb}\).
(Arab. sugbenaj). A contrets? oduce of an unknown l'erian rted freta Alexandria, smema our or orarlic: and a hot, surid, t is in agglutimated drops or ive or brownish-yellim colour, nt, and breaking widh \& buny as anel is tenacisus berrene the a low heat, mod buns with a d white flantr, giving out abunnd leaving behinu a light spung used only in medicire. Thumy.)
-, sagı ; Jav. sagıl1). I sperics ace of a palm (Mrtroxylon sugui d abumbant in such of the :. ". d abumbe spices, where it supthas the farinaceous food of the inha-
n at maturity, is abont 30 fut 8 to \(2 \%\) inches in diameter. Bfied the fruit, the stem eonsists of on out 2 inches thick, the whote inI up with a sort of spongy nedur. 'lien the tree attains to maturit, formed, the stem is quite hullow, at a proper period, the medulary from the trunk, and reduced to s wdust. The filuments are pext ushing. The neal is then laido r made into cakes and baked. 5 anders. For exportation, the finat nixed with water, and the paits all grains of the size aad form

This is the species prinemply rland, for which market it shout reddish hue and readily dissoline to a fine jelly. A process has ox e Chinese for retining sage, 5 , he highest estimation in all do le highest estimation in an 1. It is sent from the fismo wh to singapore, where it is gat: ched by the Chincse. The expm rie aud India is now prineipdy?
wanined to that settlement. The sago paln seems to thrive on the northern eoast of Sarawak. (tinsili's Mut. Indiet; Crnwforil's East. Arehip. pol, ii. pp. 383-393, vol. iii. p. 348; Bell's Review f the Commerce of Bengul; P'arl. Returns; Con-

Lrount of the Quantities of Supo Imported inion and Re-exporterl from the Únited Kingdin during cach Year from 1815 to 1867.
\begin{tabular}{|c|c|c|c|}
\hline Years & Total Impors & Ne.exports from Unidal Kingiom & Quantities retaimed tor Consumpution \\
\hline &  & 1, 2 wt. &  \\
\hline 1469 & 34,395 & 2, 6131 & 4.,984 \\
\hline 19\% & \(5.5,165\)
6.51901 & 2,411
2,112 & 41,129 \\
\hline isty & 81,711 & 3,317 & 72,95\% \\
\hline 140 & \(89,4 \times 1\) & 3,85\% & 81,6il \\
\hline 1551 & 9, \(3,3,53\) & 6,1016 & 80,918 \\
\hline 156 &  & \({ }^{6}, 1688\) & 93.110 \\
\hline \(1 \times 5.3\) & 1.4.6.89 & 2,325
\(8,3,3\) & (21, \({ }^{8108}\) \\
\hline 143.5 & 98, gin & 4,512 & 104,499 \\
\hline 1856 & 137,168 & 4,580 & 1310,696 \\
\hline \(1 \times 57\) & 119.416 & 10,706 & 134,1966 \\
\hline 165 & 1785,513 & 7,269
\(16,27 \%\) & 138,863
151290 \\
\hline \({ }_{1860} 1859\) & 179,825 & 16,151 & 164.627 \\
\hline 1961 & 149, 162 & \(7{ }^{7}, 346\) & 172.621 \\
\hline 156 & 181.542 & 8,517 & 137,731 \\
\hline (1563 & 146,0181 & \(10,0,66\)
\(11,3,7\) & \(160,3.34\) \\
\hline 10.6 & 119,582 & 7,107 & 157, 324 \\
\hline \(\cdots 56\) & 164,983 & 7,6,6 & 139,76 \\
\hline 1507 & 164,142 & 7,272 & 188,107 \\
\hline
\end{tabular}
 per cied ly d s. per cw 1 .
It is seen from this table that the consumpion of sago has much increased since 18.15 ; and the increase will appear still greater if we go a little farther back; for, at an average of \([820\) and lis.l, the consumption amounted to only abont \(1,300 \mathrm{cwt}\) a-year. This extratordinary inerease is in part to be ascribed to the effectual reduetion of the heavy duties with which sago was formerly lurdened; but more, perhaps, to its being fouml to be a desirable article of food. It is said to be cmpioyed to some extent in the adulteration of sugar. The price of common sago varies from \(8 s\). to lis., while pearl sago fetches from 16s. to 16s. Jod, per cwt. ; but the price is liable to great fluctuation.
s.llLs. Coarse linen or cauvas sheets attached to the masts and yards of slips, the blades of windmills \&c., to intereept the wind and oceasion their morement,
Suils, when formerly imported, were charged with an ad valorem duty of 10 per cent. But this duty was repealed in 1803 , and their importation
os nors free. The duty on cordage was then, also, repealect.
SLLEP. A species of powder prepared from
the dried routs of a plant of the orchis kind (Orchis
masenta, Linn.). That which is imported from India
in white oval pieces, hard, clear, and peltutid,
ithout smell, and tasting like tragacantli. As an
ricle of dict, it is said to be light, bland, and
tatritious. The plant thrives in Eingland, but it
not enltivated to any extent: and very little is
aported. (Ainslie's Mat. Indica; Milburn \({ }^{3}\) rient. Com.)
SALMON (Ger. salm; Fr. saumon; Ital. Imone, sermone ; Span. salmon ; Russ. lemga). is excellent fish is too well known to reguire description. It is found only in northern a, leing unknown in the Mediterranean and warm regions. In this comntry it is an icle of much value and importance. It is said be exceedingly abundant in Japan and Kambatka.
Salmon fisheries,' Marshall observes, 'are copiand constant sources of human food; they k next to agricultare. They have, indeed, one
advantage over every other internal producetheir incrense does not lessen other articles of humnn subsistence. 'The salmon loes not prey on the produce of the soil, nor does it owo its size and nutritive qualities to the destruction of its compatriot tribes. It lenves its native river at an carly state of irrowth; and going, even maturalists know not where, returns of ample size, and rich in human mourishment; exposing itself in the narrowest streams, as if nature intended it as a special boon to man. In every state of savageness and civilisation, the salmon most have been eonsidered as a valuable benctaction to this country:'
Such salmon as are taken in estunries or rivers are, of course, the property of those to whom the estuaties or rivers belong, the tisuries in them frequently letting for very large sums; but of late very ensiderable quantities of salmon have been taken in bays and in the open sea, where the tishing is free to any one who chooses to engrge in it. The London market, where the consumption is immense, has been, since [700, prineipally supplied from the Seotel rivers. The Tweed fishery is the tirst in point of magnitude of any in tho kingdom; the take is sometimes quite astouishing, several hundreds having been frequently taken by a single sweep of the net. Salmon nre despatched in steaners or fast sailing vessels from the Spey, the Tay, the Tweed, and other Scoteh rivers, for London, packed in ice, by which means they are preservel quite fresh. When the season is at its height, and the catch greater than can be taken ott fresh, it is salted, pieklell, or dried for winter consumption at home, and for foreign markets. Formerly, such part of the Scotch salmon as was not consumed at lome, was piekled and kitted after being boiled, and was in this state sent up to London under the name of Neweastle salmon; but the present method of disposias of the fish has so raised its value, as to have nealy deprived all but the richer inhabitants in the enivirons of the fishery of the use of salmon. Within the memory of many, now living, salted salmon formed a material article of houselold economy in all the farm-houses in the vale of the Tweed; insomuch that in-door servants used to stipulate that they should not be obiliged to take more than I wo weekly meals of salmen. Its ordinary price was then \(2 s\). per stone of 19 lb .; but it is now never below \(12 s\). , often \(36 s\)., and sometimes \(42 s\). per stone. This rise in the price of the tish has produced a corresponding rise in the value of the salmon tisherics, some of which are very valuable. There are considerable fisherics it. some of the Irish and English riyers; but interior to those of Scotland. (Generad Report of Seotland, vol. iii. p. 327.) The Scoteh salmon fisheries seem to have nttainel their maximm value fowards the end of the last War, when the fisherics in the Tweed were let for from 15,0001 , to 18,0001 , a-yenr; and those of the Tiay, Dec, Spey \&c. were proportionally valuable. But the value of the Scotch salmon tisheries has, speaking generally, dealined greatiy of late years; in consequence, partly and principally, of a diministes! supply of tish in the rivers, but in some degree, also, trom the greater facility of the communication between London nad Liverpool, and the consecuent importation of Irish salmon into the London markets.

Decrease of the Supply of Salnon, Louching §e -The deerease of salmon in the English and Scoteh rivers, particularly of late years, is a fact as to which there can le no manner of doubt. (Report of Committee of House of Commons ou Scoteh Sialmon Fishery in 1813.) Much unsatisfactory discussion took place as to its causes, which were,

Statement of the Quantities of Salmon received in London (boxes of say 1 cut. cach) from to 1868, the Sourres whence derived, and its Price per lb.

probably, of a very diversified character. A good deal his been ascribed to the inerease of water machinery on the banks of the different rivers; but we hardly think that this could have mueli intluence, except, perhaps, in the case of the smaller class of rivers. Weirs, or salmon traps, have also been much objected to; though, as we have been assured, with still less reason. On the whole, we are inclined to think that the falling off in the supply of this valuable fish is principally to be ascribed to the temptation to over-fish the rivers, catsed by the high piece of salmon; to the prevalence of poaching; and more than all, to the too limited duration of the close time. In 1828, after a great deal of discussion and enquiry, an Act was passed (9 Geo. JV. c. 39), which has done a good deal to remedy these defeets-in so far, at least, as respects the Scotch fisheries. The rivers were shut up from September 14 to February 1; and every person catching or attempting to eateh fish during that period forfeited not less than \(1 l\). and not more than 10l. for every offence, besides the fish, if he canght any, and such boats, nets, or other implements, as he might have made use of. Pecuniary penalties were also inflicted upon poachers and trespassers, and provision made for the watehing of the rivers. 'Ihis Act had a very good effect; thongh it is believed that it would be better were the close time extended from September 1 to the middle of February.
After public attention had Jong been turned to the question, inspectors of Einglish salmon fisheries were appointed under the Act 24 \& 25 Vict. c. 109, and they have already done much to put down poaching and other practices destructive of the tish.
The close season in England and Wales, so far as net fishing was concerned, was fixed by that Aet frem September I to February 1 following.
Similar Acts were passed for Šcotland, viz. 25 \& 26 Vict. c. \(97 ; 26 \& 27\) Vict. c. \(50 ; 27\) and 28 Vict. c. 118, and 28 \& 29 Vict. e. 119, the Act of \(31 \& 82\) Vict. c. 123 being the latest.
By the \(26 \& 27\) Vict. c. 10 the exportation of salmon caught in close time is prolibited.

In Mr. Buckland's Report of March 14, 1868, it would appear that 3,790 men were then employed in the salmon fisheries of England and Wales; and in the previons year 954 prosecutions had been instimted for breaches of the laws for protection of the fish.

In Mr. Walpole's Report of Mareh 14, 1868, the averaye wholesale prices obtained Sor salmon hy one \(e\) the denlers in Billingsgate in the jollowing months of 1867 were:-


Previously to 18 I2 the importation of fore salmon was prohibited; but among the imporna and beneficial elanges effected by the Taniff of that year, the repeal of this prohibition, andt admission of forcign salmon to our narkets payment of a duty of \(10 s .6 \mathrm{~d}\). (ineluding the 5 p cent.) per ewt., was one of the foremost. 'flef in portation lias not, however, been nearly so great a was anticipated.
In 1852 the imports of salmon of foreiga taling amounted to only 326 cwt . The imports darins the same year of salmon of British taking mete \(2,298 \mathrm{cwt}\). In 1853 the duty on the former ras repealed ; and salmon, however taken, mar nor, like any other fish, be imported duty free, Foring salmon is principally brought from Hollash Norway, and Denmark. These supplies bare increased very much, for wo find that in \(1500^{\circ}\) we imported 138,604 ewt. of fresh tish ant of British taking, and valued at \(156,460 \mathrm{l}, \mathrm{a}\) coniaderable portion of which was salmon.
SALONICA. A large city and seppont of European 'Turkey, at the north-cast extremitr of the gulf of the same name, lat. 40035 ti long. \(22057^{\prime} 13^{\prime \prime}\) E. Population estinato al 70,000 in 1860. (Almanach de Gotha.)

This city, originally called Therma and yer. wards Thessalonica, is celebrated both in sated and profane history. It was visited by statal who has addressed two of his epistles to the Thessalonians. In the days of its prosprati it had an amphitheatre, an extensive hippodeng, numerous temples and triumplal arches, thering of which sufficiently attest its aneient splediat (Clarke's Travels, vii. 441-478, 8vo.ed.)

Being the principal emporium of Mace: in Salonica has always had a considerable tris and to this circumstance may be ascribed ins. tinued and comparatively prosperous exicey notwithstanding the many vicisitudes it be undergoac.
There is no port at Salonica, but then its cellent anchorage in the roads opposite tit town. The aecess to them is by no means difen and pilots are seldom employed. The espri principally consist of wheat, of which largeque tities are sometimes shipped (the price perfer ter, free on board, being 35 s . in \(\mathbf{1 8 6} 6^{\circ}\), bailen wis Indian corn, raw cotton, wonl, ruw silk, thans olives, and olive oil \&e. The imports are nat coffec, ilyewoors, indigo, muslins, calicus mat twist, iron, coal, lead, tin, watches \&c.

The following is a statement of the rata price (free on board) of grain and of some arizs of raw produce, at the port of Salonica duth 1866 :-

\author{
Wheat : \\ Sarley
Maire \\ Cotten: \\ Wow!
}
say 1 cut．each）from 1863 c per \(l b\) ．
\begin{tabular}{|c|c|c|}
\hline Welsh & Total & Gras price per its． \\
\hline & 31.150 & i．\({ }_{1}\) \\
\hline 6.68
752 & 33，740 & 1 碞 \\
\hline 46is & 29，283 & 12 \\
\hline 1，563 & 36,015
35,091 & 11 \\
\hline \％，40； & ：31，16 & \\
\hline 7，986 & 201，124 & － \\
\hline 3，119 & 785，410 & ＂ \\
\hline 11，125 & 986，934 & \\
\hline 315 & 28， 198 & \\
\hline
\end{tabular}

812 the importation of forim oited；but among the improant onges effected by the Tarifila unges ef this prohilition，anilthe cion salmon to our markels on eign of 10 s ． \(6 d\) ．（ineluding the jper as one of the formost．The im－ ，however，been nearly so great is
yports of salmon of forcigi taling Iy 326 cwt ．The imports during of salmon of British taking कene 1853 the duty on the former ras salmon，however taken，mar pof， ish，be imported duty free．Foreig ant，be brought from llolland， nelpaingrk．These supplies bare much，for we find that in \(1800^{\circ}\) 138,604 cwt．of fresh tish yut d？ and valued at \(156,460 \%\) a conisidet－ which was salmon．

A large city and seapy of key，at the north－east extrmite of he same name，lat． \(40^{\circ}\) ob \(x^{-7 \prime}>\) \(13^{\prime \prime}\) L．I＇opulation estimstè at 13 （Almanach de Gothu．） riginally called＇lherma and mite． honica，is celebrated buth in sand nistory．It was visited br v．Path Iressed two of his epistles th th In the days of its prosperesis hitheatre，an extensive hippomant nples and triumphal arelies，the tias cuently attest its ancieat spico． wels，vii．441－478，8vo．cd．） principal emporium of Jack：ais alway＇s had a considerable tata； ircumstance may be ascribed issure comparatively prosperous esitas
ho port at Salonica but thene ises orige in the roads opposite bt tis access to them is by no mand dito are seldom employed．The tupt consist of wheat，of which latreq metimes shipped（the priee petgis board，being \(35 s\) ．in \(1860^{\circ}\) ，bater， h，raw cotton，wool，raw silk，then olive oil \＆c．The imports are \(\mathrm{m}_{4}\) coods，indigo，muslius，edic
coal，lead，tin，watches \＆ coal，lead，tin，watches ac，
owing is a statement of the on board）of grain and of some arise beluce，at the port of Salunica diats

Account of the Number and Timnatge of the I＇rssels of differeat Nations Entered and claured at Satimica in 1866.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Countries}} & \multicolumn{2}{|r|}{Inwards} & \multicolumn{2}{|r|}{Outward，} \\
\hline & & ship， & ＇Ions & ships & Tons \\
\hline Britich & ＊ & 22 & 5，807 & 4 & 3，40\％ \\
\hline steamets & ： & \(\frac{1}{5}\) & 432
1,142 & \(!\) & 1，182 \\
\hline Itrach & ： & 111 & 59，6，611 & 111 & 39，4019 \\
\hline Autrian & － & it & 7， 717 & 37 & 7，3es \\
\hline steamers & － & 47 & 13， 3 ？2 & 27 & 13.512 \\
\hline Italan & － & & 7，sil & 31 & \(x, 161\) \\
\hline tieaners & ： & 1，6 & 21.010 & \(11!9\) & 20，退\％ \\
\hline （lielichtc steanmers & ： & & －1，¢ 81 & 12 & \(2 \mathrm{~B}, \mathrm{MO}\) \\
\hline Rustan & － & 5 & 1，281 & 4 & 9 ys \\
\hline lrusern & － & 2 & 441 & 2 & 491 \\
\hline & － & 138 & 19，115 & 158 & 1！，14 \\
\hline Stamers & ＊ & & 31,610 & 81 & 31.6101 \\
\hline Totaly & ． & 1，4il & 181.798 & 660 & ता，min \\
\hline
\end{tabular}

I considerable number of small vessels muler the Otoman and Jlellenic flags，the former owned and navigated by C＇liristian suljects of the Porte， are employed in the coastinir trate，chietly in carring frain，clarcoal，timber，firewoorl，and frait ； 3,950 of these vessels under the fotioman thag of an argregate butden of \(5 \overline{7}, 8]=\) tons，and \(1: 1\) ressels unter the Ilellenic flitr，of an argie－ wate burien of 3,637 tons，arrived at Saloniea in lecíb．
lecording to the statement of the English con－ sul，the aregrerate vilues of the imports and （xpurte by sea in 1866 were as follow：imports， （titiblU，cxports， \(1,2 \cdot 14,082 l\) ．When Cbicini＇s valuable work on Turkey was publishod（Lettres so Iu Turquie，i．d25），the imports and exports amminted jointly to \(18,9,00,600 \mathrm{fr}\) ．The trade of the subordinate ports of La Cavale and Volo amonnted during the same year to \(7,509,768 \mathrm{fr}\) ． （＇licini，p．4：0）；Nr．Consul Wilkinson＇s Rrport （Ipril \(2 \bar{T}, 18(17\).
Money，\(W^{r}\) tights，amel Métsures．－Accounts are git in pinstres of 40 paris，or 120 aspers．The cons are those of Consirsntivorme．
The weirhts and measures are the same as those finyma，except that the kisloz，kilhow or forn mearure of Salonica \(=3.78\) kisloz of Smyrna．
Quramtine Reguations．－（）n the arrival of a essel at the port，she is visited by the buat of the halthoffiee，with the＇lurkish flag in the stern，and the yellow thag in the bow．The captain of the entering ship may，however，put a yellow thur in the bow of his boat，and go with his papers to the quantine station（if he is much pressed for time）， there he will obtain pratique，if with a claan bill， fter he has answered the nsual interrogations．Whe nasters of vessels．on their arrival，must deliver If their hills of health to the quarantime oflicer，and
bey will be returned to then，upon application， efore sailing．It is required that masters of Gasels soing from one＇Jurkish port to another ruish themselves with＇Iurkish bills of licaltl， herwise they will subject themselves to the same harantine as ressels witl foul bills．

Cust of Turkish Bills of ILealth．

\begin{tabular}{|c|}
\hline  \\
\hline －\({ }_{i}\) 三 \(=1\) \\
\hline － \(310=1\) \\
\hline － \(14=2\) \\
\hline － \(16=3\) \\
\hline \(24=3\) \\
\hline
\end{tabular} d．ex．100s．
Harbour，Depth of Wrater，Tides．－Vessels hor very near the walis of the town，though it rudent not to come too close in，owing to the boer of small craft at anchor．The depth of ter a cable＇s length from the shore varies from to 4 ，and at 2 cables＇length from 7 to 8 fathoms， ence to Cape Carabourum it varies from I2 to fathoms．There is very liftle rise：owing to
the rivers which empty themselves into the sulf the currents setting out are at times stronk，and in light winds suthicient to impere the way of the vessel．
Bullust，consisting of wet sand，may be had at
 chrarements may he madefor a lomps smo，to put the vessel down to a certain mark．If a master require much ballast，the latter phan is the best，for the balast－men are all dews，and it is the only mens of having any check unon them．

Ship Brecul．－Masters wanting ship bread must apply for a permit，which is obtained through the consul，for which the＇lurkish authorities charga 10 piastres．
Freights are myable either at the last rate of exchanke recciveri from Constantinople jrit－to the arrival of the vessel，or it the post come in after the shif＇s arrival，at the latter rate．

Bills．－Bibls on bondon are at 3 months＇date The exchange on London raried in 1866 from 1094 to 111 piastres per pound sterling．At that primi there was no bank in Macedonia other than a branch of the Imperial Ottoman．

Conmission．－Commission on freights 3 per cent
＇The gates of the town are opened at sumise and closed at sumset

Water is excellent：there is a fommam at or near the wharf，ant two others a short distabee from it．

SAL＇T（Ger．salz；Dutch，zout；lir．sel；ltal． sale；Span．sal ；liuss，sol；Lat．sal；Xrab．medh； Chin．yen；Ilin．nimmuck；l＇er．nun），the catoride of sodum of motern chemist－r，hats been known and in common ase as a seasoner and jre－ server of food from the earliest ages．lamemse masses of it are fonud in this and many other comutries，which require only to be dug ont and reduced to powder．In that state it is called ruck salt．The water of the ocean also contains a great deal of salt；to which，indeed，it owes its tasto， and the power which it possesses of resisting frecaine till cooletl down to \(28.5^{\circ}\) ．When this water is sulliciently evaporated，the salt precipi－ tates in crestals．This is the common process hy which it is obtaned in many countries．There are rarions processes by which it may be obtained quite pure．Common salt usually crystallises in entes．Its taste is universally known，and is what is strictly denominated salh．Its specific gravity is \(2 \cdot 125\) ．It is soluble in 8.82 times its weight of cold water，and in \(2 \cdot 76\) times its weight of boiling water．（＇Thomson＇s Chemistry；Watt＇s Dictionary of Chemistry．）
Besitles its vast utility in scasoning food，in preserving meat both for domestic consmmption and during the longest voyares，and in furminhins muriatic acid and soda，salt forms a glaze for coarse pottery，by being thrown into the oven where it is baked；it improves the whiteness and clearness of glass；it gives hardness to soap；in melting metals，it preserves their surface from calcination by defending them from the air，and is employed with advantage in some assays；it is used as a mordant，and for improving certain colours；and enters more or less into many other processes of the arts，Many contradictory state－ ments have been made as to the use of salt as a manure．l＇robably it may be advantageons in some situations，and not in others．

Sult Mines，Springs \＆c．－The principal sait mines are at Wielitska in Poland，Catalonia in Spain，Altemonte in Calabria，Loownr in 11 engary， in many places in Asia，Africa，and Amerien，and in Cheshire in this country．The mines at Wielitska are upon a very large scale；but the statemerts that have frequently been published，

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of their containing villages inhabited by colonies of miners who never saw the light, are iltogether willout fisundalion. Theso mines have been wronght for more than 600 years. (Coxe's Trarels in the North of thurope, vol. i. 1.19, 8vo. ed.; Mr. Seiretary Midilleton's lheport on the Salt-producing Districts of Mexico of December 31, 1867.)

The salt mines in the neighbourtiood of Northwieh in Cheshire ure very extenaive. They have lien wrousht since \(167{ }^{7} 0\) a and the quantity of sult whtaned from them is greater, probahly, than is obtained trom any other salt mines in the world. In its solin firm, when dug from the mine, Cheshire salt is not suliciently pure for use. To purify it, it is dissolvel in sea water, from which it is atterwards separated by evaporation and crystallisation. The greater part of this salt is exported. There were sent from Cheshire down the riser if:aver, in the year ended March 31, \(1 \times 68,918,438\) tons, being considerably above the average gmantity, while Worcestershire prodnemi Q2t, 2inl tons, (1lunt's Mineral Statistics, 1867.)

Sult springs are met with in several conntries. Those in Cheshire and Worcestershire fimish a large proportion of the salt made nise of in Great liftain. 'I'he brine, being pumped up from vers deep wells, is ovaporated in wrought-iron pans from 20 to 30 feet square and 10 or 12 inches lecp, placed over a fumace.
Most of the salt used in Scotland, previons to the repeal of the dhty, was obtained by the evaporation of sea water nearly in the way now mentioned; but most part of the Scoteh silt

SALTPETLR
works have sinco been relinquished. Dinto tons of Irish sult wit to exported from leffunt in 807.

In warm countric salt is oblained be this evaporation of sea-w "r by the heat of the sun; and the crestals of s.lt comblo in this way are mestr perfect, and purer, from the greater slownow the process. French salt is manufnctured in this mode, and it has ulways heen in comsideration demand in this and other comentries ; but the prith cipal imports of foreign salt inlo Cirema Mritam it present aro from P'ortugal. In \(1 \times 67\) the tot import was 16,149 tons, valued at 16,149 .

Consumption of Salt. -The eonsunapion uf onla in this country is immense. Necleme sunnarm the consumption in those provinens of Eran which had purchaved an exemptive foms the gabelle (puys frunrs reidimes) at minumis is (Ling.) for each indiridual. (Aldmunememsumin thas f'inustes, tume ii. p. 1き.) From all tha been able to learn on the sulbject, we bulline the the consmmption of the premple on" thas tomen may be estimated a listle highore, or at \(\not \ldots\) be the ditlerence in owr foom and Luabins, as emanmeri with the Fremeh, fully accowning for the creased allowance. On this aupposition. taking the population at 30 , (momesu, the enn



Excluwive at this imuense home consumption, we ammally export very large gnamities, the export in latio haring been \(72 .\), , w to tons, of the value of \(4.5 \bar{u}, 5+1 L 1\)

1ccount of the Quantitics and Value of the Sait Exporterl from the United Fingdom durnapodh of the 1 Years emding with \(1866^{7}\).
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Countrics} & \multicolumn{2}{|c|}{1861} & \multicolumn{2}{|c|}{1841} & \multicolumn{2}{|c|}{1003} & \multicolumn{2}{|c|}{12 F} \\
\hline & Quantity & \begin{tabular}{l}
beclared \\
Value
\end{tabular} & ' Oumation & Declared Vatue & Quantity & \begin{tabular}{l}
D-Chared \\
\(V\) atue
\end{tabular} & Quantily & Welarel \\
\hline Russia &  & \[
\frac{x}{x 7,911}
\] & \({ }_{\text {cinem }}\) & \[
\frac{f}{25.381}
\] & \({ }^{101018}\) & 24, \({ }^{\text {¢ }} 1.5\) & \({ }_{72,493}\) & 16,12: \\
\hline Norway - & 9207 & 4,152 & 12, & 6,214 & 11,092 & - & & - \\
\hline fenhark- & 11,619
8,111 & 6,151
1.589 &  & 5,421 & 13,933 & 7,357 & - & \\
\hline  & 16,655 & 21.9610 & 37.119 & 4, & 10,710 & 22,161 & 29,016 & 5 \\
\hline Ilolland - & 23,226 & S,126 & 21,215 & \(6_{6} 5^{3} 41\) & 21,6.3 & T, 19 & 2t, mis & \% \\
\hline Belsian & 25,341 & 7080 & 26. 214 & 7,134 & 24,211 & \%, 519.1 & 27.4 , & 2, 601 \\
\hline Weatern ATrica (foreign) - & 21,1155 & -3, 3020 & Cimenis &  & -13,211 & 5 \({ }^{9,2681}\) & linam & loper \\
\hline Unted States : North Atantic fors & - 9,475 & -3, 9191 & 71.897 & 34, & \(7 \mathrm{~N}, \mathrm{Lii}\) & \(4 \mathrm{Sa}, 16\) & 69, 144 & 5,15 \\
\hline Pricific loris & -350 & - 246 & 170 & 91 & 550 & 612 &  & t, in \\
\hline Mrithh India : Mengal and Pepu & & & & & - & - & 2110,438 & 135, \\
\hline Hritish Possessions in South Atrica & & \(2,3,58\)
\(\times 10,138\) & 11,158 & 1,117 & & & - & \\
\hline Imila, Singapore, and Ceylon & 183,134 & 81,032
17,567 & 118, 547, & 38,544 & 132, & \% \(0,0,31\) & & \(7{ }^{*}{ }^{+0}\) \\
\hline Australa \({ }^{\text {Sritish North America }}\) & 6s, 904 & 21,607 & 8 & 24, & 82, 6106 & 19,58: & 85,um & 10, 110 \\
\hline Other countries - & 23, 571 & 15,5m4 & 18,217 & 12046 & 2\%,4is & 21.613 & S\%, & \\
\hline Total & 546,510 & \(27 \overline{6}, 5\) & 579,000 & 24583! & 601,440 & 304.454 & 724,313 & n+ \\
\hline
\end{tabular}

The cheapness of this important necessary of free, to the fisheries, a vast deal of smogrint life is not less remarkable than its ditlusion. "Its 'The opinion of' the publice and of the livase present cost may be estimated, at a medium, at from 12 s , to 14 s . per ton.
Duties on Salt.-In ancient Liome, salt was subjected to a duty (vectigal salinarom; see Burman, Dissertatio de Vectigalibus Pop, Rom. c. 6) ; and it has been heavily taxed in most modern States. The gabelle, or code of salt laws, formerly establishel in France, was most oppressive. From 4,000 to 5,000 persons are calenlated to have been sent amually to prison and the galleys for offences connected with these laws, the severity of which had no inconsiderable share in bringing about the Revolution. (Young's Tracels in France, vol. i. p. 598.) In this country, duties upon salt were imposed in the reign of William III. In 1798 they amounted to 5 se per lushel ; but were subsequently inereased to 15s. per bushel, or about thirty times the cost of the salt. So exorbitant a duty was productive of the worst effects, and oecasioned, by its magnitude, and the regulations for allowing salt, daty Commons laving been strongly prommete against the tax, it was thally repealed in lad.

That the repeal of so exorbitant a dur has been froductive of great advantage, no une at donbt; but secing that a large revenue mat in. raised, we question whether Government acte wisely in totally relinguishing the tax. Ifad be duty been rexuced to 2.2 , or is.s. Gd. per lanthet and no iluty-free malt allowed for the fisheries, but a Irawback given on the fish exported, a revenued \(1,000,1000\), a-vear might have been derived from this source with but little injury. It was zot the nature of the sait tax, hut the absurd esteot in which it had been carried, that renderen it justry odions. When at the highest, it proluced about 1,500,0001, a-year.
SAL'TPETRE or NITRATE OF PORLS (Ger. salpeter ; Fir. nitre, salpêtre; Ital. nitrou sulnitro; Span, niero, salitre; Rilss. senitra; Ish nitrum; Arab. nbikr; Ilin. shorah). A : il well known in commerce, and of very gral im.

\section*{CPETRE}
cen relinquinhen．\(h, \pi, \pi\) e exported from lidfast in
sult is obtained be 1ho ＂r loy the heat of the sun； caato in this way are morm on the greatcr slowness of salt is mannfactured in this lways heen in remsideration ther countries：lut the prin－ isn salt into（irem llitan bortural．In \(1 \times 6 \mathrm{~B}^{*}\) the tota ns，valued at 1 ne， 1 19 tt．－－I＇le comamuption uf \(-a l\) mmense．Nectoon telumat those provituene and Erath an（xemptive from it s rothenes at atons： \(1!1,1\) isidual．（Aelminesturaten des \(1 \pm\). ）from all that：ue lat a the subject，we buthev－thet th the perople of tha cunar： if the penple or at ．．． a lintle hagher，or at－－was or lood and bablits，as eomuntion fully aceovating for tha

On this suppositum． tion at 30,0 ，woms，the ent． mount to bibu setv，gue 1）toms．
an impense home consumption？ art very large quantitios，the swine been for foble tons，if ：ho

United Kingdom durliqeach

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V \text { due }
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& \text { Bet weel } \\
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\hline tans & 1 & ton & \(i_{6,14}^{4}\) \\
\hline 15，2， 23 & 24，137 & & \\
\hline 1， 0172 & － 8 （12 & & \\
\hline 13，93．3 & iriol & \(\sim\) & \\
\hline \(\overrightarrow{0,70}\) & 22，161 & 11.916 & 5095 \\
\hline 21．631 & 5，710 & 边 & 号 \\
\hline 24，211 & 7，09\％ & 12， & 10\％ \\
\hline 13，210 &  & ！ 4 ill 1 & 6\％：317 \\
\hline （22，5， & 43,149 & 6， \(0^{3 / 9}\) & Sa， \(1,0 \%\) \\
\hline \({ }^{1}\) & 612 & \(2{ }^{2}\) & 125：5li \\
\hline － & － & － & \\
\hline 34，512 & 79， 231 & & a， 0 \％ \\
\hline 2014， & 14，54； & 18， 5,01 ） & \％， \\
\hline S2，106 & 81，20．3 & Sns， & －边 \\
\hline 26，4，59 & 304，4！5 & \(: 24,36\) & \\
\hline
\end{tabular}
teries，a rast deal of smogring the public ant of the llowier ing been strongly promanied eal of so ext repeated in \(1 \times 1 \mathrm{c}\) iss of great advantage，no one chat iner that a large revenue muth ation whether（roverument sex y relinquishing the tax．lad the ced to 2 s ．or 2s．Gel．per busled，ati． It allowed for the tisheries，but on the lish expurted，is reveque ar might have been derised trow but little injury．It was got too alt tax，lout the atsurd estention cen carried，that rendered ir justr at the highest，it producel aboat AR Er．nitre，ealpêtre；laL，pitto nitro，salitre；liuss．scnitra；Ls nbikr；Hin，shorah）．A

\section*{SALTPETRE}
portance，It may be refarded loth as a natural and an artikeinl production；being fomme on the surface of the soil in many parts of India，Eqypt， laly de．；but in these and other places nill that is kiown in commeree is obtalned by an artilicial precess，or by lixivinting earth that lins been furmed into nitre beds．The saltpetre consumed in lingand is brought from Dongal in an impore state but ervstallised，in bags，ened containing Ihith，Salipetre torms the principal ingredient in the manatacture of fropowder，and is msed in varimes arts．It is nlso of great utility in the comerce of India，from its farnishing a large anount of doad weight for the shipping engrged ait．Salthetre possesses considerable antiseptic wiver．That which is of the best quality and well refinel is in long trasparent crystals；its ta－te is sharp．bitterish，and cooling：it flames much when thrown mon burning conls；is vers firfle；spectice gravity 1.033 ．It is not altered exposure to the air．
beckman contends，in a long and elaborate
 Cube etb．），that the ancients were unacepuainted wihh saltpetre，and that their nitrum was really an Lhiline salt．But an salpuetre is produced natu－ thily in considerable quantities in bgypt，it is difienlt to suppose that they conld the entirely gurant of it：thourh it would appear that the rationded it with other things．It hats been hanw in the East from a very early perioh． Hokmam commens in opinion with those who mueve that gumpowier was invented in Judia， and lrought by the saracens from Atrici to the Eargeans，who improved its manufacture，and made it available for warlike purpuses．（Vol．is． （10il．）
The consumption of saltpetre during periods of tar is very sreat．Its price is conseguenty liable to extreme thactuwtion．In remarking on the varicties in the price of sallpetre，Mr．Tooke
werves，＇It reached its greatent height in 1790．， riz．lions．per ewt． in 1796 it fell at one time to Whan and rase again to Hois．It seems to have beta affected eminsilerably by the seale of hos－ tilitiex on the Cbutinent．But in consequence of the disoverim in chemistry，by whieh the French were enabled to dispense with a foreign supply， and by the inercased importation from India to this comtry，by which we were enabled to oupply the reat of the Continent at a reduced cont，the frice deelined permanently after \(1798-9\) ，when it had readied \(145 s^{2}\) ；and never nfter was so high as buls，execpit duriag the short interval of specuation in export，during the peace of 1814 ， and again upun the breaking out of the war terminated by the battle of Waterloo．＇The Grice of rough saltpetre in the dondon market Faried，in 1867，from 12s．9rd．to 18s．8d．per cwt． Dung \(1 \times 67\) we imported \(21 \cdot 4,60-\mathrm{t}\) ewt．silt petre， of which 199， 105 were from India，The exports tom the United Kingdom during the same year mounted to \(81,758 \mathrm{cwt}\) ．
Lixclusive of sultpetre，we import considerable hantities of nitre，or nitrate of sota，consisting of itrer aeid and sodt，whereas salupetre consists of itrie acid and potssh．Jike saltpetre，it is found ative in various countries，but especially in the serts of Taripraea，in Chili，and Xtacama，along econit of suuthern Peru．The deserts in ques－ no consist of a vast sandy plain，extendiug be－ an the shore and the foot of the Audes for treen 400 and 5010 miles．＇This plain is moro an3，000 feet above the level in the sen；fio rut 1 er fallsupenit；ahbl except nong the banks of a frile．In no whist parts，it is intersected，it is quite rile，In must parts，however，it ubounds with

SALVAGE
1203
nitrate of sola，which sometimes appears on the surface，but is more eommonly covered with a stratum of clay mol snal，with whieh the salt is frequently mixed．The primeipal mines are within about et miles of the lerrivian port of lquigue，in 210 n0＇s．lat．mad \(71^{\circ} .12^{\prime} \mathrm{W}\) ．long． Atter being dug up，the salt is pulverised， dissolved in boiling water，and allowed to erystallise in shathow wooden tromghas，Its price， tree on hoard，including an export daty of nhout 4 per cent．，varies from 2 to \(2 \frac{2}{2}\) or 3 ilols． the quiatal of 100 lb ．Javing a temdeney to attract moisture，it is not so stitable na saltuet re for tho manatacture of gimpowder；but it is extremely serviceable in varions departments of the arts，and is particularly valuable in a com－ mercial point of view，from its ablorling a return eargo for ships which might otherwise have had to come home in ballast．

During 1867 the imports and exports of nitre （cubse nitrate al soda or cubie saltpetre）amomedted respectively to \(1,217.062\) ewt．，valucel at \(167,3: \% /\) ， and 01.902 ewt ．The frice during the same var was aloont 11 s．per ewt．The duty formerly charged on waltpetre and nitre was suppressed in 18．t．（Watt＇s Dictionary of Chemistry．）

BNLVICR，as the term is now understond， is an allowance wr compensation made to those by whase exertions ships or foods．have been saved from the dangers of the seas，fire，pirates，or rumics．

The propricty and justice of making such an allowance must be obvions to eversmo．It was allowed by tho laws of Rhodes，Oleron，and Wisby；nind in this respect they hase been followed by all morlern maritime states．At common law，the party who has saved the goods dif another from loss or any imminent peril has a lien upon them，and may retain them in his pos－ session till payment of a reavonable salvage．

Sulonge upon Losses by Perils of the Nea．－ In tiximg the rate of salvage，regath is usually hatl，not only to the labour and peril incurved by the salvors，but also to the situation in whieh then may happen to stand in respect of the prownty saved，to the promptitude and alacrity mandested by them，and to the value of the ship nnd cargo，as well as the degree of danger from which they were rescued．In some cases as much as \(a\) hulf of＇the property saved has been allowed as salvage；and in others not more than a touth part．

The crew of a ship are not entitled to snlyage， or any umsual remumeration for the ext raordinary elforts they may have made in saving her；it being their duty，as well as interest，to contribute their utmost ujon such oceasion，the whole of their possible services being pledged to the master and owners，Neither are passengers en－ titled to claim anything for the ordinary assistance they may be able to atlord to a vessel in distress． But a passenger is not bomnd to remain on board a ship in the hour of danger，provided he can leave her；and if he perform myy extraordinary services，he is cutitled to a proportional recom－ penş．

IIl cases with respect to proceedings for salvage may le brought either in the tirst instanee，or by nppeal，before the Court of Almirnlty，provided， in the last case，the sum in dispute exceeds \(50{ }^{2}\) ． But the delays and expenses attending the pro－ eerdhug of this court are such，that they have ocensimed mitel dissatisfaction amone commer－ chal theth．To obviate them，ellorts which hat bern prevlonsly made were renewed and extended in 18.6 by the \(9 \& 10\) Vict．c． 99. This statute authorised salvage claims，for smus ader 2001 ．，
tobe decided liy the award of two justiees or their nomines, on the spot; and it also gave power to the Adminulty to appoint salvage commismoners in different ports to decte nod cheapen salvage These attempts to experwe hadalt tho sucecss proreedings have not, however strong conviction that was nuticipated. Ant a desirubleness cither of has grown up of the the cost of Admiralty shortening and reducingiag salvage cases before proceediugs, or of brimg loss expensivo tribunal. some less dilatory and less expo 18 ii3 and 1867 The Vice Admirnity Court Acts of e, 45) havo heen (2t Vict. \(c\), \(\%\), and 30 , 3 , phointment of Vice passed to facilitate thood and to extend their dimiralty ( \(o u r t s\) abrom and salvage se. The jurisdiction over claims to. salyage to salvage rxistinf rules and regulations as thiphing Aet, the are cmbodicd iut the Nere viii, the 24 \& 25 Vict. 17 \& 18 Viet. e. 10.f, part vin,' Amendment Act, c. 11 ; the Merchant Shippint 27 \& 28 Yict, c. 2.4 as 226 Vict. c. 63 ; nud t
\& 25, and are given helow. It appears from the prea 12 Ane, stat. 2, c. 18 in regarl to salvage, the ence so commom, of that the infumous practices, once so comm seizing \(f^{\text {lundering ships a riven on shat as lawful property- }}\) whitever eond be then then whlly abandoned; Wheck, hal not been was restored to the owner, or that, if the property was resto exorbitant, that the demand hor sain of the trader was the immethe inevitable rum of the trady those mischiefs in "inte consefuence. enacted that if a ship was in future, it was enacted or beine run ashore, the danger of being stranded, or betables, or offieers of sherift', justices, mayors, constables, or ongersoud the customs, nearest the place of damger, sand call upon application made to them, shom be thought together as many men as and for the preservaneeessary to the assictace and cargo ; and that tion of such ship-war, or merchantman shond if any ship, man-of-wa, the place of danger, the he riding at unchor near the phace oustoms might ronstables and wilicers of the customs ship the demand of the superior and such hands as could assistance of her boat, the superior oflicer shond he spared; and that, it the supe, he should forfeit refuse
1001.

And a clanse oo the same effect h
hodied in the Merchant Shippinf Act.er and the
We subjoin the clauses feference 10 salvathe.
bater statutes which have referened in the United
Sulruge for Serviees renares, viz.:-
Kiugdom.- In the fullow or boat is stranded or Whenever any ship of the shore of any sea or otherwise in distress on the the limits of the tidal water situate within the limits ored ho Enited kinglom, and serviecs are rendered by any person,
1. In assisting such ship or boat:
2. In saving the lives of the persons belonging to such ship or boat :
i. In saving the cargo or ap
or boat, or any portion thereor: is sared by any
And whenever any wreck is saved United person ot h
Kingdom:
There shall be payable by the owners of such ship or boat, cargo, apparel, or wreck, to the person by whom such services or any of them are rendered or low whom such wreck is saved, a reasonable amoint of salvage, together with all expenses properly incurred by him in the pertormance of such services or the saving of suen enses to be umount of such snlvage dispute in mamer hereindetermined (Sec. 458)

Sulvage for Life may be juid by hourth of Irade. - Sulvage for the preservation of the life ir Trade.- indy person or persons helowring to any ship or hont slall be pavable by the cware of the slap or boat in priority to all other clams for the shpe and in cases where such ship or buat is salvage; and where the value thereof is insufdestroyed, or where thent of the actual expensts tlecent, afer phy the nmount of satrage due in incmred, to pay respeet of any hife or ward the satror of sub muy in its aliseretion awarl to the saly of sates life or lives out of the Merenutile Marine Fund such sum or sums ans it deems tit, in whote or part satisfaction of any amonnt of salvage so left unpnid in respeet of such life or lives. (Nice. 4s: Disputes as to Saluage, how to be settled.Disputes with respect to salvare arising withia the boundaries of the Cinque lourts shall he determined in the mamer in which the san have hitherto been determined: but whanevi any dispute arises elsewhere in the Unital himb dom, between the owners of any such ship, lant. cargo, npparel, or wreck as aforesail, and tis salvors, as to the amonit of salvage, and be parties to the dispute cannot agree as to the settlement thereof by arbitration or otherwis.

Then, if the sum daimed does not exceel, such dispute shalt be referred to the arbitration! any two justices of the prace resident as fullone;

\section*{iz.}

In case of wreck, resident at or near the where such wreck is found.
In case of services rendered to any ship ar bist, or to the persons, cargo, or appare lupwing hereto, resident at or near the place where and ship or beat is lying, or at or near the ure fuit or place in the Uaited King dom buto which sade ship or boat is brought after the occurrene uf the ship or boat is beason whereof the elaim to alarace arcident by reason whe the elam to sarage

But if the sum elaimed exceeds 2001 .,
Such dispute may, with the consent of the Such hes, referred to the arbitration of wht pustices on aforesaid, but if they do nut corest hall in Eingland be decided by the lligh Court Admiralty of lingland, in Treland by the lint Court of Admiralty of 1relant, and in soothanty the Court of Session; subject to this provien, the if the claimants in such dispute do not feeme in such Court of Admiralty or Court of sme greater suin than 2001, they shall not, unleat court certities that the case is a tit oue to te trin in a expenses incurred by then in the prosention their clam.

And every dispute with respect to salvate mer And every modidicated upon on the applieman be heart and salior or of the owher of the neftot either of the salivor or of cetive agents. (1its salved, or of their
Vict. c. 101 s .400.\()\) mendment of summary hat
Extension and Amenament salvage cases by 25 is th diction in .-The provisions contaned in the eh c. 6 ort of the principal Act for givias sumit pursdiction to two justices in salvage case, ans jurisdiction unnecess?ry appeals and lingatata such cases, shall be amended as follows (bation say)-
. Such provisions shall extend to all cisiwhich the value of the property san the not exceed 1,0001 ., as wele aldet: provided for by the phall be henit to
2. Such provisions shan service bas whether the saivage limits of the the Kingdom or not:
3. It shall be lawful for one of her Mje
lic paid ly Borrd of preservation of the life ir cersons leflouging to any ayable lay the uwners of rity to alf other chams for here such ship or lasat in c value thereof is insurof the actuat expenses mount of salvage due in lives, the Boarll of Trate ward to the salvors of surl - Mercantile Marine Fum deems itt, in whule or !art mount of salvage so hit ch life or lives. (nec. Aind) Haye, how to be settlad,t, to salvate arising mithin he Cinque l'urts shall te namer in which the sam determined: but whenw sewhere in the linited hing wners of any such ship, that. wreck as aforesain, and tbr amount of salvare, and the ute camot agree as to th o arbitration or entherwio claimed does not exceratins ae referred the peace resident as follono
, resident at or near the pane is foumd.
es rendered to any ship of bunt, 4, cargo, or apparel limper lor near the place whete sarl ing, or at or neat the utes pur aited Kingdem into whide sach ought after the occurrence , the on \(w l\)
claimed exceeds anol. may, with the consent of the rred io the arbitration of sud senid, but if they do nt anm I be decided hy the ligh Curt nggland, in Jreland by the the alty of treland, and ins sounand sion; sulyject to this prowis, the os in such dispute flo not rembe If Admiralty or Court of s (avat an 200 ., they shall not, unle th hat the case is a it one folma rred' by them in the prosectitice
lispute with respeet to sillate wo djudicated upon on the applipura hivor or of the owher of the wif their respective ageats.
460 .) and Amendment of sammary hos whll Satuge cases The provisionse for giving anmary b two justices in salvage cases, with nneces: \(\because r y\) appeals and litutand hall be amended as follows (hatis?

rovisions shall extend to all ass I the value of the property symode xceed 1,000\%, as well as to : ded for by the prineipap heid provisions shall be service her the salvage service the cred within the limits of the cred or not: ill be lawful for one of her lime
primipul sercetaries of state, or in Irelamd for the Lord lieutenant or other chiet governor or governors, to appoint ont of the justhes for any borongh or county a rota of justices by whom jurlsalietion in salvage cases mall the exercined:
1. When no such rota is appointel, it shatl be lawful for the salvors, by writing alliressed to the justice's clerk, to mane one justice, and for the owner of the property saved in like manner to mane the other:
in le either party fails to name a justice within a reasomble time, the caso may be tried by two or more justices at petty sessions:
6. It shall be competent for any stipendiary maristrate, and also in Eingland for any coninty court judge, in Scotland fur the sheriff or sheritl substitute of any comuty, and in Irelund for the recorder of any bormugh in which there is a recorler, or fur the chasirman of quarter sessions in any cunty, to exercise the same jurisdiction in satuare cases as is given to two justices:
7. II shall be lawful for one of her Majesty's principal seeretarios of state to determine a somle of costs to be awarded in salvage cases ly any such justices or court as aforesail:
8. All the provisions of the prineipal Aet alating to summary proceedings in salvage cases, and to the prevention of muecessary appeals in such cases, shath, execpe so far as the same are altered by this Act, extend umb apply to all such proceedings, whether under the prine pal Aet or this Act. or hoth of such Aets.
Jumer in which Jasticess may decile Disputes.
- Vhencere, in pursuane of this det, any dispute
- to salvage is relerred to the arbitration of two
wice, the may either themselves oletermine the same, with the power to call to their assistance any person conversant with maritime affinirs as asicesor, or they may, if a difference of opinion arise linween then, or without such dilferenee, if they hink fit, appeint some person eonversant with maritime alfars as mupire to decide the puint in dispute; nud such justices or their umpire ohall tuake an award as to the amount of salvage patale, withan the following times, that is to ser, the said iustices within in hours after such dipute has heen referret to them, and the said unpire within 48 hours after his appointment, with jower nevertheless fior such justices or mapire by writing under their or his hands or hand to extemd the time within which they and he are herely respectively directed to make their or his anard. ( \(17 \& 18\) Viet. c, 101 s. dil.)
Costs of Arbitrution.--There shall be paid to every asessor and umpire who may be so mppinted as aforesaid, in respeet of his services,
Fuch sum, net exceeding 5h, as the Buard of Trade
nay from time to time direct; and all the costs
such arbitration, including any such payments aforesaid, shall he paid by the parties to the
ispute, in such manner and in such proportions
s the sail justices or umpire may direct by their This awarit. (sec, 462.)
Clause 1633 authorises justices or their umpire call for documents, and udminister oatlis.
Reveiver may appoint a Valuer in Suluaye Cases. Theneser aay salvage question arises, the celver of wreck for the district may, upon plication from either of the partics, uppoint a Hher to value the property in wespect of which esalsage claim is made, and shall, when the uation has been retnrned to him, give a copy the valuation to both parties ; and any copy of
such valuation, purporting to be sifued by the valuer, and to be atte eded by the receiver, shall be received in evidence in may subsegnent proeceding: and there whall be paid in respect of such valuation, by the party aplying tior the same, such fee as the lharil of 'Trado may direct.

Appeal to Courts of Almirally,-If aily person is afgrievel by the avard made by such justiees or umpire, he may in Dingland apreal to the High Court of Almiralty of Empland, in Ireinnil to the lligh Court of Nimiralty of Ireland, and in Scotland to the Court of Session ; but mo surd apreal shall be allowed unless the sum in disput? exced b0l, nor miless whithin 10 days after the late of the uward the appellant pives notiee to the justices of his intention to approl, sor unless the sppellmit proceeds to tako ont a monition, or to take such other proceeting as acoording to the practice of the court of npual is necessary for the institution of ma appeal, within 20) days from the rlate of the awarl. ( \(1 \%\) \& 18 Viet. c. 10.7 s. d 4.1. )
E.atending 17 \& 18 Jirt. c. 101, as to Chims fir Saluage of' Life. - All the provisions of 'the Merchant shipping Aet 18: la, in regard to salvare of life from any ship or boat within the limits of the Uaited Kingiom, slinll be extemeded to the salvare of life from any British shi", or boat, wheresocver the services may have been rendered, and from any foreign ship or boat, where the serviees have been rendered either wholly or in part in British waters.

Juriscliction of Court of Session in Salrage Cases.-1'he words 'Court of Session' in the \%bsth section ot the principal Act shall be deemed to mean and melude either division of the Court of Session or the lord ordinary ofliciating on the bills during vacation.
Clause 16 tion of 17 \& 18 Viet. c. 104 direets the justices to transmit copy of jruccedings and certiticate of vilue to court of appeal.
layment of Sulrage, to whom mate in cose of Dispute. Whenever the agpregate amount of salvage payable for salsage survies rendered in the United kingdom has been finally aseertaned either by ugreement or by the award of such justices or their umpire, but a dispute arises as to the appointment thereof amongst several clamants, then, it the nmonnt does not excect 2000., it shall he lawfil for the party linble to pay the amoment to apply to the receiver of the district for liberty to pry the amount to him; and he shall, if he think tit, receive the same accordingly, and grant a certificate momer his hand, stather the fact of such payment and the services for which it. is made; and such certitionate shall be a full diseharge and indemity to the person or persons to whom it is given, and to their ship, boats, cargo, apparel, and effects, against the claims of all persons whonsoever in respect of the serviees therein mentioned; but if the amount execeds 2001., it shall be apportioned in manner after mentioned. (Sec. 466.\()\)
Apportionment of Soltage.-Upon the receipt of any such amount as aforesaid, the receiver shall with all comvenient speed proceed to distribute the same among the several persons entitiod thercto, upon such evidence and in such shares and jroportions as he thinks lit, with power to retain any moneys that may appear to him to be payable to any absent parties; but any distribution made in pursuance of this section shall be tinal and conclusive against the rights of all persons claiming to be entitled to any portion of the moneys so distributed. (Sec. 467.)
Munner of rnforcing P'ayment of Salwage, Whenever :my salvage is che to any persun
under this Aet, the receiver shall act as follows 1 viz.:-
1. If the same is due hin respect of services renderel in assisting any ship or boat, or in saving the lives of persons belonging to the same, or the cargo or applarel thereof,
He shall detalia such ship or bont and the eargo ral apparel belonging thereto mutil payment is made, or proeess has been issued by some competent court for the detention of such ship, boat, cargo, or apparel.
2. If the same is due in respeet of the naving of any wreek, and such wreek is not sold as buclamed in pursuance of the provisions hereinather contained,
Ho shall detain such wreck motil payment is made, or process has been issaed in manner aforeraid.
llut it shall be lawful for the receiver, if at nuy time previously to the issue of such process security is given to his sutlafaction for the amomi of salvago duc, to releaso from his custedy any ship, Loat, cargo, appurel, or wreck detained by hing; and in enses where the claim for salvage exceeds 200\%, it shall be lawful in limgland for the lligh Court of Admiralty of limgland, in Ireland for, the High Court of Admiralty of Ireland, and in Scotland for the Court of Session, to determine any question that may arise concerning the amount of the sceurity to be given or the sutficiency of the surcties; and in all cases where boul or other seenrity is given to the receiver for an amount exceeding \(200 /\)., it whall be lawful for tho salvor or for the owner of the property salved, or their respective agents, to institute proccedings in such last-mentioned courts for the purpose of having the questions arising between them adjuliented upon, and the said eourts may entoree payment of the said bond ir other security, in the same mamer as if bail lad been given in the said rourts. (sice. tis.)

Pouser of heceiver to sell 1'roperty salecd.Whenever any ship, boat, cargo, apparel, or wreck is detained by any ruceiver for non-payment of any sums so due as atoresaid, and the parties liable to pay the same are aware of such letention, then, in the following cases; viz. :-
1. Jin cases where the amount is not ilispoted, and payment thereot is not made within 20 days ufter thic same has become due:
2. In eases where the amonat is cisputed, but no appenl lies from the tirst tribunal to which the dispute is refered, and payment thereof is not made winlin 20 days after the decision of such first tribunat:
3. In cases where the amomit is disputed, and an appeal lies trom the decision of the tirst nibunal to some other tribunal, and payment thereof is not made within such 20 days as last aforesaid, or such monition as hereinbeiore mentioned is not taken ont withiu such 20 days, or sueh other procecelings as are according to the practice of such otber tribunal necessary for the prosecution of an appeal are not instituted within suel 20 days,
The receiver may forthwith sell such ship, boat, cargo, apparel, or wreck, or a suflicient part thereof, and ont of the proceeds of the sate, atter payment of all expenses thereof, defray all sums of moncy due in respect of expenses, fees, and salvage, paying the surpius, if any, to the owners of the property sold, or other the parties entitled to receive the same. (Sec. 469.)

Sulject to Payment of Expenscs §c., Owner entithed to Wreck.-Subject to the payment of such expenses, fees, and salvage as aforesaid, the owner of any wreck who establishes his claim
hereto to the satisfaction of the recelver within vear from the date at which such wreck law "wnen into the posaession of the recciver, shand tue (intitled to hatse the same delivered up to him. ( 17 \& 18 Viet. \(\because 104\) \&. 170.)
Delivery of " \({ }^{r}\) rekek by Reveiver not to prejutim, Title,-Upon delivery of wrock or of the prowemile
 sumee of the provisions of the dighth jart of the principal Act, such receiver shall les dixchareme from all liabillty in respect thereof, but mile delivery shall not be deemed to, projutive or atmen any question concerning the right or title tur the said wreck which may be rnised by third partow, nor shatl any such dedivery prejurlice or dflect ans duestion concerning the thile to the soil on whit the wreek may have been found.

Nome of the previously mentioned clauses bate any force within the Cinque l'orts; but the lard Warden is directed by stat. 1 \& 2 (ieo IV. \(\mathrm{c}_{\mathrm{i}}\) to appoint three or more sulustantial personsin 'ach of these towns, who are authorised co decife unn all rlaims for serviees of any sort or descrimina remdered to any vessel, or for saving or prewt. ing, within the juristietion, any goods of merchandise wreekerl, strandel, ur cast away, ut liringing anchors or cables ashoro \&e, Xnemp. missioner can aet for any other pace than that in which, or within a mile of which, be resident. Either party may, within 8 dars af the award, declare his intelition of briming the matter beforo some competent Court of dimmiralty ; selecting, as he may julge best, the Aduirulty of Englami, or that of the Cinque l'orts. The provisions in this statute have brith culogised by Lord Tenterden fur the chatip and ease means they afford for settliur such yilestions.
Sultuge by Ships of War.-A gool deal it dincussion has taken place in regard to the clamos preferred by ships of war for salvage. In perime of war, when British merchantmen that bedn daptured by enemy's ships are reenpturen oy British whips of war, the latter are allowed a salvage of one-eighth part of the re-eapturel slipt and eargoes. (Stat. 43 (iec. I11, c. 160.) the same statute allows a salvage of one-sixth part on their value on ships re-eaptured by privates. We suljoin the elanse of the det:-

It my ship or vessel taken as prize, of anr groods therein, shall appear, in the Coun of Amiralty, to have helonged to any of this Majesty's sulbjects, which were before taken ts any of his Najesty's cuemios, and at any time afterwards retaken by any of his Majestys dips ar tany privateer, or other shif:or vessel under mis Majesty's protection, such ships, resels, and groods shall, in all cases (save as hereafte isecpted), be adjudiged to be restored, and slall to accordingly restored, to such former owner or owners, he or they paying for salvage, if retaikis ly 'any of his Majesty's ships, one-eighth jart of the true value ther of, to the llag officers, cupains de., to be divided as the same Aet directs; and if retaken by any prirateer, or other suip or vesel. one-sixth jart of the true value of such ship and goods, to be paid to the owners, oticers, and seamen of such privatecr or other vessel. withont any deduction; and if retaken by the jant operation of one or more of his Majesty's ships, and one or more private ships of war, the judge of the Court of Admiralty, or other court haring cognisanee thereof, shall order such salvay, and in such proportions, to be paid to the captors by the owners, as he shall, under the circumstances of the ease, deem fit and reasonable; but if such recaptured ship or vessel shall appear to have
on of the recelver within! which such wreek has "ome of the receiser, shall ter same delivered up to him. 470.)
ioy Receiver not to prejualie, of wreck or of the! 1 rueceid siver to anty parson in puras of the cightith part of the. ecelver shall bos dischargont respect thereof, but suct leemed to projudice or attoct ing the right or title th ther y be raised by third parties fivery prejudice or aflect any We title to the soil on whild been found. usly mentioned chased law Cinque I'orta; lut the lorl by stat. I \& 2 Gero, IV, c, if ore substantial gersons in wach are authorised to decite upyo es of any sort or desciption isel, or lor saving or prestr isdiction, any goods of merstrmided, or cast away, or r cables ashore \&.c. Nucime for my other phace than that in a mile of which, he is party may, within 8 days on his intention of brimping the e competent Court of Dimaias he may judge best, the land, or that of the Curgue ions in this statute have bund 'Tenterilen for the chap aud affurd for settling such gues-
ips of Wur.-A good ileal at en place in regard to the clamof war for salvage, In prishls ritish merchantmen that have cnemy's slips are recenptued by war, the latter wre allowed hith jort of the recenf furel shipe at. 43 tieo. 111 . c. 160. ) the vs a snlvage of one-sixth jar tif hipss re-captured by pratero :anse of the Aet:-
r ressel token as prize, of an? hall nyear, in the Court if have belonged to any of the Which were lefore taka be ity's enemies, and at any time at by any of his Majesty s infa. or other shif or vessel mader lias tion, such ships, ressed, ard lll eases (save as hereafor is neel to be restored, and shall te ored, to wuch former owner ar ey paying for salvage, if rethitio Iujesty's ships, one-eighth part (i) ercof, to the llag oflicers, eaptains I tas the same het direets; and privateer, or other sinip or resel, the true value of such ship and id to the owners, otifect, and orivateer or other ressel, withour and if retaken by the joint or more of his Majesty's ships, private ships of war, the judte Almiralty, or other court haring cof, shall order such salvane, and ous, to be paid to the captors by re shall, under the circumstanic on fit and reasonable; but if sula or vessel shall apnear to hare
been set forth by the chemy a a ship or vessel of war, the satid thip or vessel shall not he restoreal to the former owners, but whall in all conses, whether retaken be suy of his Majesty's nhips or hay privater, be adjuidged lawfol prize for the benefit of the captors.,
Sins, it is contended that if andvage from parila of the sea be allowed fol gneen's ships, it shoukd not in any rase exceed this amomut, lhat it is nor, ued by others, that salvage to (Queen's ships, arn to dids extent, is objectiomable; that they ur" cmployed by the publis for their security and protection; and that whathery are nasistiag in savime lives or property from shipwreek or ot heer samaty, they are merely doing their duty, aud are not entizled to any peculiar gratuity or reward. tad on cencral principles we are inclined to think that this is the correct viow of the mater ; and that it ls the bounden lluty of (Queen's ships to render gratuitously every assistance in their puwer to merchantmen in distrese,
This however, is a practical rather than a therretical question. Aud the zeal of sailurs fit the diveharge of a perikons duty may, perhaps, be atarphed by their being aware that by its succesful performance they will entitle themwases not merely to the pmblic thanks, but to \(n\) comdderable peciniary reward. lhat it could not sutely be meant that ofleers nud men belonging to thi royal nary were to be allowed equal claims forsalvage as private parties, or that they were to be entiched at the expense of those whose property they had done their duty in helping to save. And yet cases have oceurred which it is. yery dificalt to explain on any other principle than flis. It is not, therefore, surprising that the elaims for salvage put furward by (queen's shigs should, of late years, have been much canraserd and objected to. Wo subjuin the remutans which the Derchant Shipping Act of fsil has daid down in regard to the making up and prosecution of such claims. But thongh it has mended some of the abuses eomplaned of, it will not sutliee for their eradication. Nothiner would be so ethectual for this purpose as to limit the mariman elam for salvage jat forward by Gucen's shijes to one-cishth part of the value of the property saved, as in cases of re-eapture. It is dillieule to see what greater merit can attech to saving property from shipureck than to recovering it from an cnemy.
Saltage by her hijesty's ships.-In cases where salvage services are rendered by anv ship belonesing to her Dtajesty or by the commander or crew theref, no clails slatl be made or allowed for any loss, damaze, or risk thereby eansed to such shij, of tu the stores, tackle, or firmiture thereof, or for the use of any stores or other articles belonging to ber Majesty supplied in order to effeet such servees, ur for any other expense or loss sustained by her Majesty by reason of such services. (Ser. 181.)
Cluins for Sahage by her Mujesty's Offieers not to be determined without Consent of Admiralty,Do dain on account of any salsage services readered to any ship or cargo or to any appurtenances of any ship by the commander or crew or part of the crew of any of her Majesty's ships shall be fin:" adjadicated upon unless the cunsent of tise Admiralty has lirst been obtained, such conscat to ber signitied by writing under the hand of the seccetary to the Almiralty; and if any person who ias originated proceedings in respect of any such claim fiils to prove such consent to the satisfaction of the court, his suit shall stand dismissed, and he shall pay all the costs of such proceedings; provided that any
focmuent putporting to givo such consent and to be signed hy the serretary to the Admiralty shall be primi facie evidence of such consent having been given. (sice. Ist.

Strps to be twhen when Sultage Services hare ben renderal \&e-Whenever acrvices for whith mivage is clanmed are romberd to any wip or a urgo, of to any part of them, or to any npmartenateen of aty ship, at my place ont of the United Kingdom and the four seas adjoining thereto, hy the commander or crew or purt of the crew of any of her Malesty's mipos, the property alleged to he salved shath, if the sulvor la justitied by the circumstame a the ease in detaining it at all, be taken to wome prort where there is either a consular otlieer or a viee-admiralty court ; and withla \(\quad \mathrm{l}\) hours after arriving at such port, the said shlwor and the master or other ferson in -harge of the property nliged to be salved shall eath teliver to the consular otheer or vede-admiralty jubue there, a statement yeritled on oath, suecifying, so far as they respectively can, and so far an the particulars required apply to the ease,
1. The phace condition, and circumstances in which the sail ship, cargo, or jroperty was at the time when the services were rendered for which salvage is elamed.
2. The nature and duration of the services renderal.
And the salvor shall add to his statement,
i. The proportion of the value of said ship, cargo, and property, and the freight which he elams for salvage, of the values at which he estimates the said ship, freight, cargo, and property respeetively, and the several amounts that he clams for salvage in respect of the same.
4. Auy other cireumstances he thinks relevant to the said claim,
And the said master or other person in charge of the said ship, eargo, or property, shall add to his statement,
3. A enly of the eertificate of registry of the said ship, and of the indorsements thereon, stating any change which (to his knowledee or belief) lans oceurred in the particulars contaned in such ecriticate; and stating also, to the best. of his knowledge and buliet, the state of the tithe to the ship for the time being, and of the incumbranees and certifieates of mortgage or sale. if any, alleting the same, nam the names and phaces of business of the owners and inemmbrameers.

I, The name and place of bw iness or residence of the freighter (it any) of the said ship, and the freight to be paid for the vovage she is then on.
o. A gencral aceount of the quantity and nature of the cargo at the time the salvage survees ware rondefed.
d. 'The uame and place of business or residence of the owner of such cargo and of the consignee thereot.
T. The value at which the said master estimates the said ship, cargo, and property, and the freight respectively, or, if he thinks fit, in lien of such estimated value of the cargo, a copy of the ship's manifest.
8. The amomes which the master thinks should be paid as salvige for the services remdered.
9. Ant accurate list of the property saved, in eases where the ship is not saved.

LC. An account of the proeceds of the sale of the said ship, cargo, or property in cases where the same or any of them are soll at such port as aforesaid.
11. The number, capacities, and condition of the crew of the said ship at the time the said services were rendered.



IMACE EVALUATION


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I.. Any other eireumstanees he thinks relevant 1: the matters in question.
13. A statenient of his willingness to exceute a bond, in the form in the table marked W. in the selhedule to this Aet, in such amount as the said consalar officer or vice-admiralty judge may tix. (Sect. 186.)

Consular Officer or Jutye to fix Amount for which a Bond is to be given.-The said consular officer or judge, as the case may be, shall, within 4 days after receiving the nforesaid statements, lix the dumomt to be inserted in the said bond at such sum as he thinks sufficient to answer the demnnd for the salvage services rendered; but such sum shall not exceed one-half of the value which in his estiantion the said ship, freight, and cargo, or any parts thereef in respect of whica salvage is elained, are worth; and the said oflicer or judge mny, if cither of the nforesaid statements is not delivered to tim within the time hereby required, proceed ex-parte, but he shall in no ense under this Aet require the cargo to be unladen; and the said ronsular oflicer may, in any proceeding under this Act relating to salvage, take affidavits and receive affirmations. (Sec. 487.)

On Master exccuting Bonul, the Right of Detention to cense.-The said consular officer or judge shall send notice of the sum which he has tixed its aforesaid to the said salvor and the said master; and upon such master executing a bond in form as aforesaid, with the said sum inserted therein, in the presence of the saidofficer or judge (whoo shall attest the same), and delivering the snme to the said salver, the right of the said snlvor to detain or retain pessession of the said ship, eargo, or property, or any of them, in respeet of the said salvage claim, shall cease. (Sec. 483.)

Provision for additional Security in Case of Ships ouned by Persons out of her Majesty's Deminoons.-If the ship, cargo, or property in respect of which the elaim for snlvage is made is not owned by persons domiciled in her Majesty's dominions, the right of the snlvor to tetain or retain possession thereof shall not cease unless the master procures, in addition to the suid bond, such security for the due performance of its conditions as the said efficer or judge considers sufticiont for the purpose, and places the same in the possession or custody of the said oflicer or judge, or, if the salvor so desires, in the possession or custorly of the said officer or judge jointly with any other person whom he appoints for the purpuse. (Sec. 489.)

Documents to be sent to England.-The said eonsular otheer or judge shall at the earliest epportunity transmit the said statemenis and documents so sent to him, ard a notice of the sum he has fixed as aforesaid, to the Iligh Court of Armiralty of Enghanct, or if the said salver and the said master or other person in charge as aforesaid agree that the said bond shall be adjudicated upon by any vice-admiralty court, to such court. (Sec. 490.)

IHom the Bond shall bind.-The said bond shall bind the respective owners of the said ship, freight, ant cargo, and their respective leirs, executors, and administrators, for the salvage adjuctged to be payable in respect of the said ship, freight, and cargo. (Sec. 491.)

Clause 492 specifies the court in which such bonis are to be adjudicated on.
Clause 493 gives power to the High Court of Admiralty to enforce bonds.

Saving Clause.-Any salvor of any ship, cargo, or 1 roperty who elects not to proeced under this Act shall have no power to detain the said ship, cargo, or property, bnt may proceed otherwise for t!e enforcement of his salvage elaim as if this Act
han not been passem: and nothing in this contained slanll nbridge or aflect the rights snlvors, except in the cases by it prorided fi, (Sec. 19\%.)

Documents free from Duty.-All bonds, sta ments, acreenients, and other doenments male exceuted in pursuance of the eighth part of th Act [Werck anis Sulyage], shall, if so made excented out of the United Kingrlom, be exemg from stamp duty. (Sec. 495.)
Puishment for Forgery and fulse Ripresentation - Every person who, in any proceeding under the. provisions contained in this Act relnting to salvare by her Mnjesty's ships, forges, assists in forgiar, or procures to be forged, or fraudulently altered nuy tocument, and every person who in any such proceeding puts off or makes hase of any surli forged or altered document, knowing the same in be so forged or altered, or who gives or make, assists in giving or making, or procures to be give or made, may false evidence or representation, knowing the same to be false, shall be panishable with imprisonment, with or without hard labour, for any period not exceeding 2 yents, or, if summarily prosecuted and convieted, by imprisonnent. with or without hard lnbeur, for any perid ant excercling 6 months. (Sec. 496.)

Ioluntary Agreement may be made uthich shall have the same Effect as the Bond above mentived. - Whenever services for which salvage is chainet are repdered either by the commander or crew or part of the erew of nuy of her Mnjesty's ships of of any other ship, and the snlvor voluntarily agrees to abandon his lien upon the ship, eargo, and priperty alleged to be salved, upon the master or other person in chirge thercof entering into a written agreement attested by two wimesses to abide the decision of the said IIigh Court if thmirnlty or of any vice-admiralty court, and thereby giving seenrity in thant behalf to such amount as may be agreed on by the parties to the snid agreement, such agreement shall bind the mid ship and the said eargo and the freight payable therefor respectively, and the respective owners of the snid ship, freight, and eargo for the limebeing, and their respective heirs, executers, and aduminitrators, for the salvage which may be adjudged to be paynble in respect of the said ship, carge, and freight respeetively to the extent of the security se given as aforesaid, and may be adjudicated upon and enforced in the same manner as the buntio previously provided for in the ease of detention in: salvage services rendered by her Majesty s ships; and upon such agreement being made, the salv: and the master or other person in charge as abresaid shall respectively make such statements \({ }^{4}\) before required to be made by them in case of a bent being given, exeept that such statements need not be made upon oath ; and the salvor shail. i.s soon as practicable, transmit the said pgreeme... and the snid statements to the court in which the said agreement is te be adjudicated upot. (Sec. 497.)

Pourers for Courts to apportion Solvage.-Whenever the aggregate amount of snlvage payable in respect of salvage services rendered in the United Kinirdom has been finally ascertaiad, and exceeds 200l., and whenever the nggregate amodm: of salvage payable in respect of salvage serviees rendered elsewhere has been tinally ascertained, whatever such amount may be, then if any delay or dispute arises as to the apportionment thereof, any court having admiralty jurisdiction may causc the same to be apportioned amongst the personis entitled thereto in such manner as it thinks just: and may for that purpose, if it think fit, appoint any persen to carry such apportionment into cffect
teel: and nothing in this Aot oridge or aflect the rights if the cases by it provited for.
from Duty.-All bonds, state , aud other tocuments made on , anee of the eighth part of this Shivage], shall, if so nade or e United Kingloun, be exemp (Sce, 495.) orgery and false Representations ho, in any proceeding under the al in this Act relating to salvage ships, forges, assists in forgia, forged, or fraudulently altered, I every person who in any such off or makes tise of any sarh locument, knowing the same in ered, or who grives or makes, 1 : - making, or procures to be given lso evidence or representation, to be false, shall be punishable it, with or without hard labour, \(t\) exceeding 2 years, or, if sumand convicted, by imprisonasent. lintd labour, for any peri 11 nm lis. (Sec. 196.)
eement may be made which shall ect as the Bond ahove smentived, iees lor which salvage is claimel \(r\) by the commander or etere or f any of her Majesty's ships sur of nd the salvor voluntarily agrees on upon the ship, eargo, and pribe salved, upon the matet or charge thereof entering into a it attested ly two wimeses to n of the said Iligh Court of tlany vice-admiralty cunt, and security in that behalf to such e agreed on by the praties to the ueli agreement shall biad the sid d cargo and the freight payable ely, and the respective owners of rht, and cargo for the lime being, ve heirs, executors, and adainai* lwage which may be auljndged to pect of the said ship, carge, and ly to the extent of the security esaid, and may be adjudicated In the same manner as the benis ed for in the case of deteation fo: endered by her Majesty's ships; greement being made, the salvor other person in charge as afore ively make such statconents \({ }^{83}\) 0 be male by them in cass of a a, except that such statements
upon oath; and the salvor shall upon oath ; and the salvor shall able, transmit the said agreement: ements to the coart ia which nt is to be adjudicated upar.
ts to tpportian Salvage,- Wheate amount of salvage payable vage services rendered in the has been finally ascertaiard, and whenever the aggregate amount c in respect of salvage services re has been tinally ascertained, ount may be, then if any delay, as to the apportionmeat there0, admiralty jurisdiction may cause pportioned amongst the persons such manner as it thiaks just: purpose, if it think fit, appoint such apportionmeat into effect.

3yd may eompel any person in whose hands or under whose control such amount may be, to distribate the sume. or to bring the same into sourt, th be there denlt with as tho court may direct, and may for the purposes aforesaid issue such manitinis or other processes as it thinks tit. (17 © 18 Vict. e. 101 s. 498.\()\)
"The arent for her Majesty's ship or his subareat is authorisel to take steps and proceedings on the part of the officers and erew in case of salvare services rendered to any ship or cargo, or otherwise, within the meaning of the enactinents for the time being in force relating to merchant Wijping. (27 \& \(\because 8\) Vict, c. 2t s. 12.)
Distribution of Salverfe, Bounty, Prize, and other Money.
Tuxution and Payment of Costs of Officers and Crear, Agcuts \(\& \cdot c\).-Where, in any of the several caics aforesuid, any money is distributable anong the officers and crew of nuy of her Majesty's slips of war, the costs, elarges, and expenses of the officers and crew and of the ship's agent, and all other (if any) costs, charges, or expenses properly elargrable against that money, shall be puil thereuat before cistribut:on thereof, all sueh cots, charges, and expenses being tirst taxel and allowed by the proper offieer of tho court having juristiction in the ease, and if there is no such fourt, then liy the Registrar of the High Court of Admizal!!.

Sudrage, Bounty, Prize, and othe, Voney to be distributed according to Order in Council \&.c.In the several cases aforesid, money distributable among the offiecrs and crew of any of her Injesty's ships of war, so fir as full provision repectivg the distribution thercol is not made by or under any Act of Parlinment other than this ate, shall be distributed under the direction of the Lords of the Ahmiralty in the shazes in that behalf specitied in any royth proclanation or order in culveil.

\section*{Prize Salvage.}

Sulage to Re-captors of British Ship or Goods from Ninem!.-Where any ship or goods belonging to any ot lier Najesty's suljeets, after being taken as prize by the enemy, is or are retaken from the enemy by any of her Majesty's ships of war, the same shall le restored by deeree of a prize court to the owner, on his paying as prize salvage oneeighth part of the value of the prize to be decreed and ascertained by the court, or such sum, not excealing one-cighoth part of the estimated value of the prize, ns may be agreed on between the owner and the re-captors, and approved by order of the court; pro:ided that where the re-eapture is made under circumstances of special difficulty or danger, the prize court may, if it thinks fit, awarl to the re-enptors as prize salvage a la ger part than oneeighth part, but not exceedirg in any case ousfuurtl part, of the value of tle prize.
Provided also, that where a ship after being so taken is set forth or used hy any of her Majesty's enemics as a slip of war, this provision for restitution shall not apply, and the ship shall be adjadicatel on as in other cases of prize.
Permission ta re-captured Ship to procced on Joyage--Where a ship belonging to any of her Majesty's subjects, after being talsen as prize by the encuy, is retaken from the enemy by any of her Majesty's ships of war, she may, with the consent of the re-eaptors, prosect te her voyage, and it shall not be necessary for the re-captors to proceet to adjudication till her return to a port of the Luited Kinglom.
The master or owner, or his agent, may, with
the consent of the reoripitora, tulond and dispose of the goods on board the ship, before adjudication.
In case the ship toes not within six months retunt to a port of the United Kingdom, the re-captors mny nevertheless institute proceedinga against the ship or goods in the Iligh Court of Admiralty, and the court may thereupon award prize salvage as aforesaid to the re-captors, and may enforee payment thereof, either by warrant of arrest against the slip or goods, or by monition and attachment arninst the owner.
In the case of nent ral ships captured by an enem: and retaken by British men-of-war or privatecrs, the Courts of Allmiralty have a discretionary power of allowing such salvnge, and in such proportions, as, under the eircumstances of cach particular ease, may appear just; but there is no positive law or binding regulation to which parties may appeal, for asceratining the rate of such salvage. 'The maritime law of England,' says Lord Stowell, - laving adopted a most liberal rule of restitution on salvage, with respect to the re-captured property of its own subjects, gives the benefit of that rule to its allies, till it appears that they act towards British property on a less liberal principle; in such case it adopts their rule, and treats them according to their own measure of justice.' (Rob. Adm. Rep. 54.)

Snl-age is one of those charges which are usually prozided ngainst by insurance: When, however, the salvage is very high, and the object of the voynge so far defented, the insured is, by the laws of this and all other maritime nations, allowed to nbandoin, and to call upon the insurer as for a total loss. [Anandonment.]

For further informaion with respect to salvage, see Abbott On the Law of Shipping, part iii. c. 10, and Maude and Pollock on do., c. 10.
SAMPLE. \(A\) small quantity of a commodity exhibited at public or private sales, as a specimen. Sugars, spirits, wine, coffec, and, indecl, most species of merehandise, are sold by sample. It an article be not, at an average, equal to the snmple by which it is sold, the buyer may cancel the contract, and return the article to the seller.

Subjoined is a list of most artieles that may be warchoused, and of the quantities that may be taken out as samples. (Customs Min., Oct. 11,


repioca
tsut in tonilon samples are allowed according to the scale follow
lung, vi2.:-
 trade.
Wine
Vermicelll : : \(\mathbf{3}\) glls per each cask.
Note.-Samples of splifts and ger ware are of 3 glls each ; but adilithonal samples are allowed duty free, as the goodt are required-ior home consumption, removal under bond, or expurtatiun.
SANDAL WOOD. The wool of a tree (SantaInn album, li: in.) having somewhat of the appearnnce of a large myrtle. It is of a deep yellow colour, and vields an agrecable perfume. The tree, when eut down, is usually about 9 inches in diameter at the root, but sometimes considerably more. After
being felled, it is larked, cut into billets, and buried in a dry place for about a couple of months, during which time the whito mints cat off the onter wood, without touehing the heurt, which is the sandal. It is then taken up and sorted, according to the size of the billets. The deeper the colour, und the nearer the root, the ligher is the perfume lieject such preces as are of a palo colour, small decayed, or have white wood abont them; and take especial eare that it be not mixed with wood resembling sandal, but vithout its perfume (Milburn's Orient. Com.)

Sandal wood is extensively employed by the IIindous as a perfume, in their funeral ceremonies. But the Chirose are its principal consumers. They manufacture it into fans, and small articles of furniture, and use it, when ground into powtier, as a cosmetic. During the year ended Dee. 31, 1848, there were imported by British vessels into Canton 20,732 piculs of sandal wood, valued at 207,400 dollars (see ante, Canton); and tho imports in some years aro more than twice this amount. The average importation into Calcutta is about 200 tons a-yeur. It grows principally in Malabar, in the mountainous conntry at a littledistance from the low sea coast ; in Timor; and in the Fejee Islands in the South Sen. Calcutta is principally suplied from Malabar, while China derives the larger portion of her supplies from Timor and the other islands. It is seldom brought to Europe, except by individuals for their own use, or as presents for their friends. (Bell's Extcrnal Com. ©f Bengal, pp. 49 and 85; Crawford's Indian Archipelago, vol. iii. p. 12 I dc.)

There is also a red sandal wood which is used for dyeing, of which we imported 1,191 tons in 1867 , valued at \(0,870 l\).

SANDARACH. Aresinous substance, commonly met with in loose granules a little larger than a pea, of a whitish yellew coleur, brittle, inllammable, of a resinous smell, and acrid aromatic taste. It exudes, it is said, in warm climates, from cracks and incisions in the cemmon juniper bush. It is used as a varnish, dissolved in spirits of wine, and the powder is used under the name of ponnce, to give writing paper a surface after crasure. (Aiuslie's Mat. Indica; Brande and Cox's Dictionary of Sciencc.)
SANDWICII 1SLANDS. This remote but interesting group is situated in the midst of the Dacific Ocean, between \(18^{\circ} 50^{\prime}\) and \(2.2020^{\prime} \mathrm{N}\). lat., and \(155^{\circ}\) and \(160^{\circ} \mathrm{W}\). long. It comprises 8 inhabited and 4 uninhabited islands; Owhyhee, where Captain Cook was killed, being the most considerable. They are of voleanic formation, and mountainous, some of the peaks rising in Owhyhee to between 13,000 and 14,000 fect in height. By census of 1861 the total population was ti9,800, of whom \(67,08.1\) were natives. It is a curious fact that the native population has been rapidly decreasing for some years past. The islanders are honourably distinguisiod among the l'olynesian nations by the advances they have made in civilisation, and particularly by their progress in manufactures, navigation, and commerce. Christianity was introduced by the American missienaries in 1820, and is now the rel.gion of the state; schools have been established, churches have been built, and the forms of religion are pretty well observed. European usages have become fashionable; and the costume of the better classes, women as well as men, closely resembles that of the Americans. The ehief products of the islands are sugar, wool, cotton, coffee, oranges \&c.
The principal port is IIr 4 olulu or IIonorora, on the south side of the i .land of Wonhoo, in lat.
\(-1^{\circ} 30^{\prime} \mathrm{N} ., \operatorname{long} .158^{\circ} \mathrm{W}\). Population estimateda 14,000 in 1863, Americans, and uther forifylet The harbour, to which the phace owes all its in portanee, has a nurrow entrance, but it is etisy, access at all times of the tide to vessels not draw ing more than 18 or 19 feet water. The llawaia Government completed in 1866 the erection \({ }^{\text {i }}\) most excellent wharf suitable for steaners. Th bar at its month, on which there is a depth of:? feet, being narrow and composed of soft coral. it might easily be mado accessible even for line in buttle ships. Coal could be had here in detio at from 41s. to 56 s . per ton.
The Sandwich Islands have been risited for a considerable number of years past by the whalia; ships and traders in the Pacific. Since the settlement of Oregon and California, and the tisemery of the gold tields in the latter, they have acquirme great additional importance, from their peculiar aptitude to serve as a station for the shijes and steamers engaged in the trade between these countries, Australia, and China. In consequence, the town of Ilonolula has increased so that the gromen around the harbour is entirely ocetpied with houses and warebouses. The produce of the islands has also risen rapidly in value from its being in great demand for the provisionang of ships; and in the view of increasing its supply and of making up for the deficiency of the native population, it has been proposed to iatroluce Chinese labourers into the islands. The frequeary of desertion among their crews has beea the principal obstacle in the way of ships touding at LIonolulu; but this, no doubt, will only be a temporary evil, and will end with the cessation of the peculiar circumstances to which it owes its origin. A considerable number of ships belong to the port, owned partly by natives, but principally by forcigners.
From the Report for 1866 of the British ConsulGeneral resident at Honolulu, it wond apear that the trade with the United States is steadily increasing, and that both the exports and imports for 1866 were greater than thos of \(18 \%\) the exports of cotton, in particular, having doubled.
The actual expense of protheing strgar on ait ord plantation, free from encumbrance, probably dw: not exceed 3 cents (equal to \(1 \frac{3}{4} d\). ) per lb, fit all grades manufactured.
According to a table published in the "Commercial Adyertiser' of Honolulu, 33 sugry piantations are in operation or getting readr, 解 0 which report 10,266 acres planted with eme, nud the monthly expenses 49,917 dollars, equalling in English money about 9,86il.
The capital invested, including, two estates not reported in the above, is over \(2,000,000\) dollar: ? in English money 400,000 . (Mr. Coasul-Gentral Wodehouse's Report.)
A newspaper in the English language is pidblished in the town, in which we hare notied advertisements of ladies' shoes from Paris eall de Cologne, ices \&c. The sovercignty of thee islands was ceded, in February 1843, b, the British; but the cession was declinel by the ndmiral commanding in chief in the latitic. King Kamehameha \(V\), at present (lv69) ruins over them. (Geographical Dictionary, art. 'Polrnesia;' Simpson's Sandwich Islands; Consular Report.)
SAN FRANCISCO. 1 eity and seaport of the United States, in. California, on the south promontory, dividing the great bay of saa Francisco from the Pacific, inside thr bay, and a short way to the south of its entrunce. The latter, now called the Golden Gate, little more

\section*{Francisco}

WW. Popnlation estimaf(d) at ericans, und other formingets. ch the place owes atl its itr. ow entrance, but it is easy of of the tide to vescels not draw. 19 feet water. The llawaina eted in 1860 the erection \(:^{7}\) a rf suitable for strames. The n which there is a depth of: ind composed of solt cural, it do accessible even for liment could be hatd here in lowo per ton. pernds have been visitel for a or of years past by the whiline ithe Iracific. Sinee the setticColifornia, and the diseovery ithe latter, they have aequired nportance, from their peculiat as a station for the shijus an! n the traile luetween these cound China. In consequence, the has increased so that the gromat ur is entirely oceupied with 10uses. T'be produce of the isen rapidly in value front its mand for the provisioning af view of increasiug its suphid for the deficiency of the native 3 been proposed to introduce nto the islands. The frequenc: ng their crews has been the in the way of ships touchins this, 110 doubt, will baly be a and will end with the cessaiar circumstances to which it A considerable number of ships \(t\), owned partly by natives, but cisners.
\(t\) for 1866 of the British Consulat Honolulu, it would appear h the United States is steadily hat both the exports and imre greater than thoe of 180.0 , cotton, in particular, harint
nse of producing seggr on an od om encumbrance, probably de: (cqual to \(\frac{1}{4} d\).) per lb , for ill cd.
table published in the "Com' of Honolulu, 33 sugar hantaation or getting ready: \(3^{t 1}\) of 6 neres planted with cune, and ases 49,917 dollars, equalling in out \(9,861 /\).
sted, including two estates not ve, is over 2,000,000 dollars, ot 00,000 . (MIr. Consul-Gopetal
the English language is pubn, in which we have maticed ladies' shoes from l'aris, caa c. The sovercignty of thee , in February 18i3, wh the cession was declinet by the ng in chief in the Padif. V. at prescnt (1869) ripas aphical Dictionary, art. PolySandwich Islands; Considar
CO. A city and setport of in Californial, on the sonth ng the great bay of saa Pacifie, inside thr bay, and south of its entrauce. The he Golden Gate, little wure
han a mile in width, has, on its south side, an old Spanish fort, with a light, in lac. \(370 . \mathrm{J}^{\prime} 31^{\prime \prime} \mathrm{N}_{\text {, }}\), long. \(122^{20} 27^{\prime} 38^{\prime \prime}\) W. There are also lights on Bonita and Aleatras Island. Huving passed the fort, the course to the town is nearly li. from 3 to 4 m., and then S. and W. about as much more. flie city is at the bottom of a bay, skirted by extensive thats, some of whieh have been formed into docks. Its growth has been quite extraordiary. barly in 1848 it consisted only of a few rude calins; whereas it has now an exchange, a theatre, a custom-house, sundry ehurehes and other public buildings, with great inumbers of private honses, many of wood, but many, also, of adobe (sun-driet) and burnt bricks, and \(n\) vast number of tents aud booths. And while such is the metamorphosis on shore, her waters, formerly quite deserted, ate crowded with ships nad stemmers from all parts of the world. Over 100 steamers aro employed in the inland waters of the State, 87 of which, measuring 20,460 tons, are registered in san Francisco; and the customs receipts in I867 anounted to \(7,442,881\) rold dollars: the total internal revenue for the samo year being \(3,899,626\) dollars currency. San Francisco is indebted, as everyone knows, for this all but miraculous transformation, to the discovery of geld deposits an the bets of the tributaries of the sim Jontuin and Sacramento rivers, which full into her bny, and in the quartz of the contiguous mountains. Such, however, are the allvantages of her situation aud the iertility of the auljacent country, that the whanstion of the gold deposits, though it mirht check for a while, would not jermanently atleet the growth of the city, or the extent of her trade.
Toobriate the shallowness of the water chase to the town, a wharf 2,300 feet in lengeth has been projected into the bny, and to it all sorts of vessels are safely moored; and besides docks, every dflort is being made to provide the necommodntion necessary for the rapidly increasing trade of the tuwn. San Franciseo stands on a sandy level; and during the rainy scason, when it is most crowded, the streets were at first mero ptidilles, into whied carriages sunk to the axles; while, in the dry season, the amoyance lrom lust was all but intolerable. These inconveniences have th a grent extent been obriated by thooring the streets, or covering thent with stont phank-a process which has been carried to a great extent, and has had the most complete success. The city has sulfered much from tires, by which, indeed it has been repeatedly laid waste. These, howerer, have been speedily repaired; and in in few weds no traces are seen of the most destructive contlagrations. As houses of brick or stume are substituted for those of wood and tor lents, tires will doubtless become less frequent and less destructive.
The population of San Francisco is the most motley that can be imagined; for, though Americans predominate, a large admixture is to be seen of adventurers from all parts of the world. Gauldian is very preaclent, and is, perhaps, carried on to a greater extent here, during the raing season, than in nny other piace cither of the New or the Old Work. But this is the natural result of the circumstances under which the popnatation has been brought together; and the passion will, no doubt, abate as the circumstances in which it originated change or lose their induence, Lyach law has been here reduced to a systen, and carried to a greater extent than anywhere clse. Yet, despite the gross abuses to Which it unavoidably leads, it is the general opinion that it could not have been dispensed with.

A sense of its necessity has led, not only to its being adopted, but to its being generally npproved. And the fewness of the crimes, ennsidering the many desperato characters in the place and the temftations in their way, is asseribed to the promptitule nud severity of the pmishment with which they are mostly followed.
Nowhere in the word was there so great a disparity between the sexes as in San Francisco; there being at one time from 3 tu 5 men for 1 woman. Hat this dispurity hats greatly lessened, as will be seen lrom the nimexed table, and with it some of the worst features in the condition of the population.
The population of the city differs widely at elifferent periods, the wet and dry seasons. The following statement, extracted from the loeal Direetory, is given in Mr. Consul Booker's Report of March 18t8:-
```

White malus over 21 years of age
White males atad fenales under depal ist
Chinese males and tomales
toloured males and femates
Floating population

```
\begin{tabular}{|c|}
\hline \multirow[t]{6}{*}{45,00} \\
\hline \\
\hline \\
\hline \\
\hline \\
\hline \\
\hline
\end{tabular}

Though by far the largest and most important town in the State, it is not its capital. That distinction has been conferred on San José, vecanse of its more central situation.

The newspaper press is as getive and flourishing in San Francisco as in the other great eities of the Union. The Alta California, in pnrticular, and some of the other pajers, display considerable ability.
The bay of San Francisco, though, as already stated, it has a narrow cutrance, expands withun into one of the noblest basins that is anywhere to be met with, having a coast line of about 275 miles. The town has become the seat of a very extensive trade, and will continue, most likely, to be the grand emporium of the vast territory be onging to the United States on the Preitic. The trate with China, Australia, the Lastern Archipelago, and the Polynesian Islands, is even now very extensive, and several ships have been titted out fur the whale-fishery: In 1867 was established regular steam communication with IIong-Kong in six days. At preaent, the prineipal trade of the city is with Panama oa the one hand, and Oregon on the other ; bringing immigrants and all sorts of manufictured goods from the former, rud corn and other raw produce from the latter, the steam passage to the former being from ten to fifteen days. But she lats also an extensive trade with Chili, the Eastern portion of the United Stater, and with Europe oy Cape Ilorn as well as by Pamama. The importation of many sorts of proluets has been completely overione, and occasionally some vaicties of manufuctured groods lave bren hought in Sim Francisco as eheap as in liverpool or havre. This, howeser, is a species of misenleulation incident to the opening of all new markets, nad will speedily correet itself. Gold bullion, with small but incrensing quantities of quicksilver, and hides, have hitherto been the all but exclusive articles of export.

Exports of Gold.-It is extremely difficult, if it be not impossible, to form any very aceurate estimate of the eaports of gold from Calitornia. But it appears that the following amounts have been manifested and shipped in steamers and sailing vessels, viz.:-

From A pril 1, 1849, to December 31, 1850
From
111
\(1 \times 51\)
10
\({ }_{34}^{\text {dols. }} 5\)
\(\ln 1552 \quad=\quad . \quad 34,492,631\)
In 1853 (first 6 months) \(\quad=\quad-\frac{25,999,353}{113,563,764}\)

\section*{SAPAN WOOD}

Again in the 5 years \(1863-67\) the exports were:-


The value of the receipts from nll points, nt this port, of the precious metals was as follows, viz.:-
\begin{tabular}{|c|c|c|c|c|}
\hline 1863 & & & & \\
\hline 18.3 & * & - & & 0.6 \\
\hline 181.4 & - & - & , & 110.04 , bin \\
\hline \(186 \%\) & - & & & 10,373,3:0 \\
\hline 1866 & & & & 11,059,731 \\
\hline
\end{tabular}

But to this have to be added the large sums, wi which no account is taken, carried by miaers and others lenving San Francisco for other partw of the United Staten, Mexico, Chili, Chim, mat cloowhere. Ilhis has been vnrionsly estimated; hat it is believed that in taking it nt 15 per cent, wo shanll be considernbly within the mark: on this liypothesis the totnl exports in 1867 will have been \(9,585,5381\). It has heenestimnted by w: 11 -informel persons that the total shipments in the course of 1868 would not be less than from \(\pi_{0}\) to el million dollars.

Account of the Jalue und Destination of Exports from Nan Lruncisco, other than Treasure, in the 5 Years ending with 18 c 7.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline & & & 1863 & 1861 & 1865 & 1866 & 18.7 \\
\hline Fiatern Perts of the Union & & & 8 \(\boldsymbol{e}_{1 \times, 450}\) &  & \({ }_{1.251,0 \mathrm{NO}}^{\boldsymbol{f}}\) &  & , \\
\hline (ireat liritant & - & - & 339,565 & 191,170 & 2,3,5,130 & 1541,4:3 & 1, 1 , 3 S, \\
\hline Auatralian Colontes & & . & 97, 5411 & 173,050 & 119.760 & 633,290 & 18.6in \\
\hline China - - & - & & 219,2\% & 27 1, \(\times 20\) & 216,3\% & \(31.3,811\) & 285, 1100 \\
\hline \(J_{\text {Japar }}\) & - & - & A, 1101 & -19900 & \({ }^{2} 1,510\) & 26F,750 & 168:2\%1 \\
\hline Nandwich Idands & & - & 71.175 & \(1: 1,910\) & 149,630 & \(17 \mathrm{Na}, 96\) & 153,053 \\
\hline Mritish Columbia - & - & - & S19,360 & & & \({ }^{2} 12.6510\) & 195, \%0, \\
\hline Mexico - & - & - & \(36,3,930\) & 413,12.5 & (16, 5 S 30 & \(3110,1.50\) & 598, 3 \% \\
\hline South Amerlea & : & : & 51,510
\(4.3,650\) & 34, 39.75 & 104,300
115,050 & 117,7619 & 154, 170 \\
\hline Total & - & - & 2,403,560 & 2,1,11,269 & \(2,910,760\) & 3,460,8.30 & 4, +93, 1501 \\
\hline
\end{tabular}

The Value of the Imports from Great Britain into San Prancisco in 18G6 and 1867.


The chief imports in 1867 other than these from the United Kingdom were: sugar 332.891 cwt. ; tea \(2,02 \overline{2}, 332 \mathrm{lb}\). ; coffec 90,012 ewt. ; rice 141,415 ewt.

The most noticeable icatures in the exports from San Frumeisco are the great incrense in the value of shipments to Englanil, and the extension of trade with Japan: the former is coused by the large shipments of wheat and flour, and the latter by the new steam communication. The value of the principnl artieles of Californian produce exported in 1867 was as follows:-
\begin{tabular}{|c|c|c|c|c|}
\hline Flour & & f613,773 & Hides & - Effs, ROf \\
\hline Wheat & - & 1,5911,510 & Quicksilver & - 186,2\% 0 \\
\hline barley & - & 13,i9 & Tres & - 3006,3\%41 \\
\hline dats & - & 2,960 & Tal!ow & - 8,0101) \\
\hline W'ool & - & 213,100 & Wine & - 27,100 \\
\hline
\end{tabular}

Passengers.-Arrivnls at San Francisco by sea in 1867, 35,083. Passengers leaving San Prancisco by sea, 20,419. Excess of arrivals by sea \(15,264\).

Port Charges.-l lilotage (half to be paid if no pilot be employed): vessels under 500 tons, 6 dollars per foot dranght; vessels over 500 toms, 7 dollars per foot; harbour dues, 4 eents (2d.) per ton. Wharf tolls: vehicles drawn b. one horse, \(2 \overline{5}\) cents cach; by two, 50 cents; by fuur, 1 dollar. All goods landed on the wharf and taken therefrom in lighters, or taken dircet from the ship in lighters, pay \(12 \frac{1}{2}\) cents per ton. The port wardens charge 15 dollars for each survey, but the total charge on eacli vessel must not exceed 75 dollars; for all separate certificates of survey required by the consignees of eargo, a charge of \(2_{5}^{50} 0\) is made, and for each order of sale 10 dollars. The coasts of California, Oregon, and Wnshington boast 17 fixed lights and 3 revolving lights, and two more were in 1868 in course of erection.

Account, showing the Number of Vessols that arrired at San Francisco in 1867, their Nationality, their Tonnage, and the Value of their Curgoes.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Nationality} & 1 V ensels & Tonnage & \[
\begin{aligned}
& \text { Value of } \\
& \text { iargioe }
\end{aligned}
\] \\
\hline Vnited States & : & - & 223 & 200,466 & , \(\frac{8}{6}\) \\
\hline Tuitud Kingtom & - & - & 117 & 71,030 &  \\
\hline France
lusia
lua & : & : & 1.3 & 5,921 & \% \({ }^{\text {a }}\) \\
\hline thasium & - & : & 1 & 1,8.3 & +1010 \\
\hline Imamburghe & - & - & 11 & 4,516 & 50, \\
\hline daly & - & - & 6 & 2,617 & 11, \\
\hline 1 1rusia & - & & 11 & 3.557 & 49 \\
\hline Mrumen & - & - & , & 3,711 & Jitim \\
\hline Spmin - & - & - & 1 & 3.17 & 6, \\
\hline Aubtria and Sweden & : & - & 1 & 177 & 4,16 \\
\hline Nollant & : & - & \(\pm\) & 1,109 & 2 \\
\hline Mesico & - & - & 1 & 365 & 1,ion \\
\hline Solumbia - & * & - & 1 & 1,1132 & 1; Win \\
\hline Sandwich 1-lands & - & & 17 & 6,22\% & \(38,2 \times 1\) \\
\hline Georkian 1slands & - & - & 3 & \(41 / 10\) & \\
\hline San Salvador & - & & 3 & 2.418 & \(3 \times 1\) \\
\hline Guatemala & - & & & 379 & 1, \\
\hline 'Total & - & & 431 & 337,621 & \(3 \times 1200\) \\
\hline \multicolumn{6}{|c|}{Dockage.} \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Vessels from \(1_{150} 00\) tons 10}} & \multicolumn{3}{|l|}{\multirow[t]{2}{*}{- 150 tons per register}} & il per dy \\
\hline & & & & & 1010 \\
\hline 2010 & " & 250 & " & : & 1 \\
\hline - (1) & " & \(4(4)\) & " & - & \(7{ }^{\circ}\) \\
\hline 40 & " & 500 & " & - & ) \\
\hline 911) & " & 6011 & " & & ! \\
\hline 71 Mt & " & S119 & " & & , \\
\hline (1) \({ }^{\text {a }}\) & ", & 1 1061 & " & & \\
\hline 1,000 & \% & 1, \%ta & " & & + \\
\hline 1,251 & " & 12506 & " & & \\
\hline 1,500 & " & 1,is0 & " & & \\
\hline 2,000 & " & \({ }_{2}^{2}\) & " & - & \\
\hline 2,000 & " & 2,310 & " & & " \\
\hline
\end{tabular}

Rate of Interest on Money.-By an Aet paseel March 13, 1850, the rate of interest on money wis fixed at 10 per cent. where there was no special contract, but 'parties may agree in writich fir the payment of any rate of interest whatere on money due, or to become due on any contrat. Any judgment rendered on such contract shal! conform thereto, and shall bear the interest agreed upon.'

We are much indebted in the compilation of this article to the Reports of Mr. Consul Bower.

SAPAN WOOD is obtained from a species of the same tree that yielis the Brazil wood (Casalpinia Supan, Linn.). It is n midlle-sized forest tree, indigenons to Sian, Pega, the Plailip-

\section*{IN WOOD}
, bo added the large suma, wis taken, carried by miners and ranciseo for other parta of the ies, Chili, Chima, mud cleseen varionsly estimated; hut taking it at 15 per cent. we y within the mark: on this exports in 1867 will have been enestimnted by w :11-informet I shipments in the course of less than trom 70 to 8\()\)
:o, other than Treasure, in thr
\begin{tabular}{|c|c|}
\hline 1966 & 1897 \\
\hline 1,114,975 & R \\
\hline Stix & \\
\hline ¢13, & 12, 6 (1) \\
\hline 3113, &  \\
\hline 17x \(\times 1909\) & 13, 3,03 \\
\hline 310, & , 3 P , \\
\hline 76,\%25 & 131.0101 \\
\hline 3,460,950 & 4, 19, 3,310 \\
\hline
\end{tabular}
the Number of Vess?ls that rancisco in 186: their Nutionnage, and the Value of their
\begin{tabular}{|c|c|c|}
\hline Vessels & Tonnage & Combe \\
\hline \({ }^{223}\) & 2 cosffi & \({ }^{\text {r }}\) \\
\hline 117 & 51,011 &  \\
\hline \({ }_{5}^{1 .}\) & 1, \(\mathrm{i}, \mathrm{s}, 4\) & \% \\
\hline 11 &  & ¢ \\
\hline \({ }_{6} 6\) & 2,617 & 4, \\
\hline 110 & & A, \\
\hline i & 3,711 & 30, \\
\hline & 177 & , \\
\hline \(\frac{4}{2}\) & , infinion & \%ifuw \\
\hline 4 & , 3169 & \\
\hline 17 & 51,132 & \% 3 \% \\
\hline & 2.4198 & 年, 4, +101 \\
\hline & \(2 \cdot 39\) & i,am \\
\hline \(-43.0\) & 357,671 & 3, 123 \\
\hline
\end{tabular}

\section*{Dockage.}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{to 150 tons per register}} & \multicolumn{2}{|l|}{dalit perdy} \\
\hline & & : 11 & \\
\hline 5 OH & " & & " \\
\hline \(4(1)\) & " & : & " \\
\hline 6i11 & " & - \% & " \\
\hline 710) & " & : \({ }_{8}\) & "' \\
\hline 1, & ", & - \({ }^{2}\) & \\
\hline 1,2\%9 & " & \(\bigcirc{ }^{31}\) & ", \\
\hline i, & " & - 49 & " \\
\hline \%, \%10 & " & : \({ }_{69}\) & \\
\hline
\end{tabular}
on Money.-By an Act pased e rate of interest on money wis it. where there was no alecial ties may agree ill writich for wy rate of interest whateret on become due en any enntract. ndered on such conitract shall nd shall bear the interest agreed
indebted in the compilation of Reports of Mr. Consul Bower. D is obtained from a specics that yiekls the Brazil wood 1, Linn.). It is a midulesized 1, Limn.). It is a midures to Siam, l'egu, the Philip-

\section*{SAPIIIIRE}
rine Islamels \&c. It has been emplayed for dyeing in the greater part of "nia lor many centuries. It found its way into aarope some time before the diseovery of America; and the imports are now very considerable. Its eolouring matter dilliers littlo from that of Brazil wood, but the best sapan wood does not yichl more than half the gunatity that may bo obtained from an equal weight ef Brazil wood, and the colour is not quite so bright. (liancroft On Colours, vol, ii. p. 329.) la 1867 the imports of sapan wood amounted to 1,429 tons, valued at \(1-1,8.13 l\).
SAl'PlIIkL (Ger, saphir; Dutch, saffiersteen; lir. saphire; ltal. zalliro; Span. zatiro, zatir; Russ. jachant; Lat. sapphiris). A precions stone, in very figh estimation. It is identically the same stone as: the ruby. It differs in name from the latter in aceount of its colour, which varies from white to the decpest blue or black. (Emanuel On hiamoms \$c.) 1t occurs in blunt-edged picees, in roundish pebbles, and erystallised. Varies from transparent to transluecnit. Refracts double. liter diamond, it is the hardest substance in mature. lorittle; specilic gravity \& to \(d: 2\).
It is fomm prineipally in Ceylen, and also in liohemin, Saxony, lirance dec. lut the redsapphire, or Uricutal ruly, is not fonnd in any consideratile quantity anywhere except in Ava. Next to diamond, sapplire is the most valuable of the gems. The white and pale blue varieties, by exposure to beat, wecome snow white, and, when cat, exhibit so bigh a degree of lustre, that they are used in flace of diamonds. The most highly prized varieties are the crimson and carmine red; these are the Oriental ruby of the jeweller; the next is supphire; and last, the yellow or Oriental topaz. The asterius, or star-stone, is a very beantiful raricty in which the colour is generally of a reddih wolet, and the form of in rhomboid, with truacated apices, which exhibit an opalescent instre. Professor' Jameson says, in his Mineralogy, that sone peculiarly beautiful sapphires are found in the Capelan monutains, in Pegu. But we are nut aware that there are any such mountains in ayy part of the world; and, in point of fact, there are no mountains in Pegu, nor have any precious stones been ever found in it, [Runy.]
The Russian treasury possesses sume sapphires (f enormus size.
Mr. Crawferd gives the following details with respect to the sapplire and ruby mines of Ava: The precions stones aseertained to exist in the Burmese territory are ehielly those of the sapphire fanily and the spinelle ruby. They are foumd at two places, not very distant from each other, ealled Mogant and Kyatpëan, about tive clays' journey from the capital, in an E.S.E. direction. Frou what I could learn, the gems are not obtained by uny regular mining operations, but by digging and Washing the gravel in the beds of rivulets or small brooks. All the varieties of the sapphire, as well as the spinelle, are found together, and along with them large quantitics of corundum. The varieties ascertained to exist are the Oriental sapphire; the Oriental ruby, or red stone; the opaleseent ruby, or eat's cye ruby ; the star ruly ; the green; the yellow and the white sapphires; and the Oriental amethyst. The common sapphire is by far the most frequent, but, in comparison with the ruby, is very little prized by the Burmese, in which they agree with other nations. I brought hooac with me several of great size, the largest weighing no less than 3,630 grains, or above 907 carats. The spinello ruby (zebu-gaong) is not unfrequent in Ava, but is not much valued by the natives. I brought with me to England a lerfect specimen, both as to colour and freedom

\section*{S.IRSAPARILI.I}

1213

\section*{from thaws, wefouing az carats, The sapphire} and ruby mines are considered the property of the king; nt leas he lays claim to all stones that exceed in value a viss of silver, or 100 tienls. The miners, it appears, endeavonr to evade this law by breaking the large stones into frarments. In the royal treasury there are, inotwithatanding, many tino stones of both descriptions. The year before our visit, the king received from the mines a ruby weighing led grains; and the year preeding that, 8 good ones, but of smaller size. No strunger is permitted to visit tho mines; even the Chineso and Mohammedaus residing at Ava are earefully exeludel,' (Journal of an L'mbassy to the Cout ' of' Ava, p, 442.)

SARUOCOLLA, A subriseid, swectish, and somewhat natuseous gum resin. It is broughit fronn Arabia and l'ersia in small grains of a pale yellow colour; the whitest, as being the freshest, is preferred. It is but seldom imported. (Mi'burn's Orient. Com.)

SALDINES or SARDINIAS (Ger. sardellen; Fr. sardines; Ital. sartlelle; Spm, sarimas). A species of tish of the herring tribe, but smaller. They are tak on in eonsiderable quantities on our consts, and are exceedingly plentiful on the consts of Algarve in Portugal, Andalusia and Gramada in Spain, and aloug the shores of Italy. The small sardines, canght on the coast of Provence, ith France, are estecmed the best. lirom 1,000 to 1,200 lishingr smacksare engared in catehing these fish on the coast of llrittany, from June to the middle of October. The lirenelh firefuently enre them in red brine; and when thus prepared, designate them anchoisees, or anchoried sardin's. There are packed in vessels previously emplayed for holding winc, and exported to the Levant. When perfectly fresh, sarilines are aceounted excellent fish; butif kept for my time, they entirely lose their flavour and become quite insipid.
SARDONYX. A precions stone, of redidishbrown colour, consisting of altermate layers of \({ }^{*}\) chalcedony and carnelian. Its name is derived from the union of the sard and the onyx. (Emanuel On Diamonds \& ce.)
The ancients selected this substance to engrave upon, no doubt, from its possessing two peculiar and necessary qualities, viz. hardness and tenacity, hy which it is capable of receiving the finest touch or stroke of the tool without chipping, and showing the art of the engraver to the highest perfeetion. (Mawe On Diamonds, 2nd ed. p. 121.)
They are much used for signet rings, and for cups, vases, knife handles, beads de. (limanuel On Diamonds \&r.)
SAlisAPALilLLA (Ger, sasaparille; Frr. salscpareille; Ital. salsapariglia; span. zarzaparrilha). The root of the smilax Sarsaparilla, a plant growing in Central and South America, and the West Indies, Cetlon \&e. It is imported in bales. It is known in the London market. by the names of Lisbon, Honduras, and Vera Cruz, but it is also brought from Jamaica. The Lisbon root, which is the produce of Brazil, has a reddish or clark brown cutiele, is interually farinaceons, and more free from tibre than the other kinds: the Honduras has a dirty brown, and sometimes whitish, cutiele ; it is more fibrous, and has more ligneous matter, than the Lisbon and Vera Cruz. It. has long slender roots, covered with a wrinkled brown cutiele, and has a small woody heart. The Jamaica diflers from the others, in liaving a deep red cuticle of a close texture; and the red colour partially diffused through the ligneous part. The root is scentless, and has a mucilaginons, very slightly bitter taste: the bark is the only useful part of the plant; the ligneous part being taste-
less, incrt, wooty fibre. (British I'hurmacopasia 'I'launson's Dispensetory.) A duty of titi, per lls. on its importaition, ilter being reduced in 18.12 to 1th, was rupaleal in leflib. 'lite imports nul exports in 1867 were resperively \(315,6 \mathrm{l} / 3 \mathrm{lb}\)., valued at \(11,927 / .\). mal \(210.76 \% \mathrm{lb}\) 。

SASSAFLAS (Ger. and Fr. sansofras; Ital. sassatrasso ; Spam, nalsufras). A species of haurel (Laures Sessuficus, Dimn.) , n mative of the sonthern parte of Nurth Amerien, t ochin-Chim, mud several of the Imilian Ishames. Sissatras woul, rent, and bark have a fragrant oblour, ame a sweetish aromatice taste. The wood is of a brownish-white colour; and the bark ferrupinoms within, sponge, and divisihle info layors, 'their sensibhe qualitios and virtues depoul in messemial oil, which may be ohtaimed meparate by distilling the chips or the bark with wator. It is very fragrant, hot, and permetratimer to the taste, of a biale velow colome, and heavier than water. It is nseil only in the materia median. ('Thomson's Disprensatory.) Imports and exports in '86ti, respectively, 823 and 71 ewt.

SAUNDELS (RED), (Arab, sumblal-uhmer; llin. rackut-chumbum). The wool of a lofty tree (I'trocterpus somtatiatss), indigenons to various parts of thilis, (eybon. 'limor de. The wood is bromght to liurope in billets, which are very heavy, and sink in water. It is extremely hari, of \(n\) tine grain, and a bright garnet red colour, which brightens on exposure to the air. It is employed to dye lasting reddish-brown colonrs on wool. It yinliss its colouring matter to ef her and aleohol, but not to water. ('lhomson's Dispeasttory; Baberoft On Coburs, vol. ii. p. 233.) The quantity imported is ineonsidernble.
sAYiNGS B.INKS. [Banks.]
SCAMMONY (Ger. skammonimm; Fr. seammonée; Ital. scammonea; Span. escamonea). \(\Lambda\) gum resin, the produce of a species of convolvulus, or crecper plant, which rrows abundantly in Seria. When an incision is made into the living roota, they yield a milky juice, which being kept, grows hard, and is the scammony of the shops. It is imported from Aleppo in what are called trums, weighing from 75 to \(125 \%\). each; and from smyma in eakes like wax, packed in elrests. The former is light and friable, and is considered the best ; that from Smyrua is more compact and ponderous, less friable, and fuller of impurities It has a peculiar heavy olour, not unlike that of old ehecse; and a bitierish, slightly aerid taste. The colour is blackish when dry, changing to dirty white, or lathering when the surface is rubbed with a wet linger. Its specilic gravity is 1•235, It is very liable to be adulterated; and when of a dark eolour, heavy, and splintery, it onght to be rejected. It is used only in medicine. (British Pharmucopeeia, 1867~; 'Thomson's Dispensatory.) The duiy on scammony, after being reduced in 1832 and 1843, was abolished in 18.15 . Imports, in 1867, 53,421 lb ., valued at \(80,901 \mathrm{l}\).; and exports 816 lb
sCULPTURLS. Figures cut in stone, metal, or other solid substunce, representing or describing some real or imaginary wbject. The art of the senlptor, or stotumry, was carried to the highest pitch of excellence in meient Greece. Fortumately, several of the works of the Grecian sculptors have been preserved, and serve at once to stimulate and direct the genius of modern artists.

Models are ensts or representations of sculptures.

The Act 54 Geo. III. c. 56 rests the property of sculptures, models, copies, and casts in the proprictor for 14 years; provided he cause his name,

\section*{SBALA JISIMEMY}
with the date, to be put on them before they are published; with the same lerm In adition, if he whonld he living at the end of the ifrst permel. In actions for pirasy, donble costs to he piven. The Act was nmended and extemdet by 13 \& 11 Yirt. e. 101, which provided also for tho Rergistration of Sumplare Montels 太e.
slial. (Lat. nigillum). A stome, pieer of motal, or other solid substmee, generally round or ellipt fienl, on whieh is engrased the arms, ferst, mans, liviec \&e. of some stase, prince, public lody, or private imividunl. It is employed as a stamp to make an impression on sealing-wax, theros anthenticating public acts, weeds \& e.e, or tordwie letters or packets. Seals were very early inventen, mad minh learning has been employed in tracing their listory, nit explaining the ligures mon then. (see partienarly the work of llopkink, 1)e Sigilloram I'riseo et Novo Jure, Ito, lite They aro now very generally used.
'The best are nanally formed of prectomestones, on which the crest of arms, or the initials of the person's mane, ate ergraved, set in rold. Pat immense umbuers aro formed of stained glass and set in gilh comper. They are mindidiaturat at london, Birmingham dec, mad tre extomsively exportal.

NEAL, FISHENY, 'The seal (hat, phasas Fit voun marin), an amphibious animal, of whid there are many varieties, is fouml in vast mumprs in the seas round spitzbergen, and on the cants of Labrator and Newfometland. As it frequents the British shores, it is well known, and hastom repoatedly deseribed. Sals are principally hamal for their oil and skins. When taken in the prin; of the year, at which time they are fattect, afullgrown seal will yiehl from 8 to I' \(^{2}\) gallens of oil. and a small one from 4 to 5 gallons. The nili if extracted before putrefaction has commenced, is beautilully tramsparent, free from smell, and not unpleasint in its raste. The skin, whe: tauneh, is extensively employed in the making of shoss a al when dressel with the hair on, serves for the covering of trunks de. For an account of the imports of seal-skins see Skins.
-To the Esquimanx the seal is of as much importance as bread to a European. Its deh forins their most usual food; the fat is party dressed for eatiog, and partly consumed in theit lamps; the liver, when fried, is estemed, even among sailors, as an agrecable dish. The whin, which the Esquimaux dress by processes pecaliar to themselves, is mate waterproof. With the hai: off, it is used as coverings, insteal of plank, if their boats, and as outer garments fer themselves; shielded with which, they can invert themselves and canoes in the water, withot getting their bodies wet. It serves also for coverings for their tents, and for various othet purposes. The jackets and trousers made of seal-skin by the Esquimaus are in great request among the whale fishers for preserving then from oil and wet.' (Scoresby's Arctic Regions, vol. i. p. 510 .)

Seals in fine weather prefer the ice to the water and vast herds of them are frequently found lying on the field ice; the places where ther ate met with being thence called 'seal medors. The seal hunters endeavour to surprise them while slecping, and to intercept their retreat to the water. 'I'hey attack them with musketsand bludgeons, but principally the latter, ther being casily despatehed by a how on the nose.
The seal fishery has long been prosecated to a considerablo extent in the northera seas br ships from the Elbe and the Weser; but very fers ships have been sent out from England for sealing onls,

\section*{JISHERY}
put on them hefore they are mue term in mhlition, if le la end of the first purioul. In uhle costs to be given. The I extended by 13 \& 11 Virt. d also for the Regretration of
m). A stome, pise of mant, nee, generally round or cllipcraved the arms, crest, name, tries, prince, public baly, of It is employed as a stamp to It on realiug-wax, thendy ic acts, deeds Ne.. or tucluse teals were very enrly inventent, mos heen employdi in trasing explainghg the tigures upu darly the work of Ilopkiank, sco it Novo Jure, Ito. ltit?)無nerally usem.
Mly formed of prections whons, or arms, or the initials of the rayraved, set in crold. Piat we formed of stainel whas, and Thary are matifacturd at am dec, and are extensively

The seal (lat. phowa : lip. amphibious animal, of whith ieties, is found in vast numbers spitabergen, and on the crats ewforndlanal. As it frequats it is well known, and hasheen al. Seals are principally bunt ins. Whent taken in the spring; iell time they are fattest, a fullchd from 8 to 12 galluns of oil. om 4 to 5 gallons. The cill, is multefaction has commencel. is urent, free from smell, and not aste. 'The skin, whe' tamel, is yed in the making of shees: and in the hair on, serves for the is \&c. For an account of the ns see Silins.
manx the seal is of as muxh real to a European. Its theh usual food; the fat is parily , and partly consumed in thil: when fricd, is cestemed, even an agrecable dish, The skin. aux dress by processes pecelihr nale waterproot. With the hair coverings, insteal of planks, for as outer garments for therwwith which, they can iurer, canoes in the water, withot plies wet. It serves also for ir tents, and for various ohe: fackets and trousers made of isquuimaux are in great request fishers for preserving them forns coresby's Arctic Regions, reli. i.
ather prefer the ice to the water, of them are frequently fond ice; the places whete they ate thence called 'seal meadors.' s endeavour to surprise them id to interecpt their retreat to attack them with muskets and tincipally the latter, ther being by a blow on the nose.
has long been prosecuted to a at in the northern seas by ships the Weser; but very fers ships trom England for sealing only,

\section*{SBALING WAX}

SE.IMEN
315
inunin oceasionally some of the whate ships have fohen largequatitios of seals, latterly, lowewr, the weal tishery lans been proseconted an a large seale, and with extraordimary suceress, by veswils of from biat to 120 toms carlo, haviag crews of frull 16 to 80 men, thted out from the ports of Surfomilland, Norn sooth dee. The business is athanded with a grond deal of risk, mind instances frenurntly aceur of the vessels being crusherel to mines ly the collision of the theltes of ice. Wo pmone ilan following details from Mr. Ibliss's mast on the 'Trale, Shitistics s.e. of Cunthe and ur North Ameriran P'osserssious.
- There is another alpmartment of the colunial didery which has origimated within no dixtant primb, and is now of preat exient and importanes. The latare lields of ise which, in the months of March and April, clritt somblaward from the lolar sats, are accompunied by many herrls of seals; these are fomd slesping in what are called the eral meadows of the iec, and are there attacked malaughered in vast numbers. For this purpose the tishers of Newlommdland, from which isisamel thes voyages are primeipally made, without wating till the return of spring shall have openeal their hationurs, saw rhamels through the ice for their reseds, and set sail in quest of those drifting delk, through the openings of which they work a pasagre, attended with rreat ditlicultics and dayere, till they encounter their prey on the seal mealuws. This bold and hazardons enterprise semens well compensated by its suepess. The aumber of seals thus taken is almost increlible, and is greatly on the inerease' ( p .70 ). 'There were eapured by the Newfoundland fishermen, in [80\%, 340,361 seals; in 1839, \(4: 17,501\). Large quanitics are also taken by the Nova Scotia and Librador tishermen.
Sice also M'Gregor's British America, 2nd edit. vol. i. p. 197 de. 'There is a groud account of' the seal in laing's Foyage to Spitzbergen. For the priee of scal oil, see OiL.
SEALNG WAX (irer. siegellack; lir. cire
 Spagna; Span. lacre; Russ, surgutseh). The wax wed for sealing letters, legal instruments \&e. It is a composition of gum lac, meled and incorporated with resin, and afterwards coloured with some pisment, as vermilion, verditer, ivory black \&e. LLe.]
skamint. The individuals engaged in navitating slips, barges de. upon the high seas. Thase employed for this purpose upon rivers, lakes, or canuls, are denominated watermen.
Furmerly a British seaman was a natural bom stbiject of her Majesty ; or was naturalised by Act of Parliament; or made a denizen by letters of denizatinn; or had become a 13ritish subject by the conquest or cession of some newly acquired territory; or (being a forcigner) had served on bard her Majesty's ships of war, in time of war, forthe space of 2 or 3 years. But these distinctions Were entirely done away in 1855. It is no longer necessary that British ships should be either whully or in part manned by British subjects. In this respect the greatest possible license has been giren to our shipowners, who are at full liberty to cmploy all descriptions of hands, whether native or foreign, in navigating their ships. llence the term 'seamen' now includes all persons (except masters, pilots, and apprentices duly indentured and registered), without regard to their origin, 'employed or engaged in any capacity on board of any ship.' ( \(17 \& 18\) Vict. c. 104 , Introd.)
Vanious regulations have been enacted with respect to the hiring of seamen, their conduct

While on board, and the payment of their wares. These regulations ditler if different eomntrios; that in all, they have ben intember to oheate the dingutes lhat might oflerwive arise betwern masters mad seamen in regard to the terms of thes contract between them, to aremode due whedienee to the orlers of the firmer, and to interest the later in the empletion of the voyare.

The more important particulars in the law of Vingland in regard to seamen aro emborlieal in the is \& 18 Viet. e. 101, and will be fonme in the following article, with some ocenslonal remarls and motices of alterations in the law etfeeded by
 and Amendment, 25 \& 26 Vict. c. tis dee In the first place it is necessary to enquire by whom they may be hired.
1. Itho may hire Stomen,-Seamen have lomr been sulpjeeteil to imposition from the franeluleot practioes of persons uthering to find them employmont, by fabsely representing themselves as arents for, or as lavinte an interest in cortain ships, and enguging or frotomling to engage seamen to serve lherein. In the view of obviating such practices in future, it is laid down in the Merchant Shipginer Aet, tho 17 \& Is Viet. c. 10. that the loaril of Trade may qrant licenses to such individuals no it thinks tit, empoweriner them to engare or supply seamen or mprentices to merchant ships. Bhot, with the excention, 1st, of the parties so lirenserl; and, of the owner, master, or mate, or permans in the boni fide and constant employment of the owner of a ship repliting men or apprentices; and Bril, of a regularly : apoointerl shipping mathor, all wher parties aro prohibited, under a proualty of tell., from agraging or supplying seamon. The following are the clases having reference to this sulyject.
Board of Trate maly license Persons to procure Scamen.-The lhard of 'Trade may grant io such jersons as it thinks tit licenses to engage or supply seamen or apprentices for merchant ships in the United Kingdom, to continue for such periods, to bo upon such terms, and to be revocable upon such combitions, as such board thinks proper. ( 17 d 18 Vict. e. 10 ts s. 1.16.)

Penaltics for suphlying Seamen without License §e.-The following offences shall be punishable us herein mentioned; viz. :-
(1) It any person not licensed as aforesail, other than the owncr or master or a mate of the ship, or some jerson who is bonâ fide the servant and in the constant employ of the owner, or a shipping master duly appointed as aforesaid, engages or supplies any seaman or apprentice to be entered on toard any ship in the Lnited Kingdom, he shall, for each scaman or apprentice so engraged or supplied, incur a penalty not exceeding 201 .:
(z) If any person employ any unlicensed person, other than persons exceptel as above, for the purpose of engaging or supplying any scaman or apprentice to be entered on board any ship in the United Kingdom, he shall, for each seaman or apprentice so engaged or supplied, incur a penalty not excecding \(20 t\), and if licensed, shall in addition forfeit his license:
(3) If any person knowingly receives or accepts to be entered on board any ship any seaman or apprentice who has been engaged or supplied contrary to the provisions of this Act, he shall, for every scaman or apprentice so engaged or supplied, incur a penalty not exceeding 201 . (Sce. 147.)
Penalty for receiving Remuneration from Sca-men.-If any person demands or receives, either directly or indirectly, from any seaman or apprentice, or from any person sceking employment as a seaman or apprentice, or from any person on his
behalf, any remuneralinn whateser, ather than tho fees herely anthorised for providin: him with employment, he shall, for every such othenee, incur n penalty not excerding on. (Sec, 148.)
2. Conditions unter which Scomen are to be eaynged.-In 1835 an Act was passed ( \(5 \& 6 \mathrm{Wm}\). 1V, c, 19) of much importanco to scamen, and to persms connected with narigation. It hide down the various forms and regulations to be observed in hiring, paying, and discharging seamen; established an othice for their registry; and preseribed the mole in which lists of erews were to be transmitted to the registrar. It also regulated the conditions under which seamen might, in certain cases, be left in foreign parts, with a varicty of other particulars; at the same time that it repented sundry statutes, the provisions of which had become obsolete.

Further modiftations were made in this system in 18.4, by the \(7 \& 8\) Vict, c. 112, and arain by the Mercantile Marine Act of \(1850,13 \& 14\) Viet. c. 93. The existing law regulating the conditions in the arreements to be made wilh seamen, is embotied in the Merchant Shipping Aet, 17 \& 18 Viet. c. 10. , and the Merchant Shipping Antentment Aet, 25 \& 2 t; Vict. c. 63 and 30 \& 31 Vict. c. 12.1, and is as follows, viz. :-

Agreements to be made with Seanen.-The master of every ship, except ships of less than 80 tons registered tomage, exclusively employed in triding between different ports on the coasts of the United Kingdom, shall enter into an agreement with every seaman whom he carries to sea from uny port in the United Kingiom as one of his erev in the manner aftermentioned; and every such agreement shall be in a form sanctioned by the Board of Trade, and shall be dated at the time of the first signature thereof, and shall be signed by the master before any scamen signs the same, and shall contain the following particulars as terms thereof, viz, :-
(1) The nature, and, as far as practicable, the duration of the intended voyage or engagement:
(2) The number and description of the erew, specifying how many are engaged as srilors :
(3) The time at which each seaman is to be on board, or begin to work:
(1) The capacity in which each scaman is to serve:
(5) The amount of wages which each scaman is to receive:
(6) A scale of the provisions which are to be furnished to each seaman:
(7) Any regulations as to conduct on board, and as to fines, short allowance of provisions, or other lawful punishments for misconduct, which have been sanctioned by the Buarl of 'Irade, as regulations proper to be adopted, and which the parties agree to adopt:
And every such agreement shall be so framed as to admit of stipulations, to be adopted at the will of the master and reaman in cach case, as to advance and allotment of wages, and may contain any other stipulations which are not contrary to law ; provided that if the master of any ship belonging to any British possession lias an agreement with his crew made in due form according to the law of the possession to which such ship belongs or in which her crew were engaged, and engages sindle seamen in the United Kingrlom, such seamen may sign the agreement so made, and it shall not be neeessary for them to sign an agreement in the form sanctioned by the Board of Trade. (Scc. 149.)
Agrcements for Foreign-going Ships to be made before and attested by a Shipping Master.-In the case of all foreign-going ships, in whatever part
of her Majesty's dominions the same are reriota the following rules shall be obseswed with ret to aprements, viz,:-
(1) Livery agrecment made in the linited hi dom (except lin the eases of arrements with atitutes hereinater provided tor) shall lom wint by each semann in the presence of a shimi master:
(2) Such shipping master whall cause the art ment to the rend over mil explaised to cadt man, or othervise ascertain that eath wan understands the same before he signe it, and sha uttest each signature:
(3) When the crew is first engaged the arete ment shall be wigned in duplicate, and ona shall be retained by the shippins master, ant th other part sliall contain a special plaee of fot for the descriptions and signatures of sulastitute or persons engaf. a subsequently to the fin departure of the ship, and shall be idelivered to th master:
(4) In the case of substitutes engagei in th phace of seamen who have duly sigued the ame ment, and whose services are lost withon 3 hon of the shipis putting to sea, by death, desertion, or other minforeseen cause, the engagement shalh when practicable, be made before some shippion master duly appointed in the manaer hereinbtere specitied: and whenever such last-mantimed tnGayement connot be so made, the master shall before the ship puts to sea, if practicable, and if not, as soon afterwards as pussible, cuse the agreement to be read over and explainel to the seamen; and the scamen shall thereupon sitn the same in the presence of a witness, who whallattest their signatures. (Sce. 1u0.)

Foreign-going Ships making short Soyags maty hare ruaning Agreements.- In the ease of foregngoing ships making voyares averagiug less than ti months' duration, ruining arreeneat with the crew may be made to extend over twa or mare voyages, so that no such agreement shall extend beyond the next following 30th oi' June, on 3 th day of December, or the tirst arrival of the ship at her port of destination in the Unitel Kinghem after such date, or the discharge of carso come quent upon such arrival ; and every ferson entring into such agreement, whether engnged upon the first commencement there of or otherwise bad enter into and sign the same in the manner bertor reguired for other foreign-going ships: and wey person engaged thereunder, if discharsed in the United Kinglom, shall be discharged in the mar. ner hereby required for the discharge of samen belonging to other foreign-going ships. (Sec 101,

Engagement and Discharge of Seanen is the meantime. - The master of every foreign-gonsthip for which such a rumming agreenent as aforeal is made shall, upon every return to any pert in the United Kinglom before the tinal termination of the agrecment, discharge or engage before the shipping master at such port any scaman mom he is repuired by law so to diseharge or enagh, and shall upon every such return indurse of the agreement a statement (as the case mayle either that no such discharges or engagements hare been made, or are intended to le made, before the slip again leaves port, or that all such discharges of engagements have been duly made as hereialefore required, and shall deliver the agrements in indorsed to the shipping master; and any master who wilfully makes a false statement in such indorsement shall incur a penalty not exseeding 201. ; and the shipping master shall also siph an indorsement on the agreement, to the effect that the provisions of this Act relating to such afteement have been complied with, and shall te-

Huins the same aro potintemt shall be observed with restect :nent made in the Vinited King eases of arreements with \(w\). - provided for) shall be mighe a the presence of a shiphing
gen mater shall catuse the autio ser mul explained to adh 1 a necertaill that calh wama me belure le sigu it, audshat ire:
ree: is first engagel the arte
erew ned in duplicate, mad nur par y the shipining master, and the contain a spectial place uf fom is and signatures of sulstitutes IS a subscquently to the fire: hip, and shlull be ielivered to the
e of substitutes engaged in the who have duly signed the theneservices are linst within? ? haons ting to sea, by death, descrion, en canse, the chugatement shall , be made befure some shippise bint ed in the manner herembefve - henever such last-mentioned triit be so marle, the master siall, puts to sea, if practicable, and if terwards as possithe, cause be read over and explained to the c seamen shall thercupen sign the sence of a witness, who wallatest (Sec. 150.) Ships making short Jiydues naty greements.- In the case of futcignking royages averaging less than tion, running arrecment with the nade to extend over two or mur t no such agrecment shall extemt t following 30th oí June, ur 315 ver, or the tirst arrival of the stip estination in the United Kingina , or the discharge of carge core I arrival; and every person entening ement, whether engured non the ement thereot or oftherwise, bind fign the same in the mancer herty er foreign-going slips; and ery thereunder, if diechared in the thereunder, if dicenard in the mas. om, slaall be dischatifed in ore the discharte of seamen
 and Discharye of Seanen in the e master of every foreign-goin? \({ }^{2}\) ip a rumning agrecment os aforevil upon every return to any port in the on before the linal terminana of discharge or engare before the r at such port any scaman whom he law so to discharge or engac, and ery such returin indurse on the atoment (as the case mayle) ether atement (as the carements hare beers ischntges or engagements here the ship itended to l e made, before the wo bort, or that all such (ischargs fore ave been duly made as herembetor shall deliver the agreement so inshipping master; and any mastes makes a false statement in such inHl incur a penalty not exceeding oll meur a penalty shall ako siyn an shipping master sual
n the arreement, to the eft that of this Act relating to such agreeof this Act relating to sud she
cen complied with, add

Whiver the angeencut so indormed to the master. (sec. \(15 \%\) )
Inphicutes of ruaning Agrecments.-In eises in whoh wuch rumbing agrecoments are mate, the duplicate asrement ritained by the shippiner manter upon the tirat encromement of the crew shail rother let transmitted to the repistrar-general of semmen immediatedy, or be kept by the shijpinger funter until ther 'xpuration of' the agrecusent, as the llasril of Trablo dipects, (See. lisit.)
Fess to be puid on such running fifroments. Fur the purprose of determining the theos to be priat agh the chgacement and divelurge of semmen helonging to forcign-going stijus which have runnime agrembents as nforestal, the crow shall be masidered to be engaged when the ngreanent is time sigued, and to be discharged when the arreesment tinally terminates, and all intermodinto enmatement sand diseharges shall be consldermito be cogagements nad discharges of single scamen. (sec. 154.)
In llome Trute Shijs Agrement to be entered into before a Shipping Master \(\underset{\sim}{c} \mathrm{c}\). - In the case of home trude ships, crews or single senmen may, if the master thinks tit, be engaged before a shipping master in the manner bereinhefore directed with respect to forejgn-going ships; and in every case in which the engagement is not so made, the master shath, befure the ships put to sea, if practicnble, and if wot, as soon afterwards as possible, canse the arrement to be read over and explained to each seaman, and the seaman shatl thereupon siput the same in the presence of a witness, who shall attest his signature. (Sec. 155.)
Speciul Agreements for IIome Trude Ships brlinging to same Ouners.-In cases where severul home rade ships belong to the same owner, the arreement with the seamen may, notwithstading anything berein contained, be made by the owner instead of by the master, and tlie samen may be engaged to serve in any two or nore of such ships, provided that the names of the ships and the nature of the service are specifled in the agreement ; but with the foregoing nxecption, all provisions herrit eontained which relate fo ordinary ogreements for home trado ships shall be applicable to agreements mado in pursunnce of this seciiea. (Sec. 156.)
Penalty for Shipping Scamen uithout Agrccment duly erecuted,-It in moy case a master carrics any seaman to sea without entering into an agreement with him in the form and mnnner, and at the place mid time hereby in such case required, the master in the case of a foreigu-going ship, nud the master or owner in the case of a home trado ship, shall for each such offence incur a penalty not exceedigg 51. (Sec. 157.)
Changes in Crew to be reported.-The master of every forcign-going ship of which the erew has been engaged before a shipping master, shall before fiabily leaving the United Kingdom sign and send to the nearest shipping master a full and iccurate statement, in a form sanctioned by the Board of Trade, of every change which takes place in hiserew before finally leaving the United Kingdom, and in default shant for each offence incur a penalty not exceeding \(5 /\); and such statement shall be admissible in evidence, sutject to all just exceptions, (Scc. 158.)
Seamen engaged in the Colonies to be shipped before some Shipping SIaster \&e.- Every master of a ship who, if such ship is registered in the United Kingdom, engages any senman in any British possession, or if such ship belongs to any British possession, engages any seaman in any British possession other than that to which the ship belongs, shall, if there is at the place where such
seaman is engaged ans oflichal shipytug master or other othere ilnly npininted for tho jurpose of
 Ahipplise mantor, mal il there is no surle shiptine master or ofliore, then before some oflierer of custoons ; fad tho same rules, gualitiontions, mul pemalties as are herrimbefore gpeetien with respert to the ellgistancolt uf memmon before shipping masters in the I'nital kimoriom, shall appiy to such engabentunts in a liritish jossession ; ami
 ter or otliecr as aforesail mhall indorse apon thes agreement an attestation to the ebect that the same has been sifned in his presener, and otherwine made as horeliy reftitide and if in any cand suele attestation iv iust ande, the burdon of jroving that the semanin was dily marnared \(n\) : horeby repuircel whall lie upon the inastor. (Sec. I5! )

Neamen cayayeal in Forciyn Iorts to be shippoal with the Sanctinn and in the lrossence of the Con-sul--livery master of a Ilritist ship who engages athy seamin at moy place ont of her Mijesty"s dominions in which there is a liritish consnlar oflicer shall, before carrying such seaman to sea, proure the sanetion of such otlicer, and slanll enfrate sheh seaman beforesuch oflicer ; and the same rules as are heroinbefore contaned with respent to the engagement if neamen before shipping nusters in the linited Kiugdom, shall apply to such enfagentents made before connular oflicers: and upon every such enfagement tho consular otlicer shall indurse upon the agreement his sane. tion thereof, und an nttestation to the effect that the same has been signed in his presence, ard otherwise made as liereby reguired; and evenv master who conguges any seaman in any phace in which there is a consular officer, otherviso than as hereinbefore reguired, shall incur a penalty not excceling 201; and if in any ense the indorsement and attestation herely reftured is not innde upon the agrement, the burden of proving the encragement to have been mate as hereinbefore required shall lie upon the master. (sce. 160. )

Rules as to Production of Agreements and Certi-fieutes.-1'he following rules shall be observed with respect to the production of agreements ard certitieates of competency or service for foreign-going shipo, viz.:-
(1) The master of every foreign-goingship slant, on signing the agrecment with his erew, produce to the shipping master before whon the snme is signed the certiticates of competency or service which the said master and his first and second mate or only mate, as the case may be, are required to possess; and upon such production being duly male, and the agrecnent being duly executed as hereby recuired, the shipping master shall sigu and rive to the master a cortiticate to that effect.
(2) In the case ot running agreements for foreigngoing ships, the shipping master shall, before the second and every subsequent voyage made after the first commencement of tho agreement, sign, and give to the master, on his complying with the provisions herein contained with respect to such agreements, and producing to the shipping master the certificate of compretency or service of any first, second, or only mate then first engaged by him, a certificate to that effect.
(3) The master of c very foreign-going ship shall, before procecting to sea, prodice the certificate so to be given to him by the shipping master as aforesnici, to the collector or comptroller of customs ; and no officer of customs shall clear any such ship outwards without such production: and if any such ship attempts to go to sea without a clearance, any sucb oslicer may detain her intil such certificate as aforesaid is produced.

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(b) 'The mastor of avery fureign guime shia'

 or "peי" the diselangen of the cocen, whisherer tirst

 whall therempen give for the master at mithimete of much delivery ; and an ollione of dostoms math clear
 dnclinu uf such cersitiatas.



 ilug fing (Nore llit.)





1\%:-
(1) In the ense of hame trale shipsur morn than Nil tons horiden, marremend whall extend hesond
 lare, or the first arrival of theskipe at. lier limes destination in tho lhited liburdom altor worls
 noth arrival.
(2) I'hemaster urowner uf every sheh mije shatl,
 of Weromber in every yenr, trambit or heliver to somber slipping masiar in the l'nitod kinglonn "very agrement male within ficalomiar montlis next precoling such daye rospetorely, and shall


 his tirst or only mate, as the case may be, are bareby reguired to pasness.
(3) 'The shapping master shall therempengive to the mator or owner a certibiate of and delivers and production: and tho ofliper of anstoms alad frant a clearance or transire for ming haig as last aforesaid withont the prodnetion wit side certilicate; anil if any sueh nhip attempen to ply or go to mea withont such elemaner or transere any sucholliedre mas detain her molil the waid eertificate is produred.

And if the arreement for any home tralde ship is not delivered ur transmitted by tho mantar ar owner to a shipping mastar at the time and in the mimuer herely alireded, such master or owner shall fur cery defanlt incur a pemaliy not exceeding \(h\), (Som: lis.

Alltrutions to be roid unless attestal to have bern mate with the ('onsent of all l'arties,-DVers arasure, interlineation, or altoration in any nach merement with scamen as is reguired by the third part of this Act (exeepot milditions sir monde as herembeture diremed for shipping sulstitutes or persons cugaged subse furnily to the first departure of the ships) shatl be wholfy inoperative, tuless froved to have leen male with the consent af all the persons interested in such erisure, interlineation, or alteration by the written attestation (if made in her Majesty's dominions) of some shipping master, justier, ollicer of custums, or other pultic finnctionitry or (if mate ont of hor Dajesty's dominions) of a british consular oflicer, or, where there is no such ofliecr, of two respectable Dritish morelants. (Sece, Jti3.)

Penally for fulsifiging Agreement.-Wivery person who frandulently alters, assists in framidulenty altering, or procures to le fratudnjently altered, ir makes, or assists in making, or procures to he made, any fadse entry in, or delivers, assists in delivering, or procures to be delivered, \(n\) false copy of any

Frement, whill for arde shell offinco be derme finlty of a mishlumemor. (Sos. Itil.)





(suc. libis)






 (sion, lail.)

 ment, athi is afterwards disedarged beffere the
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 for or usher, in miflition to any wates her may has marnol, dice comperination for the lamaze

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 Perover such compronsalion as if it were wateduly (armel, (fice lit.)
'Then slatite denes not remolor a verbal artemane for wagen alosolately vomb; lont it ingowes apmalis on the master it a wriluon agreroment ha gat mathe
 which a setmonn slombla remounce any jus right, surlo as his mann to wages in the dowe of the hass of the mhip, to salvage dre., would be salid, What a written fyreement. is made conformally fo the Act, it beromes tho only evidence of the romat betwern the partien; and \(n\) seaman canne pocover angthing agreed to be givel in rownd for his survices, whirls in not specified in the articles.
A reraman who has ellgaged to serve on hoards dhip, is bomal to exort. himedre to ite utment in the service of much ship; and, therefire, a potmise made by the master of a ship in tintres to pay nit extra smm to a seaman, as nu inalaroment. to extraordinary exertion on his part, is wholly void.
d. Coneluct of Sumen-It is esseatial to the business of migigation that the moxt prungt ent ready ohediemee shamble he paid to the lawfal antmands of the master. Tor this effect it is emrmated in the arlides of agrecment provimot refierred to, that 'the crew engase to asmat thomselves in an orderly, faillaful, homst, cardu? and noher mamer; and to be at all times dilistor in their respective duties and satams and tule obedient to the lawfil commands of the maser in everything reliting to the said slif, and the materinis, sitores, and cargo thereof, whether io board sueh shif, in bases, or on shore.

In ease of disobredience or disurilerty comath on the part of the seamen, the master biay conct lhem in a reasomable manner, Such authositris absolutely uecessary for che safety of the ship ad of those on loward. It, however, behoves the rish ter to elaghoy it with great deliheration, and on to pervert. Ihe powers with which he is inunded for the rood of the whole, to crnel or vindiatire purposes. Nasters abowing their authorter mas answer at law for the consequences; and eway under very gravo and urgent circumstances, th intliction of ehastisement without pryma quiry should be carefully avoided. But in cass

Ared affomel la' denmed r. (Kwe, bim.) wh problare , defrement, -
 coment ur oherwisen. prembelug or giving m, in mont, or miny eny therm?
\& to bee mathe areramile ta

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\section*{)}
not remider a verhal aprement
 - writurn ugroment he mot mati, grewnemd cantrary widn der, hy dhuld remonese any jat right to wheres in the cane if the flost Cou whe de., would be salit, Whets lagre de., Whate conformaty to the wht is made combermaty to the tho ouly evidence of the comat etirs: und a reaman cammer ris apreed to he given in rowat which is not ypecitex in the
o has engaged to serve un boath - exert himestl to the utmat no Fuch ship; and, therefore, ative the muster of a ship 10 cimpoc, sum to a seamam, is an par, is
\(f\) Sromen-It is essential to the - igntion that the most pramparal ce shomblh he paid to the law ful wommaster. 'To this effect it is ore articles of agrecment previntif bit 'the crew engate bat, aroful? an orderly, faithluh, holles, whe mer; and to be at all times hation tive duties and stathos ming and he Inwful commands of the and tie relating to the sald slip, wher is res, and cargo thereo, ", ij, in loats, or on sharderk onduat. divoluclience or mater may contat the seamen, the such anthonis samble matmer. Nety of the thip ind ressary fowere, behoves the misio nard. It, howerctileration. and an pusers with which he is imrise of the whole, to crud or vindidia of the abasing their nuthonive mis ow for the consequences; and esiep rrave and urgent circumstances, ide elanstisement without pirncas be carefully avoidel. But ia casis
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 bue lis right hame, a milusular na woll artharms allomative, unh nown in menlero juris frownder.
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 lo shall lee liable: fo lie junimbed summarily an fillews, viz: -
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(2) For matheting or refining, willont reasesi-
 Las ohip, or for absence withoit leme at any time nithin el tewrs of the ship's maling from any part either at the commencement or daring the procress of any vosage, or for mbsence at my time withont have nat without sulliciont rason trom his ship or from his dasy not amonntine to Unertim or mot trealed ny such by the mavter, lee atall be liable to inprimorment for any period nom. "xicecting 10 wecks, with or without haral hathour, and alon, at the diseretion of the court, to fiorleit tot of his wares a sum not exereding the amomit if ' days fay, and in addition, lor every 24 houre of absemec, either a sum not exceeding if dayss fay, th any expenses which lavo been property menern in hiring a substitute.
(i3) For quilting the mhip without leave after her arrival at her port of delivery and befire she is plased in eceurity, he shatl be liable to forleit wat of bis wages a sum mot execeding 1 month's bus.
(i) For wiful disobelience to any lawful command he shall be liable to imprisumment for any perich not exceeding 4 weeks, with or withont hard hature, asd also, at the discretion of the cours. fu forteit out of his wages a sum not exceerling 2 days' pay.
(5) For continued wilful disobedience to lawful commands, or contimed wilfin neglect of duty, he shall be liable to imprisonment for any peliorl not exceeling 12 weeks, with or without hard lamona, and also, at the diseretion of the court, to firfect, for every 24 hours' continaance of such disubedience or neglect, either a sum not excceding





(6) Jior rombinump with any oflere or ollores af



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 the wext arrival of the ship at any port, of if she is at the time ingort, bathe har departime, rither bee formathed with of ding of such entry ur have
 nul may therempen make such reply thereto an he: thinks tit ; mill a matemont. Lhat a soply of the
 has beron wh wed owr as alorewaid, and the roply (if any) male ly the ollomber, shatl likewise lie -Intreid and signed in manare aloresuial ; mall in
 inlotore rapured whall, if practisable, tee prombeed or firmend, and in drimble of such prombetion or brong the comer haring the caso may, at its disarelim, reline to reserve evilence of the oflenee. (Sㄴ. 足11.)

Sommen sor, whom Masters of Shijs are compullal to couccy, to he sulject to Proulties for Brench of Disciplime.-livers seafaring person whom the mater of may nhip is, umer the athority of this Aet of of ally other Aet of l'arliament, coninilled to take on bonrd and eonvey, and every bremon who goes to sial in my ship wilhout the comvent of the master or owner or other person cmitled to give suth consent, alanl, so long as he remans in such whip, be subject to the same laws and regulations for preserving disejpline, and to the same pemalties mad punishanomes for oflemees comstituting or temdinf to a breach of disciflint, 10 which he would be subjeet if he were a member of the crew nud had signed the agreement. (Sce, 2lis.)

Master or Ouncr may apprehend Descriters, without Warrant.-Whenever, either at the commencement ur during the progress of any voyage, amy manan or nppremice meglects or refuses to join or deserts from or rcfuses to proceed to sea in any slif in which he is duly engnged to serve, or is found oh herwise absenting himself therefiom withont leave, the master or any mate, or the owner, ship's husbamb, or consigner may, in nus phed in her Hnjest y's dominiras, with or withont hee nssistance of the lowal police offieers ar con-

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slabh, who nre hereby directed to give the same, of required, and alse at, nny place out of her Majesty's dominions, if pad so far as the laws in torce at suth place will permit, apprehent him without first procuring a warrant; and may thereupon in any case, and shall in case he so r. ©uires and it is practicable, convey him before some court eapable of taking cogntance of the matter, to the dealt with according to law and may, lior the purpose of eonveying him before such court, detain him in custoly for a period not. excending 21 hours, or such shorter time as may be necesary, or may. if he dues not so require, or if there is no such eourt at on near the place, at once convey him on board; nud if any such apprehension appears to the court before which the case is brought to havo been male on improper or on insufficient grounds, the master, mate, owner, ship's hushand, or consignce who makes the same or causes the ame to be made, shall ineur a penalty not exceeding 20l.; but such penalty, if intlicted, shall be a bar to nuy action for false imprisonment in respect of suct: npprehensior. (See. 246.\()\)

Descrters may be sent on board in licu of being imprisoncd.-Whenever any seaman or apprentice is brought before any court on tlee ground of his lanving neglested or refused to join or to proceed to sea in nny slip in which he is engaged to serve, or of having deserted or otherwise abuented himself thareirom withont leave, such court may, if the master or the owner or his agent so requires, instend of committing the offender to prison, cause hi \(n\) to be conveyed on board for the purpose of proceeding on the voynge, or deliver him to the master or any mnte of the ship, or the owner or his agent, to be by them so conveyed, and may in such case order any costs and expenses properly ineurred by or or behalf of the master or owner by reason of the offence to be paid by the oftender, and, if necessary, to be deducted from any wares which he has then earned, or which, by virtue of his then existing engagement, le may nfterwarils earn. (Sce. 247.)

Seamen imprisoned for Desertion or Breach of Discipline may be scnt on board before Termination of Sentence,-If nny scaman or npprentice is imprisoned on the gromad of his having neglected or refused to join or to proceed to sea in any ship in which he is engaged to serve, or of having deserted or otherwise nb;ented himself therefrom without leave, or of his having committed any other breach of discipline, and if during such imprisonment and before lis engagement is at an end his services are required on board his ship, any justice may, at tho request of the master or of the owner or his agent, eause such scaman or apprentice to be conreyed on bonrd his asid ship for the purpose of procceding on the voyage, or to be delivered to the master or any mate of the ship or to the owner or his agent, to be by them so conveyed, not withstanding that the termination of the period for which be was sentenced to imprisenment has not arrived. (Sec. 248.)

Entries and Certificates of Desertion abroad to be ropied, scnt home, and admittcd in Hvidence.-In alt cases of desertion from any salp in any place albroad the master shall produce the entry of such desertion in the official log book to the person or persons hereby required to indorse on the agreement a certificute of such desertion; and such person or versons shall therenpon malke and cerlify a e al such entry and also.. copy of the said ecrtificate of desertion; and if such person is a public functionary he shall, and in other canes the sad master shall, forthwith transmit such copics to the registrar-general of seamen in
lingland; and the said regisifar whall, if require cause the same to be produced in ony legai eecding; and wuch eopies, if purporting to be made and ecrtifica ns nforesaid, and certitiet have come from the custody of the snill registrar shall in any legal proceediner relating to stat descrtion be receised as evidence of the entri therein appenring. (Scc. el1.)

Facilities for proring Descrtion, so far as an ccrus Forfeciture of Wages.-Whenever a question arises whether the wages of nny seaman er of prentice are forfeited for desertion, it shall be sutb cient fur the party insisting on the forfeiture 1 . show that such seaman or npprentice was dut engaged in or that he belonged to the shin from which he is nlleged to have deserted, and that he quitted such ship hefore the completion of the voyige or engagencent, or if sueh voynge was : terminato in the vuited Kinglom and the ship bins not returned, that he is absent from her, and that an cutry of the desertion has been duly made in the official log book; and thereupon tie tesertion shall, so far as relates to nny forlieture of wages or emoluments under the provisions hereinbefore eontnined, be deemed to be prived, unless the scaman or apprentico ean produce a proper certificate of äiseharge, or ean otherwis? show to the satisfnction of tho conrt that he had sufficient reason for leaving his ship. (Sec. 200)

Costs of procuring Inprisonment may to the extent of 31 . be deducted from Wagcs.-Whenever in any proceeding relating to seamen's wages it is sllown that any scaman or apprentice has in the conrse of the royage been convicted of any offence by any competent tribunal and richifiully punished therefor by imprisonment or otherrise, the court hearing the case may direct a part of the wages due to such seuman, not exceeding \(V\)., to be applied in reimbursing any cost properly ineurred by the master in proeuring such convietion nnd punishment. (See. 251.)

Amount of Forfeiture how to be ascerthined when Seamen contract for the Vnage,-Whenever any seaman contracts for wages by the voyage or by the run or by the shons, and mit by the morth or other stated period of time, the amount of forfeiture to bo incurred unde this Act shall be taken to be an annount bearing the same proportion to the whole wages or shane as a ealcudar montlo or other period (as the asis may be) bears to the whole time spent in the voyage; and if the whole time spent in the voyage does not exceed the period for whish the pay is to be forfeited, the forfeiture shall extent to the whole wages or share. (Sce. 952.)
Application of Forfeitures.-All elothes, efistr, wages, and emoluments which under the provisions hereinbefore contained are forfeited for desertion \(\varepsilon^{\wedge}\) all be applied in the first instance in or towards , e reimbursement of the expenses necasioned by such desertion to the master or ownet of the ship from which the desertion has taken place; and may, it enrned subsequently to the desertion, be recovered by such master, or by the ovner or his agent, in the same mannes as the deserter might have recovered the same if they had not been forfeited; and in any legal proceeding relating to such wages the court mar order the same to be made accordingly; and, sublict to such reimbursement, the same shall be pail into the receipt of her Majesty's exchequer in such manner as the I'reasury miny dircet, and shall be carried to and form part of the consolidated frate of of the United Kingdom; and in all other cases of forfeiture of wrges under the provisions liepellbefore contained the forfeiture shall, in the absence of any specific directions to the contrary; be
id registrar shall, if requied, a protuced in sny legai ;-rosopies, if purporting to be as aforesaid, and certitied th constorly of the said registar, proceeding relating to stath d as cridenee of the entrim (Sce, 219.)
ring Desertion, so far as cin. Tayes.-Whenever a question wages of any scaman of a; 1 for descrtion, it shall be sulth. insisting on the forfeiture 10 man or apprentice was dull: he belonged to the ship from d to have deserted, and that p before the completion of the ent, or if such voyage was \(t\). nited Kingdom and the ship at he is absent from her, and the descrt:on has been duly I log book; and thereupon the far as relates to any forfiture luments under the provisions ined, be deemed to be provel. 1 or apprentice can produce a of Gischarge, or can otherwise ction of the court that he had r leaving; his ship. (Sec. 2ij). ring Imprisonment may to the ducted from Wages.-Whenerer relating to seamen's wagesitis :aman or apprentice has in the yage been convicted of any ofnpetent tribunal and rightifully - by imprisonment or otherrise, ; the case may direct a part of such seaman, not excreding 3 reimbursing any eosts property master in procuring such coahment. (Sec. 251.) orfeiture how to be ascertwized nitract for the Vn:age,-Whera contracts fir wages by the c run or by the shat, aniln nt other stated period of time, the ture to be incurred mader this n to be an annount beariug the to the whole wages or shane as 1 or other period (as the cast the whole time spent in the the whole time spent in the xceed the period for which the ited, the forfeiture shall extend ited, the fore (Sec. 252.)
Forfeitures.-All clothes, ffiets, aments which under the provicontained are forfeited for depplied in the tirst instance in or bursement of the expenses nectscrtion to the master or owner which the desertion has taken it earned subsequently to the vered by such master, or by the nt, in the same manaet is the ave recovered the same if they ited; and in any legal proceelich wages the court mar orier de accordingly; and, subied to not, the same shall be paill into or Majesty's exchequer in surh casury may direct, and shall the on part of the consolidated fund gdom ; and in all nther cases of s under the provisions berecinthe forfeiture shall, in the alrfic directions to the contrary, be
for the bepefit of the master or owner by whom the wages are paynble. (Sec. 253.)
Qupstions of Forfeitures may be decided in Saits for Wages.-Any question eonecraing the forfinture of or deductions from the wages of any raman or apprentice may bo determined in any proceding lawfully instituted with resnect to such wares, notwithstanding that the oufence in respect if which anch question s.rises, though hitaby made pumishable by imprisonment as well as forteiture, has not been male the subject of any criminal procceding. (Sec. 254.)
Pinalty for false Statements as to last Ship or lime.-if any seaman on or before being engagel withully and frudulently makes a false statement of the name of his last ship or last alleget ship, of wilfuliy and fraudulently makes a fialse statement of his own name, he shall ineur a peralty not exceeding 51 . : and such peualty may be deducted from any wages be may enti by virtue of sach engarement as aforesaid, and shall, suliject to rembursement of the loss and expenses if any) occasioned by ant evious desertion, be jaid and applied in the \(t\) ne manner as other pensltics purable under this 4et. (Sec. 25j.)
Fines to be deducter' from Wages, and paid to Shiping Muster.-Whenever any scamnn commits an act of misconduct for which his agrecment imposes a fine, and which :t is intended to punish ty enforcing such tine, an entry thereof shat be made in the ollicial log book, and a eopy of such eutry shall be furnished ot the same shat be read over to the offmier, and an entry of wh readiar over, and of the reply (if any) maie by the offender, shall be made, in the manner and subject to the conditions hereinbefore specitied wath respeet to the offences sgainst discipline spocitied in and pumishable under this Aet; and such fine shall be deducted and paid over as follows: viz. if the offender is diselarged in the United Kinglom and the Hence and such entries in respect thereof ns affersaid are proved, in the ease of a forcigngoing ship to the satisfaction of the shipping master before whom the offender is discharged, and in the eese of a hone trade ship to the satisfaction of the shippmg master nt or nearest to the place at which the crew is discharged, the master or orner shall dednet stech tine from the wages of the offender, and pay the sa ne over to such shipping master; and if before the timal diselarge of the crew in the United Kiuglom any such offender as aforesaid enters into any of her Majesty's shipz, or is discharged abroad, and the oftere sand such entries as aforesaid ure proved to the satisfaction of the oticer in command of the slip into which he so enters, or of the consular ufficer, officer of custons, or other person by whose sanetion he is so discharged, the fine shali thereupwin be deductel, ard the entry of such tedaction shall then be made in the official log book (if any) ant signed by sucl oflieer or other person; and on the retum of the ship to the United Kingdom, the master or owner shath pay over such fine, in the ase of foreign-going shijp; to the shipping master befure whom the erew is discharged, and in the case of home tr ule ships to the shipping master at or nesrest to the place at which the crew is daschatged; and if aay master or owner nergleets of refuses to pay orer auy such line in manmer ajuresaid, be shall for each such offence ineur a pealty not exceeding 3 times the amount of the bine retained by him: proviled that no act of misconduct for which any such ine as aforesaid bas been inflicted and mid shall be ctherwise punished under the provisions of tbis Act. (See

Pcnally fir contiding to deseri, and harbouriny Descrters.-Livery jerson who by any meanis whatever persuailes or attempts ioprsuade any scaman or mptren, ice to negleet or refinse to join or to pioced to sea in, or to desert from his shif). or otherwise to absent himself from his duty, shat! for each sueh oftione, in respect of each such seamun or apprentice, incur a penalty not exceding 10l.; nol every person who wilfully harbours or sceretes any reaman or apprentice who has deserted from his ship, or who has wilfallyneglected or refused to juin or has desertel froiu his ship, knowing or liaving reason to believe such seaman or apprentice to have so done, shal. lor every such seaman or apprentice so harboured or secreted, incur a penalty not exceeding 20 . (-ce. 25 F .)
P'enalyy for obtaining I'assage surreptitionsly.Any person whor secretes himself and goes to seu in my ship? without the consent of either the owner, consignee, or master, or of a mate, or at any persou in chatge of stuch ship, or of any other person entitled to give such consent, shat incur a penalty not exceeding 20l., or be liable to impris'mment with or without hard labour for any period not exceeling 4 weeks. (Sec. 258.)

On Change of Masters, Documents herfby required to be hended over to Suecessor,-If during the progress of a voyare the master is superseded or for any other roason quits the ship and is sur-ceeded in the commond by some other person, he shall deliver to his suceessor the var:ous documents relating to the navigation of the ship and to the crew thereof which are in his eustorly, and shanll in default incur a penalty not exceeding 1001.; and such suceessor shall immediately on assuming the command of the ship enter in the: othiciai log ac list of the documents so delivered to him. (Sir. 2;9.)

Desertion has lons heen, and continues to be, very previlent, and is, in truth, by far the greatest drawbick on the shipping interest. Mr. lindsay, whose knowledge of the sulyect is alike extensive and mimute, rearark upon it as follows: -Desertion is now so great an evil, and so detrimental to the best interests of our maritime commerec, that vigorous measures should be: adopted to suppress it. It is a crime which is rarely committed alone, and is too frequently the tirst step towards others of a much worse nature. Even the seamen almost invariably repent of it when too late. They feel that they have broken faith, lost that solf-respect which is essential to the mantenance of order, drown their feelings in intoxication, and thus become demoralised and worthless. The comntry loses in various ways. In our trade with Australia particularly, by paying materially enhanced rates of freight and passare, fur the desertion of the crew was the only tear whict the ship-owners at one time had of sendiug their vessels to that colony. The moral standard of a class of men, alike valuable thring periods of petce and war, is materially lowered, and we have to maintain, trom our narish resources, the paupelised wives aud children of deserters.
'This suljeet was much considered by Governmeat when framir \(r\) : lis Mercant:le Marime Act, and varions clanses were introduced into that stafute having relerence to it. The one which comes most to the point is the 7 1st clause (ante, see. 246), which enaets, "that whenever a seamar or apprentice neglects or refuses to join, or absents himself withont leave, or deserts from any ship in which he is engared to serve, the master or mate, or the owner, ship's husband, or consignee, may, for the purpose of earrying him belore a justice,
apprelhend or require any police oflicer or constable to apprehend him without tirst procuring a warmut." Masters may, also, without wartant, seize elescrters and carry them either betore a magistrate or on board their ships. Bat when seamen elesert, they generally get out of the way of semzure till the vessels which they have deserted have left the port. They know full well that the extent of their punishment, even it they be taken, camot execed 3 months in what to them are comotortable quarters, iund that very likely, judging by precedent, it may not excced 1 month-a tritining penalty for so serious nn offence. Hesides linprisument, the deserter is also liable to torfcit such clothes or efleets as he may have on board, and such wages or emoluments as he moy have carned. If the tesertion take place abroad, he forfeits whatever wages and emoluments he may earn in any other ship in which he may return to the Linted Kingdom, and he further becomes liable to satisfy any excess of wages paid by the naster or owners if the ship from which he deserts to any substitute engaged in hus place. Such is the full extent of the punishment. We shoukl, however, have less to say apninst its insaticiency, were the means of convicting offeuder less complex. While they remain in their present state, seamen will continue, as hitherto, to desert when it suits their purposes. No more convineing prool need be given of the inethicacy of the laws bearing poon desertion, than the faet that one firm only, Mlessrs. Pollock, (iilmour, and Co., of Glasgow, engaged in the North American timber trade, have had, during 1 year, upwards of 100 seanen deserters abroad from their ships; that the consequent loss entailed on the firm exceeded \(3,000 \%\), merely in the higher wages they were eompelled to pay to scamen to supply the place of the deserters; and that they only sueceeded in arresting 11 out of the 400 lleserters.' (On Our Narigation Laws and Mercantile Marine, 2nd ed. p. \(85 \mathrm{\& c}\).)

This is a very striking statement. But in truth and reality, desertion is an evil with whieh it is very ditheult, if not impossible, to deal. It may be palliated; but more need hardly be expeeted; and we incline to think that the clauses previously quoted go quite as far as it is advisable to go in attempting its suppression by penal chactments. When seamen arrive in a port where their services are in sreat request, and wages double, perhaps, what they are serving tor, how can it be supposed that they should be generally proof against such overpowering temptations? But as commeree becomes more extended. the diflerence of wages in different seaports will decline; and the more they approach to equality, the less temptation will there be to desert. Mr. Lindsay suggests as one mode of dealing with this diffeult subject, that all seamen returning to this country previously to the arrival of the ships in which they had sailed, who cannot produce certilicates of their discharge, or otherwise account satisfactorily for their return, shonld be held to be guilty of desertion and punished accordingly.
\(\Lambda\) regulation of this sort swould, probably, be some elieck on desertion, though we doubt whet her it would amount to much. But we believe that nothing short of that equalisation of wages to which we have referred wonld do so much to lessen its frequency and to make it more an object of public reprobation, as an improvement in the eharacter of the masters. The drunkenness and brutality that liave been so often manifested by thelatter, though happily on the decrease, create a presumption that seamen guilty of desertion have been driven to it by ill-usage, and indisposes
the public to inerease the penalties on the offence. And hence it may, perhaps, be questioned whet anything will be more likely to render it, as it onglet to be, a serious mutter in the publiceretjmation, than the measures that have lieen taken, and with good effect, to raise the fualifications of the masters, and to make t'seir conduct more in aeeordance with their position.
It is almitted, indeed, by nll legislators and jurists that gross miseonduct, or systematic and extreme ill-treatment on the part of the maser, will justily the seamen in resisting his authorit. or desserting the ship. 'The duties and ubligations of master and men are reciprocal : the latur are bound to give due obedience and respeet to all the rasomable commands of the master, and even tu those that may appear to be unreasonable; but they are not bound to obey orders that woull! obviously compromise their own seeurity or that of the ship. 'Desertion,' said Lord henyon, 'is a forfeiture of wnges; but if the captain conduct himselt in such a way as puts the sailor into that situation that he cannot without damage to his personal safety continue in his service, (human nature apeaks the language, a servant is justitied in providing for that safety.' 'The uecessity ot securing on all ordinary oceasions the most primpt compliance with the orders of the master in, however, so very urgent, that no proceeting un the part of the latter, unless it be of the anst unwarrantable description, will justity the seamen in cleserting or resisting his commaads, lisobedience to the latter is uniformly presumed to be an oflenee of the gravest kind: and gothing but the most overwhelming necessity will vinclicate the scamen by whom it may becommitted. 'The court,' to use the words of Lotd Stuwell, 'will be particularly attentive to preserve that subordination and diseipline on board ship which is so indispensably necessary for the preservation of the whole service, and of every persaa concerned in it. A peremptory or harsh tone or an overcharged manner, in the exercise of authority, will never be held by this court to jastify resist ance. It will not be sutheient that there ha been a want of that personal attention and civility which usually takes place on other oceasions, and might be wished generally to attend the exercise of nuthority. The nature of the service requires that these persons that engage in it should accommodate themselves to the circumstances attending it, and those circumstanses and not unfrequently urgent, and create strong eetsations which niturally tind their way in strons expressions and violent demeanour. The persons subject to this species of authority are aot to be captious, or to take exception to a neglect of formal or ceremonious observanees." (Dodsoa's Admiralty Reports, ii. 261.)

If' the cargo be embezzled or injured by the frated or negligence of the seamen, so that the merchant has a right to claim satisfactioa from the master and owners, they may, by the custon of merchants, deduct the value thereof from the wages of the seamen by whose miseonduct the injury has taken place. And a clause to this etliect is inserted in the form of agreement issued by the Board ot Trade, as follows: 'It is bereby agreed that any embeazlement, or wilful or negifgent destruction of any part of the ship's argo of stores, shall be made good to the owner out of the wages of the person guitty of the same. Seamen are, therefore, responsible for themselres only. Nor can any innocent party be called upon to contribute a portion of his wages to make good the loss oecasioned by the misconduct of others. The offences of ruaning away with the ship, or
the penalties on the offence haps, he questioned whether c likely to render it, th matter in the publie esti sures that have heen taken to raise the qualifieations of ake t'eir conduct more in position. ceed, by all legislators and secuduct, or systomatic and t on the part of the masior in resisting his authrity
The duties and obligationis re reciprocal : the latur ard edience and respeet to all the of the master, and even to ear to be unreasonable; the to obey orders that weuld ae their own security or tha ton,' said Lord hernyou, 'is a but if the captain condue a as puts the suilor iato that amot without damage to bis inue in his service, (haman nguage, a servant is justided at safety:' 'The necessity "I lary oecasions the most proupt he orders of the master i-, irgent, that no proceediay on ter, unless it the of the most ription, will justify the seamen sisting his commaads, bisatter is tuniforuly presumed to he gravest kind: and gothing whelming necessity will vinby whom it may becommitted. se the worts of Lord Stowell, rly attentive to nreserve that diseipline on board ship whieh necessary for the preservation iee, and of every person conperemptory or harsh tone or an er, in the excreise of authority, 1 by this court to justify resistt be sutlicient that there has hat personal attention and cilly takes place on other oceabe wished geacrally to attend thority. The nature of the str these persons that engage in it late themselves to the circumit, and those circumstanes art urgent, and create strong senwrally tind their way in stron iolent demeanour. 'The persions cies of authority are aot to be ake exception to a neplect of nious observances.' (Dodiods s, ii. 261.) e embezzled or injured by the aee of the seamen, so that the right to elaim satisfaction from vners, they may, by the custen luet the value thereof frem the nmen by whose miseonduct the place. And a clause to this in the form of agreement lisuct Trade, as follows: 'It is beedy embezalement, or wilfal or negh of any part of the sbip's carto of made good to the owner out ot he person guity of the same. efore, responsible for themsedves iny innocent party be called upon ortion of his wages to make gou ed by the misconduct of others. of ruming away with the ship, ot
voluntarily yielding her up oo an enemys or makiug a revolt, Jinve in nll cases been visited with the severest pumishment. The statute \(11 \& 12 \mathrm{Wm}\). IIJ. e. 7 enated-
- That if any commander or master of any ship, or any seaman or mariner, shall in any phace where the admiral hath jurisdietion, betray his tmot and turn pirate, enemy, or rebel, and uratically and feloniously run away with his or their ship or ships, or any barge, hoat, orlnmere ammunitic:, goods, or merchandises, or vichd them un voluntarily to any pirate, or shall bring any selueing messages from any pirate, enemy, ar rehel, or consult, combine, or confederate with, or attempt or endeavour to corrupt any commader, master, oflicer, or mariner, to vield up of run away with any ship, goods, or merchandises, or turn pirate, or go over to pirates: or if nuy person shall lay violent hands on his commander, whereby to hinder him from tighting in defence of his ship, and goods committed to hi trust, or shall contine his master, or make or cadeavour to make a revolt in the ship; shall be aiduaged and deemed and t ken to be a pircte fon, and robber, and being convieted theren sending to the directions of this Act, shall have and suffer pain of death, loss of lands, goods, and chaitels, as pirates, felons, and robbers, upen the seas ought to have and sutfer.'
But by the 7 Wm . IV. \& 1 Vict. e. 88 , the penalty fur this offence has been changed to transportation beyond seas for life, or for not less than 15 years, or to imprisonment for any term not exceeding 3 rears 'The Acts \(12 \& 13\) Viet. e. 96, and 23 \& 21 Fict. c. 88 , provide for the trial and punishment a the colonics of India of such offence.
The wilful destruction or loss of the ship has, in all countries, been punished by death. But doubts laving been entertained whether the destruction of a ship that had been insured camo within the scope of the previonsly nxisting statutes, they were repealed by the 43 (ieo. 11I. e. 113, and the following provision substitnted in their tead:-
'That is any person or persons shall, from and after July 16, 1803, wilfully cast away, burn or atherwise destroy any ship or vessel, or in anywise counsel, direet, or procure the same to be done, and the same be aceorlingly done, with intent or design thereby wilfully and malicionsly to prejudice any owner or owners of such ship or vessel or any owner or owners of any goots laden on board the same, or any person or persons, boly politic or corporate, that hath or have underwritten or shall underwrite any policy or policies of insurance upon such ship or vessel, or on the freight thercof, or upon any goots Inden on board the same, the person or persons of fendiner therein, being thereof lawfully convieted, shall be deened and adjudged a principal felon or felons, and shall suffer death, as in cases of felony, without benefit of clergy.'
After various sibsequent changes of the law, the peunlty for this offence is now, 180.0, transportation for life, or not less than 3 vears, or imprismment for a term not exceeding'2 years, with o: without hard labour and with or without soitary confinement, and if committed by a male nnder 16 years, with or without whipping. ( \(2 \cdot 1\) \(\& 25\) Vict. c. 97 ss .42 \& 43.)
4. Payment of Seamen's IWages \& \(\cdot \mathrm{c}\), -In order to stimulate the zeal and enterprise of seamen, most maritime states have made the payment of their wages depend on the successful termination of the yoyage; and for this reason. the insurance of their wages has been uniformly prohibited (Amould On Iusurance, i. 208). Hence the maxim
that freight is the only mother of wages. 'If freight go,' said Lord stowell, 'everything goes. The mariner has no step further, if I maly say so, in the character of insurer, to supply the loss.' (2 Dodson's Admiralty Reports, 510.) And, therefore, it used to be luid down in general terms, that when by any disaster huppening in the course of a rovage, such as the loss or capture of the ship, the owners lost their frejght, the seamen also lost their wages.
lhut this reneral rule was subject to mumerous panitications. Thas, if a vovare misearried, and the freight were lost. through the incompetener or fand of the master; or it, after being entered upon, and in part completed, the voyage were abandoned by the owners; or if a vessel were sent from one port to another, to be freighted, where no freight was to be found: in these nal other cases of the same sort, the cham of senmen to pryment of their wages was too obviously reasonable not to be generally admitted. Inasmuch, too, is owners may protect themselves, by insurance, against loss by shipwreck and other easnalties, it wohld appear \(t\), be hardly fair or equitable that the wages \(r_{1}\) senmen, who cannot avail themselves of this resouree, should be wholly sacritieed in the event of such catastrophes oeeurring. And this hardship appears the greater from the circmanstance of the lives of the seamen being most commonly involved in the safety ot the ship. It is, no doubt, contended by Valin, who has argued in favour of the old rule, that if seamen ceased 'd'avoir intérêt à la conservation du mavire et de ses marchandises, au moindre péril dont ils seroient menacés, ils ne songeroient qu't sauver leur vie, sans se mettre en pcine du reste; i] citoit done juste, et du bien public, d'attacher leur fortane ì celle du vaissean.' (Commentaire sua: l'Ordormance de 1681, liv. jii. tit. iv.) But it may be sately aflirmed that the desertion contemplated by Valin is not practicable in on case ont of twenty. In storms and collisions at sea escape is very rarely possible; and it is not often possible even in cases of wreek by vessel. being driven on shore. ILenen, in the vast majority of cases, it may be fairy presumed that a regard to their own personal seeurity, indenendent altogether of any consideration in relation to wages, will make seamen exert themselves to the utmost.

And none, it must be borne in mind, has ever proposed, as Valn woulit seem to assmme, that the payment of wages in cases of loss should be irrespective of the conduct of the seamen. They are bound in all cases, and especially in cases of danger, to make every possible ctlort for the safety of the ship and cargo. If they fail in this most essential part of their lluty, they plainly forfeit all elaim to wages, whether freight be earned or not. But, in the event of their doing their thaty, and making every possible exertion to save the ship and eargo, it does not appear that the loss of the latter shouh exempt the owners from the claim of the seamen for wages. On tb contrury, it would seem that in such eases the payment of wages is consistent alike with the interests of navigation and of the public.
But, however brought abou, the old doctrine of the absoluto dependence of wages on freight las been gradually losing its authority. After various modifications, it was enacted by the \(7 \& 8\) Viet. e. 112 that in cases of shipwreek or loss of the ship, whether freight had or had not been previously earned, seamen should be entitled to their wages down to the occurrence of the casualty on their producing a certiticate from the principa surviving officer of the ship, that they had exerted
themselves to the best of their ability to save the ship and cargo. But a condition of this sort havine led to much difliculty and abuse, it has been laid down in the 17 d is Vict. c. 104 s .183, that the right of seamen to their wages shall not depend on the fhet of freight being carned; and that in enses of wreck, and loss of the ship, they shall be entitled to their wages, muless proot bo brought to show that they did not exert themselves to tho utmost to save the slup and cargo. At present, therefore, it may be concluded, that nothing save their own misconduet can defeat tho claim of scamen to the full phyment, of the wages stipulated in their agreements.

A feaman impressed from a merchant ship into the royal service, is entitled to receive the portion of his wares dne to him at the time of impressment, provided the merchant ship arrive in safety at the port of her discharge.
'Ihe following clauses in the Mercantile Shipping Act relate to the allotment, payment, remitance de. of seamen's wages.

Regulations as to Allotment Notes.-All stipulations for the allotment of any part of the wages of a seaman during his absence which are made at the commencement of the voyage shall ve inserted in the agreement, and shall state the amounts and times of the payments to be mate; nod all Allotment Notes shall be in forms sanctioned by the Board of Trade. (Sec. 168.)

Allotment Notes may be sued on summarily.-The wife, or the father or mother, or the grandfather or grandmother, or any child or graudchild. or any brother or sister of any searnan in whose lavour an allotment note of part of the wages of such scaman is made, may, unless the senman is shown in manner aftermentioned to have forfeited or ceased to be entitled to the wages ont of which the allotinent is to be paid, and subject, as to the wife, to the provision after contained, sue for and recover the sums allotted by the note when and as the same are male payible, with costs, frem the owner or any agent who has authorised the drawing of note, either in the County Court or in the summary manner in which seamen are enabled to sue for and recover wages not exceeding 501. and in any such proceeding it shall be sutlicient for the claimant to prove that he or she is the person mentioned in the mote, and that the note was given by the owner or by the master or yome other authorised agent; and the seaman shall be presumed to be duly earning his wages, unless the contrary is shown to the satisfaction of the court, either by the ofticial statement of the change in the crew caused by bis absence made and signed by the mnater, as by this Act is required, or by a duly certified copy of some entry in the official lor book to the effect that he has left the ship, or by a credible letter from the master of the ship to the same effect, or by such other evidence. of whatever deseription, as the court in its absolute discretion considers sufficient to show satisfactorily that the seaman has ceased to be entitled to the wages ont of which the allotment is to be paid: provided that the wife of any seammo who deserts her children, or so misconducts herself as to be undeserving of support from lier husband, sball thereupon forfeit all right to further payments of any allotment of his wages which has been made in her favour. (Sec. 169.)
Discharge from Foreign-going Ships to be made before Shipping Master.-In the case of all British foreign-going ships, in whatever part of her Majesty's dominions the same are registered, all seamen discharged in the United Kingdom shall be discharged and receive their wages in the presence of a shipping master duly appointed
under this Act, except in cases where some com. petent court otherwise directs; and any master or owner of any such ship who thischarges any seaman belonging thereto, or, except as nforesaid, pays his wages within the United Kingdom in any other manner, shall incur a penalty not exceeding 101 ; and in the case of home trate ships seamen may, if the owner or master so desires, bo discharged and receive their wages in like manuer. (See. 170.)

Master to deliver Account of Weages,-Every master thall, not less than 2.4 hours before paying oll or discharging any seamam, deliver to him, or it he is to be discharged bofore al shipping master to such shipping master, a full and true acconat in a form sancrioned by the Board of 'Irade of his wages and of all deductions to be made therefrom, on any account whatever, and in default shall for each offence incur a penalty not excecding \(5 /\); and no deduction from the wages of any scaman (except in respect of nuy matter happening after such (lelivery) shall be allowed unless it is includel in the account so delivered ; and the master shall during the veyage enter the various matters in respect of which such deductions are made, with the amounts of the respective deductions, ns they occur, in a book to be kept for that purpose, and shall, ir required, produce such book at the time of the payment of wages, and nlas upon the hearing before nuy eompetent authority of any complaint or question relating to such payments. (Sec. 171.)

On Disclarge, Masters to give Seainen Certificates of Discharge \&c.-Upon the discharge of any scaman, or upon payment of his wages, the master shall sign and give him a certificate of his discharge, in a form sanctioned by the Board of Trade, specifying the period of his service and the time and place of his discharge; and if any master fail to sign and give to any such seamain such certificate of discharge he shall for cach such oflence ineur a penalty not exceeding 101. ; and the master shall also, upon the discharge of every certiticnted mate whose certificate of compeieney or service has been deliverel to and retained by him, return such certificate, and shall in default jncur a penalty not exceeding 20l. (Sec, 172.)

Shipping Mastcr may deeide Questions uhich Parties refer to him.-Every shipping master shall bear and decide any question whatever between a master or owner and any of his crew which both parties agree in writing to submit to him; and every awnrd so made by him slasll be binding on buth parties, and shali, in any legal procecting which may be taken in the matter before ary court of justice, be deemed to be conclusive as to the rights of the parties; and no such submission or nward shall require a stamp; and any document purporting to be such submission or award shall be primâ facic evidence thereof. (Sec. lia.)

Mastcrs and others to produce Ship's Papers to Shipping Masters, and give Evidence.-In any procecding relating to the wages, claims, or discl se of any scaman carried on before any shipping master under the provisions of this Act, sach shipping master may call upon the owner or bis agent, or upon the master or any mate or other member of the crew, to produce any log books, papers, or other documents in their respective possession or power relating to any matter in question in such proceeding, and may call before him and examine any of such persons being then at or near the place on any such matter; and every owner, agent, master, mate, or other member of the crev, who, when called npon by the shipping master, does not produce any such paper or document 月a \(^{2}\) aforesaid, if in his possession or power, or does
n cases where some com. directs; and any master ship who discharges any to, or, except as aforesaid, the United Kinglom in - incur a penalty not exe case of home trade ships er or master so desirrs, be their wages in like manner.
ccount of Wiges-Every anin 21 honts bifore paying, sennan, leliver to him, or, 1 bofore at shipping master, \(r\), a full aud true acconnt. \(y\) the loard of 'l'rade of his tions to be numle therefrom, ver, and in default shall for penalty not excecuiney \(b /\); the wages of any senman any matter happening after be nllowed unless it is inso clelivered ; and the master ge enter the various maters ch deductions are made, with spective deduetions, as they kept for that purpose, mid duce such book at the time wages, ank also upon the ompetent authority of my I relating to such payments.
sters to gire Seamen Certift-c.-Upon the discharge of payment of his wages, the 1 give him a certificate of his sanctioned by the Board of se period of his service and of his discharge; and if any and give to any such seamm seliarge he shall for each such alty not exceeding 101 ; and p, upon the discharge of every ose certilicate of compriency delivered to and retanned bis rilicate, and shall in default exceedinf 20l. (Scc. 172.) may decide Questions which - Every shipping inaster sball question whatever betweed \(n\) f any of his crew which hoth ting to submit to him; and ly him sliall be bindint on all, in any legal proceeding in in the matter before any lemed to be conclusire as to ties; and no such submission ire a stamp; and any docube such submission or award evidence thereaf. (See. 173.) to produce Ship's Papers to nel give Evidence-la ally to the wages, elaims, or disal carried on before any shipe provisions of this Act, sueh y call upon the owner or bis naster or any mate or other \(r\), to produce nay log books, ments in their respective posting to any matter in question and may call before him aad persons being then at or near oh matter; and every omber, or other member of the crev, on by the shipping master, such paper or docament as pessession or power, or does
not appear aud give evidence, shall, unless he hows some reasonable exeuse for sueli defanit, for each such offence incur a penalty not exceeding jh. (Sec. 174.)

Sottlement of Wages.-The following rules wall be observid with respect to the settlement of wares (that is to suy):-
(1) Upon the coupletion before any shippingr naster of any discharge and settlement, the masnet owner and caeli seaman shall respectively in the presence of the shipping master, sign in \(n\) form sanctioned by the Boaril of Trade a mutual release of all ciains in respect of the past voyage or engafement, and the shipping master shall adso sign and attest it, and shall retaiu and transmit it as herein directed :
(2) Such release so signed and attested slaall (perate as a inntual discharge nnd settlement of all demanls between the parties thereto in respect of the past voyage or engragement :
(3) A copy of such release certitied under the hand of such slipping master to be a true copy whall be given by him to any party thereto requiring the same; and sueh copy shall be reccivwhe in evidence upon any future question tonching such claims as aforesaid, and slall have all the effect of the original of which it purports to be a cup:
(t) In eases in which disclarge and settlement hefore a shipping master are hereby re!uired, nopayment, reecipt, settlement, or diselarge oberwise made shall operate or be numitted as evidence of the release or satisfaction of any daim:
(.) Upon any payment being made by a master bevere on shipping master, the shipping master shall, if required, sign and give to suel master a statement of the whole amount so paid; ant weh statement slaall as between the master and his employer be recoived as evidence that he his made the payments therein meationed. (Sec. 175.)

Master to make Reports of Character.-Upon every discharge effected before a shipping master the master shall make and sign, in a form sanctioned by the Board of 'Trade, a report of the condact, character, and qualifications of the persons discharged, or may state in a column to lo left for that purpose in the said form, that he deeliues to give ally opinion upon suel particulars, or upon any of them; and the slipping master shall transmit the same to the registrar-general of reamen, or to such other person as the Board of Trade directs, to be recordeel, and sliall, if desired so to do by any seaman, give to him or indorse on his certificate of discharge a copy of so much of such report as concerns him : and every person who makes, assists in making, or procures to be made any false certificate or report of the service, pualifications, conduct, or character of any seaman, knowing the same to be false, or who forges, assists in forging, or procures to be forged, or fraudulently alters, nssists in fraudulently altering, or procures to be fraudulently altered, any such certificate or report, or who fraudulently makes use of any certiticate or report, or of any copy of any certificate or report, which is forged or altered or does not belong to lim, shall for each such offence be deemed guilty of a misdemeanor. (Sec. 176.)

\section*{Remittance of Wages and Savings Banks for Seamen.}

Facilities may be given for remitting Seamen's Wayes.-Facilities shall, if the Board of Trade so directs, be given for remitting the wages and ther moneys of scamen and apprentices to their
relatives or other persons by means of money
orders issued by shipping masters ; and the lionrd of Tresued by shipping masters ; nnt the hoard or Trade may make regulations concerning such orders, and the persons by ar to whom, and the mode uull time in and at which the same are to be pail, ami may from time to time repeal or alter any such !egulations; and all such regnlations, sin loug as they are in toree, shall be binding upon all persons interested or claiming to be interested in sueh orders, as well na upon the ollieers employed in issuing or paying the same; and no legal proceeding shnll be instituted against the Board of 'Trade or against any shipping master or other public ollieer employed about such order: on account of any such regulations, or on account of any net done or left undone in pursuance theredf, or on account of any refusial, neglect, or onission to pay any such money order, unless such refusal, neglect, or onission atise from fraud or wilful mistelaviour on the part of the person against whom proceedings are instituted. (Sec. 177.)
Power to Pay whicn Order is lost.-The Bonrd of Trale may, in any case in which it thinks fit so to do, cullise the amonnt of any such moncy order as aforesnid to be paid to the persan to whom or in whose favour the same may have been granted, or to his personal representatives, legatees, or next of kin, notwithstading that such order may not be in his or their possession ; and in all such cases from and after such payment the Board of Trade nud every shipping master or other oficer of the Board of 'Trale shall be freed from all liability in respect of sueh order. (Sec. 178.)
Penalty for issuing Money.-Every shipping master or other public officer who grants or issues any moncy order with a framiulent intent shall in Englond or Ireland te deemed guilty of felony, and in Scotland of a high erime and offence, and shall be liable to te kept in penal servitude for a term not exceeding 4 years. (Sec. 179.)
Savings Banks for Seamen may be esta. 'ished. -The Commissioners for tho reduction of the National Debt, or the comptroller-genernl acting under them, may on the application nad recommendation of the Buard of Tracte, establish savings banks at suels ports nad places within the United Kingdon, either in the shipping oflices established in such purts or clsewhere, as may appear to beexpedient, and may appoint treasurers to receive from or on acceunt of seamen, or the wives and families of seamen, desirous to become depositors in such savings banks, deposits to an amount not exceediag 1500. in the whole in respect of any one account, under such regulations as may be prescribed by the said commissioners or comptrollergeneral; and such regulations shall be binding on all such treasurers and depositors; and the said commissioners may remuve such trensurers, and appoint others in their place; and all the provisions of the Aets now in force relating to savings banks, except so far as relates to the annual amount of deposit, shall apply to all savings banks which may be established under the authority of this Act, and to such treasurers and depositors as aforesaid. (See. 180.)
By the \(19 \& 20\) Vict. c. 41 the immediate management of the savings banks for seamen is placed in tho Board of Trade, which has power to establish central and branch savings banks and to make regulations for their conduct.
In March 1865, the Board of Tra le issued ivstructions to our consuls at certain ports, to coable seamen, when paid abroad, to remit their wages home by money orders.

\section*{SEAMEN}

\section*{Legal hight to Wajes.}

Right to Wages and P'rovisions, when to begin.A scaman's right to wages and provisions shall be taken to commence either at the time at which he commences work or at the time specified in the agreement for lis commencement of work or presence on board, whichever first happens. (Sec. 181.)

Scamen not ta give up certain Rights.-No senman shall by any agreement forfeit his lien upon the ship, or be deprived of any remedy for the recovery of his wages to which he would otherwise have been entitled; and every stipulation in any agreement inconsistent with any provision of this Act, and every stipulation by which any seaman consents to abaudon his right to wages in the case of the loss of the ship, or to abandon any right which he may have or obtain in the nature of salvage, shall be wholly inoperative. (See. 182.)

Wages not to be dependent on the earning of Freight.-No right to wages shall be dependent on the earning of freight; and every scaman and apprentice who would be entitled to demand and recover any wages if the ship in which he has served had earned freight, shall, subject to all other rules of law and conditions applicable to the case, be entitled to claim and recover the same, not withstanding that freight has not beeu earned; but in all cases of wreek or loss of the ship, proof that he has not exerted himself to the utmost to save the ship, cargo, and stores shall bar his claim. (Sce. 183.)
In case of Death, Wages to be paid.-If any seaman or apprentice to whom wages are due under the last preceding enactiment dies before the same are paid, they shall be paid and applied in the manner after specified with regard to the wages of seamen who die during a royage. (See. 184.)
Rights to Wages in case of Termination of Service by Wreck or Illness.-In cases where the service of any seaman terminates betore the period contemplated in the agreement by reason of the wreek or loss of the ship, and also in cases where such service terminates before such period as aforesaid by reason of his being left on shore at any place abroad under a certificate of his unfituess or inability to proceed on the voyage granted as after mentioned, such seaman shall be entitled to wages for the time of service prior to such termination as alioresaid, but not for any further period. (Sec. 180.)
Wages not to accrue during Refasal to Work or Inprisonment.- No seaman or apprentice shall be entitled to wages for any period during which he unlawfully refises or negleets to work when required, whether before or after the time fixed ly the agreement for his beginning work, nor unless the court hearing the caso otherwise directs, for any period during which he is lawfully imprisoned for any offence committed by him. (Scc. 186.)
Period within which Wages are to be paid.The master or owner of every ship shall pay to every seaman his wages within the respective periods following. (that is to say); in the case of a lome trade ship, within 2 days after the termination of the agreement or at the time when such seaman is discharged, whichever first happens; and in the case of all other ships (except ships employed in the southern whale fishery or on other voyages for which seamen by the terms of their agreement are wholly compensated by shares in the profits of the adventure), within 3 days after the cargo has been delivered, or within 5 days after the seaman's discharge, whichever first happens; and in all cases the seaman shall at
the time of his disclarge be entitloll to be paid on aceount a sum efual to one-fourth part of the balance due to him ; and every master or owne who negleets or refuses to make payment in mand ner aforesaid, without sutlecient cause, shall par to the seaman a sum not exceeding the amount of? days' pay for ench of the days, not exceeding 1 days, during which payment is delayed lecyond the respectivo periods aforesail, and such stiml shatl be recoverable as wages. (Sec. 187.)

\section*{Mode of Recovering Wages.}

Scamen may sue for Wages in a summary manuer. - Any seaman or apprentice, or any person duly anthorised on his belalf, may sue in a summary mamer before any two justices of the prace acting in or near to the place at which the service ha? terminated, or at which the seaman or apprenties has been disclarged, or at which any person utpon whom the claim is made is or resides, or in Stho land either beforo any such justices or before the sheriff of the county within which any such phace is situated, for any amount of wages due to suci seaman or apprentice not exceeding 501. orer and above the costs of any proceeding for the reeoren: thereof, so soon as the same becomes parable: and every order made by such justices or shexif in the matter shall be final. (See. 188.)
Restrietious an Suits for Wages in Superior Courts.-No suit or proceeding for the reeovery of wages under the sum of \(50 /\), shali be instituted bs or on behalf of any seaman or appreatice in any Court of Admiralty or Viee-Admiralty, or in the Court of Session in Scotlanal, or in any superior Court of Record in her Majesty's dominions, unless the owner of the slip is adjudged bankrupt or deelared insolvent, or unless the ship is under arrest or is sold by the authority of any such court as aforesand, or unless any justices actinn under the authority of this Aet refer the case to be adjudged by sucli court, or unless neither the owner nor master is or resides within 20 miles of the place where the scaman or apprentiee is dis. charged or put ashore. (Sec. 189.) By 24 Yiet. c. 10 s .10 the High Court of Admiralty is declared to have jurisdiction over any claim for wages, fro vided always that if the plaintiff do not cecoret 50l. he shall not be entitled to costs, unless the judge shall certify that the case was a fit one to be tried in the said court.
No Seaman to sue for Wages abroad, except in Cases of Discharge or of Danger to Lifé.-Xaseaman who is engaged for a voyago or caragement which is to terminate in the United Kingriom. shall be entitled to sue in any court abroad for wages, unless he is discharged with such sanction as hercin required and with the written consent of the master, or prove such ill-usage on the part of the master or by his authority as to warmat reasonable apprehension of danger to the life of such seaman it he were to remain on board; bat if any seaman on his return to the Uaited Kiingdom proves that the master or owner has been guilty of any conduct or default which but for this enactment would have entitled the seaman to sue for wages before the termination of the vorage or engagement, he shall be eatitled to recovir in addition to his wages such compensation not exceeding 20l. as the court hearing the case thinhs reasonable. ( 17 \& 18 Vict. s. 190. )

Master to have same Remedies for Wuprs as Seamen.-Every master of a ship shall, so far as the case permits, have the same rights, liens, and remedies for tie recovery of his wages which by this Act or by any law or custom any semana, not being a master, has for the recovery of his wayes; and if in any proceeding in any Court of Admiraty
e be entither to be paid of o one-fourth part of the nd every master or owner to make payment iu man uthicient cause, shall pay to exceeding the amount of: he days, not exceeding 11 yment is delayed lieyoul aforesaid, and such stan wages. (Sec. 187.)
covering Wages.
Vages in a summary mamer. rentice, or any person duly alf, may sue in a summary justices of the peace acting e at which the service ha oh the seaman or apprentice or at which any person upen de is or resides, or in Noot-- such justices or before the vithin which any such place nount of wages due to such not excceding 501. over and proceeding for the recovery he same becomes payable: by such justices or sherif? final. (Sec. 188.)
cits for Wages in Superior. roceeding for the recovery of of 501 . shali be instituted by semman or apprentice ia any or Vice-Admiralty, or in thi Scotlancl, or in any superior er Majesty's dominions, unship is adjudged bankrupt or or unless the ship is under the authority of any such or unless any justices acting of this Act refer the case to be court, or unless neither the or resides within 20 miles ot scaman or apprentice is disre. (Sec. 189.) By 21 Nict. Court of Admiralty is declared over any claind for wages, prof the plaintiff do not recore cutitled to costs, unless the hat the case was a fit ouctu court.
e for Wages abroad, except in er of Danger to Life.-स N seai for a voyage or engarement late in the United Kiugdom. sue in any court abroad for discharged with such snetion ad with the written consent . e such ill-usage on the part of his authority as to warmat nsion of danger to the life of vere to remain on board; but is return to the United King. he master or owner bas beell luct or default which but for ld have entitled the seamanto the termination of the vorage shall be entitled to recovit ill es such compensation not excourt hearing the case thinks 18 Vict. s. 190.)
same Remedies for Weqes as aster of a ship shall, so far as ave the same rights, liens, and covery of his wages which by cov or custom any scaman, not 3 for the recovery of his wages; ding in any Court of Admiralty
or Vice-Admiralty touching the elam of a master to wages any right or set-off or comuter-elaim is set up, it shail be lawful for such court to cuterinto and adjudicate upon nll questlons and to set the all acrounts then ari*ing or ontstanding and mensetted bewem the parties to the preceeding, nud to direct payment of any balance which is found to be due. (sic. 191.)
Relinf to Seamen's l'amilies out of Poor Rates.
Relief to Seamen's Fumilies to be chargeable on propurtion of their Wages. - Whenever chiring the absence of any semmin on \(n\) voyage, his wife, chithren, and step-children, or any of them, becone or becomes chargeable to any union or parish in the United Kinglom, such muion or parish shall be entitled to be reimbursed out of the waces of such senman carned during such vogage any sums properly expended duriur his nbsence in the maintenance of his said relations, or muy of them, so that such sums do not exceed the following proportions of his said wages, viz. :-
(1) If only one of such rehations is chargeable, \(\frac{1}{2}\) of such wages.
(2) It two or more of such relations are chargeable, 3 of such wares.
But if during the absence of the seaman any sume have been paid by the owner to or on behaif of any such relation as aforesaid, under an allotnent note given by the scamau in his, her, or theis favour, any such chim for reimbursement as aforesaid shall be limited to the excess (if any) of the proportion of the wages hereinbefore mentioned ever the sums so paid. (Sec. 192.)
Clanse 193 directs the mode to bo pursued by the guarlians of the poor sec. to obtain reimbarsement of advances to relations of seamen.

\section*{Wages and Effects of Deceased Scamen.}

Masters to tak charge of or sell Effcets of Deceased Seamen which are on board.-Whenever any seaman or apprentice belonging to or sent home in any British ship, whether a foreign-going ship or a home trate ship, employed on a voyago which is to terminate in the United Kingelom, dies dating such voyage, the master shall take charge of all money, clothes, mind effects which he leaves ea board, and shall, if he think tit, cause all or any of the said clothes and effects to be sold by auction at the mast or other public auction, and shall thereupon sign an entry in the official log book contnining the following particulnrs, viz. :-
(1) A statement of the amount of the money, and a deseription of the eflects so left by the deceased:
(2) In case of a sale, a description of each atticle sold, and the sum reccived for each:
(3) A statement of the sum due to the deecased as wages, and the total amount of the deduction (if any) to be made therefrom:
And shall canse such entry to be attested by a mate and by one of the crew. (Sec. 194.)
Such Fiffects and Wages to be paid cither to Consul or to Shipping Mastcr, with full Accounts.th the eases provided for by the last preceding section, the following rules shall be observed (that is to say):-
(1) If the ship procceds at once to any port in the United Kinglom, without touching on the may at any foreign port, the master shall within 48 hours fifter his arrival deliver any such effects as aforcsaill romaining unsold, and pay any money which he has taken charge of or received from such sale as aforesaid, and also the balance of Hages duc to the deccased, to the shipping master at the port of destination in the United Kingdom :
(2) If the ship touches and remains for 48
lonrs at some forcign port or at some port in her Majesty's dominions aliroad before coming to any port in the L'inted Kingrdom, the master whall report the case to the Iritish consular etherer or otherer of eltstoms there, as the case may in, null whal give to such otherer any information be regnites as to the destination of the ship and probable hength of the vovage; and such otlicer 1uly therempon, if he considers it expedient so to do, require the sald eflects, money, and wages to bo delivered and paid to lim, mud shatl upon such delivery and payment give to the master a receipt, and the master shath within 18 hours after his nrrival at his pert of destination in the United Kiugdon produce the same to the shipping master there ; and wuch consular officer or otlicer of customs shall in such case indorse and certity apon the ngreement with the erew such particulars; with respect to such detivery a.d payment as the Iloard of 'Trade req.ites:
(3) If such otlicer as aforesaid does not require such payment and delivery to be made to him, the master shall take charge of the said eflects, money, and wages, nad shall within dy hours after lis arrival at his port of destination in the United Kingdom deliver and pay the same to the shipping master there:
(4) The master shall in all cases in which any semman or apprentice alies during the progress of a vovage or cugagensent give to the Board of Trate, or to such oflicer or shipping master as aforesaid, an nceount in such form as they respectively require of the effects, money, and wages so to be delivered nud paid; nud no deductions elaimed in such necount shall be allowed unless verified, if there is any otlicinl log book, by such entry therein as hereinbetore required, and also by such other vouchers (if any) as may be reasonably required ty the Board of Trade, or by the officer or shipping master to whom tho account is rendered:
(5) Upon due compliance with such of the provisions of this section as relate to acts to be done at the port of destination in the United Kingdom, the shipping inaster shall grant to the master a certiticate to that effect, and no oflicer of customs shall clear inwarts any forcign-going ship without the production of such certiticate. (Sec. 195.)

Penalties for not taking charge of remitting, or accounting for such Moneys ana Effects.-li' any master fail to take such charge of the money or other effects of a seaman or apprentice dying during a voyage, or to make such entries in respect tbereot; or to procure such nttestatiou to steh entries, or to make such payment or delivery of any money, wages, or effects of any senman or apprentice dying during a voyage, or to give such acconnt in respect thereof as hereinbefore respectively directed, he shall be accountable for the money, wages, and effects of the seamnn or apprentice to the IBoard of Trade, and shall pay and deliver the same accordingly; and such master shall in addition for every such offence incur a penalty not excecding treble the value of the money or effects not aceounted for, or if such value is not ascertained, not execeding 50l.; and if any such money, wages, or effects are not duly paid, delivered, or aceounted for by the master, the owner of the ship shall pay, deliver, and account for the same, and such money and wages and the value of such effects shall be recoverable from him accordingly; and if he fail to account for and pay the same, he slall, in aldition to his liability for the said money and value, incur the same penalty which is hereinbefore mentioned as incurred by the master for the like offence; and
all moncy, wages, and effects of any seaman or upprentice dying during a voyage slull be recoverwhle in the same comrts, and by the same modes of proceedng hy which semmen are hereby embled to recover wages due to them. (Nice, 190i.)
Officers of Customs and t'onsuls to teke cluerge of fiffects laft by Scamen neromi,-li any such acaman or apprentice an last aforesaid die nbroan, at any place either in or out of her Majesty's dominions, leaving any inoney or effects not on hoard his ship, the chicf ofliecer of eustoms or the Ilritish consular ollieer nt of nearest to the place, as the case may be, shall clain and take charge of such money and eflects ; and suels otheor shall, if he think fit, sell all or any of such elfects, or nny "llects of any deceased seammi or apprentice delivered to him unter the provisions before contained; and every such ollieer shall, quarterly, or at such other times as the Board ot' 'Trade directs, remit to her Majesty's paymaster genernl all moneys belonging to or arising from the sale of the effects of, or paid ans the wares of, any doceased seaman or apprentiees, which have come to his hands under the provisions hereiubefore contained, and shall render such accounts in respect thereof as the boatid of Trate reipuires. (sce. 197.)

Wages and Biffects uf Drecased Seamen.-The 197th section of the priucipal Act shall extend to seamen or apprentices who within the 6 months inmediately preceding their death have belonged to a liritish slip; and such section shall be const rued as if there were inserted in the first line thereof after the words 'such scaman or apprentice as last aloresaid,' the words 'or if any seaman or approntice who has within the 6 months immediately preceding his death belonged to a british ship. ( 25 \& 26 Vict. c. \(63 \mathrm{s}\). 20.)

Wagrs and Efficts of Seamen clying at home to lic paid in certain Cuscs to Board of Trate.-Whenever any seaman or apprentice dies in the United Kingdom, and is at the time of his death entitled to claim from the master or owner of any ship in which be has served any unpaid wages or effects, such master or owner shall pay and deliver or account for the same to the shipping naster at the port where the seaman or apprentice was diacharged or was to have been discharged, or to the Board of Trad , or as it directs. ( 17 \& 18 Vict. c. 10.1 s. 198.)

Recovery of Wages \&e. of Seamen lost urith their Ship.-The wages of seamen or apprentices who are lost with the ship to which they belong shall he dealt with as follows (that is to say) :-
(l) The Board of 'Irade may recover the same from the owner of the ship in the same manner in which seamen's wages are reooverable:
(2) In any procedings for the recovery of such wages, if it is shown by some official return produced out of the custody of the registrar-general of seamen or by other evidence that the ship has 12 months or upwards before the institution of the proceeding left a port of departure, and if it is not shown that she has been heard of within 12 months after such departure, she sliall be deemed to have been lost with all hands on board, either immediately after the time she was last heard of or at such later time as the court hearing tbe case may think probable:
(3) The production out of the custody of the recristrar-general of scamen or of the lioard of Trade of any duplicate agreement or list of the erew made out at the time of the last departure of the ship from the United Kingdom, or of a certificate purporting to be a certiticate from a consular or other pubtic officer at any port abroad, stating that certain seamen or apprentices were shipped in the sliip from the said port, shall, in
the absernte of proof to the eontrary, le sumicient proof that the seanien or apprentices thereit namel were on boarl at the time of the loss:
(1) 'The Ihard of 'Irade shatl thal with muct wages in the manner in which they deal with tho wages of other deceased seansen hat atprens.
 4.21, )

If'less than 5wl. Wuges and I'roperty of itcoased Serimen may be paid over without Probate or Administration to P'ersons entitled. - If' the money an! effiects of any deceased senman or apprentice paid, delivered, or remitted to the lhoard of 'Trade orit agents, including the moneys received for nay part of the sald efliets which have been sold either before delivery to the lloard of I'rale or by its direction, do not exceed in value the sum of "fol then, subject to the provisions after containel, an: to all such deductions for expenses incurrel in respect of the seaman or apprentice or of his sait money and effects as the said board thinks proper to allow, the said hoard may, if it think fit, par and reliver the said money and efiects cither to any chnimants who can provo themselves to the satisfaction of the said board cither to be his widow or childrent, or to be entitlerl to the effeet of the deceased muder his will (if any) or und the statutes for the distribation of the effects if Intestates, or muder any other statute, or st common lnw, or to be entitled to procure probate ir take out letters of administration or contirmation: nithough no probate or letters of admiaistration ir confination lave been taken out, and shali t thereby discharged from all further liability respect of the money and etlects so pait ant delivered, or may, if it thinks tit, require probate or letters of administration or condirmation to be taken ont, and thereupon pay and deliver the sait money and effects to the legal personal representatives of the deceased; and all claimants to whom such money or effects are so paid or delvered shail apply the same in clue course of administration, and if such money and effects exceed ia value the sum of 501. , then, sabject to the provisions heriaafter contained anti to deduction for expenses, the Iloard of 'Trade shall pay and deliver the same to the legal personal representatives of the deceasei. ( 17 \& 18 Vict. e. \(104 \mathrm{~s}, 109\).
Mode of Payment under Wills made by Seamer. -In cases where the deceased seaman or apprestice has left a will, the Board of I'rade shall have the following powers; viz.:-
(1) It may in its discretion refuse to pay us deliver any such wages or effects as aforesaid to any person clniming to be cutitled thereto under a will made on board ship, unless such will is in writing, and is signed or acknowledged by the testator in the presence of the master or first er only mate of the ship, and is attested by suct master or mate.
(2) It may in its discretion refuse to pay or deliver any such wages or effects as aforsaid to any person not being related to the testator by blood or marriage who claims to be entitled thereto under a will made elsewhere than on ward ship, unless such will is in writing, and is signed or acknowledged by the testator in the presence two witnesses, one of whom is some shipping master appointed under this Act, or some ninister or officiating minister or curate of tho phace in which the same is made, or, in a place where there are no such persons, some justice of the peace, or some British consular oificer, of some officer of customs, and is attested by such witnesses.

Whenever any claim made under s will is rejected by the Board of Trade on account of the
the contrary, be suflicitut or mppreatices therein the time of the loss ate shull deal with wath in which they deal with macd seamen nod apten1 Act. (25 \& wlivieto.
es and I'roperty of dectuad er uithout Probate or di-entitled.-If the moncy an! seaman or apprentice paid, o the l'oaril of 'I'rade or it oneys received for any part ich havo been vold cither Board of 'l'rale or by its al in value the sum of wivions after contained, and - for expenses incurral or apprentice or of his sail he said bonrd thinks proper d may, if it think lit, par noney and eflects either to In jrove themselves to the ind board either to he bire to be entinled to the effice: r his witl (if any) or matr listribution of the effects (f ny other statute, or st comithed to procure probate it ninistration or conlimation. or letters of admiuistration os en taken out, and shall the rom all further liability in y and elfects so pail ond thinks tit, require probate ration or contirmation to be pou pay and deliver the sail the legal personal representa-- and all claimants to whom ure so paid or delsered shall ac course of administration. eflects exceed in value the ject to the provisions herciodeduction for expenses, the pay and deliver the same to resentatives of the decerseil. s. 199.)
ander Wills made by Seamer. deceased seaman ot apprewe Board of 'Trade shath have ; viz.:-
discretion refuse to pay un res or effecty as aforesaia to to be entitled thereto under I ship, unless sueh will is in ed or acknowledged by the nce of the master or first er iip, and is attested by such
diseretion refuse to pay or es or effects as aforesail to ; related to the testator by who claims to be entitled ande elsewhere than out ward is in writing, and is signed the testator in the presence of of whom is some slipping ler this Aer, or some ninister \(r\) or curate of the place in nade, or, in a place where persuns, some justice of the isll consular officer, or some nd is attested by such wit-
aim made under s will is d of Trade on account of the
aid will not being made nad attented as hercininfore repuired, the wages and effects of the derased shall be dealt with as if no will had beron clake. (Sec. 900.)
Chanse 201 directs the procedure to be fullowed chamse deating with the chaims of the reveditors of Jewasist benmen.
'lause 202 litys down the mote of tealing with anchamed wages of deceased seanoro.
Punishment for Forgiry ond fialse Rapreswititons to obfain IVryes and Propraty of decoused Summen--Every jerson who, for the jurpose of mataning, either for himself or for another, may wouer or effects of any deceased seaman or npprentice, forges, assists in forging, or procures to lne fuggel, or frnudulently alters, assists in framdulontly altering, or procures to be fraulakently attered, any document purporting toshow or assist in showing \(n\) right to such wages or (ffects, and every preson who for the purpose aforosaid makes use of any such forged or alteresi document. as afuresaid, or who for the purpose aforeanid gives or makes or procures to be given or moule, or nssista ingiving or making or procuring to bo given or male, any false evidence or representation, knowing the ssme to be false, shall be punishablo with penal servitude for a term not exceeding 4 years, ur with imprisonment with or without hard labour for any period not excceding a years, or if summarily proscouted and convicted, by imprisonment, with or without hard labour, for nay period not exceeding 6 months. (See. 203.)
Clause 20.1 enacts that the effects of seamen discharged from uavy are to be disposed of by accountant-general of navy,
6. Leaving Seamen abroud [Masten].-The devertion ot their ships by senmen, when abroad, is sn offenco which, as we have seen, has been much and justly complained of. But the seamen may themselves be deserted; that in, they may be left when on shore with leave or fur some aecesary purpose, or they may be foreed on shore by the master, and then left by him. These being afences of a very grave cliaracter, there can be no dablt that they shonld be visited with some suitable punishment. It is, also, highly expedient that such seamen as have the misfortunc to be shiprreckel or left abroad, should be conveyed lack to their mother country by the first opportunity: Aad hence all maritimo codes concur in imposing penalties on masters, when abroad, forcing seamen on shore, or leaving them, without just cause; and they, nlso, make provision for the retum home of such shipwrecked or deserted seamen. The following clauses of the Merchant Slipping Act have these objects in view :-
On Discharge of Seamen abroad, by Sale of Ship or ollierwise, Seamen to be sent home at Expense of Owner. - Whenever any l3ritish ship is transerred or tisposed of at any place ont of her Majesty's domimions, and any seaman or apprentice belonging thereto does not in the presence of some British eonsular officer, or, if there is no such consular officer there, in the presence of one or more respectable British merchants residing at the place, snd not interested in the said ship, signify his consent in writing to eomplete the voyage if continued, and whenever the scrvice of any scaman or apprentice belonging to any British ship terminates at any place out of her Majesty's dominions, the master shall give to each such senman or apprentice a certificate of discharge in the firm sanctioned by the Board of Trade, and in the case of any certificated mate whose certiticate he has retaited shall return auch certificate to him, and shsll nlso, besides paying the wages to which such seaman or apprentice is entitlecl, cither pro-
vide him with auleftate employment on boaril Muse other Iritish ship bomit to tho port ins her Mnjesty's domhions nt which he was origimally shipped, or to such other purt in the United King. dont as is ngred upon by him, or furmish then memus of kenting himback to surel port, or provide: him with a passage home, or cleposit with such econsular whicer or wosh merchant or merchants as aforesaid sith a sum of momey as is by coch oflicer or merchants dermed sullicient to defrny the expenses of hits subsisteneo anit pasage home; and such comsulat blliser or merehants shall indurse upon the nerecument of the ship which the semman or apprentice is leaving the particulars of such parment, provision, or cheposit ; and if the master reluses or neglects to comply with the repuirements of this suetion, such expenses as last aforesaid, if defrayed by such consular ofticer or by any other perwon, whall, maless such seaman or apprentice has been guilty of barratry, be a charge upon tho ship to which such seainan or npprentice belonged and upon the owner for the time being thercof, and may be sovered against such owner, with costs, at the suit of the consular otflecr or nther porson tefraying such expenses, or, in caso the same has been allowed to the eonsular othicer out of the public moneys, ns a debt duo to her Majesty either by ordinary process of law, or in the manner in which seanen are hereby enabled to recover whges; and such expenses, if defrayed by the seamm or npprentice, shall be recoverable ns wages due to him, (Scc, 205.)

Furcing Seamen on Shure a Misdemeanor,-1f the master or any other person belonging to any British ship wrongfully forces on shore and leaves behinel, or otherwise wilfully and wiongfully leaves behind, in any place, on shore or at sea, in or out of her Majesty's dominions, nny seaman or apprentice belonging to such ship before the completion of the voyrge for which such person was engoged or the rethrn of the ship to the United Kinfilom, he shall for each such offenco be deeved guilty of a misdemennor. (Sec, 206.)
Nis Seamen to be diseharged or left abroad without Certifieate of some Functionary.-If the master of any British slip toes any of the following things, viz.:-
(1) Discharges any scaman or apprentice in any phace situate in ayy British possession abrond (except the possession in which he was shipped), without previously obtaining the sanction in writing intorsed on the agreement of some public shipping master or other oflicer cluly nppointed by the local govermment in that behalf, or (in the ahsence of any such functionary) of the chicf othicer of customs resident at or near the place where the discharge takes place:
(2) Discharges any seaman or apprentice at any place out of her Majesty's dominions without previously obtaining tho sanction so indorsed ns aforesaid of the British consular offieer there, or (in his absence) of two respectable merchants resident there:
(3) Leaves behind any seaman or apprentice at any place situnte in nuy lritish possession abroad on any ground whatever, without previously obtnining a certilicate in writing so indorsed as aforesaid from such officer or person as aforesaid, stating the fact and the cause thereof, whether such cause be untitness or inability to proceed to sea, or desertion or disappearance :
(4) Leaves behind any seaman or apprentice nt any place out of her Majesty's dominions, on shore or nt sea, on any ground whatever, without previously obtaining the certificate indorsed in manner and to the effect last aforesaid of the British consular officer there, or (in his absence)
of two reapectable merchnents, if there is any such nt or near the place whero the ship then is: If a shall for each such default be deemed guilty of n misilemeanor; and the said functionaries shall nul the nuid merchants may examine into the gromuls of with proposed discharge or Into the allagation of such untitness, imbility, desertion, or disajpearmee as nforesuld, in a summary way, and may for thant purpuse, if they think flt, nilminister onths, and may elther grant or refise such munction or certiticnte as njpears to them to be just. (Sec. 207.)
I'rouf of such Certificate to be upon the Master.Upon the trial of nny information, inclictment, or other proceding aginst noy person for diseharging or leaving behind any seaman or aprentice, contrary to the provisions of this Aet, it whall be "ןon such person either to produce the sanction ur eartithate hereby required, or to prove that he had obtnined the same previonaly to laving dischurged or left behind such semman or npprentice, or that it was impracticable for him to obtuin such wanetion or ecrtiticnte. (See, 208.)

Vages to be paid when Seamen are left lehind an Ground of Imbility.- Every master of any Dritiwh ship who leaves any seaman or uprentice on sloore nt any place abroad in or out of her Majesty's dominjons, under n certifleate of his untitness or inability to proceed on the voyage, slabll Ileliver \({ }^{\text {a }}\), one of the functionaries nforessid or (in the nbsence of such lunctionaries) to the merchants by whom such certiticate is signed, or, if there be but one respoctable merchant resident at such place, to him , a full nud true account of the wages due to such seaman or npprentice, such necombt when delivered to a consular ollicer to be in duplicate, nud shall pny the smene either in money or by a bill drawn upon the owner; and its the case of every bill so drawn, such functionnry, merchants, or morchant as aforesaid, shall by indorsement certify thereon that the same is drawn for money due on aecount of a semman's wages, and shall also indorse the amount for which such bill is irnwn with such further pnrticulars in respect of the ense as the Board of Trade requires, upon the agreement of the ship; nud every such master as aforesnid who refuses or neglects to deliver a full necount of such wages, nud pay the nmount thereof in money or by bill, as hereinbefore required, shall for every such offence or default be liable, in addition to the pryment of the wares, to a penalty not exceeding 101. ; and every such mnster who delivers a filse account of such wages shall for every such offence, in addition to the payment of the wares, incur a penalty not exceeding 201. (25 \& 26 Vict. c. 63 s. 209.)

Payment of Wages to Seamen abroad under Section 209 of Principal Act. - The payment of seamen's wages required by the 209 th section of the principnl Aet shall, whenever it is practicable so to do, be made in money and aot by bill; and in cases where payment is made by bill drawn by the master, the owner of the ship shall be liable to pay the amount for which the same is drawn to the holder or indorsee thereof; and it shall not be necessary in any proceeding against the owner upon such bill to prove that the master had anthority to draw the same ; and any bill purporting to be Irawn in pursuance of the said section, nud to be indorsed as therein required, if produced out of tho custody of the Board of Trade or of the re-gistrar-general of seamen, or of any superintendent of any mercantile marine office, shall be received in evidence; and any indorsement on any such bill purporting to be minde in pursuance of the said section, and to be signed by one of the functionaries thercin mentioned, shall also be re-
celved in evidence, and whall be deemed to be prima facie evidence of the facts stated in sueh indorsemerit.

Clause 210 of 17 \& 18 Vict. c. 101 directs that such wages nre to be treated as money due to the semucin, nulyject to payment of expeuse of thit sutsintence and passage home.

Distressed Scramen found Albroad may be reliered and sent Ilome ot the I'ublic Dirpense.-The gio vernors, consular oflicers, nud other oflicers of her Majesty in foreign conntries slall, and in pares whore there are no such govemors or officers ans two revident Iritish merchants may, provide for the subsistence of all senmen or apprentices, buing sulyjects of her Mnjesty, who linve been shin wrecked, diseharged, or left belind at nay plie abroad, whether from any ship emphered in the merchant surrice or froni nay of her Mijesty ship, or who lave been engrged by any person aeting either as principal or ngent to serve in any ship belonging to any lircign power or to the subject of nay foreign wate, and who are in distres in any place nbrome, until sueh time as they are able to provide them with a passage home, and fir thant purpose shall cause such scamen or appeatices to be put on board some ship belonging th any mulyect of her Majesty bound to may port of the Sinited Kingdom, or to the liritish possession to which they belong (as the ease requires), whin is in want of men to make up its conylement, and in default of any such ship shall provide them with n passage home ns soon as possible in samo ship belonging to n suhject of her Majesty lumal ns aforesnid, and shall indorse on the agreement of any ship on board of which any seaman or apprentice is so taken or sent the name of every person so sent on board thereof, with swel particulars concerning the case as the loand of Trate requires, and shall be allowed for the subsistence of any such scamnn or apprentice such sum diem as the Board of Trade from time to time appoints; and the amount due in respect of such nllowance shall be paid out of any moneys applienble to the reliel of distressed British semen, nnd granted by Parliament for the purpose, on the production of the bill of the disbursements, with the proper vouchers. ( 17 \& 18 Vict. a. \(10 t\) s. 211.) The 22 nd section of 18 \& 19 Viet. e. 91 provides for the return of distressed Lascars to Inclia.

Masters of British Ships compelled to toke them. -The master of every Jritish ship so bound as aforesaid shall receive and afford n passage and subsistence to all seamen or apprentices whem he is required to tnke on board his ship under the provisions before contained, not exceeding one for every 00 tons burden, and shall during the passage provide every such seaman or apprentice with a proper berth or sleeping-place effectually protected against sea nad weather; and on the production of a certiticnte signed by any govenor. consular officer, or merchants by whose directions any such senman or apprentice was receired on board, sjecifying the number and names of sudh seamen or apprentices, and the time when each of them respectively was received on board, and on a declaration made by such person before a justice, nnd verified by the recistrar-general of scanen, stating the number of days during which each seaman or apprentice received subsistenee aad was provided fur as aforesaid on boird his ship, and stating also the number of men and boys forming the complement of his crew, and the aumber of seamen and apprentices employed on board his ship during such time, and every variation (if any) of such number, such person shall be entitled to be paid out of the said moneys applicable to the relief
d whall he deemed to be the facts stated in such

8 Vict. c. 101 directs that eated as money due to thir ment of expense of this chome.
sund sibroad may be reliered Prablie Airpense,-Tho (tio rs , and other oflicers of her intries shall, and in phaces di governors or officers any nerchants may, provide fir eamen or apprentices, heing sty, who have been shikor left behind at any pliee any ship employed in the froni any of lier Majesty een engaged by any person pal or agent to serve in any foreign power or to the silate, and who uro in distress until sum time as they arp with a passage lome, and fic use such seamen or aprenpoard some ship bedomging th lajesty bound to any port of , or to the liritish posesesima (as the case requites), which make up its complement, and ch ship shall provide them as soon as possible in some sulyject of her Majesty lyund all indorse on the agreement of which any seaman or ap or sent the name of every ard thereof, with such partie ease as the lonard of Trate e allowed for the subsistence or apprentice such sum fur (Trade from time to time apo ount doe in respect of such oaid ont of any moneys appliof distressed Ihritish seamen, rlimment for the purpose, on he bill of the disbursements, chers, ( 17 \& 18 Vict. c. \(10 t\) section of 18 \& 19 Yict, c. 91 sectrn of distressed Lascars to
-Ships compelled to take then. cery l3ritish ship so boud as ive and afford a passage and amen or apprentices whom he on board his ship under the ontained, not exceeding one for en, and shall during the pas-- such scaman or apprentice or slecping-place effectually en and weather; and on the iticate signed by any govemor, nerchants by whose directims or apprentice was receired on he mumber and names of such ces, and the time when each of vas received on board, and on a y such person before a justice, registrar-general of sennen, \(r\) of days during which cach ce received subsistence and was oresaid on board his ship, and mber of men and boys forming his crew, and the muber of ntices employed on board his me, and every variation (if any ch person slall be entitled to moneys applicable to the relief
a distressel Inritish seamen, in respect of the subfistence and pasage of every seaman or npprentice 4i) onveved, subsisted, and proviled for by him axceding the number (if nuy) wanted to make up the cumplement of his crew, such sum per diem as the lharil of Trade from time to time anpoints: ant if any person laviag clargo of any such ship fails or refuses to recelve on lmard his ship, or to , ife a passage home, or zubsistence to, or to proride for any such seaman or apprentice as aforedid contrary to the provisions of this Act, he dhall incur a penalty not exceeding \(100 l\). for ench - famaa or apprentice with respect to whom he makea such default or refusal. ( 17 \& 18 Vict. c. \(101 \pm 212\).

Relief of Distressed Seamen to be regulated by Bastel of Trude.-Whereas under the Dl Ith anid :thth sections of the prlacipal Aet, and the lith section of 'Tho Merchant shipping Aet Amentment det \(180^{\circ}\),' provision is made for relieving and sealing home seamen found in distross abront ; and whereas doubts are entertalned whether puwer exists under the said sections of making rovilations and imposing conditions which are necessary for the prevention of desertion and misconduct and tho undue expenditure of publie money: lie it enacted, and it is herehy declared, that the claims of seamen to bo relieved or selut hane in pursuance of the sail sections or any of then shall be subject to such rerulations and dependent on such conditions as the Hoard of 'Trade may from time to timo make or impose; ann! no seman shall have any right to demand to the relievel or sent home except in the cases and to the extent providel for by such regulations and conditions.

\section*{Volunteering into the Nevy.}

Seamen allowed to leave their Ships to enter the lary.-Any scaman may leave his ship for the parpose of forthwith entering into the nava serrice of her Majesty, and such leaving his ship shall not be deemed a desertion therefrom, and shall not reader him liable to any punishment or foreture whatever; and all stipulations introduced into any agreement whereby any scaman is dectared to incur any forfeiture or be exposed to any loss in easo he enters into her Majesty's naval serice shall be void, and every master or owner who cauzes any such stipulation to be so introduced shall incur a penalty not exceediug 20l. (Sec. 214.)
Chuse 215 directs that the clothes of seamen entering the navy are to be delivered at once, and that wages are to be given to the Queen's whect on account of the seamen.
Chases \(217,218,219\), and 220 relate to the proceediags to be taken by owners who claim extha expenses for having substitutes to replace the sommen who have entered the navy.
It may be asked, Is the power granted by these clsuses any longer necessary? And is it not wely to lead to great nbuses? Numerous instances might be mentioned where its exercise atitely destroyed that discipline so essential to the good management of merchant ships, and placed the ship, herself in peril by the reduction of the crew. No provision is made for the place Where the ship may be at the time, or the danger involved by being under-manned, or the diffientty -nay, it might be the impossibility-of obtaining other seamen to fill the places of those who had, unler the provisions of this Act, violated the tems of their agreement, anil entered her Majesty's service.
We are aware that the Admiralty instructions are to the effect that the captains of our ships of
war are to be cantious how they exereise the power of withdrawing seamen from merchant vessels at illstant stations; but we huse mo hesitation in stather that, however much that power may havo heen refolisito in times past, the inceresity for its exerciso no longer exists, and if mit entircly abolished, it shond le condined to perionts of war. Nosuch power ean be necesnary for tho welfare of the state during a time of peace.
1. Prarisions, Menlth, and A'commonlation on Board.-These important objects are now provided tor as follows, viz,:

Survey of "'rocisions and IVoter on Complaint medr.-Any threo or more of the rerow of any british whip may complain to any ollene in command of any of her Majesty's shitis, ur any lbritish romsular oflicer, or any shipping master, or ans chief offieer of costoma, that the frowivions of water for the use of the crew are at any time of bad quality, mutit for use, or deticient in fuantity : and such oflicer may thereupon examine the wain? provisions or water, or cause them to be examined; and if on examination surh provining or water are fomm to be of bad quality and untit for use, or to bo deficient in quantity, the persen making such examination shall aignify the same in writion' to the master of the ship: and if such minster does not thereupon provide other proper provisions or water in lien of any so signifed to be ot a bad quality and unft for ase, of lues not procure the requisite quantity of any su signilied to be insullicient in quantity, or uses any provisions or water which have been so signitiod as aforesaid to be of a bad quality and untit for use, ho shall in every such case incur a penalty not excectiug 201 ; nud ubon every such examination as aforesaid the ofticers making or threcting the same shall cuter a statement of the result of the examinution in tho othicinl log, and shall send a report thereof to the Hoard of lrade, and such report, if produced out of the enstody of such lloard or its othicers, sliall be received in evidence in any legal proceediag. (Sec, 221.)
Forfeiture for Frivolons Complaint.-If the offieer to whom any such complaint as last aforesaid is made certitics in such statement as aforesaid that thero was no reasonable ground for such complaint, each of tho parties so complaining shall be liable to forfeit to the owner out of his wages a sum not exceeding one wecks wages. (Sec. 22y.)

Allouance for short or bad Provisions.-In the following cases, viz.:-
(1) If during a voyage the allowance of any of the provisions which any seaman has by his agreement stipulated for is reduced (except in accordance with any regulations fur reduction by way of punishment coutained in the agreement, and also except for any time during which such seaman wilfully and without suflicient cause refuses or neglects to perform his cluty, or is lawfully under continement for misconduct, either on board or on shore) :
(2) If it is shown that any of sucl provisions are or have during the voyage been bad in quality and untit for use:
The seaman shall receive by way of compensation for such reduction or bad quality, according to the time of its continuance, the following sums, to be paid to him in adelition to and to be recoverable as wages ; that is to say :-
(1) It his allowance is reduced by any quantity not exceeding ono-third of the quantity specified in the agreement, a sum not exceeding 4el. per day.
(2) If his allowance is reduced by more than one-thiru of such quantity, \(8 d\), per day.

\section*{SLAMEN}
(i) In requect of bueh bad onality as aforesais, a un board such mhip a mupply of such medieinewand mun not exceeding Is. per day.
lint if it is ahown to the natiafnetion of the court before which the case in triend, that any provisums the nllowan of which has been reduced cond net be procured ur muplified in proper quantities, and that proper and equivalent sibastitutes were aupplied in licu thercot, 11 court shall take whels circumatnaces into consideration, and shatt modify or refuse compenation as the justice of the case may require. (sec, wela)

Midicines, lime or lipmen fuice, Sugar, and Vinegur, to be proritled and kipt on borerd certain Whips. The following rales ahall la uberved with prespet to medicines, medieal stores, mul antiNecorlouthes ; that is to may:-
(1) 'Ithe Itonril of Trade whatl from timo to time issue nod eanse to be publishoul a reale of motidines mat mulient wores sultable to neerilents mul dincases arising on hea oyagen, (Sce Table below.)
(2) The owner of every ship mavigating between the United Kingiom nud thay place ont of the same shall frovide and couse to be consantly kept
medieal ptoren in aceortance with the sail meali, ( 17 \& 18 Vilet, e, 104 a. 2\%4.)

In lien of the regnlations (3 and it in the 18 d 1 s Vlet. c. 104 s . 2ed, as to the isabe of temon juimer and other andlewcorbutips, the Merchant shlpping
 tnin rules whidel will be fomme at length under Juter of licmoss.
The Merchant shipping Act of tstio protiles alsu firs the neaman's expenses in case of him ill. nems through the neglect of owner or minater, and declares the forfelture of his wages when its. coprable fur duty through illnesa cmamel by has own default. It also provites tir peoper acemo moslation fir seamen on boaril ahip, nail lays fown rales fur the medient inspection of semmer. Cionsequent onf this Act, the Board of Traln issum Instructions In Nuv. 1867, for obtaining, totine and preserving lime or lemon juice for use in tho. merchant serviee.

Musters to kerp Weiuhts and Measures on buard. - Werery master shall kee; un tward propes weights and mensures for the purpose of detip.
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mining the quantities of the several provisions and articles served out, and shall allow the same to be used at the time of serving out such provisions and articles in the presence of \(n\) witness whenever any dispute arises about such quantities, and in detault whall for every offence incur a penalty not excecding 101. (Sec. 225.)
llourd of Trade and Local Boards may appoint Inspectors of Merficines.-Any leenl marine board
may, upon being required by the Board of Trale. appoint and remove a medical inspector of ships for the port, and may fix his remuneration, such remuncration to be suliject to the control of the Board of 'Irade; and at ports where there are m: local marine boards the Board of Trode may appoint and remove such inspectors, and tix theif remuneration: and it shall be the duty of sudin remuneration; and it shall be the duty of sud
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ly of nuch methomes mat mee with the sail suale \(2 \cdot 1\).
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guired by the Deard of Trade. e a medical inspector of ship, may fix his remuneratima, suld c sutiject to the control of the ind at ports where there afe no rds the Beard of Trade may ee such inspectors, and tix then d it shall be the duly of sach spect the mediciacs, modical
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Prnulty for selliag \$c. Mediciaes \&c. of but quality.-Any person who manufactures, sells, or heeps or offers for sale, any melicines or medical shes, as aforesaid, of bad quality, shall for cach such offuce incur a penalty not exceeding 201. (se. 5 of \(30 \& 31\) Vict, e. 124.)
Expense of Medical Attendance §r. how to be defrayell.-The following rules shall be observed with respect to expeuses attendont ou illness and death, viz: :-
(t) If the master or any seaman or apprentice receives aay hurt or injury in the service of the ship to which he belengs, the expense of providing the recessafy surgical and medical advice, with atiendance and medicines, and of his subsistence matil he is cured, or dies, or is brought back to rome port in the United Kingrdom, if shipped in the Crited Kingdom, or it shipped in some British possession to sume port in such possession, and of his conveyance to such port, and the exptase (if any) of his burial, shall be detrayed by the owner of such ship, without any deduction on that acconat from the wages of such master, saunau, or apprentice.
(2) If the master or any seaman or apprentice is on account of auy illness temporarily removed from his ship for the purpose of preventing infection, or otherwise for the convenience of the ship, and subsequently returns to his daty, the expense of such removal, and of providing the necessary advice with attendance and medicines and of his subsistence whilst
away from the shits, slall te defrayed fit hise maniuer.
(i) 'The expense of all medicines and surgical or medieal advice and attemdance given to any manter, seamm, or apprenthe whilst on board his whip slall ter defrayed in like manner.
(1) In all whicr cases any remonable expenses duly ineurred by the owner fur any seaman la rexpect of illues, and aloo any rasonable expenses dulf incurred by the owner in reweet of the burial of any neannul or apprenthe whon thes whilut onserviee, whall. if iluly proved, he deducted from the wages of such seaman or apprentice. ( 17818 Vict, e. 1048, yex. See alsodu \& 31 Vict. c. \(124 \mathrm{sm}, 7,3\).

Axprenses, if puaid by Comsul, to lie recoserable firom Ou'ner.- If apy soch expenses in respect of the dlhese, fujury, or hurt of min scamant or apprentice, as are to be borne by the owner, are paid by any consular ollder or other premon on behall of her Majenty, or il any other expenses in respect of the illuess, injury, or hart of ans: seaman or apprentice whose wages ate not necounted for to mieh oflecer under the provicions before contalued are so paid, such expunses whall be repaid to such otileer or other person by the master of the shif, and if tot so repaili, the amonint thereot, with costs, shall be a charge upon the shlip, and bo recoverable from the saill master or from the owner of the ship, for the time being as a debt due to her Majesty, and shall be recovernble either hy ordinary process of law or in the manner lin which seamen are herehs enabled to recover wages; and in any proceedinis for the recovery thereof the production of a certilicate of the facts, signed by such ofleer or other person, together with such vonchers (if any) as the conse repuires, shall be sullicient proof the. the said expenses were duly paid by such consular oflicer or other person as atoresaid. ( 178 18 Vict. c. 104 s. \(2: 40\).

Certain Ships to carry Medival Prartitioners.Every forcign-going ship having 100 persons or upwards on bourd shall carry on board as part of her complement some person duly anthorised by law to practise as physicina, surgeon, or apothecary; mind in defmite the owner shall for every voyage of any such ship made without such mediend practitioner incur a pesalty not exceedlug 1001,: provided that nothing herein contained shall in anywise alfect my provision contained in the 'I'assenirers Act iffes,' conceming the carringe of medical practitioners by the class of ships therein named passenger ships, nor shall any such passenger ship, if not thereby required to earry a medical practitioner, be hereby recuired to do so. (Sec. 230.)

Place appropriated to Scamen to have a certain Spuce for each \(\boldsymbol{M}\) un \(\&\) ec,The following rules slall be observed with respect to accommodation on board British ships, viz.:-
(1) Every place in any ship occeupied by seamen or apprentices, and appropriated to their use, shall have for every such scaman or apprentice, a space of not less than 72 cubic feet, and of not less than 12 superticinl teet, measured on the deek or tloor of such place.
(2) Every such place shall be such as to make the space aturesaid available for the proper aceommodation of the men who are to oceupy it, shall be securely constructed, properly lighted and ventilated, properly protected from weather and sen, and, as fur as practicable, properly shut off and protected from efluvium which may be caused by cargo or bilge water.
(3) No such place as aforesaid shall be deemed to be such as to nuthorise a deduction from 4 K
registered tonuage, under tite provisions hereinatter contained, unless there is or are in tho ship one or more properly constructed privy or privies for the use of the crew; such privy or privies to be of such number and of such construction ns may be npproved by tho surveyor hereinufter mentioned.
(1) Every such place shall, whenover the ship is registered or re-registered, be inspeeted by one of the surveyors nppointed by the lhoard of Trate under Part IV. of the principal Act, who shall, it satisfied that the same is in all respects such as is rerpuired by this Act, give to the collector of customs a certiflente to that effect, and therenjon such annee shail be detucted from the registered tonnage.
(5) No such deduction from tonnage as aforesaid shall be nuthorised unless there is permanently ent in a beam, and cut in or painted on or over the doorway or hatchway of every sueh place, the number o: men which it is constructed to accommodate, with the words, 'certitied to accommodnte seamen.'
(6) Every suelı place shall be kepit free from stures or gools of any kind, not being the persomal property of tho crew in use during the voyage.
(7) Upon any complaint concerning any sucti place as aforesaid, one of the survegors ar. pointed by the Board of Trate may inspect such place, and if he finds that any of the provisions of this Act with respect to the same are not complied with he shall report the same to the Collector of Customs at the port where tho ship is registered, and thercupon the registered tomnage shall be altered, and the deduction aforesaid in respect of space disallowed, unless and until it shall be certitied by such sucveyor, or. hy some other surveyor appointed by the Board of 'l'rade, that the provisions of the Act in respect of such place are fully compliect with.
(8) If any such place in any ship is not kept free from goods and stores as aforesaid, the master shall be deemed to be in fault, and shall for every such failure to comply with the provisions of this section forfeit and pay to eneh seaman lodged in such plane the sum of one shilling a day for each day after complaint mado to him by any iwo or more of such seamen during which any gooths or stores, not being the personal property of the crew, are stored or kept therein.
(9) If in any other respect the provisions of this section are not observed with respect to any such place in any ship the owner shall be deemed to be in thult, and shall for every failure to comply with the provisions of this section incur a penalty not exceeding 201. (30 \& 31 Vict. c. 124 s. 9.)

\section*{Power of making Complaint.}

Seamen to be allowed to go ashore to make Complaint to a Justice.-If any seaman or apprentice whilst on board any ship states to the master that he desires to make complaint to a justice of the peace, or consular officer, or naval othicer in command of any of her Majesty's ships, against the master or aay of the crew, the said master shall, if the ship is then at a place where thero is a justice or any such officer as aforesaid, so soon as the service of the ship will permit, and if the ship is not then at such a place so soon after her first arrival at such a place as the service of the ship will permit, allow such seaman or apprentice to go ashore or send him ashore in proper custody, so that he may be enabled to make such complaint, and shall, in default, incur a penalty not exceeding 10l. (17 \& 18 Vict. c. 104 3. 232.)

Protection of Scamen from Imposition.
Sule of atal Charge upon Wrages to be inralid.No wages the \(\cdot\) acerulug to nny seaman or apprentice shall bo subject to attachment or arrevtment from uny court; and every payment of wags to a seanam or npprentice shall be valid ialh", uotwithstanding an" previons sale or assigument of such wages, or of any uttachment, incumbranee. or arrestment thereon; and no assigument or sal; of such vages or of salvage mado prior to tipe aceruing thereof shall bind the party making the same; and no power of nttorney ur authority fir the reeelpt of any such wages or salvage shatl be irrevocable. (Sec. 233.)
No Debt excceding 5s. recoverable till Emb if Voyuge,-No debt exceeding in amount bs, in. co:-a.? by any seaman after he has engaged toserve shall be recoverable untit the set vice agreel for is coneluded. ( Sec .23 F .)
Penalty for Overcharges by Lodging-house Kerp. ers, - ll any parson demands or receives from any seaman or apprentice to the sea service, paymeit iat respect of his board or lodging in the house of such person for a longer period than such scaman or apprentice has aetunlly resided or buarled thercin, he shall incur a menalty not exceeding dim. (Sec. \({ }^{235}\).)

Penalty for detaining Scamen's Effects.-Ifany person roceives or takes into his possession or under his eontrol, any moncys, documents, or effects any seaman or npprentice to the sea service, and loes not return the same or pay the value therenf, when required by such seaman or apprentice, sulject to such deduction as mas be justly due to him from such scaman or apprentice in respect of bonrd or lodging, or otherwise, or alicouds therewith, he shall ineur a penalty not exceeding 101; and uny two justices may, besides inflicting surh penalty, by summary order, direct the amourt of value of such moneys, documents, or ellects subject to such deduction as afores:id, to be forthwith paid to such seaman or npprentice. (Sec. 236.)

Persons not to go on beard before the final dr rival of Ships withont Permission.-Lvery person who, net being in her Majesty's service, shll not being duly anthorised by law for the purpose. goes on board any ship about to arrive at the place of her destination, before her actual arrival in doek or at the place of her diselarge, without the permission of the master, shall for every such offence incur a penalty not exceeding 204; and the master or person in charge of such ship may take any such person so going on board as aforesaid into ectstody, and deliver him up forthwith to any constable or peace officer, to be by him taken before a justice or justices or the sheriff of the county in Scotland, and to be dealt with according to tie provisions of this Act. (Sec. 23i.)
Penalty for Solicitations by Lodging-house Kepp-ers.-If, within 24 hours aiter the arrival of any ship at any port in the United Kinglom, any person then being on board such ship solicits auy scaman to become a lodger at the house of auy person letting lodgings for hire, or takes out of such ship any effects of any seaman except under his personnl direction and with the permission of the master, he shall for every such otfence incur a penalty not exceeding 51 . (Sec. 238.)
For tho next four clauses, sec Master.
7. Crimes Committed on the High Seas and Abroad.-Clause 267 directis that all offeaces committed by seamen at sea or in foreign ports shall be within Admiralty jurisdiction; and by the subsequent Acts already cited these crimes are now punishable in the colonies and India.
Convcyance of Offenders and Witnesses to United Kingdom \&ic.-The followiag rules shall
amen from Imposition. npon Wages to be invalid.suling to any seaman or apject to at tachment, or nerestand every payment of wage entice shall be valid in law, previous sale or assignment ny attaclment, ineumbranee, n and no assigument or sil - salrage made prior to the Il bind the party making the - of attorney or authority fin ach wages or salvage shall le 33.)
\(g\) 5s. recoverable till Find of excceding in amomet \(j\) s, ill 11 after he has engiged to serve until the selvice agreel fir is -1.)
haryes by Lodging-house Kefpdemands or receives from any se to the sca service, payment ard or joulging in the bubse of ager periol thinn such seamaa aetumlly resided or buanled ur a penalty not exceeding low.
ning Seamen's Fiffects.-If nat kes into his possession ar under neys, docunients, or effects ? rentice to the sea serviee, and same or pay the value thereuf, uch seaman or apprentice, sabtion as may be justly due to nan or apprentice in respect of otherwise, or abiconds therera penalty not exceding 101 ; es may, besides inflieting surd ry order, direct the amonit of eys, documents, or effects, subion as afores:id, to be forthwich n or apprentice. (Sec. 230.) on bourd before the final Arnut Permission.-Every person her Majesty's service, fothl ant rised by law for the purpose. ship about to arrive at the plaee - before her aetual arrival in e of her diseliarge, without the master, shall for every such halty not exceeding 201 ; and \(n\) in charge of such ship may on so going on board as afore and deliver lim up forthwith to ace oflicer, to be by him taken justices or the sheriff of the justices or the sleciff of the
and to be dealt with accordiat and to be dealt with accordint this Act. (Sec. 23i.) tations by Lodging house Kepphours after the arrival of any the United Kingelom, any perboard such ship solicits any a lodger at the house of any fings fer hire, or takes out of ts of any scaman exeept under on and with the permission of for cvery such otfence incur a ing 51. (Sec. 38.) clauses, sec Master. itted on the High Seas and 67 direcis that all offences en at sea or in foreign ports niralty jurisdiction; snd by the ready cited these crimes sre he colonies and India. Offenders and Witnesses to
be observed with respect to offences committed on the high seas or abroad, viz. :-
(1) Whenover any complaint is made to any British consular oflicer of any offence on the birh seas having been committed by any master, seaman, or apprentice ionlonging to any Jritishi ship, such consular officer may enquire into the case upon oath, and may, if the case so requitres, take eny steps in his power for the purpose of dacing the offender under necessary restraint, and of sending him as soon as practicable in afe custody to the United Kingdom, or to any british possession in whlel there is a court capable of taking eognisance of the olicatec, in any ship teloaging to her Majesty, or to any of her subjects, to be there proceded against according to law.
(2) For the purpose aforesaid such consular oficer may order the master of any ship belonging to any subject of her Majesty, bound to the Uuited Kinglem, or to such British prossession is aforesaid, to receive and afford a passage and subsistence during the voyage to any suci offender as aforesaid, and to the witnesses, so that sach master be not required to receive more than onc offena: for every 100 tons of his ship's registered totiage, or more than one witness for every \(b 0\) tons of such tonnage; and such consular oflicer shall indorse upen the agreement of the shij such particulars with respect to any offenders or witnesses sent in her as the Board of I'rade requires.
(3) Every such master shall, on his ship's anival in the United Kingdom, or in such British possession as aforcsaid, give every ottender so committed to his charge into the cnstody of some police officer or censtable, who shall take the offender before a justice of the peace ot ot her magistrate by law empowered to deal with the matter, and such justice or magistrate shall den with the matter as in eases of offences committed upon the high scas.
And any such master as aforesaid who, when required by any British consular oflicer to receive ahi offord a passage and subsistence to any offeader or witness, does not receive him and afford such passage and subsistence to him, or who does not deliver any offeniler committed to his charge into the custody of some police otficer of constable as hereinbefore directed, fall for each such offence incur a penalty not excecding ion and the expense of imprisoning nny such offender and of conveying him and the witnesses to the Uuited Kingdom or to such British possession as aforesaid in any manner other than in the ship to which they respectively bclong, sliall be part of the costs of the prosceution, or be paid as costs incurred on account of seafaring subjects of her Majesty left in distress in foreign parts. (Sec. 268.)

Enquiry into Cause of Death on board.-Whenever any case of death happens on board any freign-going ship, the shipping master ahall on the amival of such ship at the port where the crew is discharged enquire into the cause of such death, and shall make on the list of the erew delivered to him as herein required an indorsement to the effect cither that the statement of the cause of death therein centained is in his opinion trin ir otherwise, as the result of the enquiry requres; and every such shipping master shall for the purpose of such enquiry have the power bereby given to inspectors appointed by the Board of Trade under the first part of this Act; and if in the course of such enquiry it appears to him that any such death as aforesaid has been cunsed by violince or other improper means, he
shall either report the matte: to the Board of Trade, or, if the emergency of the case so requires, slall take immediate steps for bringing the offender or offenders to justice. (Sce. 269.)

Depositions to be received in Evidenee uhen Witness cannot be' produced.-Whenever in the cotrrse of any legal procecdings instituted in any part of lier Inajesty's dominions before any judiro or magistrate, or before any person nuthorised by low or by consent of parties to receive ovidence, the testimeny of any witness is required in relation to the subject-matter of sucli procecding, then upon due proof, if such procecting is instituted in tha United Kingrlom, that such witness cannot be found in that kinglom, or if in any IBritish possession, that lee canaot be found in the snme possession, any deposition that such witnese may have previonsly mulue on oath in relation to the same subject-n at er before any justice or magistrate in her Majest y's dominions, or any lititisl consular offieer clse vhere, shall be admissible in evidence, sulyject to the following restrictions, viz.:-
(1) If such deposition was mate in the United Kinglom, it shall not be ardmissible in any procceding institnted in the United Kinguom.
(2) If such a deposition was made in any British possession, it shall not be admissible in any proceeding instituted in the same British possession.
(3) It the procecding is criminal, it shall not le admissible unless it was made in the presence of the person aceused.

Every deposition so made as aforesaid shall be authenticated by the signature of the judge, magistrate, or consular otheer, before whon the same is made; and such judge, magistrate, or consnlar oflicer shall, when the same is taken in a criminal matter, certify if the fact is so, and that the acensed was present at the taking tlereof, but it shall not be necessary in any case to prove the signature or oflicial character of the person appearing to have signed any such deposition ; and in any criminal proceeding such certiticate as aforesaid shall, unless the contrary is proved, bo sufficient e.idence of the aecused having been present in mamer thereby certitied; but nothing hercin contnined slall affect any case in whiel lepositions taken in any proceedinga nre ronckered admissible in evidence by any Act of l'arliament, or by any act or ordinance of the legrislature of any colony, so far as regards such colony, or to interfere with the power of any colonial legislature to make such depositions admissible in evidence, or to interfere with the practice of any court in which depositions not anthenticated as hercinbefore mentioned are admissible, (Sec. 270.)
8. Registration of and Returns respecting Seamen, [Log, OFFicial.]-E'stublishment of Register Office.-There shall be in the port of London an othice, to be called the 'General Register and Record Office of Seamen,' and the Board of 'Trade shall have control over the same, and may appoint and from time to time remove a registrar-general, and such assistants, clerks, and servants as may be nccessary, and may from time to time, with the consent of the 'Treasury, regulate their salaries and allowances; and such salaries and allowances, and all other necessary expenses, shall be paid by the Treasury out of any moneys, to be granted by Parlianent for that purpose; and the Board of Trade may direct the business of the register office at any of the outports to be transacted at the slupping office, or, with the consent of the Commissioners ot Customs, at the custom-house of the port, and may nppoint the shipping master, or, with such consent as aforesaid, some officer of customs, to conduct the same; and such business shall thereupon be

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conducted accordingly, but shall in all cases be subject to the immedinte centrol of the Board of Trate. (Sec. 271.)

Register of Seamen to be kept.-The said regis-trar-general of seamen shall, by means of the agreements, lists, and other papers to be transmitted to hinn as herein directed, or by such other means as are in his power, keep a register of all persons who serve in ships subject to the provisions of this Act. (Sec, 272.)

Lists to be made for all Ships, containing certain Particulars.-Every master of every foreign-going ship of which the crew is disehargul in the United Kingdom, in whatever part of her Majesty's dominions the same is registered, and of every home trade ship, shall make out and sign a list in a form sanctioned by the Board of Trade, containing the following particulars, viz:-
(1) The number and date of the ship's register and her registered tomnage.
(2) The length and general nature of the voyage or employment.
(3) The Christian names, surna:nes, ages, and places of birth of all the crev, including the master and apprenticer ; their qualitics on board, their last ships or other employments, and the dates and places of their joining the ship.
(4) The names of any members of the crew who have died or otherwise ceased to belong to the ship, with the times, places, causes, and circumstances thereof.
(j) The names of any members of the crew who have been maimed or hurt, with the times, plaees, causes and circumstances thereof.
(6) The whges due to any of the crew who have died, at the times of their respective deatlos.
(7) The clothes and other effects belonging to any of the crew who lave died, with a statement of the manner in which they have been dealt with, and the money for which any of them have been sold.
(8) The name, age, and sex of every person, not being one of the crew, who dies on board, with the tate and the cause thereof.
(9) Every birth which happens on board, with the date thercof, with the sex of the infant, and the names of the parents.
(10) Every marriage which takes place on board, with the date thercof, and the names and ages of the partics.
Lists for forcign-going Ships to be delivered to Shipping Master.-In the case of foreign-roing ships, the master shall, within 48 hours after the ship's arrival at her tinal port of destination in the United Kingdons, or upon the diseharge of the crew, whichever tirst happens, detiver to the shipping master before whom the crew is diseharged such list as is herein required, and if he fail so to do shall for every default incur a penalty not exreeding \(5 l\); and such shipping master shall thercupon give to the master a certitieate of such delivery; and no officer of customs shalt clear inwards any foreign-going ship, without the production of such certificate, and any such officer may detain any such ship until the sanc is produced. (Sec. 274.)
Lists to le delivered by home trade Ships half: yearly.-The master cr owner of every home trade ship shall, within 21 days after June 30 and December 31, in every year, transmit or deliver to some shipping master in the United Kinglom, such list as liereinbefore required for the preceding lialf-year, and shall in default incur a penaliy not excceding 61 ; and such slipping master shall give to the master or owner a certificate of such transmission or delivery; and no officer of customs shall grant a clearance or
transire for any home trade ship without the pros ductlon of suef certificate, and any such oflicer may detain any such ship until the same is producel. (Sec. 275.)

Lists to be sent ITome in case of Transfer of Slip, and in case of Loss.-If any ship conse, by reason of transfer of ownership or change of employment, to fall within the definition of a fureighe going or of a home trade slip, the master or owne: thereof shall, if such ship is then in the Crited Kinglom, within 1 month, and if she is elsewhere, within 6 months, deliver or transmit to the shipping master at the port to which the ship has be. longed such list as before mentioned. duly made out to the time at which she ceased to be afureigngoing or home trade ship, and in defualt shall for each offence incur a penalty not cxeecding lof; and if any ship is lost or abandonedi, tho maveres owner thereof shall, if practicable, and ats soun as possible, deliver or transmit to the shiphin, master at the port to whieh the ship belonged such list as hercinbefore mentioned, duly made out to the time of sucl loss or abandonment, and in default shall for cach offence incur a penalty not execedin: 101. (Sec. 276.)

Shipping Masters and other Officers to transmit Documeats to Registrar.-All shipping masters and ollicers of curtums slaall take charge of all Hocuments whieh are delivered or transmitted to or retained by them in pursuance of this Act, and shall keep them for sueli time (ifany) as may be necessary for the purpose of settling any business arising at the place where such docunents come into tleir hauds, or for any other proper parpose. and shall, if required, produce them for any of such purposes, and shall then transmit them to the registrar-general of seamen, to be by him recorded and preser ved; and the saill recistrarshall, on payment of a moderate fee to be fi:i:ed by the Bonitl of Trade, or witheut payment of any fee if the Board of Trade so direct, allow any presson to inspect the same; and in cases ill which the production of the original of may such document in any court of justice or elscwhere is essential, shall produce the same, and in other cases shall make and deliver to any person requiring it a certified copy of any such document or of any part thereof; and every copy purporting to be so made and cercitied shall be received in evillence, and shall have all the effect of the originai of which it purports to be a copy. (Sec. 277.)

Officers of Customs to make Returns.-The oullector or comptroller of customs at every port in the United Kingitom, shall on or before "eboruary 1 and Augnst 1 in cevery year transmit to the registrar-gencral of scamen a list of all shins registered in such port, and also of all ships whose registers have been transferred or cancelled in such port since the last preceding returu. (Sec. 288.)

Agrecments, Indentures, and Assiyp nents, on Arrival at a foreign Port, to be deposited with the Consul; at a Coluny, with the Officers of Customs,The following rules shall be observed with reppect to the delivery of documents to Britizh consular oflicers (that is to say):-
(1) Whenever any ship, in whatever part of her Majesty's dominions tho same is registerel (except ships whuse business for the time being is to carry passengers), arrives at any fureiga port where there is a British consular oflicer, or at any port in any British possession abroad, and remailus thereat for 48 hours, the mister shall, withia 48 hours of the ship's arrival, deliver to such consular officer, or to tho chief othicer of customs (as the case may be), the agreement with the cres, and also all indentures and assignments of apprenticeships, or, in the case of a ship belonging to a
a trade ship without the prow leate, and any such ollicer may , mutil the same is produced.
me in case of Tranyfer of Stip me it any slup cense, by reason restip or chauge of caplaythe definition of a foregig. trade ship, the master or owne? h slip is then in the Enited month, and if she is elsewhere, cliver or transmit to the slipport to which the ship has bebefore mentioned, duly made rhich she censed to be a tureigne ship, nad in deffult shall for a peunalty not exceediug 10., ost or absandouco, the matter , if practicable, wind ns seman as trausmit to the shippi", mater thas the ship belonged such liit entioned, duly made out to the or ubandonment, nod iu defaut ce incur a peundty not execeding
rs ant other Officers to tument gistrar.-All shipipily matets stoms shall take charge of all are delivered or transmitted to tm in pursuance of this Acr, ond or such time (ifany) as may be purpose of settling any business ce where such documents come or for any other proper purpose. vired, produce them for any of ad shall then transmit them to ral of seamen, to be by him reved; and the said registrarshall, moderate fee to beti:ed by the or without payment of any fee if de so direct, allow any person to ; und in cases in which the proGrinal of any such document in iee or elsewhere is essentinl, shall \(e\), and in other cases shatl nake y person reguiring it a ectitied document or of any part thereof: purportius to be so made and received iu ev: tence, nad shall t of the originn of which it pur-
(Sec. 277.)
stoms to muke Returns.-The culher of customs at every port in lom, shall on or before February in every year Lrausmit to the of seamen a list of all ships a port, nud also of all ships wase en trausferred or cancelled in such it preceling return. (Sec. 9i8.) ndentures, and Assigp nonts, on eign Port, to be deposited with the nu, with the Opficers of Custuns.les shall be obseryed with respet \(\int\) documents to British consular (o say):-
any ship, in whatever par of her hions the same is registercil (cxe business for the time beng is e business for the arrives at ony foreign port Iritish consular officer, of at iny sh possession abroad, and remaills ours, the master shall, within 48 ours, the arrival, deliver to such consular chief otheer of customs (as the is agreement with the csers, and Hres and assignments of appreaares and assignments of a ship belonging to a

British possession, such of the said documents as master ; and the said reysistar or shippiag master such ship is provided with.
(2) Such officer shall keep such documents cluring the ship's stay in such port, and, in cases where any indorsements upon the arreement are hereby required, shall duly make the sanue, and shall retum the said documents to tho master a rensonable time before his departure, with a eertiticate indursed on the agreement, stating when the same wero respectively delivered and returnel.
(3) If it appears that the required forms have beea neglected, or that the existing laws have been transgressed, such otlleer shall make an indorsement to that effect on the agreement, end forthwith transmit a copy of such indorsement, with the fullest informntio: he can collect regarding such neglect or transgression, to the registrar-- acacal of senmen.
had if any master fails to deliver any such docunent as aforesaid he shall, for every such default, incur a penalty not exceeding \(201 . \dot{5}\) nd in any prosecution for such penalty it shall lic upon the master cither to produce the eertitiente of the consular officer or otlicer of customs hereinbefore required, or to prove that he duly obtained the snme, or that it was impracticable for him so to do. (Sec. 279.)
9. Regulations in regard to taking Apprentices on board Ship,-We have already noticed, under the article APrume sice, the important. fact that it is nu longer nee cst ary that any ship, whether she be above or belew 80 tons burden, should take on board any apprentice or apprentices. But though no longer compulsory, they may be, and centinue to be, taken. The following clanses of the Merchant Shipping Act relate to the binding of such apprentices, more especially of those which are apprenticed by guardians or oversecrs of the poor.
Shipping Masters to assist in binding Appren-tics.-All shipping masters appointed under this Act, shall, if applied to for the purpose, give to any board of guardians, oversecrs, or other persons desirous of apprenticing boys to the sea service, and to masters and owners of ships requiring apprentices, such assistance as is in their power for facilitating the making of such apprenticeships, and may receive from persons avniling themselves of such nssistance such fees as may be determined by the lloard of Trade, with the concurrence, so far as relates to pauper apprentices in England, of the poor law boart in England, nud bo far a: relates to pauper apprentices in Irelnnd, of the poor law commissioners in Irelnud. (Sec. 141.)
Indenture of' Apprentices to Sca Service by Guurdians 乌.e to be witnessed by 2 Justices.-In the case of crery boy bound apprentice to the rea serrice by myy guardians or overscers of the poor, or other persons having the anthority of guardians of the poor, the indentures shall be executed by the boy and the person to whom he is bound in the presence of and ahall be attested by 2 justices of the pence, who shall ascertain that the boy has consented to be bound, and has attained the are of 12 years, and is of sutticient health and strength, and that the master to whem the boy is to be bound is a proper person for the purpose. (Sec. 142.)

Indentures of Apprentieeship to le exempt from
Stump Duty. All indentures of apprenticeship to Stump Duty.-All indentures of apprenticeship to the sea service shall be exempt from stamp duty ; and all such indentures shall be in cluplicate ; and erery person to whom any boy whatever is bount ss an apprentice to the sea service in the United Kingdom, shall within 7 days nfter the execution of the indenturcs take or transmit the same to the segistrar-general of seamen or to some shipping
shall retain and record one copy, and slatl inderse ont the other that the sane has been recorded, and shanl re-deliver the snme to the master of the apprentice; and whenever any such iratenture is assigned or cancelled, and whenever any such apprentice dies or deserta, the master of the apprentice shall, within 7 days after sueh assigument, cancellation, death, or desertion, if the same happens withit. the United Kingulom, or if the same happens elsewhere so soon atterwarils as circumstances fiermit, notify the same either to the snid registrar of senmen, or to some shipping master, to be recorded; and every person who fails to comply with the provisious of this section shall incur a penalty not excecding 101. (Sec. 143.)
Rules to govern Apprenticeship of Paupers in Britain and Ireland.--Subject to the provisions before contained, all apprenticeships to the sea service made by nny gundians or overseers of the poor, or persons having the authority of guardians of the poor, shnll, if made in Great Britaio, be male in the same manner and be subject to the snme laws and regulations as other apprenticuships made by the same persons, and if made in Ireland shall be subject to the following rules; viz.:-
(1) In every union the guardians of the poor, or other persons duly appointed to carry into execution the Acts for the relicf of the destitute poor and having the nuthority of guardians of the poor, may put out and bind as an apprentice to the sea service any boy who or whose parent or parents is or are receiving relief in such union, and who has nttained the nge of 12 years, and is of sufficient health and strength, and who consents to be so bound.
(2) If the cost of relieving any such boy is chargeable to an electoral division of a union, then (except in enses in which paid officers net in place of guardians) he shall not be bound unless the consent in writing of the guarilians of such elcetoral division or of a majority of the guardians (if more than one) be tirst obtained, such consent to be, when possibie, indorsed upon the indentures.
(3) The expense incurred in the binding and outfit of nu nuprentice shall be charged to the union or electoral division (as the case may be) to which the boy or his parent or parents is or are chargeable at the time of his being upprenticed.
(4) All indentures made in any union may be sued upon by the guardians of the union or persons having \(t\) ' \(e\) authority of gurdians therein for the time being, by their name of office, and actions brought by them upon such indentures shall not. abate by reason of deatil or change in the persons holding the office; but no such netion shall be commenced without the consent of the Irish poor law commissioners.
(5) The amount of the costs incurred in any such action and not recovered from the defendant, therein, may be charged upon the union or electoral division (as the case may be) to which the boy or his parent or parents was or were chargeable at the time of his being apprenticed. (sec. 144.)

Apprentices and their Indentures to be brought before Shipping Master lefore Voyage.-The master of every forcign-going ship shall, before carrilig any apprentice to sea from anly place in the United Fingdom, cause such apprentice to appear before the shipping master before whom the crew is engaged, and shall produce to him the indenture by which such apprentice is bound and the assignment or assignments thereof (if any); and the name of such apprentice, with the date of the
indenture and of the assigminent or assignments thereof (if any), and the name of the port or ports at which the same have been registered, shall be entered on the agreement ; and for any default in obeying the provisious of this section the master shall for each offence incur a penalty not exceeding 51. (See, 145.)

Seamen (Corporation for Relief of),-During the reign of Geurge II. an establishment attached to Greenwich IIospital was ereeted by the 20 Geo. II. c. 38 'for the religf und support of disubled seamen, and the widous and children of such as shaell be killed, slain, or clrowned in the merrhant service.' To provide a fund for this charitable institution, every person serving in any merelant slip, or other private ship or vessel, belonging to my of his Mujesty's sulyce ts in England (except apprentices under the age of 18 , persons employed in boats upon the const in taking tish which are brought fresh on shore, or in boats within rivers, or upon boats on tho coasts, and pilots-exeept persons employed in the service of the East India Company, and who were not entitled to the benefit of this institution, being provided for by a fund established by the Company), paid \(6 d\). per month, which was deductel out of his wages by the master, and paid over to the persons appointed under the nuthority of the Act at the port tow which the ship belonged, before she was allowed to clear inwards. For the management and distribution of this fund, a corporation was created, composed chiefly of eminent merchants, with power to purchase lands and erect an hospital, and to provite for seamen rendered incapable of service by sickness, wonnds, or other aceidental misfortunes, and decrepit and worn out by are, either by receiving them into the hospital, or by pensions : and also to relieve the widows and children of seamen killed or drowned in the merchant service, provided the children are not of the age of 14 years; or if of that age and upwards are incapable of getting a livelihood by reason of lameness, blinduess, or other inlimity, and are proper objects of eharity; and to make reasonable alluwances to those who shall lose an eye or a limb, or be otherwise hart or mnimed, in fighting, defending, or working their ships, or doing any other cluty in their service, in proportion to their hurt; so far forth as the ineome nud revenues of the charity will extend for these purposes. But no person is to be provided for as a worn-ont seaman who has not been employed in the merchant service five years and paid the contribution. And in providing for this elass a preference is given to such as have served longest and contribnted most.

In order to aseertain the times of service ard pavment of the contribition, the master was obliged to keej a muster-roll of the persons employed in the ship, and had before her departure to deliver a duplicate to the collector or receiver of duties for the seamen's hospital at the port; and, during the voyage, to enter the time and 1. lace of discharge, quitting, and desertion, and of receiving other persons on board, and of any hurt, damage, death, or drowning; of which he had also to deliver a duplicate at his return, under the penalty of \(20 l\)., to the truth whereof he might be examined upon oath by the collector. And in case any person employed on board any ship or vessel should, in doing his duty on shore or on board, break an arm or a leg, or be otherwise hurt or maimed, he was to be properly relieved until sufficiently recovered to be sent to the place to which the ship belonged.

But, notwithstanding the praiseworthy prineiple on which this establishment was founded, it was not found to be productive of the benctits, in
a practical point of view, that had been anticipated. Perhaps this was to be in part explainell by the circumstance of its being attached to Greenwieh Hospitnl, which is peculiarly injended as a retreat for the worn-ont and disabled seamen belor fing to the Royal Navy. But, however this may be, it appeers from accomits lald before larliament, that in 1829, when the merchant seamen paid an annual contribution of \(26,13 \bar{\gamma} /\). to the hospitnl, there was not one of them within its walls, execpit such as had also served on bonnd line-of-battle s'lips. The system was, in consquence, much complained of by the seamen and others interested in the merchant service; and it is obvious that theso complaints wero not unfounded, and that the seamen reaped no advantage from the institution at all equivalent to the sacritiec they made for its support.
'fo obviate this state of things, a new system was introdueed in :835, when it was ordered, br the Act 4 \& 5 Win. IV.c. 84 , that the contributian of bd. per month by seamen in the merchant service to Groenwich Hospital should cease from January 1,1835 ; and that \(20,000 l\). a-year should be advanced from the consolidnted fuml to the Hospital to make good the deficiency caused by the cessation of such contribution.
New Listablishment for Support of Merchunt Seamen \&e.-And to provide still moro effect. unlly for the relief and support of maimel and disabled merchant seamen, and of the widuws \&e. of those killed or trowned in the merchant service, the Act 4 \& ' \(\mathbf{W m}\). IV. c. 52 was passed. This Act repealed ti'e 20 (ico. II. c. 38 , exeept in so fur as it related to the establishment of the corporation of the president and govemors fur the relicf of maimed \&c. merelant seamea, and of the widows and children of seamen killed or drowned in the merchant service; and it also repealed as much of the Act 37 Geo. III. c. 73 as related to the wages of seamen. dying while emploved in ships trading to the West Indies. And havior thus cleared the way, it proceeded to introluce a new system, which was further extended sod perfected by the \(6 \& 7 \mathrm{Wm}\). IV. c. 10 , aud the \(:\) \& 8 Vict. c. 112. Under this system, all masters of British ships, whether owners or not, and all British seamen employed in navigating the sme. were obliz ii to contribute certain sums ont of their wages to the support of the Merchant Seamen's Fimul. In the case of seamen this comtibution, which, in the first instance, was only \(6 d\). per month, was subsequently - "ised to \(\%\). per month. And in addition to th se contributions, the wages and other effects of deceased seamen were, in the event of their not being claimed by their relations, paid over to the fund.

In' a former edition we stated that the coatribution to this fund amounted, in 1842, in Loadon and the ports under the management of the society, to 16,9361 .; and that a large additional sum was also colleeted at the outports. And we pointed out the abuses connected with its management, and especially that the expenses of collectins: seemed to be quite enormous, amounting to from 8 to 10 , and sometimes even 15 per cent. and upwards, of the sums received.

These abuses were not rectitied; and in coasequence partly of their operation, and partly of too large a proportion of the available fuads of the society having been \(\mathrm{d}^{\text {: }}\) + ributed among the widurs and children of the seamen, the system bccame very unpopular among the latter. And Gorernment, being aware of the reasonableness of this feeling, passed an Act in 1851, for wiading up the fuid.

Another institution for the benefit of merchant
iew, that had been anticiwas to be in part explained of its being attached to phich is peculiarly iniended rn-out and disabled scamen al Navy. But, however this maccounts lald before l'arwhen the merchant seamen ribution of 26,1371 . to the not one of them withia its \(s\) had also served on board The system was, in cons:lined of by the seamen and the merchant service; and ese complaints wero not une seamen reaped no advartion at all equivalent to the or its support.
tate of thinges, a new system 835, when it was orderel, by V. c. 34 , that the contributina scamen in the merchant serIlospital should cease from ad that \(20,000 l\). a-year should the consolidated fund to the tood the deficiency caused by h contribution.
ant for Support of Merchunt to provide still more effect\(f\) and support of mainal and scamen, and of the widows or drowned in the merchant 5 Wm. IV. c. 52 was passed. tie 20 (子eo. 1I. c. 38 , except in \(d\) to the establishment of the president and govenurs for the c. merchant scamen, and of the c. of seamen killed or drowned service; and it also repealed as 37 Geco. 111. c. 73 as related to men. \(l\) lying whilo emploved in the West Indies. And haviag ay, it proceeded to introduce a ch was further extended and 6 \& 7 Wm . IV. c. \(1 \overline{5}\), aud the \(\bar{i}\) Under this system, all masters whether owners or not, and all aployed in navigating the snie, contribute ecrtain sums uut of support of the Merchant seathe case of seamen this contrithe first instance, was only du . subsequently wised to \(2 s\), per addition to th se contributions her effects of deccased seamen of their not being claimed by id over to the fund. ition we stated that the contrid amonnted, in \(18+2\), in Londoa ler the management of the so; and that a large additional mlected at the outports. And the abnses connected with its especially that the expenses of to be quite enormous, amount10, and sometimes erea 15 pet s , of the sums reccived. ere not rectitied; and in conse their operation, and partly of too n of the available fuads of the en d: +ributed among the widows the seamea, the system became tmong the latter. And Govenre of the reasomableness of this Act in 1851 , for winding ap the
ation for the benefit of merchant
seamen is the Seamen's ILospitul Socirty, estabishenl in 1821, and incorporated by the is at 4 Win. IV. c. 9. It is supported by voluntnry con-
tributions, and by a payment from the Treasury rqual to tho sums annually paid into the excheguer on account of llues or penalties inflicted nubler the Mercantile Shipping Act of 185.1 \&e.
Provisions for aftording aid to merehant seamon when abroad and in distress are embodied in the . Lets 17 \& 18 Vict. c. 10.4 ss. \(211,212,18 \& 19\) Viet. c. 91, s. 16 , and 25 \& 26 Vict. c. 63 н. 22.

SEAVOR'lIS. \(\Lambda\) term applied to a ship, inlicating that sho is in every respect fit for her woyage. It is provided in all charterparties, that the vessel chartered shall bo \({ }^{t}\) tight, stnuuch, and stoug, well apparelled, furnished with an alequate number of men and mariners, tackle, probivions ©fe.' If the ship be insufficient al any of these particulars, the owners, though ignoratit of the circumstance, will be liable for whatever danage may, in consequence, be done to the fonds of tho merchant, and if an insurance have bewa effectel njon her, it will be voil.
Whether the condition of seaworthiness be in the charterparty or not, it is always implied. - In every contract,' said Lord Ellenborough, 'between a person holling himself forth as the owner of a lighter or vessel ready to earry goods for bire, and the person putting goods on board, or employing his vessed or lighter \(\mathrm{ft}=\) that purpose, it is a term of the contract on the part of the lightermon or carrier implied by lau; that his ressel is tight, and fit for the purpose for which lie offers and holds it forth to the public; it is the immediate foundation and subsiratum of the vantract that it is so: the law presumes a promise to that effect on the part of the carrier, without auy artual proof; and every reason of sound policy and padic convenience requires that it should be son? Nut only must the ship and furniture be sufticient for the voyage, but she must also be furnished with a suttheient number of persons of competent skill and ability to navigate hre. And forsailing down rivers, out of herbours, or throngh roads \&e., where cither by usage or the laws of the conatry a pilot is required, a pilot must be taken on board. Sut no owner or master of a ship shall be answerable for any loss or damage by reason of no pilot being on board, unless it shall be proved that the want of a pilot shall have arisen from nay refusal to take a pilot on bard: or from the nerligence of the master in not heaving to, for the purpose of taking on hoaki any pilot who shall be ready and offer to take charge of the ship. ( 48 (ieo. It1. c. 164. ) A ship is not seaworthy unless she be provided with all the documents or papers neecesary for the mauifestation of the ship and eargo. Neither is she seaworth; if, during war, she be not suphied with the sails required to facilitate her esape from an enemy. 'It is not sufficient to defat the lialility of the owner, that he did not know that the ship was not seaworthy, for he ought to have known that she was so at the tiace he chartered her. The sufficiency of the ship is the foumdation of the contract between the parties, and a ship not capable of convering the goods in a proper state is a failure of the condition precedent to the whole contract. The seaworthiness of the ship is not a question of fraad or good intention, but it is a positive stipulation that the ship shall be so; and, therefore, altheugh the owner may himself have been deceived by the shipbuilder, repairer \&c., if the ressed be, in fact, unsenworthy, have an insuftisient bottom or unsound timbers, it is a breach of a preliminary condition, ard is fatal, as such,
to tho contract.' (liolt's Law of Shipping, 2nd cd. p. 383.)

It is only necessary, to guarantee tho owners from loss, that the ship should be senworthy at the time of her departure. She may ecase to be so in a few hours, and yet they may not be linble. Tbe question to be decided in such cases always is, whether the ship's disability arose from any defect existing in ler before her aleparture, or from a cunse which occasicned it ufterwards. But if as ib. Withing a day or two of her departure, beame leaky or founder at sea, or be obliged to put back, without any visilide or adequate cause to produce such nu eflect-such as the starting of a plank or other aceident to which the best ships ure liable, and which ne human prudence can prevent-the fair presumption is that she was not seaworthy when she railed; and it will be ineumbent on the ewners to show that she was seaworthy at that time. They are liable for damage occasioned by overy injury arising from any original defert in the ship, or from !atl stowage; but they are not liable for any injury arising from the a tof cod, the king's cuemies, or the perils of the sea.

It is further to he observed, that how perfeet soever a ship may be, yet, if; from the nature of her construction, or uny other cnuse, she be incapable of performing the proposed voyare, with the proposed cargo on board, siee is not seaworthy. Slee must be, in all respeets, fit for the treele it which she is meunt to be employed. And it is a wholesome rule, that the owners should be held to a pretty strict proof of this.

It has been alrealy observed, that any defect i, jobint of seaworthiness invalidates mu insurance. There is not only an express but an implied warranty in every policy, that the ship shall be 'tight, staunch, and strong" de.; and the reason of this is plain. The insurer undertakes to indemuify the insured against the extran dinury und unforeseen perils of the see; and it would be absurd to suppose that any man would insure against those perils, but in confidence that the ship is in a condition to encounter the ordiuary perils to which every ship nust be exposed in the usual course of the proposed voynte.

By the old law of France it was directed that every merchant ship, before her departare from the place of her outfit, should be survered by certain sea oflicers appointed for that purpose, and reported to be seaworthy, 'en bon état de nasigiation;' and that previons to leer return, before she took her homeward eargo on board, she should be again surveyed. Valin has shown (Tit. brit, art. 12) that very little confidence coudd te phaced in these surveys, which, he tells us, were only made upon the external parts, for the ship \(w\) is not mesheathed; and, therefure, her internal and hidden defects could not be disclosed. This practice seems now to be abandoned by the French: at least there is no allusion to it in the Code de Commerce. It is, one would think, much better to leave the question as to the seaworthitess of the ship to be asecrtained, as in Englnnd, after a loss has happened, by an investigation of the true cause of such loss, thim to permit so important a question to be decided upon the ruport of othecrs without any motive to enquire carefully into her actual condition. A ship may, to all appearance, be perfectly capable of performing a voyage; and it is only after a toss has happoned that her latent defects can be diseovered, and her true state at the time of her departure renderel manifest. Indecd, the survey made by the French was not deemed a conelusive proof that the ship was, at her departure, really seaworthy:
it merely raised a presumption that such was the case; but it was still open to the freighter or the insurer to show the contrary.

For further information upon this point, the realer is referred to the alile and excellent work of Chicf Justice Abbott (Lord Tenterden) on the Law of Shipping, part iil. c. 3; Ilolt On Shipping, part iif. c. 3 ; nud of Mr. Scrjeant Mnrshnll On Insurance, book i, c. 5 . [simis; Steam Vessei.s.]
SELEDS. In Commerce, the grains of several species of gramina. Those of most importance are clover sced, flax or linseed, hemp seed, rape seed, tares, mustard seed \&ec; for which, seo tho respective articles, But it may be useful to subjoin the following
Account of the Imports and Erpmrts of the Principal Seeds in 1867.
\begin{tabular}{|c|c|c|}
\hline & Impors: & Exporta \\
\hline Meana, Eidney or French buahel: & 27.181 & 410 \\
\hline Canary - cwt. & 36,94, & 3,261 \\
\hline Carrawny : \(\quad\) : & 15,314 & 5,377 \\
\hline  & 1303,964 & \({ }_{8,313}\) \\
\hline  & 1,095,3614 & 30,007 \\
\hline Giarden, unenumerated - It. & 807,321 & 8,717 \\
\hline (irass - - cxt. & 81, \(\mathbf{4}_{4}\) & 37,080 \\
\hline Hemp : \(\quad\) : \({ }^{\text {qr. }}\) & 15,015 & 110 \\
\hline I.entils - bushela & 204,119 & 120 \\
\hline atilet - : cwt. & , 31,831 & 3,289 \\
\hline \(\xrightarrow{\text { Mlustard }} \quad: \quad 0 \quad \%\) & 91, 98.18 & 31,209 \\
\hline \(\begin{aligned} & \text { Ropple } \\ & \text { Rape }\end{aligned} \quad: \quad: \quad: \quad\) \%r. & 620.108 & 229, 24. \\
\hline Tares : - : "' & 410,42 & 3,169 \\
\hline Not particularly descriheti; coinmonly used for ea: presting oil therefrom & 9,613
\(43,8.55\) & 3,278 \\
\hline
\end{tabular}

The total value of the secds imported in 1867 was \(6,918,433\) l.
SEGARS or CIGARS. [Tobacco.]
SENNA (Fr. séné; Ger, semnablifter; Ital. senna; Span. sen ; Lat. cassia senna; Arab. suna). The plant (cassia senna) which yields the leaves known in commerce and the materia medica by the name of senna, is an annual, growing wild in the interior of Africa, and is more especially a native of Upper Egypt. The leaves are collected by the Arabs frequenting the descrts to the cast and west of the Nile, anil sold by them in baskets at 3 s , or 4 s . per 100 lb . to Egyptian traders. It is packed and sent to Cairo, where it brings from 10 s , to \(1 \bar{s} \mathrm{~s}\). per 100 lb . Here or at Alexandria, it is repacked in bales and sent to Europe. A great deal of senna grown in Southern Indin is imported from Calcutta and Bombay: (British Pharmacopcia, 1867; Thomson's Dispensatory.) Senna is very extensively used in medicine. It is mixed with other lenves, some of which aro nearly equally good, while others are very inferior. In 1867, the imports aud exports of senna amounted respectively to 704,305 and 445,051 1b, An import dity of \(1 \mathrm{~s}, 3 \mathrm{~d}\). per lb., after being reduced in 1832 to \(6 d\), and in 1842 to \(1 d\), was wholly repealed in 18.15.
SHIAGREEN (Ger. shagrin ; Ital, zigrino ; Russ. echagrim schagren). A kind of grained leather, used for varions purposes in the arts, It is extensively manufactured at Astrakhan in Russia, (Tooke's Russia, vol, iii. p. 403.)
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Years & Canton & Amoy & Foochowfoo & Ningpo & Stanghae & Hank in & Total \\
\hline 1863
1861 & \[
\begin{aligned}
& \mathbf{2 , 2 8 1 , 3 5 4} \\
& \mathbf{2 , 4 2 1 , 4 \times 2}
\end{aligned}
\] & \[
\begin{gathered}
\underset{2}{f}, 033 \\
2,34,03, \\
\hline
\end{gathered}
\] &  & \[
\begin{array}{r}
3,34,601 \\
3,4 \times 1,538 \\
\hline
\end{array}
\] & \[
\begin{aligned}
& 29,963,555 \\
& 21,610,757 \\
& \hline
\end{aligned}
\] & \[
\begin{array}{r}
\boldsymbol{\kappa} \\
3,30 \%, 7 \% \\
3,620,38
\end{array}
\] & \begin{tabular}{l}
\(43,1 \ln _{9} 9\) \\

\end{tabular} \\
\hline
\end{tabular}
II.-Value of Exports from the same Ports, 1863-64.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Yeara & Canton & A moy & Foochowfoo & Ninkro & Shanghae & Ilankin & Toul \\
\hline \[
\begin{array}{r}
186.3 \\
1864 \\
\hline
\end{array}
\] & \[
\begin{aligned}
& \mathbf{x}, 86,039 \\
& 3,414,86.3 \\
& \hline
\end{aligned}
\] & \[
\begin{gathered}
\boldsymbol{z} \\
994,29 \\
943,194 \\
\hline
\end{gathered}
\] & \[
\begin{array}{r}
4,31,213 \\
4,374,68.5 \\
\hline
\end{array}
\] &  & \[
\begin{gathered}
\boldsymbol{e} \\
12,24,153 \\
13,284,5 \times 9
\end{gathered}
\] & \[
\begin{gathered}
\frac{f}{4}, 392 \\
4,217,3 n 2 \\
4,481,475
\end{gathered}
\] &  \\
\hline
\end{tabular}

\section*{HANGHAE}

CHAMOIS LEATILER (Ger. r. chamois ; Ital. camoscio; koshi). \(\boldsymbol{A}\) klnd of leathet tanned, and much esteemed for ney, and capability of bearing The real shmminy is preparel he chamois goat. But leather te skins of the common goat, is frequently substituted in its
or SIIANGIIAI. A city and neve vinee Kiang-su, on the Woosury by water from the sea, and foy ankin: lat. \(31^{0} 15\) N., lonst ulation estimated in 186.1 at from 10. It stands in a level and wellproducing goed crops of eottin, Immediately outside the wall by sed are several populous sujurbs and tllthy. Foundling hospital, 1 vast lee-honses are the oljects notice in the city. It has a mint, res of silk, vegetable oils and oilvast quantities are annually seat or), iron ware, glass, paper, ivor!
tost northerly of the five Chinceie ere opened to foreigners by the and it is also the most important. ch may be navigated by ships of for a eonsiderable distance abure es the Grand Canal, se that Shar:trepôt for all the vast and fertile rsed by the canal, and by the great ng the Yang-tse-Kiang and the th which it is connected. Ilence nportance of the emponium, and e indefinite extension to which its may probably attain, Its inland rades are both very extensive, It annually visited by from 5,003 to d rlver boats, some from Yery grest by 1,500 or 1,600 coasting junks. Kiang-su, in which Shanghae is uces great quantities of sub; and ing most part of the northery proempire, the shipments of silk to are much greater from this than t. It is, also, well situated for the and black teas; and ia their exas in that of silk, it has shot for inton and the other empuniuns. ther exports are oil and oil-cake, poreelain, eopper nud copper-ware, thread, alum, fans, hams, dree the imports opium is by far the value of the British cottons impon mounted to \(3,49 \bar{j}^{2} 2550\), and that 2,365,74\%l. But despite thise and the excess of the value of the exvery great, that immense quantities e imported. The following tables rogress of the iuport and expor ha and the great compsrative imhanghae.
Ports in the Years 1863 and 180.
\begin{tabular}{|c|c|c|}
\hline Shanghae & Hankin & \\
\hline  &  &  \\
\hline
\end{tabular}

\section*{rts, 1863-64}

\section*{Shanghae \\ \(\underset{12,22 \pi, 153}{\boldsymbol{\varepsilon}}\)}
\(12,24 \pi, 153\)
\(1,3,282,539\)
\begin{tabular}{|c|c|}
\hline Hantin & Tout \\
\hline \[
\begin{aligned}
& \frac{2}{4,27,392} \\
& 4,4 \times 1,475 \\
& \hline
\end{aligned}
\] &  \\
\hline
\end{tabular}

t. Wellter lishoy

III．－Account of the Tea Exported from 7 Chinese Ports，1863－4，
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline Yoars & Casion & Amoy & Foechowfoo & Ningpo & Shanghan & Ilantin & Kin．tiang & Total \\
\hline \[
18.5
\] & \[
\begin{gathered}
\text { th. } \\
69,0 \times 1,931 \\
89,681,535
\end{gathered}
\] & \[
\begin{gathered}
\text { th } \\
70,069,100 \\
61,967,400
\end{gathered}
\] & \[
\begin{array}{r}
\text { lb } \\
21,477,411 \\
13,919,984
\end{array}
\] &  &  & \[
\begin{gathered}
1 \mathrm{t}, \\
\mathbf{4 0 , 1 8 1 , 6 2 .} \\
35,3.30,923
\end{gathered}
\] & \[
\begin{aligned}
& \mathrm{lb}, \\
& 2.5,41 \mathrm{M}, 10 \\
& 17, \mathrm{~B}, 59,3>3
\end{aligned}
\] & \[
\begin{aligned}
& \text { Ib. } \\
& 169,094,20 . \\
& 157, f i 5,731
\end{aligned}
\] \\
\hline
\end{tabular}

Nofe．－The enposts of tea al the separate ports include ahlpmenta from port to port．
11．－Table，contrasting Exports of Tea from Shanghue ant the Yang－tsze Ports to Great Britain and the United Stutes for the Years 1865，1866，and 1807.

\(\mathrm{y}:-\) Account of the Number and Tonnage of Rritish and Foreign Vessels Entered and Cleared at the Port yf Shanghae in each Yeur from 1861 to 1865，and in 1867.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{9}{|c|}{ENTERED} \\
\hline \multirow[b]{2}{*}{Years} & \multicolumn{2}{|c|}{British} & \multicolumn{2}{|c|}{American} & \multicolumn{2}{|l|}{Other Conuntsiea} & \multicolumn{2}{|c|}{Tatal} \\
\hline & Vessels & Tona & Vescela & Tons & Vemela & Tons & Vessels & Tons \\
\hline 1851 & －\({ }_{1}^{810}\) & 2998981
310,139 & 319
806 & \(93,8.3 / 3\)
\(248,0.58\) & 637
3611 & 9，3，907
307913 & 1，806 & 419，6599 \\
\hline 1854 & \(1,5.38\)
1,790 & 390,139
631,981 & 806
\(84 \%\) & \(248,0.58\)
272108 & 7919 & 107,913
1601,460 & 4， 298
3,410 & 744,138
664,319 \\
\hline 1961 & P， 176 & 83， 1985 & 573 & 277 2377 & 617 & 131，667 & \({ }^{2} 8686\) & 941，0187 \\
\hline 1665
1869 & 1,118
981 & 497，419 & \(\begin{array}{r}319 \\ 381 \\ \hline\end{array}\) & 28.1 .710
840.082 & \begin{tabular}{l}
3.58 \\
380 \\
\hline
\end{tabular} & 86,909
98,318 & （2，194 &  \\
\hline \multicolumn{9}{|c|}{\multirow[b]{2}{*}{CLEARED}} \\
\hline & & & & & & & & \\
\hline 1461 & \({ }_{1} 782\) & \％29，775
35980 & & & & & & 408，195 \\
\hline 1864 & 1,531
1,810 & 359,290
354,716 & คค\％ & \％ 28.048 & S60
885 & 107，943 & \％ 3 8， 8178 & 783,279
996,440 \\
\hline 1863 & 1,810
1,407 & \(3,44,716\)
\(\mathbf{4 9 8 , 7 9 7}\) & And
598 & 467，02
\(9 \times 7,065\) & 8.55
6.53 & 155,153
16,020 & 3，437
\(8,6.56\) & \(996,4!0\)
989,884 \\
\hline 1461 & 1,407
1,160 & 496797
587,669 & 811 & 291，294 & 380 & 91，003 & 8，081 & 909，970 \\
\hline 1869 & 1994 & 4：N0，660 & 378 & 421，413 & 362 & 91.548 & 1，734 & 1416，661 \\
\hline
\end{tabular}

YI－－Account of the Number and Tonnage of Vessels of each Nation，with Cargoes and in Ballust， Entered and Cleared at the Port of Shanghae in the Year 1867．
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline & \multicolumn{6}{|c|}{ENTEHED} & \multicolumn{6}{|c|}{CLEARED} \\
\hline \multirow[b]{2}{*}{Nationality of Vessela} & \multicolumn{2}{|l|}{Which Cargoes} & \multicolumn{2}{|l|}{In Ballast} & \multicolumn{2}{|l|}{Total} & \multicolumn{2}{|l|}{Whith Cargoes} & \multicolumn{2}{|l|}{In Itallast} & \multicolumn{2}{|r|}{Total} \\
\hline & \[
\begin{aligned}
& \frac{\pi}{7} \\
& 8 \\
& 8
\end{aligned}
\] & \[
\underset{~}{8}
\] & \[
\begin{aligned}
& \frac{5}{8} \\
& 8 \\
& 8
\end{aligned}
\] & \[
\begin{gathered}
\text { 厚 } \\
\hline
\end{gathered}
\] & 華 & \(\xrightarrow{\text { ¢ }}\) & \[
\begin{aligned}
& \frac{n}{3} \\
& 0
\end{aligned}
\] & \({ }_{\text {¢ }}\) & \[
\begin{aligned}
& \frac{0}{6} \\
& \frac{8}{8}
\end{aligned}
\] & 号 & 8 & \％ \\
\hline Pritith shippling \({ }^{\text {Sinzpo boata under Britich flag }}\) & 814 & 168，111 & 31
\(\$ 1\) &  & 875
106 & 173，946 & 754
100 & 429,929
8,366 & 115
3 & －58，107 & 869
103 & 181，3．36 \\
\hline Ninapo boata under Britich flag
American shipping & 314 & 217，249 & 16 & 5 r 31 M & 360 & \％29，547 & 3.38 & 210，460 & 21 & 8， 8778 & 354 & 219，3\％ \\
\hline Sinupo bots under American flag & 17 & 1，253 & 7 & － 280 & \({ }^{81}\) & 1，53， & 11 & ． 900 & 10 & 11.875 & \({ }^{24}\) & 1，673 \\
\hline Shipping of of erer countries flas & 190 & 77，049 & 14 & 4，1881 & 178 & 81,847
10,346 & 171 & \(71,2.4\)
11,079 & \({ }_{7} 7\) & 11,883
410 & 188 & \＄3，069
11,519 \\
\hline Sinkpo touts under verious flags
Tpual & 16 1,641 & 781．5930 & \(\frac{14}{101}\) & 80，083 & \(\frac{178}{1.745}\) & \(\frac{10,5 \% 6}{801.5 .77}\) & 1，547 & \(\left|\frac{11,079}{785,384}\right|\) & 187 & \(\frac{410}{1,271}\) & 1882 & \begin{tabular}{|c}
11,519 \\
\hline 06,661
\end{tabular} \\
\hline
\end{tabular}

YII．－Table of Exports of Silk from Shany．sin


VIII－Imports of Opiam into Shanghate in 1866 and 1867，and Value of the Imports in 1867.
\begin{tabular}{|c|c|c|c|}
\hline & 1866 & 1867 & Value 1867 \\
\hline \[
\begin{array}{|l|l|}
\substack{\text { Slalwa, Imported } \\
\text { Bennal } \\
\text { Pand } \\
\text { Pann } \\
\hline} \\
\hline
\end{array}
\] & \[
\begin{aligned}
& \text { chests } \\
& 88,019 \\
& 11,096
\end{aligned}
\] & \[
\begin{aligned}
& \text { chests } \\
& \begin{array}{c}
80,0.91 \\
10,159 \\
159
\end{array}
\end{aligned}
\] &  \\
\hline \multicolumn{4}{|l|}{} \\
\hline
\end{tabular}

The inhabitants of Shanghae are much more hospitable and better disposed towarda foreigners than those of Canton ；and strangers may travel for miles into the interior all round the city with perfect security．Some very fine brick houses
have been built by the Britisk and other forcign merchants in the suburls．

We are indebted for some of the foregoing par－ ticulars to Consul Winchester＇s Report of March 31，1868．［Canton ；Hona Kona \＆c．］
SHARKS＇FINS form a regular article of trade to China；and are collected for this purpose in every country from the eastern shore of Africa to New Guinea．In the Canton price currents they are as regularly quoted as tea or opium；and the price of late years has been，according to quality，from 15 to 18 dollars per picul，equal to from 50s．to 60 s ．per cwt．In 1867，the value of the British imports of these fins into Shanghae from Hong Kong was 9,864 taels，or \(\mathbf{3 , 2 8 8}\) ．Tho shark fishery is now carried on to a considerable extent along the north and north－west coasts of Iceland，but chiefiy for the sake of their oil．
SHAWLS（Ger．shawle；Fr．chals，châles； Ital．scialli；Span．chales）．Articles of fine wool，silk，or wool and silk，manufactured after the fashion of a large handkerchief，used in female dress．The finest shawls are imported from India，
where they are highly estecmed, and east from 50 to diou guineas. Hit the British shawls manufactured at Norwleh, Paisley, and particularly bitinthagh, have recently been very much improved and though still inferior in point of quallty to the tinest apecimeas brought from the Dast, they look wed, nul are much eheaper. The native shaw mamfaeture is of very comslderable value nud lmprotance.

Cushmere Shew/s,-The shawl mamfacture is believed to have originated in the valley of Cashmere, the ancient Caspirn, in the north-west of ladia, between the SHth nut an' \(^{\circ}\) degrees of north latitnde, and the 73 rd and 7 tit degrees of enst longitude. 'Though not so tlomarhing ne it ance was, the manufacture is still prosecuted in this province to \(a\) very considerable extent. The shawls are the very best that are made, possensing unequalled tineness, delicucy, and warmth. They are formed of the immer hair of a variety of the common poat (Capra hircus), reared on the colld dry table land of 'libibet, from 11,000 to \(1 \mathrm{li}, 000\) feet above the livel of the sea. The goat thrives sutliciently well in many other conntries; but in tho sultry phains of Mintosian it has hardly more halr than a greyloumil; and though in hifhor Intitudes the hair is more abomdant, it is for the most part shaggy and conrse. It is only in tho intensely cold and dry elimate of Thifiet that it yields the peculiarly soft woolly hair that constitutes the material of the Indian shawl. We do not, therefure, suppose that the ellorts to naturalise the shawl-gont in France will turn ont well. On the contrary, we believe the chances of success would be abont equal were an attempt made to breed beavers in a hot comntry, without water, or eamels in a moist country, free from leat and clronght.
The imner or tine wool is covered over and protected by a quantity of long sharigy hair, which is, of conrse, carefully separated from it before it is manufactured.

The gemuine shawl wool has been imported into this country; and the dinest lidinburgh and Iaisley shawls have been proeluced from it. Hut it must be admitted that shawls have nowhere been made that ean come, as respects puality, into sutecessfal competition with those of Cashmere. The manufacture has been established at Delhi and Lalore for some years; but notwithstanding it is earried on by mative Cashmerims, and though the material carried on be quite the same, the fabrics are said to want the fincuess of those made in Cashmere, and to have a degenerated, coarse appearance. It is ditlicult to account for this superiority. It has been ascribed to some peculiar quality of the water in the valley of Caslmmere; but it is most probably owing to a variety of circumstances, which, though each may appear of little importance, collectively give a character to the manufacture.
The following details as to the manufacture of Cashmere shawls have been extracted from an English paper published at Delhi:-
'The great mart for the wool of which shawls are made, is at Kilghet, which is said to be a dependeney of Ladak, and situated 20 days' journey from the northern boundaries of Cashmere. There are two kinds of it: that which can be readily dyed is white; the other sort is of an ashy colour, which being with diffieulty changel, or, at least, improved by art, is generally woveu of its natnral hue. About 2 lb . of either are obtained from a single goat once a-year. After the down has been carefully separated from the hairs, it is repeatedly washed with rice starch. This process is reckoned important; and it is to the
quality of the water of their valley that the Cavh. merians attribute the perenliar and limimable theness of the fabrles protuced there. At Kilget the hest raw wool in solil for about 1 rupeo per ponnct. Hy the prepuration and washing refiered (b, it loses b, and the remainder loving spun, rapees welght of the thread is considered worth! rule.
-Shawls are mado of varions forma, size, and borlers, which are wrought neparately; with the view of alapting them to the differemt marke Those sent to 'Turkey used to be of the softest and most delicate texture, Carpots mind comber. panes are fintriented of the hair or coarser part of the wool. F'rom a varicty of causes, among others the leseruction of the Janinsaries, who dresset much in shawls, the loss of royalty in Cabul, and the ruined flumees of Luchnow, it is certain that the demand for this chenat com. noodity luss grently aleclined of late years. lines the Mogal emperors, Cashmere fobund work tur 80,000 shawl loums. In the time of the Afthan kings, the mumber deereased to 15,000 . There are now nut more than 6,100 employed. I should attribute little of this diminution to the sule of Finclish Imitations among the Asiatic nations. When these comnterfeits tirst appeared, the pretty patterns and brillinncy of the colours touk the finey of some, but their great linferiority in the softness and warinth which marks the genuine shawl, soon caused the new article to be netrectet.
"The average value of shawls exported fon Cashmere monomts amually to \(1,800,000\) rupees. Linject Ningh took ? in kind as part of the gruss revemse of the province, which wa about \({ }^{2}\) : hacs a-yeur. IIe is said to have sold \(\frac{3}{3}\) of what he thus received, and to have kept the remainder for his own court. Of those disposed of the him and left for sale in the valley, 7 lacs worth went to Bumbay and Western India; 3 to llindostan, chiedly Oule; \(\frac{1}{3}\) lae each to Calcuttin Cabul, Herat, and 1halk, whence some were carriel to neighbouring combtries.
'A curions calculation of the succesaive exnetions, from Caslmere to lombay inchusirg, which magnify the price of slawhs, is henwith subjoinel.
'Actual cost for materials and labour ia making a pair of reel shawls:-
Faur Furrukabad seers of wool Cleaning, washlug, and spinning Dyeing
Wages
weavers
Total



Dutles on the same: -
On sale and Imprortaition to Cashmerc In the thread
While the falirie \(1 s\) In the loom
Total amount ofdudes in
Suties from Cashmere to A mritsir
From shmritslr to Bombay
At Bombay
Total from Amrilsir 10 llombay
Totll from Klyghet to Bombay, 17118 and 85123 l'rime cost - carriage-
y'roportion
Total eost
A pair of such shawls might sell for 500 rupers at Amritsir, and in liombny for 900 . The amount of the imposts: and the sums levied by each Government, will appear noore in relief if stated as they affeet a cancl load in its progress. It consists of \(14 \frac{1}{3}\) cutcha maunds, and contans, at an average, 2,000 shawls of different kinds, valued, on reaching Bombay, at 28,500 Furusabad rupees.
'The Government of Lahore exacts Fd . rs , 1,564 6; Patialah, 61; Bikencer, 43 ; Joudporf

SHEA BUTTEE
SHERRY
1213
121 4; Hhownnggur, 20; total 1,809 ; Ihombay, only 707 ewt. of vegetable tallow, valued at 10 per cent, ad valorem, 2,850.
liy treaty, the ruler of Cashmere is bound to gend to her Majesty every year \(\bar{b}\) shawls, as an acknowledgment of the Itoyal supremary.
The value of the Cashmere sliawly expritted from Unitish ludia by nea in the 6 years endine with 1806, was as follows:-
 of vach form, hiz, and rought reparately, with the rem to the different mark ind key used to be of the roftest exture. Carpets and comenter I of the hair or eoarser giart of a variety of causes, mann tion of the Jmisuaries, why hawls, the loss of ruyalis in ed llmanees of lanchnow, it is lemand lour this elegint enmdeclined of hate vears. Toulen ors, Cashmere found work lur

In the time of the Afghan e decrensed to 18,060 . Thite han 6,040 employed. I bhoult this diminution to the sale of \(s\) among the Asiat: e nations. erfeits lirst nupearel, the pretty iancy of the colours took the t their great infuriurity in the nth which marks the genuine I the new articlo to be neglected. value of shawls expoted fom s numually to \(1,800,000\) rapes. d In kind as part of the gross ovinee, which wor about \({ }^{2} \mathrm{j}\) lace I to have sold \(\frac{3}{7}\) of what he thuss have kept the remander for his rose disposed of by him and left valley, 7 lacs worth weat to estern India; 3 to llindustan, lac each to C'alcuttia, C'alul, , whence some were earriel to intries.
ficulation of the sucessaive exashmere to Bombay inclusive, he price of shawls, is herwith

Ir materials and labour in making wls:-
\(\xrightarrow{\text { of wool }}\) pylain
of wrol
to Cashmere
re loum
exts, asmesmnts \&e. nit of duties In Cashnyere .

\section*{}
nbay:
Amrisalr lo Bomsay
11
\(\vdots\)
\(\vdots\)
0
0
0
0
\(=1=8=0\)
\(=1000-7\)

shawls might sell for 500 nupes in Bombay foe 900 . The amount and the sums levied by each 1 nppear arore in relief if stated cand load in its progress. It futeha maunds, and contains, at 100 shawls of different kinds, oug Bombay, at 28,500 Furruka-
nent of Lahore exsels Fd. Is, h, 61 ; Bikencer, 43 ; Joudpors
\(1,3041 /\)
sllbiki' (fier, schafe; l'r. brehis, bêtes à lalue, moutuns; Ital. perore; Span. peoras, overjan; Riose. owzit; Lat. overs). Of the dumestic animaty behonghe to lireat Iritain, whep, with the excepthan of horses, and pirthaps cuitle, aro by tiar the most impertant. They elm be remed in situations and ulum woils where uther animuls would not live. They afford a large sughly of foud, and whe of the principal materials of clothlng. Wion has long heen anstaple mommontity of this country, and its manafinchre employs an immense minber of geople. 'The dremsed min, sayn Mr. I'omant, - forms dithereat parts of our apmirl! mad bs nesed for covers of books. The mitrails, properly prepared and twisted, serve for stringer fig various masical instruments. 'I'se benes, altuined (like other botes its generat), form materinis for tests lior the relloer. The mitk is thicker than that of cows, and consempently yiddes a greater yunatity of butter and chorse; and in mane places is so rich, that it will not proshace the chase without a misture of water to make it part from the wheg. 'The tung is a remarkably rich manme; imamuch that the folling of Noesp' is become too useful a branch of hasbandry for the limmer to neglect. To conchude; whether we eonsider the netrantages that result from this mimal to inalividuals in particular, or to these kingioms in feneral, we may, with Columella, consider this, in one sense, lis the tirst of the domestic quatrupeds.' (1'emant's British Zovhogy.) 1'ost majores ghadrupedes ovilli pecoris necunda ratio est; qua prima sit si ad magnitulinem utilitatis referas. Nan id precipue contra friporis violentiam protegit, curporibusque nostris liberaliora procbet velamina; et . . . mensas jucuntis et numerosis dapibus exomat. (De Re leasticî, lit. vii. cap. 2.) Tlic importation of sheep was prohibited until 1812, when they were almitted on payment of duties (sheep 3s. n had, himbs 2s.), which ware repealed in 18.6. [Catrus.] 530,72ti sheep and lambs were imported into the United Kingdom in \(186 i 7\).
ln consequence of the prevalence of sheep pox on the continent of Europe, an order in council of August 20, 1868 was issued, publishing guarantine and other regulations in regard to the sheep to be inmorted thence into this conntry.
'The number of sheep in Crent lbritain, ns returned on June 25, 1868, was \(80,711,396\); nilding to this \(4,822,414\) for Irelamd, and 73,972 for the Iste of Man and Chanmel Islands, we have a grand total tor the Linited Kingtom of \(35,607,812\).



The above table exhibits a compendious view For further details as to the number of sheep, of the more prominent claracteristics of the principal breeds of sheep in Great Britain.

SHERRY. [Wine.]
sHIPS, SUIPPING.

\section*{I. Suthe (Genfital Account of). \\ It. Silir (Clabmification or). \\ III. Shire (Safety of). \\ 【V. Silipino Orfices, \\ V. Sitirg' l'arlita.}

\section*{1. Suipg (Ginfrat Account of),}

Nautienl men apply the term ohip to Alftinguish a veasel linving 3 masta, cach consiating of a lower maat, in topmasl, and top-gallant mast, with their mppopriate rigging. In famlline language, it is usunly employed to distinguisin an. large vessel, however rigged; but it is also frequently used ns a genernl despgnation for all vessels navignted with salls; nul it is in this sense that we now employ it.

Wherchent Shipm.-It is hardly possible to divide merchant nhips into classes, at least with any degree of preclsion. 'Their size, shape, the moile of their rlpging de., depend not merely on tho particular trade for which they are destined, but on the vary \(\ln \mathrm{g}\) tastes and fancles of their owners. The shipsemployed in the China and Indian trade are the largest nut fluest merchantmen belonghar to this comintry; those in tho Australian trate rank next, then follow the vessela employen In the trade with the P'ncille, the Irazils, West Indies, and Mediterrancan, and among the worst descriptions of sailing vessels are those engaged in the Canailinn, linltic, and consting trades. Ifut such vessels have becol to a large cxtent superseded by serew steamers, though those that remain, especially in the coal trade, are very inferior, and in too many instances unseaworthy.
'I'he renler will tind, in the articles Navig.stion Laws, and Regastivi, an account of the privileges enjoyed by British slaips, the conditions and formallties necessary to tho observel in order to nequire and preserve those privileges, the mode of transferring property in ships \&c. And in the neticles Chaitehepaty, Finigiot, Masteha, Ownebs, Seamen, Shawoitiy \&n., the law with respect to ships and shlpowners, is thelr enpacity of carriers or public servants, and the reciprocal duties and obligations of the masters and crews, is pretty fully expounded. In this place, therefore, we shall content oursclves with laying before the reader some official statements exhibiting the progress and present magnitude of the mercantile navy of Grent Britain.

Increase of Shipping in Eingland.-It would be
to no purpone, even if our limits permitted, to enter into any detaila with reepect to the shilpping of England previously to the Jevolution. Thow who wish to exnmine the suliject, will flnd move of the seatecred noflees of contemporary writer collected by Anderson, in hla chromodipicul Hintory of Commerce. 'The mercantlle nary of Pingland ilrst becmme considerable in the nid, it of Ellizabetly and gradually Increanel under het succesmors, Jumes I, and Chinrles I, At the heo atorntion, the Britinh shippling cleared out waris nmountel to \(95,2 t i 6\) tonas but anch wan the incerave of uavigntion during the relgna of Charles II, aint Jamer II., that, at the Revolution, the lritioh shipa cleared out warlas amounted to 190, bais thas 'The war terminated by the treaty of liyswlek, in 1697, checked this progress. Ihit commerce and navisation havo ateadily advancel, with the eso ception of two short perliala during the war of lise nud tho Amerienn war, frobs the begining of lat century down to the present tay,
'The first really authentic necount of the mamio tude of the commercial nuyy of Finglayt is obtained in 1701-2, from returns to circular letters of the Commissioners of Customs, ixaued in Jnumary of that year. From these it ajpeats thsi there belonged, at the perionl in question, to all the ports of Fingland nud Wales, \(3,2 \times 1\) vespels measuring (or rather estimatel to measure) 26 ,."., tons, nud carrylng 27,196 men and \(\left.5,60^{\circ} 1\right)\) guns Of these there belonged to
\begin{tabular}{|c|c|c|c|}
\hline Porto (1:01-2) & Venes: & Tons & Sim \\
\hline Lindon - & 869 & 81,848 & 10,03s \\
\hline  & 1858 &  & 8, 13 \\
\hline Prerer & 111 & \%,107 & 984 \\
\hline full & 115 & 7 7nif & \(1 \%\) \\
\hline Whithy & 110 & \%,69] & \\
\hline Start minouch & 31020 & A,619
C,R60 & \({ }_{\substack{1,01 \\ 606}}^{1,00}\) \\
\hline
\end{tabular}

None of the other ports had 100 vescels ; and there is some mistake in the returns as to the tomuage asslgned to Neweastle nud lpswich. of tho IIull vessels, 80 were nt the time laid ug which accounts for the small number of men in that port. (Macpliersen's Annals of Commere, anno 1701.)
'Ihe 'l'able No. I, following, of the British and forcign shipping cleared outwards from lisis : 1811, both melusive, is taken from tho last edition of Chalmers' Compuarative Fistimate. It gives a very complete view of the progress of the uarigation of the country; and from the atteation pailly the nuthor to such subjects, and the facilities which his situation in the board of lrade gare for aequiring nuthentic information, its accurcy may be dependel on.
I.-Table of ships Cleared Outurards from 1663 to 1811.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline Years & Hricts? & Forelign & Tot 4 & + \({ }^{\text {ea }}\) & Brilish & Foreign & Total & Yeary & Bridsh & Foreigm & 7xi \\
\hline & ns & tons & t013 & & & & tons & & & & 1,276, til \\
\hline \(\left.\begin{array}{l}1663 \\ 16659\end{array}\right\}\) & 9.9,266 & 47,631 & 114,900 & 1760
1761 & \(50,20,411\)
682,020 & 107,437 & 647,978 & 1785 & 4,115, 1248 & \[
\begin{aligned}
& 181,197 \\
& 1.51,200
\end{aligned}
\] & 1, \(1,45,4]\) \\
\hline 1584 & 190,533 & 95,267 & 28.5,800 & 1762 & 513.141 & 1<1,9\%6 & 668,370 & 1784 & 1,111,689 & 124,992 & \(1,500.6\) \\
\hline 1697 & 141,461 & 1100,324 & 2.14,i8s & 1763 & 6,31,74, & 91.593 & \(7<3.317\) & \(17 \times 9\) & - 51510 & 103,74\% & 1,614;0 \\
\hline 1760
1701 & & & & 1764
1765 & 664.434 & 79,900 & 712,414 & 1790 & 1,4y1912 & 144.919 &  \\
\hline 1701
1704 & 273.603 & 4.,6.35 & 317,388 & 1765 & 726,402
734081 & 72,415
66,153 & 798,617 & 1791 & \$ \({ }^{1} 11,2168\) & 171,749 & 1, \(1,30,3 \times 3\) \\
\hline 1701 & 213,693 & 4.5,62.5 & 299,318 & 1767 & 745,435 & 6A,006 & 793,441 & 1793 & 1,210,202 & 187,0\% & 1, \(1,2,21\) \\
\hline 1712
1713 & 546,620 & 29,115 & 355,735 & 1768 & 761,746
805,305 & 77,984 & 8893780 & 1791 & 1,584,168 & 218077
342567 & 1, \(1,041.017\) \\
\hline \(\left.\begin{array}{l}1713 \\ 1711\end{array}\right\}\) & 421,131 & 26,5i3 & 148,004 & 1769
1770 & 803,303
806,495 & 68,480
63,176 & 873,785
869,671 & 1705 & 1,14.5,150 & 3h4, \({ }^{\text {a }}\) & 1,730\% \\
\hline 1713 & 121,132 & & 488,00 & 1771 & 877,004 & 66,499 & 913,902 & 1797 & 1,103,781 & 31\%, 271 & 1, 100008 \\
\hline 1725 & & & & 1778 & 923, 456 & 78.931 & 996,387 & 1798 & 1,319,151 & 365,719 & \({ }^{1,764}\) \\
\hline 1767
\(178 \%\) & 432,832 & 23,, 531 & 456,483 & 1773 & 874.421
401,016 & 37,998 & 934,113
\(\mathbf{9 6 9 , 4 1 / 3}\) & 1799
1800 & 1,304,351 & 685, 11.051 & 1,150, \\
\hline 17356 & & & & 177.5 & 882,579 & 68,034 & 954,615 & 1801 & 1, \(1 \times 15,174\) & not, Man & y, 500 , 5101 \\
\hline \(1137\}\) & 476,911 & 26,627 & 503,5fis & 1776 & 874,108 & 74,323 & 946,431 & 1802 & 1,626,966 & 461,723 & \(1 \mathrm{dan}, 5 \mathrm{Sy}\) \\
\hline 1734 & & & & 1777 & H27,047 & 104,638 & 949,705 & 1403 & 1,13, \(1 / 166\) & 514.54 & y,utims \\
\hline 17397 & & & & 1778 & 738, 3 \% 8 & 93,778 & 826,731 & 1 NOS & 1,46, 2888 & 587,319 & \({ }^{2}, 101, \omega^{2}\) \\
\hline 1716) & 384, 191 & 87,200 & 471,431 & 1779
1780 & 614,981
731,458 & 119,016 & 791,041 & 1803
inori & 1,493,403 & \({ }_{368,19} 6\) & \(2,031,12\) \\
\hline 1749 & & & & 1781 & 604,219 & 170,775 & 774,994 & 1818 & 3,421,103 & 631.910 & \({ }_{8}^{8.056,013}\) \\
\hline 17:0 \(\}\) & 609,798 & 31,786 & 661,184 & 1788 & 615.150 & 24.4 .88 & 816,506 & 1809 & 1,372,810 & 244,15 & 1,85, 1 \\
\hline 1731 173 & & & & 1783
1788 & 865,967
\(932, \% 19\) & 170,93\% & 1,037,915 & 18189
1810
1810 & 1,131,139 & 1,188,547 & , \\
\hline 175.56 & 496,454 & 76,156 & 572,710 & 17.5 & 1,074,862 & 107,181 & 1,188, 316 & 1811 & 1,50i,35i & 1,646,437 & \(8,203,83\) \\
\hline 1357) & & & & & & & & & & & \\
\hline
\end{tabular}

SHIPS, SHIPPING
1218
11,-An Aconunt of the Total Number of Vesuels Finguged in the Foreign and Cuhmind Truth of the United Kinga, m, with the Amount of their Tinnmege und the Number of Men and Iloy: employed in Nariguting the atme, that Eintered Inueards from all Purts of the Worhl, in the sreceil Sears from IHIA to 1812, both inclusire, distinynishing British from loreign,
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Ywars} & \multicolumn{3}{|c|}{Jiritah ant Jisth Vescela} & \multicolumn{3}{|c|}{Forvigo V'onela} \\
\hline & Vemeir & Tons & \(\mathrm{M} / \mathrm{n}\) & Vesueti & Ton* & Men \\
\hline 4nis &  &  & \[
\begin{aligned}
& \text { M, } 3,793 \\
& M K, i n t
\end{aligned}
\] & 8,286
8,111 & 349, 3478 & \begin{tabular}{l}
37.575 \\
41,19x|
\end{tabular} \\
\hline lxal & 11, \({ }^{\text {and }}\) & 1,9614,0011 & (16), ins & 3,174 & 17, 1811 & y1, \\
\hline 14. & 13.03 & 4,143,317 & 143,0\%4 & 0,191 & 9 90,312 & by, 7 y \\
\hline 14\%1 & 13,314 & y, 1040,048 & 148, 101 & Sb, 381 & 754, 4\%8 & 41,671 \\
\hline \({ }^{14.15}\) & 11.148 & y y, & 48,6207 & 6,198 & H71, mo, & 77, \({ }^{40}\) \\
\hline H.3.1 & 13,119 & y,143, 41 & (10), is\% & 8,903 & ficy, ins & 41, ¢1 \% \({ }^{\text {a }}\) \\
\hline 1 n .19 & \$3, 319.7 & y, \%\% & 1817,787 & 8,491 & N.1.1,915 & 48, \({ }^{197}\) \\
\hline \({ }^{1813}\) & 11, \({ }^{19} 17\) &  & 138, 1.488 & 8, 8,131 & W6ti.913) & 47.131 \\
\hline 1475 & 1.1,153 & yfiti, in & [14, 119 & \%isis & 1, M1, & \(5{ }^{51,778}\) \\
\hline 14.34 & 16.119 & \%,7m. 510 m 7 & 1, 51, 19 & N,077 & 1.21. 1 , itifi & 64, k91 \\
\hline [1419 & 17,6,4.33 &  & 170,1319
174,414 & 110,38 & 1, \(3.11,363\) & \({ }^{7} 4.9 .304\) \\
\hline \(|\)\begin{tabular}{l|l|} 
\\
181
\end{tabular} & 18.545 & 3,361, 311 & \% 178.6917 & Mru7 & 1, wilt, 1 & 81, \(3,0.318\) \\
\hline .44t & 15,407 & 3,201,745 & 174, ¢x \({ }^{\text {a }}\) & N, 11.11 &  & 64,454 \\
\hline
\end{tabular}

111,-A" Arcount of the Number of Vessets und of' their 'Tonuage, Huilt and Ilegistcred in, amil belonging to, the different Porth of the Mritish Pimpire, from 1 s? \({ }^{\circ} 9\) tu 185\%, both inclasite, and ulse in 1867, nue figing the Number uf' thrir Creurn, aniol distimpuishing between those of the British Ishurls and luasessions in Eiurope and those of the Culoules.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Seas} & \multicolumn{6}{|c|}{Vemelis buill and rrinstered} & \multicolumn{7}{|c|}{} \\
\hline & \multicolumn{2}{|l|}{t'mited Kinge donn mid Ponsensionia In k:инир} & \multicolumn{2}{|r|}{Coulmies} & \multicolumn{2}{|c|}{Tutal} & \multicolumn{2}{|l|}{United Kingliom and ''oswewathss II. Euroge} & \multicolumn{2}{|c|}{Culonie*} & \multicolumn{2}{|r|}{Total} & Cricw \\
\hline & ship & &  & (11, \(\mathbf{x}^{3} 5\) & (th1pm & &  & & \begin{tabular}{l}
\({ }^{3}\) bligu \\
\(3 \cdot 174\)
\end{tabular} & & & & \\
\hline 1419 & \({ }_{1}^{1080.5}\) & 171, 17,11 & & m1, 215
\(0 \times 719\) & & 211,121 & Y10, 171 & \(y, 320,517\)
\(y, z 11,59 y\) & \[
\begin{array}{ll}
3 & 17! \\
\hline
\end{array}
\] & Y11, M75 & 41,2417 &  &  \\
\hline 19.01 & \({ }^{7}\) & 9x,171 & 4.31 & 34,176 & l,is: & 11,617 & Hin乐 & \(x^{4,41}\) & 4, ¢194 & 3fis, \({ }^{\text {a }} 76\) & 46,34. &  & 161, \(\mathrm{man}_{6}\) \\
\hline \(1 \times 11\) & W, 6 & 10x, 710 & 4.3 & \(3^{3}, \mathbf{y} 17\) & 1,211 & 15N, 587 & 19,973 & 2,312,38 & 3,1931 & 103,748 & y 10163 &  & 164,06) \\
\hline 14.5 & 915 & 14,0\%2 & 4.53 & 6,3, \(2 \times 3\) & 1.371 & 1M6,934 & 23,314 & \(4{ }^{4} \mathbf{3} 310,318\) & 5,311 & 483, 1, \({ }^{\text {a }}\) & \%3, 11 & 2,781,761 & 171313 \\
\hline :3, \(\mathrm{H}_{6}\) & 7103 &  & 411 & 64,7418 & 1,1,90 & 1.30, 40 & 20,3848 & y, 319, \({ }^{2} 49\) & 5,120 & 4, 12.497 & Y5, \({ }^{\text {d }}\) &  & 171,6.37 \\
\hline in \({ }^{3} 7\) & 1.1415 & 138, \({ }^{168}\) & Stir & 71,316
70,917 & 1,515 & 407,2x4 & 20,536 & 4, \(4,1,3,5759\) & 3, \({ }^{5}\) & 4, 69.412 &  & 2, \({ }^{2}\) & \({ }^{178,306}\) \\
\hline 1939 & 1, 1774 & 166,9413 & 70.3 & lig, mis & liani & 24a, \(9<8\) & \$1,07\% & 2,371, 1.35 & 6,175 & 5192,794 & 87,71. & 3, \(14.8,173\) & [195, यk, \\
\hline 1×10 & 1,15 & צ 41,401 & 711 & 43, \(4 \times 4\) & y, 419 & \(36.3,312\) & Ydatist &  & 6,304 & 813,276 &  & 3,311,434 & 8111334 \\
\hline 1411 & 8,196 & 169,3019 & \({ }^{668}\) & 32,8.17 & 1, Mfil & 304,166 & 23,161 & \% \(9.93,189\) & 6, \({ }^{691}\) & 577,081 & 34,013\% & \(3{ }^{3}{ }^{3} 16,1412\) & 81101 1/w \\
\hline 10.4 & 971 & 1.33,273 & 5.58 & 75,6472 & \(1.5 \% 9\) & 208,937 & 21, 0.54 & 3,011,420 & 5,Nfil & 87\%,4.30 & M \(0,51.3\) &  & 141, 117 \\
\hline laid & \({ }^{3} 36\) & 43, 473 & dy & 65,901 & 1,7.16 & 11, 279 & \({ }^{2} \mathbf{4}, 5,494\) & 3, 1107,381 & 7.1485 & & 31,983 & -3,348,357 & y 13,1177 \\
\hline 1411 & 731 & 98, 76 & \({ }_{6} 8\) & 6i9, \({ }^{\text {ch }}\) & 1.416 & 166.713 & \%1,01f & 3,14, \({ }^{1 / 58}\) & \(7_{7}{ }^{394}\) & \(592,4.34\)
\(5060,4.1\) & \({ }_{31}{ }^{12414}\) & 3,6,37,2.31 & y16, \\
\hline \(1 \times 13\) & min & 181,919 & 7.85 & \%19.696 & 1,524 & \%11, 1.516 & 81,388 & \(3,14.178\)
\(3,190,785\) & 7,349 & S06, 47.187 & 31,417
\(34,10 \cup 5\) & 3,711,161 & 248,504
\(y 69, y 76\) \\
\hline 1486 & \(x_{4 \times 1}\) &  & \(7{ }^{7}\) & 1.h, 0,313 & 1.757 & 3, \(319,4.37\) & \% \(5,2 \times 10\) & 3, 3171971 & 7,7\% & 644, 6103 & 3x,944 & 3.959 .581 & \%\%\%, 29 \\
\hline 14 & hin & (4, \({ }^{\text {a }}\) 111) & 65. & 101,94. & 1.33 .3 & 217,9ys & 43,6.18 & : \(1,4040,905\) & 8, 11.31 & 6.14351 & 33,674 & 4,0.24, 160 & \(8.36,1069\) \\
\hline 1.19 & 711 & 121,266 & 0.91 & 183, 84, \({ }^{\text {a }}\) & 1,418 & 243,130 &  & 3,484,954 & 8,184 & 6.54,1.57 & 31, 10310 & 1,114,115 & 8.17, 971 \\
\hline (\%) \({ }^{\text {a }}\) & 7\% & 157,531 & 214 & 121,0,3 & 1,4311 & ybis. \({ }^{\text {d }} 3\) & 4S,977 & \(3,505,133\) & 8,311 & 6,67, Hx 9 & 31,2h4 & 4,23.3, 162 & 239,8n3 \\
\hline 10, 1 & 708 & 134, 16.1 & 316 & 182,576 & 1,418 & 273,139 & 26,113 & 3,6fis, \(\mathbf{H}_{6}^{6}\) & \({ }^{\mathrm{N}, 201}\) & 669781 & 31,244 & 4,33 2,01085 & Y10, 18, \\
\hline 10s) & 712 & 170, 24 & 677 & 418, \({ }^{1549}\) & 1.419 & 318.301 & \({ }^{2}\) &  & \$3,316 & 665,111 & 31,412 & 4,420,312 & \({ }^{2} 13.31212\) \\
\hline lnst & \({ }_{810} 10\) & 2017,238 & 74.3
\(75 \%\) & \({ }_{1 \times 2}^{5,3,298}\) & 1,siss & \({ }_{3 \times 9,973}\) & - 46 &  & 8, \({ }^{8,101}\) & 7, 798.518 & - \({ }^{35}\) & 4,761,122 & 263,496
246,191 \\
\hline 193 & 1,140] & - 34.7041 & 711 & 164,968 & 1,470 & 494,06\% & 25,914 & \(4,210,3,31\) & 9, \(0_{0}, 15\) & (4)1,\%19 & 35,6\%2 & 3,2.4, & 861,19: \\
\hline in 06 & 1,18t & 417,976 & 691 & 175,614, &  & \(4 \times 3.496\) & 46, 177 & 4,3616,156 & 9,4.1.3 & 915,480 & 36, 012 & 3,313,4.75 & 417,573 \\
\hline ansi & 1. 221 & 43, 0 , 5 , 7 & 741 & 167,910 & 2.015 & 423,177 & 27,097 & 4,5.5N, \({ }^{\text {d }}\) (14 & 9.917 & 980, 111 & 37,014 & fr, 14.181 & \% 41,135 \\
\hline 14, 1 & 1,18s & 274,358 & 778 & :38,5\%4 & 1,963 & 413,180 & 28,773 & 3,733,073 & 11,911 & 1.431,313 & 41, \(1 \times 1\) & 7,2119,314 & 316.779 \\
\hline
\end{tabular}
S.ll-The falling off in the number of ships or otherwise destroyed: so that a good many ships atter \(182_{j}\) is apparent only. The numbers re- were at all times on tho register, which, in fact, turned in the previous years wero those that dil not exist. The Registry Act pussed in 1826 appeared on the registers. But a ship when once obliged all owners of ships to register them nnew; pheed on them, remained till evidence was pro- when, of course, the names of those that hat dued of her having been sold to foreigners, lost, ceased to exist disappeared from the books.
IV-Acrount of the Tintol Tonnage of British and Fireign Vessels, from 1840 to 1807, buth inclusitr, distinguishing between euch, Eintered und Cleared, whether with Curgoes or in Bullast, ut Ports in the Inited Kingutom.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Years} & \multicolumn{3}{|c|}{Entured} & \multicolumn{3}{|c|}{Cleared} & \multicolumn{3}{|c|}{Total} \\
\hline & Brilish & Forilgn & Total & Britith & Forelign & Total & British & Foreign & Total \\
\hline 140 & \(\xrightarrow{\text { T005 }}\) & \begin{tabular}{l}
toins \\
1,4611,491
\end{tabular} & \[
4,657,795
\] & \[
\begin{aligned}
& \operatorname{lon} 8 \\
& \times, 29 y, 084
\end{aligned}
\] & 1,4NN,NMS & \begin{tabular}{l}
tons \\
4, \(\mathbf{7 1 1}, 672\)
\end{tabular} & \[
\begin{aligned}
& \text { Jonn } \\
& 6,4!0,14.5
\end{aligned}
\] & & \\
\hline +141 & \[
3,196,561
\] & \[
\begin{aligned}
& 1,461,491,491 \\
& 1,491,169
\end{aligned}
\] & \[
\begin{aligned}
& 4,167,790 \\
& 4,65 y, 376
\end{aligned}
\] & \[
\begin{array}{r}
398,084 \\
3.499,479
\end{array}
\] & \[
\begin{aligned}
& 1,4 \mathrm{NN}, \mathrm{NKS} \\
& \mathbf{1}, 36,9,92
\end{aligned}
\] & \[
\begin{aligned}
& 4,761,672 \\
& 4,766,171
\end{aligned}
\] & \[
\begin{aligned}
& 6,4!4,105 \\
& 8,796,(90)
\end{aligned}
\] & \(2,919,1 \times 2\)
\(4,0,25,1157\) & \[
\begin{aligned}
& 141,667 \\
& 116,547
\end{aligned}
\] \\
\hline 1814 & 3, 391,746 &  & 1,910, 194 & 3,375,400 & 1,ys4, 776 & 4,627,446 & 6,6fy, & 4,157,174 & 1,167,474 \\
\hline 14.9 & 3, \(31,2,46\) & 1,301,9.0 & f,447,296 & 3,630,4,13 & 1,341,4.33 & 4,977,266 & 7,181,179 & 2,613,7m.3 & 9, \(\mathrm{H} 44,564\) \\
\hline 1811 & 3,619,163 & 1,417,134 & 3,049,6i18 &  & 1,11,316 & 8,497,16is & 7,500;2m: & 2, 46,151 & 10,316,769 \\
\hline 1515 & \(4,310,6,59\) & 1, \(33.3,179\) & 6,013,718 & 4,235,431 & 1,796, 136 & 6,1031,547 &  & 3, \(3.31, \$ 15\) & 14,077,515 \\
\hline \({ }_{1}^{2186}\) & 1,291,383 & 3,404, 4 H2 & 6,101,015 & 4, 303,415 & 1.041, 196 & 6,314,571 & 6,68N,144 & 3,717, 383 & 12,815,586 \\
\hline  & 4,912,1:4 & \(4,853,989\)
\(1,960,112\) & 7, \({ }^{7} 95,038\) & 4,771,3711 &  & 7,087,163 & 9,718,164 & 4,566.732 & 14, 7 79, 196 \\
\hline ing & 4, 421010 & 4, 1935,691 & \(6,925,95\)
\(6,919,900\) & 4,781,087 & \(4,096,684\)
\(8,299,060\) & 6,780,6x1 & 9,y89,560 \({ }^{9,669,638}\) & 4,017,01)66 & 13,316,626 \\
\hline 1*0 & 4, \(14 \mathrm{k}, 199\) & 4,4(6),477 & 7,100, 776 & 4,748,343 & 4,66ix, \(\times 13\) & 7, 40.48 SN & 9,142,111 & 4, \(0668,5 \%\) & 11,500, 1 964 \\
\hline 1851 & 4, \(313 \mathrm{x}, 386\) & 8, \(4,3,3,704\) & 7,H74,091 & 4,44Y,903 & 3,245,611 & \(8,168,104\) & 9, \(8 \%\), NTB & 6,159,312 & 15,980,194 \\
\hline 143\% & 4,911, 963 & 2,952056 & 7,887,417 & 5,031,106 & 3,191,596 & 8, 418,702 & 9,9x. 9,969 \(^{\text {a }}\) & 6,1+1,1516 & 16,130, 149 \\
\hline 1835 & 3,919,313 & 3,487,763 & 8.943, 1166 & S, \%12, 960 & 4,231,121 & 9,117,104 & \(10,468,323\) & N, 111, 8187 &  \\
\hline (1434 & 3, 174.1811 & \(3,786,1015\) & 9,161,366 & 8,300,29H & 4,117,423 & 9,307.ay & 10,74, \({ }^{\text {N }} 19\) & 7,921, 488 & 18,6699087 \\
\hline \({ }_{1}^{1855}\) & 3,2711,9\% & & 8.951.439 & 8,544,910 & 3, \(4 \times 9,4 y 1\) & 9,331, 731 & 10,919,0.32 & & \\
\hline  &  & 4,162,419
\(4,6 \times 1,491\) & 16,353,171 & 6,5,38.1036 & 4,141, 859
\(4,463,197\) & 11,0.3,913 & \(18,915,771\)
13,691 & \(4,613,278\)
\(9,451, i 83\) & 21,589,019 \\
\hline 1*54 & 6, \(3,99,491\) & 4, \%42, 199 & 10,361,700 & 6,454, 204 & 4,896,1177 & \(11,31 \mathrm{H}, \mathbf{4 N 1}\) & 14,8! \({ }^{1}\), 4115 & 9,418,576 & y\%, \(219,9 \mathrm{yd}\) \\
\hline 1859 & 6,54, 6112 & 4.6.55, 810 & 11,261,924 & 6,786,731 & 4,953,606 & 11,682, 337 & 13,312,813 & 9,592,416 & 24,901,459 \\
\hline 1851 & 6,8,9,0019 & 3,2n3,776 & 12,174,783 & 7,045, 1 14 & 3,4911,593 & 12,516,507 & 13, \(01.14,423\) & 111,714,369 & 21.6 fixy, \\
\hline \({ }_{1}^{1866}\) & 7,741,133 & 3, \({ }^{19} 18,531\) & 11,179,389 & 7,699,4 47 & 8,716,53.3 & 13,416,058 & 15,440,3.32 & 11,175,109 & 46,59,641 \\
\hline (1n62 & \(7,856,6,39\)
\(8,130,146\) & \(3,231,451\) & 13,091,490 & \$,030.421 & 5,354,118 & 13,444,319 & 15,916,N60 & 11) 5488,579 & \(86,333,439\) \\
\hline & \%, \({ }^{\text {a }}\), 130,146 & 4,873,917 & 13,456,1163 & 8, 9438,446 & 4, 493,444 & \(13,482,670\) & 17, 11019,342 & 9,719,341 & 26,736,733 \\
\hline 1464 & \(9,028,100\)
\(0,62,53\) & 4, \(4 \times 6,911\)
\(4,694,451\) & 13,513, 1311 & 9,173,378 & \(4,515,943\)
\(4,4+3,6 \times 3\) & 13,669,498 & 18,201,675 & 9, 1162 2, 74 & 27,214, 3179 \\
\hline \(1 \begin{gathered}10+6 \\ 1067\end{gathered}\) & 10,i99,10x & 4,940,06ค & 13, 112,170 & 10, \(51.65,621\) & S,086,656 & 10,65,206 & 19,3, & 10,1486,784 & 31, 362,150 \\
\hline 1867 & 11,197,96.5 & 3,140,964 & 16,3314,817 & 11,172,210 & 3,245,0919 & 16,417,495 & 42, 370,070 & 10,356,042 & 34,756,112 \\
\hline
\end{tabular}
V.-Colonial Shipping.-A Return of the Numier and Tonnage of Sailing ant Steam Vessels Presented at each of the varions Ports of the Colunies of the United Kingdon, on December 31, 1867, distinguishing laticeen those under and above Fifty Tons Register, and between Suiliug and Steam Vessels.


VI,-A Return of the Number and Tonnage of Sailing Vessels Registered at each of the Porlu of Great Britain and Ireland, including the Isle of Man and the Channel Islands, distinguisiing those under and those above 50 Tons Register, on December 31, 1867. Also, a similar Retam of Steam Vessels and their Tomage.


istered at each of the Ports of Channel Islands, distinguisiing
1867. Also, a similar Rethm
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|c|}{Steam Vessels} \\
\hline \multicolumn{2}{|l|}{under 50 Tons} & \multicolumn{2}{|l|}{Above 50 Tons} \\
\hline els & Tons & Vessels & - Toms \\
\hline & - & 5 & 47 \\
\hline & 'is & \(\because\) & - \\
\hline & i1 & ..' & ." \\
\hline & \(\cdots\) & \(\because\) & "91 \\
\hline & 15
53 & 1
2 & थil \\
\hline & 363 & 27 & 3,0\% \\
\hline & '54 & \({ }^{*} 2\) & 296 \\
\hline & 606 & 5 & 133 \\
\hline & -87 & \({ }^{6}\) & 1,i73 \\
\hline & -89 & \({ }^{-8}\) & \% \\
\hline & \(\square\) & \({ }^{\circ} \mathrm{P}\) & \%0n \\
\hline & 175 & 1 & 1310 \\
\hline & "92 & \(\ddot{2}\) & ist \\
\hline & 13 & . \({ }^{\prime}\) & " \\
\hline & 21 & -. & ". \\
\hline & 29
17 & \({ }^{6}\) & 1,1818 \\
\hline & . 7 & \(\because\) & \(\ddot{0}\) \\
\hline & 145 & -3 & \(\mathrm{CO}_{61}\) \\
\hline & 143 & 11 & 2.510 \\
\hline & 169 & 11 & 6,138 \\
\hline
\end{tabular}

VII.-An Aecount of the Number of Vessels, with the Amount of their Tornage, and the Tum ber of Men and Boys usually employed in Nuvigating the same, that belonged to the severa Ports of the British Empire on December 31, 1864, 1865, and 1866, respectively.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline Poria & \multicolumn{3}{|c|}{1864} & \multicolumn{3}{|c|}{1865} & \multicolumn{3}{|c|}{1866} \\
\hline England & vessela
8 2,113 &  & \(\mathrm{men}_{195}\) & vessela
\(4 \geq 2.238\) & \[
\underset{\substack{\text { tonn } \\ 4,63,9,911}}{ }
\] & \(\operatorname{men}_{199,736}\) & vessel/ & 4, \({ }_{\text {tong }}\) & \(2 x^{2} 81\) \\
\hline Ficolland & 3,417 & 723,817 & 35,688 & 3,131 & 766,975 & -36,073 & 3,442 & 781,450 & 36,31 \\
\hline 1 reland & 2,197 & 245,609 & 13,911 & 2,139 & 816,087 & 13,887 & 2,209 & 245,166 & 13, 911 \\
\hline 1sies of Guernaey, Jer- & 80.5 & 81,622 & 3,747 & 919 & 93,436 & 8,0.58 & 899 & 8: 387 & \\
\hline Britisl l'lontations & 12,233 & 1,475,761 & 90,431 & 12,477 & 1,562,295 & 91,369 & 11,911 & 1,518,617 & 94,its \\
\hline Total . & 40,819 & 7,113,261 & 311.449 & 41,261 & 7n324,6114 & 3.50,112.3 & 41,912 & 1,497,981 & 316:氵i9 \\
\hline
\end{tabular}
VIII.-An Account of the Shipping employed in the Trude of the United Kingdom, exhibiting the Number and Tonnage of Vessels that Entcrod invards and Cletred outurards (including their \(r\). peated Voyages), separating British from Foreign Vessels, and distinguishing the Trade trith euch Country, in 1867.

IX.-A Return of the Number and Tonnage of New Vessels built in the United Kingdom, and dt each of the British Possessions respectively (distinguishing Timber from Iron, ond Sleam fror Sailing Vessels), and Registered as British Ships, in the Year 1867.

eir Tonnage, and the Numthat belonged to the several 866, respectively.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|c|}{1866} \\
\hline vesmels & cons & me \\
\hline y 2,441 & 4,661,094 & \$20.3n \\
\hline 3,429
4,809 & 815,166 & - 15,511 \\
\hline 899
11.911 & \[
\begin{array}{r}
8: 5527 \\
1,518,617
\end{array}
\] &  \\
\hline 40,912 & 7,297,981 & 316:799 \\
\hline
\end{tabular}
nited Kingdom, erriiliting the d outwards (including their re. distinguishing the Trade with

lt in the United Kingdon, and at Timber from Iron, and Slan the Year 186 I.

X.-.fconnt of the Number of Vessels, with the Amount of their Tonnage, that were buiit nud regisiered in the sercral \(\dot{1}\) 'orts of the Mritsh Empire in 1865 , 1866, and 1867, respectively.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline lorts & \multicolumn{2}{|c|}{186's} & \multicolumn{2}{|c|}{1466} & \multicolumn{2}{|c|}{1867} \\
\hline & vessels & trin, & \[
\begin{gathered}
\text { veswels } \\
9 \%
\end{gathered}
\] &  & vexals & \({ }_{1}^{1 / 56,2 \times 7}\) \\
\hline Endand : & 1,011 & 106, 3 \%il & 2495 & 110, 2686 & \(2!19\) & \(10^{\text {10, }}\) \\
\hline Irland - & 33.1 & 9,.788 & 38 & K,0pt & 27 & 10,273 \\
\hline  & (3918 & 24.,56) & 38
896 &  &  & 138,4.2 \\
\hline Ditith T'ntul - & 2,327 & \(4.31,514\) & 2.250 & is12, 2.3 .5 & 1,663 & 113,180 \\
\hline
\end{tabular}

Ship-building.-Sunderland, London, Glasgow, Sewetstle, liverpool, Itull, Yarmonth de. are the principal building ports. The busiuess has incressed with extrnordinary rapidity at Sumderland: so much so that while only 60 ships, of the lundeu of \(7,060 \mathrm{t}\) ons, were built in that port in \(1821)\), no fewer than 152 ships , of the burden of 68,49 tons, were built in it in 18i\%3, aud 1.58 , of 50,168 tons, in 1867 . Ships built in London, Liverpool, lristol, und other western ports, are, however, pa bigher esimation than those built in the Tyue and the Wear, at least for those bramehes of trade where the best ships are .equired. We subjoin
An Aecount of the Ships and their Tonnuge anually buit in Sunderland in vorious Iears since \(184 \%\).
\begin{tabular}{|c|c|c|c|}
\hline Vears & Shij \({ }^{\text {s/ }}\) & Tons & A verage Ton* \\
\hline 1818 & 114 & 37, 878 & \(26.6{ }^{\text {d }}\) \\
\hline 1819 & \(1 / 53\)
158 & 44,3,3, & 286 \\
\hline 18.818 & 1,66 & 51,923 & \(315{ }^{4}\) \\
\hline 1912 & 142 & S6,64, & 3987 \\
\hline 1833 & 151 & \({ }^{6} 6.969\) & 415 \\
\hline 1855 & 151 & 61,159 & 4105 \\
\hline \({ }^{1556}\) & 154
143 &  & \(3 \times 5\) \\
\hline : 358 & 110 & 42,1003 & 3412 \\
\hline 1867 & 158 & 30.068 & 362\% \\
\hline
\end{tabular}

Within the last 20 years the building of iron ressels has been immensely extended on the Tyan, the Wear, and the Clyde; nud although the latter still maintains the lead, the former places have made extraordinary strides since 1859 . In 1853-4, when we became involved in the Russian war, a very great impetus was given to the construction ot jron screw steamers, which has licen fully maintained; and although the shipping iuterest sinee then has passed through more than whe period ot much depression, there has been no retrogression in the numbers annually launched of that particular description of vessels.
State of the Shipping Iuterest in 1869.-When the 1859 edition oi inis wouk was published the shipping interest was very de ressed, as it is at preseat. The cessation of the llussian war, by patting an end to the extraordinary demand for thip for the conveyance of troops, was followed in immediate fall of freights. And though is fall was in part, it was not wholly, counterai! by the demand for ships to convey troops 0. (tia to quell the revolt of the Bengal native ar.iy. Concuriently, too, with these circumstances, the revulsion which at that time took placu in the trade with Australia disengaged a considerable number of ships, while the vast additions made by the Anericans, Norwegians, Danes, Swedes, Dutch \&c. to their commereial matine contributed still more, by increasiug competition beyond the demand, to lower the rate of treight.
But iadependent of these transitory encimstance, we apprehead that the grand cause of the depression of the shipping interest in this country especially, is to be found in the too great increase of shipping. The truth is, that shipbuilding is periodically completely overdone. It should be borne in mind that in consequence of
the more extensive employment of steam ships in the consting and oversea trades, the same anount. of tonnafe performs a much greater amount of work. 'The mere substitution of steam for suiliag ships, thongh there had been no increase of tonage, would have been really equivalent to a large addition to the latter. inasmuch, however. as both the proportion of steam ships to the total tomage and the amount of the latter have greatly increased, we need not be surprised at the existing depression,
Sut there is no grombl for thinking that the latter will be permument. The contimued increaseof our trade will afford employment to a still increased amount of shipping; and the cheek given to building in the mean time will powerfully assist in bringing about ate desired equilibrium between the demand and supply.
Ever since we repenled our navigation laws in 1849 our course as a whote has been onwards, and with a rapidity of which we could have had ar conception previous to that time.
In 1841, when these laws were in full force, the number of vessels registered as belonging to the United Kinglom was 23,461, with a tonnage of 2,935,399 ; the number af men then employed was 152,341 . In 1851, when the navigation laws were abolished, the number of vessels fell to 18,184, but their tonuago had increasel to \(3,386,395\), while they were worked by t?e reduced number of \(141,937 \mathrm{men}\); but from the customs returns lately published we learu that in \(1867,40,9 \cdot 12\) vessels were registered in the British empire, requiring 346,606 inen, representing a total of \(7,277,098\) tons. Of this large mumber of vessels 27,918 belonged to the United Kingdom, 850 to the Channel Islands, and 12,165 to British plantations. A tutal of \(32,756,112\) tons of shipping cutered inwards and cleared outwards during the year. Of this amount \(11,197,68\) is tons British and \(5,140,952\) tons foreign entered inwards; and \(11,172,205\) british and \(5,245,090\) foreign cleared outwards.

Sume very important changes have since 1850 been made, and are yet in progress, in the construction of ships. They are now built of a much larger size thim formerly, of finer models, and with a power of sailing of which no just idea conld previonsly have beer formed. But in regard to size, as in most other things, we appear at one time to have run from one extreme into another ; and from being too small, our ships, and those of the Americans, became too large and unwieldy. And, speaking generally, they are now beiug built of a less, though still large, and more convenieut size than was customary a few years ago.

Even the Great Republic, built in New York about 10 years ago, thourli not one quarter the size of our Great Eastern, was found to bo muchin too large ior the ordinary purposes of commerce, and the sailing vessels of the United States of America seldom now excect 1,200 tons register. But while we have been moving unwards with astonishing rapidity, the merclant navy of that country, which at one time bade fair to exceed our owa, is now very little more than half of what it

Was in 1860, 'This remarkable tedine, though in the first'instance cansed by the lamentable civil war which broke ont in that rear, is in a very grent measure to te attributed to the high tarilla which have recenly beell imposed mon ahmast avery artield remuirad for ship-building purposes; ani undess the United States revert to th policy of Ireo made, they ean never again hope to rival this comatry in its maritime commeree.
Proni alips are also, ans pireviously atated, and axhibited in 'rable id., very extemsively comstructed; and ships are now frequently tithed out wish serews and stemm enimes to be used mily and a subsidiary power in calme, and against cont rary winds.
Most sorts of short passage fraflie alde bow carried on bey strabsers ; ald it is promikhe that in the and they will engross the greater gart, of the coasting tride of most comatries and of tho trade betweren formign combtrids adjatent to earh other.
 improved dass of sailing shipes have little to lear from the eompertition of stemmers in all the nore instant branches of' trade. 'Ihis, however, womld iqpear to be very donbtinl.
Statements of shipurorers, -It will mot exeite the readeres surprise to be told that a preat many arade properes lase beren put toryerd in the view of removine the distress to which nhipowners have heen priadically suljeeted. Hut it mast be left to lime and to the eflorts of the parties comerned to sed it to rights. It would be mueh worse than useless to aftompt to improve their situation by agragiag in retaliatory procedings ngainst spmin and those combries that lay diseriminating daties on articles. weyed to them in fereign ships. Such proeedings wonld sorionsly injure oursolves without havinis any tavourable inthence over the foreigner. Certainly he will mot almodon the protective system becanse we romplain of its operation, though that might very probably tempt him to extend it still further. But there ean be little doult that he wiil eventally renonare it, when he sces that our commerce and shipping despite the temporary checks to whichath dopart ments of industry are necesmarily linble, have vastly inereased under a freeand liberal system.

Besides their rasonines in favour of coercive measures, it has been the habit of shipowners to put lorthstatements inteaded to show that shippers omly profit by a fat in tho rate of freight, and that its reduction redomeds in tho degree to the advantage of the consumers. Suppose, foillu. trate this eximordinary statement, that the freight of the barrel of thoir frous New York to Liverpool renerally amomits to ss . or l0s., but that it falls, from some camse or other, to 1 s . . the shipowners contend that the exporter will pocket the whole of the ditlerence (9s, or \(7 s\). ) between the high and the low rate of Irciorht, and that the British public will in no wise protit by the till. And such wonld be the case for the moment; but it is not possible that the exporter should continue to moy an advantage of this sort for any length of tine: for the fall of freight, by adding so much ( 9 s , or 7 s , per barrel) to the protits of the s!ippers of thomr, would give such a stimulus to its exportation, and create so much competition in the trade, that its price would forthwith fall in Enghand. And there can be no manner of toubt that it would continne to fall till the New York shippers realised only the same protits that are realised by the shippers of other articles either foreign or coastwise ; that is, till the price of flour has been reduced \(7 s\). or \(9 s\). pier barrel, or freight has risen to that amount, or till the equalisation has been brought about partly in the one way and partly in the other. To
suppose it shombld be otherwine is to suppose what is evidemly contrudictory und absurd. The prie of artleles not comsmed on the spot where Alay are prodaced is made up of the cost of their proklaction and earriare; and may rednetion of the latter which is not momentury guly, bias preeisely the same indlunce over the price of an artide as if the expmase of proshering it were diminished to the same extent. Gore rady ferlo ashamed to have to state what is so very oivenote. It is not creditable to the shipowners thet they put forth statementes so palpubly alowird as that now referred to. 'They can hardly fail; one shomb think, to be themselves aware of their fithary: amd they comat tow muel upon the igmoramer others if they mpmose that they will not heapise ciated at their exaet value.
Sines the last edition of this work was published, it has afforded us no ordinary plemsure t. note that our shipuowners, instemi of relaneming for a restoration of protertion, have in mast instances, and with great shecess, set fowork to adapt their vesseds to this altered gositions and are now producing a clase of vesuble vasher mo perior to any we hithorto possessad, and with which we need not fear to comperte with the veseds of all other mations.

Frame too has followed our examble in free mavigation; and in serking to elfert this danse no one was more zealons than Mr. W. S. I imlsar, lormerly M.J. for Sundertand, and himodl it axtensive shipowner. Ser his lether to the finperor of the l'rench, printed as a l'arlinmentary liper.
11. Ctassmeatun or sums.
'To insure a ship on right principles, or in suma way that the preniam shat be the fiair mivalate of the risk, is no ensy mater. The rata dymuk partly on the condition of the ship and the rapatity of the master nad crow; harsly on the ambe of the eargo she has to take on board; and purth on the voyage she has to perform. The last two ciremustances diselose themselves, and their inthene may he appreciated, at least with suthicent arenracy for practical purposes, withont ans dillientit : but it is tar otherwise with the enfdition of the ship, and the capacity of the mater and crew. It is essential to the illjusting of an insurance on fair terms, that these slumid be known; and it is, at the same time, exceedingly dillienlt to acquire any accurate information with resject to them.

It is plain that there is but one mode in which anything satisfactory can be learned with respent to the combition of ships, and that is. by their inspection and expmination by persobs of competent information as to such mitters. To appin a just character at tirst, a ship should be repeatelly survered while she is being built ; and to it 7 hercondition at any subsequent period, sume of the planks should be tiken off, and her hull and rig. gitur subjerted to a thorough examination. This is the cilly method to be followed if we wish to arrive at results that may be safely depended on The age of a ship should not he orestunct in estimating her condation; lint it is a dierion that, taken by itself, is worth scaredy auythitu. There is the greatest possible dillerence in the materials of which diflerent ships are buill, and in the way in which they are built, and in the wear and fear to which they are exposed. Some are so very bad, that they are almost unseavorthe on their lirst voyage; others, will dilliculty, last for 3,4 , or 7 years ; and others, ngain, runf for 10 15 , and even 20 years, and upwards, with but little repair. It may be presumed that the eon-
arwise is to supjose what ry and alsauril. 'lhe price onl the sjest where they up of the cost of their ra; tumd ant reduction of wot momentiry only, has arnce over the price of an nse of proditeing it were? extent. Onc rablly ferly to what is so vory obsoms. the shipowners that they (1) paldunbly nlosiore an that - rati larelly lial one slond l ? tele byon the ighorabere of that they will aot le: appealue.
whe of this work was pubus no ordinary pheasufe to nerat, instenat of chanomint rotertion, have in mose inchl wireres, set to work :s 0 this alteral position, ath class of voscols vasily suitherto posmessert, and with forar to eonpute with tho tions.
Howed otir example in free serking tos elliert this dhate lous than Mr. W.s. limbar, Sunderlıun, and himedf it
see his later tu the fime , printed as a l'artianmatary

NICATHON OF SHIBS.
H rícht principles, or in sheha am shail he the fair muazanit asy matter. 'low ra, dypuls ion of the ship and the chmity crew; fartly on the nature of take on boarel; and partly on as to perform, The last two ose themselves, and their inthciated, at least with suthicent tieal purposes, without aty s far otherwise with the conind the capacity of the master ssential ton the aljusting of an terms, that these should be at the sume tine, exceedingy any accurate intormation with
here is but one mode in which ry can be learued with respert ships, and that is. by their mination by persons of competo suell matters. To acpuine irst, a ship should be repeatedly is being built; and 10 li 7 subsequent period, some of the aken ott, and her hull and rig. thorourh examination, This a to be fullowed if we wish to at may be sufely depended wh 1) should not be oveaturat in ndition; but it is a criterion llf, is worth scarecly anything. test possible dilference in the clitlerent ships are built, and hich they are built, and in the lich they are exposed. Sime at thev are almost unseaworthy ge; others, with dilhiculty, last ; and others, again, runfor 10 , years, and upwards, with but bay be presumed that the wh-
dition of shipss buile of similar materints, on thes same plan, and employed inthe sume ilopartuments of trade, will elepend muterially on their nons. but a thonsand circumatantes conisjifos to defenc this presumption; and it would le ladicrous to suppose that it whomd apply at all in the eave of ships constructed of dificrent minterials, and engngeoi in ditterent lines.
Jht, notwithastanding tho eriturimu of age is thas rally worthless as a rule by which tar judgre of ship's condition, it is alnost the enly une that was referred to in this eomitry down to a late priod. From abont the year jotio, or perphapsis taplier, down to \(18: 31\), ships were arranged, by the underwriters at fleyed's, in elasses marked hy the
 ise former referring to tho luil] of the ship, and the hater to the rigering. \(\boldsymbol{A}\) ship marked \(\boldsymbol{A}\) I was in the highest class; that is, her hall and rigring were both declared to bo in the best condition; ships marked E 1 were in the next chas ; those marked I I were in the lowest availnble chas, or the class formed of such as were tit only for "arring' conds, or other fornts not liable to seat damage along the const; shipis marked () wore mensworthy. Jut to get into the higherst class, to examination of the ship, or hone worthy of the mame, was required. Unless some very ilarrant thet was obrious in their constraction, all shiti.i were entited, when nesw, to be marked in the highest clans; and they were entitled, whatereer might be their real condition, to stand in it for a cortan number of vears, varyins fromu 6 ta \([2\) areorling to the port in which they happened to he built. It is not easy to imagine anytiling more absurd than such a classitication; but the whole extent of the injury urising from it is not immediately obvions. The great majorily ut merchants and underivriters lave not, and conld wat be expected to lave, any persomal knowledge of different ships, and have nothing to trust to but the dhsified necounts. Suppose, now, that two ships were built at the sume time in London or any oher port; that one was constricted of the best materials, and in tho best way, while the wher was constricted of the worst materials, and in the most defective manner: these two shineu were placed side by side in the class \(\Lambda I\); tho underwriters, seeing them there, were ready, without fu!her enquiry, to insure them at the same premium, and the merchants wee for the same reasom, quite as willing to employ the one as the wher. A bounty was thus given on the construethon of what buve been called slop-built ships, or shins of an inferior class. For a half, or, at most, two-thirds, of what would be required to construct a soot and really sufticient ship, a shipowner grut an inferior vessel of an equal burden sent to sen ; tand, owing to the matehless absurdity of the syslen of classification, the inferior was placed in the same rank with the superior ship; enjoyed all the alvantages such distinetion could give; and was, in the public estimation, deemed quite as grood and as deserving of employment as the other. This has been a more copious source of shipwreck than all the currents, rocks, and fogs that infest our seas; but it was not the only one. At the end of a certain number of years, depending (as altendy stated) on the port where the ship was built, both the vessels referred to abave were legraded to the class E ; and yet it might hapgen that the superior ship vas, when so degradel, better eatitled to continue in the class \(A\) than the inferior ship was ever to bo in it. But even this does not exhanst the whole absurdity of this preposterous scheme; Ior, supposing that the superior ship had been so thoroughly repaired as
to bes at fom an the rlay she came of the stochs, and that the inferior ship lat got no repair at all, still they were both phaterl, side by wide, in the clase li.. Sllituanmals of all the maritime nations of the world, from the Pharnicinns downwards, limbind 100 example of a more perverse, 'obitraelistory, nnd absaril rerulatoun. 'Ilant it shonhlid luve existal anomgst us firr the gremter part of a 'rontury strikinuly excomplifes the jower of luatit tor proviure tol (ration lor the inost destructive prat:tises annl crrors.

It may be said, perliaps, that whatever systom of elassitiantion is alopted, there must bo fromt mumbers of inferior vessels ; for, though we did in.., torcigners would build them; and, being conine'quently able to snil them shenper, would drive ns tohally ont of atl trades in which they could como fiarly into eompetition with us. 'This is true; but provided ther be not engaged in the conveynace of jassengers, who ever thought of proseribing inferior ships, or of dietating to the shipowner what sort of ships he slould build, or to the merchant what sort lue slombl employ? We do not object te inferior ships, but wo do sbjeet to the sume character heing fiven to then that is given to superior ships. This is pract ising a gross frand upon the public, mad gives an unliuir and majust advantage to the owners of interior vessels. 'The interests of navigation and of limmanity imperatively reguire that ships should becorrectly elassitied ; that those that are mot seaworthy should bot be chassed with those that are, lut that. the realstete of cach slionlad be distinctly set lorth in the rerister, ant be made known to everrone. If this be done, the morchant and tho underwriter may be salely lelie to deal with them as they think tit.
In consegucme of the landable ex artions of Mr. Marshall athe other fentlemen, the attention of the principal merchants, shipowners, and underwriters dec of the metropolis was somo ycars aro tirected to this subject; thm in 182.1 a committe:e, consisting of represcutatives from these dilicrent bodies, was appointed tor engnire into and report on it. The committec collected a great deal of valuable evidence, and laid an able lieport before a rencral meeting of merchants, shipownors de. (nn Jume 1, 1826. We subjoin an extract from this Ikeport, which nore than beas out all that we hat'e stated:-

Fram the absence of nll control on the original construetion ol slips while building, and the impossibility of ascertaining, by any inspection after completion, their real fualisy, it appears to bo indisputubly proved, by an almost uniform conenrrence of testimony, that the ifst charactor, or A 1, is indiscriminately exteniled to shipss differing widely in strength, durability of materials, and all those qualities on which charncter ourght to be dependent ; that many ships to which the tirst class is assigned are decidedly inferior to others which are phaced, from lapse of time al me, in a lower class ; that many become totally unlit for the eonveyance of (lry cargoes, long before the expiration of the period during which they are entitled, aecordiner to the present nystem, to remain on the first letter, in which they are notwithstandinir continned; that instances are on record of tirst-elass ships which have been unfit from their origin lor the conveyance of dry eargoes; and some are declared to have been harelly it, when Hew, to proceed to sea with safety. One case is even adduced, in which, lrom ill constriction and insuflicicucy of fastening in a new silip, her insecurity was predicted, and she actually foundered on lier lirst voyage ; ind yet this identical vessel was ranked, according to the indiscriminate system [ursued, in the first class.
'Such, as respects new ships, appear ly the widence to be the proctical resalts of a system which, assuming to tlesignato by marks their intiinsic quality, provides no means of actunlly at certaining that quality ; but others, in ettiect, a premium for the building of inferine and insufficient ships, by the inducement it, holdy forth to frumduleat construction and by the quality of character it indiscriminately extends to the best and the warst ships built at the same port.
- Nor, your committee regret to have to report is the evidence of the errors, inconsistencien, and evils arising from the existing system, ns applied to olil ships, by any means less conclusive. lly the refinsal to restore character, in consequence of ripairs, howceer c.rensive, the inducement to maintain ships in an etheient state is removel; whist, from the absence of all regular provision for stated or periodical examination, their efficiency or ivofthelency is renderel dependent upon the var, ag views, the caprices, or the interest of the proprictors. llence, though the second character, or E , is deelared by the rules of the system to be the designation of ships whieh, having lost the first character from age, are kept in perfect repair, and uppear, on survey, to have no defects, ant to bo completely calculated to carry ilry cargoes with aifety, the whole body of evilence distinctly proves that cinaracter to be, in very numerous instances, assigned to slips which, from original defect or want of requisite repairs, are utterly unfit und unsafe for lry cargoes; while others, which, from sound constitution or efficient reparation, are pronounced in the evidence to be superior to many new ships, are indiscriminately classed with the aetually worthless nad unseaworthy. Hence, too, the employment of ships, after they have passed the period prescribed by a fallacious standard of classification, becomes uncertnin, precarious, and diftienlt; the shipowner is injured; the shipper and underwriter misled; the building of superior ships, capable of long service, is disconraged, and direct inducement is held out to the constrnetion of those of an inferior description; the general character of our mercantile marine is degradel; and it is to be feared thent, could the system be traced to its ultimnte results, it would be found to be productive of a lamentable loss of property and life.

It may have seemed surprising that, despite the continued complaints of the lowness of treighis, and the want of employment for shipping, so many new ships should be annually built. Hut this was, to a considerable extent at least, ocensioned by the system of classification now described. Instead of building a really good and durable ship, the prineipal object used to be to construct one that should, it furthest, be; as the plirase is, run off her legs in about 10 years or thereby; inasmuch as, whutever might be n ship's condition, she was then degraded from class \(A 1\), and it was hardly possible, in most departments of trade, to tind a merchant to employ, on anything like reasonable terms, \(n\) ship to which these symbors of imaginary excellence were not nttached. Hence, the shipowner, instead of repairing his 10 -years old ship, sold her for what she would fetch, and built, n new one. But the person who purchased the ship degraded to E 1, forced her, though at an enormous reduction, into business; so that there were two bad or inferior ships in the field; whereas, uncler a reasonable systom of classification, there would most likely have been only one good ship. The injury that this practice did to the shipping interest is too obv. sus to require to be pointed uit. It has been infinitely more hostile to it than all those reciprocity treaties, nend that
fureign competition, nbout which there has bee so much minumded clamurn. 'If the system " elassitication were fonnded on the principle intrinsic merit, if the real ettheieney of the shi formed the basis on which character was given the consequence, in mumerous instances, would he that, instead of supplying the place of those shins that at present lapse from nge ouly into the secom chass with new ones, the owners joudd effectuall repair the existing ships; so thit thero wouli speedily be not only a materinl itsprovement the construction of ships, but a material increas in tho amount of tomnage, and a correspondia; increase in the rato of freight.' (Marslinll's State. ments, p. 19.)

The conclusive Report and exposition referet to alove did not prolnce the consequenees that might have been nnticipated. Govermment, for reasons known only to itself, but which appear tu hinve been of a very questionable description, seems to have concluded that this was not a subect with which it should interfere; and it was luid aside for some years more. But the still increasing anount of shipwreck, and the loss of life and property consequent thereon, agnin ronsen the public attention to the subject; and at length the principal merchants, shipowners, and underwriters succeeded in setting on foot nanchinery by which n classitied account of shipping has weei ohtained, foumded on more correct princlples. The public owe much to the individuals who imposed on themselves this difficult and important task. Notwithstauding the obstacles with which they had to contend, they havo done a great deal io improve the character of our mercantile marine, and to lessen the disasters incident to a seafaring life.
2. New Systen of Classification. - This new elassification is conducted under the direction and superintendence of a committee of merchanas, ahipowners, and underwriters, established in 1834. Dlany olpjections were frequently made to the manner in which chis committee was chosea; and in the last edition we expressed an opinion that its composition might be improved, and that consequently it might be made to enjoy a larger share of the public en fidence; but important changes have since then been made in the management of its affairs. It estallishes rules for clasifiying ships, and appoints, controls, and dismisses the stiryeyors by whom they nre inspected and exnmined. It is plnin, theretore, that the power which it exereises over shipping is very considerable, and that it is of the greatest importance that it should be placed on sound princijles, and exercised with the greatest discretion. A classtiel register is annually published, which should become more and more complete; and the expensee attending the institution are defrayed, party by the fees charged on making an entry in the register, partly by the profits on the sale of the register or book, and partly from voluntary sources. llat, ns the subject is of much importence to everyone interested in comincree and navigation, we think we slall do an acceptable service to our readers by- laying before them the statement prelixed by the society to their register. It fully explaits their objects, the principles on which they proceed, and the means they profess to adopt for carryin: their views into effiet.

\section*{Clussification of Ships: Rules and Regulations for, in 1868.}

After announcing the formation of the societ, the oflicial statement goes on to say, that-
8. The superintendence of the affiairs of the society is to be nuter the direction of a connitte
about which there has ben clamour. 'If the system of amded on the principle of e real eftheiency of the ship) which character was given, umerons instunces, would low lying the place of those shijss from age only into the secon the owners would effectually ships; so thic there would a material inaprovement in ships, but a material increasi tonninge, and a correspending of frelght.' (Marslaill's State

Report and exposition referred proluce the consequenees that nnticipated. Government, for , to itself, but which appear to very questiouable description, luded that this was not a sub; should interfere; and it was 1e years more. But the still of shipwreek, and the loss of onserquent thereon, ogain roused n to the subject; and at leugh elinnts, shipowners, and uniletin setting on foot machinery by acconnt of shipping has hecil on more correct principles. The to the individuals who impuesel is diffeult and important task. the obstacles with which the? they have done a great deal io acter of our inercantile matine, disasters incident to a seifirings
n of Classification. - This nevi onducted under the direction and of a committee of merchants, anderwriters, established in 1834 . - vere frequently made to the chis conmittee was chosen ; anl pn we expressed an opiniun that hight be improved, and that conthi be minde to enjoy a latget bblic enifidence; but inportast co then been made in the manape8. It establishes rules for clasifipoints, controls, and dismisses the hom they are inspected and esplain, therefore, that the powet es over shipping is very consideris of the greatest importance that cd on sound principles, and eserreatest discretion. A classtiel ally published, which should benore complete; and the expenees stitution are defrayed, parly by on making an entry in the regisprofits on the sale of the registet ly from voluntary sources. But, of much importence to cyeryone ninerce and naviga،ion, we thiuk neceptable service to our readers them the statement pretixed lu: their register. It fully exphats principles on which they proceel, hey profess to adopt for carrying effuet.
\(f\) Ships: Rules und Regulutions for, in 1868.
cing the formation of the sorect?, ment goes on to say, thatintendence of the aftairs of the nuder the direction of a committe
of merchants, shipowners, nud underwriters: twenty-four elected in Lomdon, and eleven at the principal outports. The charman for managing he allaits of Lloyd's, and the chairman of the liencral Shipowners' Soetety, Londou; also the chaiman and cleputy-chairman of the liverpool committee, and the chairmat of the liverpool chasidention committees for the time being, to be ex oflicio, members of the committee.
9. Sis: of the members elected in Lombon, namely, two of encin of the constituent parts of the committee, to ro ont ammaly loy rotntion, bat to be digithe to be re-clected. Tho vacancies so arising to bo tilled up by the election of two maderwriters and one merchmit by the committed for managing the affairs of Lloyd's, and two shipwruers and one merchant ly the eoumittee of the Genoral shipowners' Soeiety.
10. 'the members clected at the ontports to retire at the cand of every four years, but to be cligible for re-election.
11. The committee to appoint from their own bohly, ammally, a chairman and deputy-chairman, aod nlse \(n\) chairmm for a sub-committee of classitication.
12. The committee to appoint a sub-committe of clasitheation, to be so regralated that ench member of the general committee may, in rutation, take his turn of duty therein throughout the year.
13. The secretary, clerks, and servants of the socecty, and the surveyors, to benprointed by and be under the direction of the general committee.
14. Special meetings to be convened by oriler of the chairmant, or deputy-chairman, or on the requisition of nny three members.
15. All elections nud appointments to be made ly ballot.
16. No member of the committeo to be permitted to be present on the decision of the classitication of any ship of which he is the owner, or wherein he is directly or indirectly interested.
17. The committee to be empowered to make such by-laws for their own fovernment and proceelings as they may deem requisite, not being inconsistent with the original rules and regulations under which the society was esta,hished; but no wew rule or by-haw to be introdaced, nor any rule or by-law altered, without special notice being given for that purpose nt the meeting of the committee next preceding that at which such motion is intended to be made; such notice to be inserted in the summons convening the mecting. No new rule, or nlteration in any existing rule, materially alfecting the classification of ships, to take effect until the expiration of six months from the time it shall have been determined upen.
18. All reports of survey to be made in writing ly the surveyors necording to tho forms preseribed, and subnitted for the consideration of the general committee, or of the sub-committees cí classification; but the clanracter assigned by the latter to be suljeet to confirmation by the genernl committec.
19. The reports of the surveyors, and all documents and proceedings relating to the classitication of ships, to be carefinly preserved, and parties proving themselves to the interested therein to have aceess to the same under the direction of the chairman or deputy-chairman.

Copies of the origimal reports (if the ships be already classed, but not otherwise), so far ns relates to the timensions, scantlings, fastenings, and materials, in cases where the correctness of the reperts in these particulars is certitied by the builders, are granted on npplication.
20. Foreigu ships and ships built in the linitish possessions abroan where there is mot a surveyor (see also sece. \(\bar{\sigma}\) ), to be nurweed on their arrival at \(n\) jurt in the United Kingdona but a dae regard is to be had to the clreanstance of their having been exempted from the supervision while building to which all 13ritish shipes ate subijected, and the elaracter to be assigned to them is to be regulated necorinig to their intrinsi: quality, and from the lese informati in the committee can whtain.
21 . In every case in which tbe charactur assiphed to a ship may be propased. " surve.",to bo rednceal, notice is to bo given an viting to the owner, master, or asent, with in intimation that if the reduction be ohjeeted to, the committee will le realy to direct a special surves, on the owner, master, or agent arreeng to pay the expenses attending the same, provided on the sad survey there slatl appear sublicient ground fur the propessed reduction.
22. When the survegors consider repairs to the requisite, they are respectlully to communicate the same in writing to tho owner, naster, or agent ; and if such repairs be not entered upon within a reasomable time, a corresponding report is to be made to the committee fir their lecision thereon.
23. Parties considering the repairs sugfested by the surveyor to be numecessary or unreasomable may appent to the committee, who will direct at special survey to be held; bit should the opinion of the sirveyor be contirmed by the committer, then the expense of such speciul survey is to bo puid by the prirty appealing.
24. The surveyors to the society not to \(t\) : permitted (without the especial snaction of the: committee) to receive any fee, gratuity, or rewaril whatsoever for their own uso or benctit, for any service performed by them in their capacity ot surveyors to this aveicty, on pain of immediate dismissal.
25. The survesors will be directed to attend wat special surveys of ships while building or under damage or repair, when required by merchants, shipowners, or underwriters; the charge fior which is to be regulated according to the nature and extent of the service performed. In all eases the application for the assistance of the surveyors must be made in writing addressed to the sectetary.
\(\dot{26}\). The furds to be under the nuthority and eontrol of the committee, and a statement of the receipts and expenditure to be annually printed for the information of the subseribers.
27. Tho folloving fees to be ehnrged to the owners of shins prior to their vessels being classed and registered in the book:-

For Entering and Classing Ships, and fir Lintering and Classing Ships surveyed fur Continuation, or the Character \(\boldsymbol{A}\) in red, or required for Restoration.


For Registering Repairs.

Vor Re-classing Ships (except when repaired) the Characters of which have been expunged, or Change of Ouncrs.

\section*{Frovid Surveys.}
28. Fior ships built under the special superintendence of the surseyors (to entile them to the distinetive mark ew), is. per ton.

For surveys for danage, or for other surveys, held at the request of the owners, and for the survey of shijps for restoration, continuntion, or the eharacter A lin red, a charge (in ndidition to the fee for entry) will be made, according to the nature and extent of the nervice porformed.

In coses whero the coulking of ships is superintended and tested by the surveron. A specinl charge will be made, according to the tomage of the ship. All repnirs which may be required on the surveys above referred to must be pertormed under the superintendence of the society's surveyors.
29. Certificates of character, of the forn No .7 , signel by the chairman of the genernl eommittee, or by tho chuirman of the rub-eommittee of classitication, and comitersigned by the secredury, will be granted on applieation, the chage tor which will be as follows:-
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For shlys under %00 toms and above
C'opies of ormpinal reperta, is pere sece, 19

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31. Churacters.--The charneters to be assigned to ships to be, as nearly as possible, a correct indication of their renl and intrinsic qualities - (ships which are not built in accordance with the prineiples of the soeiety's rules will be marked in the register book thus ' \([\) Lixpl. B. S.]' denoting that they are built experimentully, and ure elassed subjeet to being surveyed biemially) and to be in all cases tixed (not by the surveyors. but) by the committec, after clue consideration of the reports of the surveyors and such other documents as may be submitted to them, and will be distinguished as follows:-

Ships \(A\) to consist of new ships, or ships continued, or restored. (Secs. 34, \(54, \overline{0} 5,57\).)

Ships \(A\) in red to consist of ships which have passed the period assigned on the original survey, or continuance, or restoration ; and niso of ships not having had an original charneter, and which are found on surver of superior description, fit for the conveyance of dry and perishable goods to and from all parts of the rorld. (Sec. 61).)

Ships \(A E\) to consist of sbips which are foumd on survey fit for the sufe conveyance of dry and perishable goods on shorter royages. (Scc. 6it.)

Ships \(E\) will comprise ships whieh whall be fuund on survey tit for the conveyanee of eargoes not in their nature sulject to sen damage on any coyage. (Sce. 64.)

Ships I to consist of ships fit to carry cargoes, not liable to sea damage on shorter eogruges. (Sec. 66.)
32. In flush-decked vessels having either one, two, or three deeks (not being spar or awning decked), the tonnare under the upper deek, without abatement of the tonnage of the space for the crew, or for the propelling power of steam vessels, is to regulate all the scantlings of the hull, and also the equipment of the vessel.

In vessels having a raised quarter dech, or a poop, or top-gallant forecastle, or deek houses, or awning deek, or apar deek, the total tonnage below the tonnage deck is to regulate the scantlings of the hull; but the register tonnage, as cut on the main beam of sailing vessels and of stenn vessels, uith the addition of the tonnage of the space required for propelling pou'er, is to regulate the equipment, and also, in iron or composite vessels, the size of the inain piece of rudder and windlass, and the keel and keelsons and their nomber, and the
vountligu ef the strimger plates on the upper and fower deck bemms, and the reguroments as to double riveling.

Hut in vessela where the tomare of the erretions above the tomange deck is less than that requirei for crew space, then tho differenee betwren th. tomnare of theso ereetions and the tomnage of the spuace allowed for crew is to be addeal to the register tonnage, cut on the main beam, for the tomare that is to wrulnte the equipment and tha aize of the main pioce of rudder and windlas, and the ked and keresons and their number, the semuting of the stringer plates an the mper and lower deck brams, mud the reguirements tor double riveting.

\section*{Rules for Clussification.}
33. Ships \(A\) will consist of new ships and those which lave but passed a preseribed ayp. provided they are kept in a state of complite repmir and ellheiency. The character A will mot. however, be granted to any vessel unless satiofactory evidence of the date and build and jar: where built is produced.
:3. The number of years to he assignell for this clanaeter to be determined with reference to the origimal construction and quality of the vesselv, the materials employed, and the mode of building: and their continumeo for the time so assighed to depend upon its being shown by occasional surveys (annually, if practicnble) that their ticieney is duly maintanned.

The eharacters of ships classed \(\Lambda\) will be stack out of the register book muless they be submited to the following intermediate survey, withia periods not exceeding four years in the case of vessels classed ei. t years and under, cither originally, or on restoration, or on continuationa a a within periods not exceeding half that assigmol in vessels classed for longer terms.

This regulation is applicable also to ship classed \(\mathbf{A}\) in red.

The survey will be noted in the register bunk thus-'II. T.' (lalf-time), with the date of the survey allixed.
Malf-time or intermediute survey,-The ship to be placed on bloeks in try tlock, or on ways, 9 , that the keel and bottom may be seen and properly examined (unless she has been thas surveyell br the society's oflicers within the previous twelie months); the hold to bo cleared, and proper stages made both inside and ontside; the limbers and all nir courses to be cleared; and if the shin has not already got the nir courses, described it rule, sec. 37, they are now to be made; the outside planking to be seraped brigbt where the surveyors may consider it to we necessary from any upparent defeet; bolts of lower deck (if of iron) in number not less than six on each side. and treenails in number not less than twelve on each side, to be driven out at various parts of the ship. The attention of the surveyors is to be then particularly dirceted to the state of the upper or main deck and eomings, the upper and lower des: lolts, whether of iron or copper, and the outside planks through whieh they pass, and to all ther parts of the ship, so far as they can be examined; the windlass to be unhung and wool lining strippel ; the condition of the caulking is also to be ascertnined. The cables to be removel from the lockers aud ranged, and, with the anchors aud general equipment, exanined so as to be satifinctorily reported upon.
35. New ships are to be surveyed while building, by the surveyors to this society, in the followith three stages of their progress, or they will be liable to lose one year of the period to which they
cr plates on tho upper amp d the regilirements as th
the tounage of the eractions o is less than that repuiped the difference between th. tions and the tombage of crew is to be achled to the in the main beam, for the late the equipment amil ith of midder and windlass, and of and their mumber, the cer plates an the upper and ind the reguitemeats tirs
- Chussificution.
cunsist of new ships ant t passed a prescribed age, pot in a state of eumplete The character \(\mathbf{A}\) will mot, to niny vessel nuless saliohe clate and buile and jhar: ed.
yenrs to he assigned for this nined with reference to the and quality of the vessels, ed, nud the mote of building: efor the time so nssignod ti cing shown by ocersinad practicable) that their effained.
hips clnssed \(\Lambda\) will be struck ook unless they be subaitted ntermediate survey, within fr four years in the case of tears aud under, either orginion, or on continuation, and exceeding hulf that ussigned \(r\) longor terms.
is applicable also to ships
e noted in the register bulin (ime), with the date of the
midiate survey.-The ship th in dry dock, or on ways, so tom may bescen and properly he has been thus surveyed by a within the previous twelie to be cleared, and proper side and entside; the linabers to be clenred; and if the ship the air courses, described in - are now to be made; the be scraped bright where the sider it to \(u\) neecssary from \(t\); bolts of lower deek (if of ot less than six on each sile, mber not less than twelve on en out at various parts of the fo of the surveyors is to be the 1 to the state of the upper of fings, the upper and lowcr dels in or copper, and the outside ch they pass, and to all other far as they can be examined; e unhung and wood liniag tion of the caulking is also to e cables to be remorel from red, nnd, with the anchors and exnmined so as to be satipon.
to be surveyed while building, this society, in the following cir procress, or they will be ar of the period to which they
might otherwise be entitled. (See. 63.) Ships intended to be built under specinl surrey, munt ho placed noder the surveyor's inspection troin their smacmerement, so that all parts of the timbers, dendwurd, keel, stem Re. may be exnmined.
f"rst.- When the frame is compheded, timbers fublwel fair inside and outnide ready to receive phanhing. and before any planking is wronght.
sirmmi.-When the benms are put in, but lefure the deeks are laid, and with int lenst two trakes of the plank of the ceiling between the lower teek and the bilge unwrought, to ndmit of as examiation of the inner surface of the plank of tlie botiom.
Thiml.-When completed, and before the plank bepainted or puyed.
All ships fur which a ligher elarneter than 10 ruars' A winy be claimed, must be surveryed hy un velusive oillecer of the rociety, twice at least while building; mamely, nt the tirst und at the spood : tagery of their progress as above preseribed. bue notare mast be fiven by the builder or owner of their buing rendy tor this additomal marvey.
ifi, I full statement, ngreenlly to Form No. 4, of the dime"nions, sematlings \&ec, of all new whips, wridial by the lmilder, is to be tramsmitted by the sursevor, and to be kept as a record in the oflice of the sinciety,

\section*{Rules to be observed in buikling Ships.}

3:. The whole of the tumber is to be of good quility and properly seasoned, of the deseriptions down in Trable \(\Lambda\), as applicable to the several terms of years for which shijs may respectively be appoibed to remain on the character \(A\). The work manship to be well exechted, nul equally so for all grales. Defeets in workmanship or quality of tiaber will involve a reluction of class, to be defermined by the committee in ench case.
In sinipa claiming to strund 12 years from their timber materials, the stem, sterupost, beams, transoms, apron, kuightheads, and keelsons are to bentirely free from sap nud from all detects. The rest of the frame to be well squared and free from sap; each set of timbers to be frame-bolted togethe throaghout their entire length; the butts of the timbers to be close, and not to be less than \(\frac{1}{3}\) of the entire monlding at that place; and in cases where the heads and heels of the timbers which come together are square, a dowel (to be of the diameter from \(\&\) to \(\&\) of the monlding of the timber) must he introduced into the ends of such timbers in order to connect them.
All ships bailding for elassification to be well cross chocked with a proper butt at each end of the wock, each nrm not to bo less in length than onee ambland the moulding of the timbers they connect: in all cases the chocks are to be ol a description of wood equal to the best material required by the rules for the timbers which they unite, exeepting the floorhend chocks, which may le of the materials allowed by the rules for tirst foothooks. Where the timbers are scarphed, the scurfs to be of proper Iength and with a butt at each enul.
In all ships an air course mnst be left all fore and aft, below each set of clamps, or between the elanps and spirketting of each tier of beams, and in the hold, at ench end of the ship, between the kedson aud hold beam clamp, to have in addition 1 or 2 tiers of air conrses for \(\frac{1}{5}\) of the entire length of the ship.
In the construction of top-gallant foreenstles and poops, the timbers must be of the same mnterials as are required by the society' Table A for the top-timbers of the frames of ships according to the several terms of years appointel for such
shins to remain on the character \(\mathbf{A}\), all the snid timbers to extend to the phanksheer. All the ontside plankimg of top-gallant forecastlow, mal the shererstrakes, planksheers, and spirkettines of top-gallant foremstles nad porgos, mist bo uf :ha materials requirad tov 'able A for the topsides of the snid ship; and the sheli und clamps of poops mad top-gallant forerastifa may be of tho samos quality as those ullowed in 'lable A for the shodi aml elamp of the upper deek. All tho beams of top-gallant forecathes, and the mast bemms, breast beams, nad transom beans of poops, to be of the materials required by 'Table A for the beams of the snid ships; the remainder of the bemen and the water-way of the poops, and the remainder of the planking of poops and top-rallant forecostles, may be of cedar, malngany, lhaltic, or Americont red pine, pitela pine, larch, hackmandek, tamarac, or cowdie, and roek-elm for such remainder of bemms ouly, aml yellow pine or Amerian white spruce in shaps below the seven years' grate. This rule dhes not apply to raised cuarter-deeks, the materials of which are required to be of the same quality an those mamed in 'lable \(\mathbf{A}\) for the main body of the shijp.
ish. Tha scanllings of the timbers, keeksen nud keel, thickness of phanking dec. are not to be less than those shown in the siociet v's 'Table 13.

In the inside and outside planking, waterways, planksheers. and llat of deek of rased quarter deeks, a roduction of \(\frac{1}{5}\) from the thicliness required ly the society's Table 13 for such parts in the ringe of the upper deck in ships with two decks will be allowed.
In the inside and ontside planking, waterwars, phanksheers, and that of deek of fill poops nud top-gallant forecastles, a relnetion of \(\frac{1}{1}\) frum the thickness required ly the 'lable If for such planks in the range of the upper aleek in ships with two decks will be allowed; and in the sidiner and inoulding of the top timbers and beams of fill poops and top-gallant foreenstles, a redhetion of \(\frac{1}{5}\) will be allowed. 1'arties desirous of making any atteration in the construction of poops, with a view to diminishiag the weight (but preserving the requisite strengti), may submit their plans for the committee's consideration and approval. The mited lengths of poop and forecastle are not to exceed \(\frac{3}{5}\) of the entiro length of the upper deek. (See. dit.)

In versels having three decks or tiers of beams, where the space umber the upper deek is to be used only for the aceommodation of crew and passeugers, or to enclose the engine openings of steam vessels, the scantlings are to be regulated as per section 3:. The total depth of hold in spar-decked ships must not exceed \(\frac{13}{16}\) nor be less than \(\frac{12}{20}\) of the ship's extreme brealth.

In the construction of spar deeks, the timbers must be of the same materials as are required by Table \(\mathbf{A}\) for the top timbers of the frames of slips accorling to the severnl terms of years appointed for such ships to remain on the character \(A\). If all the said timbers extend to the planksbeer, their siding and moulding may be reduced \(\frac{1}{4}\) at their heads; but if only the alternate timbers run up to the top height, then a reduction of \(\frac{1}{4}\) onty will be allowed in their moulding at their heacis, and in that ease there must be a perfeet covering board worked all round the ship at the middle deck; and in all cases the middle deek must be a perfect deek laid und caalked. All the outside planking, and the sheerstrakes, planksheers, and spirketting must te of the materials retuired by Table A for the topsides of the snid ship; and the shelf and clanp may be of
the nome ghating as cluse allowed in Thablo A fore
 thation hefore the foremast, and the bast beams, fintel lnams, aini transum benm, mast ber of the matorinle repluired by'Tahbe \(\mathbf{A}\) tor the trams of the
 tho witer-wny of epar deck, und ther remainiler of the planhlog, may be of renl eedar, mabugaty,


 velhow phes, Xmerlem white npruer, or white cerlar
lil :par derke there may fer a dimimullon of !

 with fwo dereks (oxerpit in the widling of the enar loed beames): lint if tho muside plankhige be of 12. vearse woml, then a redinetinn of t may be made in the thickness from that preseribed in Tuble If for the main sheresatrakes of such veswels.
 par aleoks, bit omly to the extent of 品 a' the total supertein] aren at the spar derek, anit are not io axcerel 7 freet in height. 'Illey are mot to be haced nearer to either of the ands dhan of the entire length of the vesmel
 entire spar deek, will be moted it the regaster tonok thus-"Sjur decked.)
199. The intermediate dimensions for the sematling of timbers bedwern the floor heals and the gumwale to be regulated in proportion to the dimtance from the twoperints, Shonll the timber nend spare be increaned, the saling of the timbers to be incrensed in propertion. Whenever ships are buile with double thors, thek merakes (T'able 13) mast be worked inside, to extenil from the lower part of the short door-head chocks to the upper bart of the lome thour-head chows, atul be well bolted throngh and eldended, with obe bolt it the heal of each long and short arm of thoors, and at the heed of aich tirst and recond foothook which come upon them, from the foremase extembing a listance alf equal to three-titthe of the lengeth of the ship; in snch cases, the limber strakes need not be through botted.

Ships of Circal lecngth in proportion to their Braulth or Jrpth.-All ships, the lengeth of whiph (measured from the fore [art of the stem to the ither part of the stern-posit on the range of upjer leck) shall exceed 5 times their extreme breadth, or 8 times and moler! times their depth, shall have diagomal iron plates closely inserted onfside the frame. L'nrties oljecting to fit the iron phates on frames as preseribed above, are at liberty to subuit, through the resident surveyor, for the committee's consideration and approval, such compensation as will, in their opinion, render the introduction of the from plates umecessary. The said plates to extend from the upper side of upper tier of beams to the lower part of chocks at irst foothook heads anidship and to the same perpendicular height formarl an it, measured from the lower part of the keel. When ships are constructed with long and short armed thoors, the said plates are to extend to half-way between long floor heades and lirst foothook heads; the sizes of the plates not to be less than as follows, viz.:

and to be fastened with bolts, one at each end alter-
nute timber, nut loas in diameler than the s

 conting, likewise the thances to bat poatem in weres which are to reredice the matil phates.
 lesas thans onve pair to evory fe fied of the shipi
 than \(x\) fert nsmbiter mensured on an notare; the

 whinge to the afture emb ar the kerel int the abs. lanly, nall to the fore dind of tho keed in the fite


All shell ships to have slelvers anil waters to din'l ther of hemme, riach regnal in content it the transverse soretional nrea at the heame of then
 shelven and whterway to be lolted thrmegh the ontside phankime at invery timber, with hades, the sizes given in Tabli li; likewiso the shiftes inside numl miteite phashing not to be hese thans fert, mbera there be a merake wrought therwan hint, athl then a distance of of tet will allowes.

In whipes the bongels of which shatl exreed wis times llocir extreme bremith, or nitue fimes and moder ten times their depult, the mumber of plate minst bo not less than ome palr to every 10 feet if The shipis antire lemgit taken as nowe, hut mit to he nure than if feret asimider measured ma Nopure, moll to be placed diagomally as aberes dexsribed. In cases where the longth of the shap excereds ten timen the tepht, the buillen in owners ure to submit, thronght the resildent surveyor, firr the committec's npproval, their phay lir firing the vessel the necessary strmpth lomgitudimally, \(A\) mit in maditon to the rempirementen lin whipes of tive times their liealth in Lelgith, such shipos must be ditted with a riber kerelson, or a jair of sister keolsons, at the option af the owner, the transuorso nectional area of such rider heedson ur sister keolsons path ta be equal to 3 ol that recpured in 'Table II fir main keelsons. If a rider keedsom be adopted, it is to be fastened with a (hrough lole (of the size required in Thble I) for keelson bolts) in every frame: of if the owner preters it, every intermediate bats may be short, passing only through the mainand rider keelsons. In all cases : which a rider kecelsom is titted, it unst be fastened as preseriled above, irrespective of the relative dimensins of the ship. If sister kerlmons be littod, they musi be fastened with through bolts, in mumber int less than one in every altormate timber, and of the size required in 'lu.ble D for scurphs of keels sic.
40. 'The sizes of the deek and hodd beams have been regulated so as to be delemmined by the leng! ho the heams amidships, as shown in lable C. The leams will be required to be of the site of the midship beam, except those at the after end of the ship, which may be redued in proportion to their leugth. If beans of spruce or yellow pine are nsed, the siding at such beams shall be \(t\) larger than is prescribed by the above Trable, or be increased each way, siding and mouldingr, equal in aren to that amonnt.

In cases where iron beams are fitted in wood slips, the beams of ench derk are to be \(\frac{1}{8}\) tif an inch thicker than is required by the rules for ships built of iron, in consileration of the Ereater space between; and the septh of lower deck or hold beams is to be jucreased one inch. The spaces between beams of the sereral decks not to exceed the spaces at present allored for wood ships, as per rule, sec. 41. Each tier of beams mant have stringer plates riveted on their
ess In diameler than the sire
 , be well prouected by propery timhers to ber pontand ill the asedso thon suid plates. -hater to ho in propertlon of nut Y to every 1: tient of the mipis I tes nhower but not to ber mart ley mensured int in symate; the a los phared dingonitily, at at han lis degrees, their lownermi ar end if the koil in the ater fore and of the kied in the fore cossing en'l other muldmhip, to hase shelves nuld watervay rams, earh rguad in conterind to tional nren of the hemes of there at lowir ends: ench of the sull rways to loe boilted throngh tho at evers limber, with buils 'Thble li; likewise the shifte. - plambing not to be less thas : le a strako wromght bedwer a distance of is feet will len
ngels of which shall exrect oix ame brendth, or bine times alme lowir dopth, the number of phate than one pale to every lof fiet in lougth taken as mbove, but not if fert asmider mensured on a be paced diagomally as abwe wey where the lengith of the stip bes the depiti, the luiders of homit, through the revident surmmittere's npproval, their plans vessel the necessary strum (l) And in mddision to the repuifeul tive times their lirenth is ips mast be titeded with a riber rof sister keelsous, nt the option he trunswerse sectional area oin or wister keplemem parla to le at required in t'able 15 fir main ider kedsum be adopted, \(i t\) is to te hrongh loolt (of the size soquiren cerlsint boilts) in every frame: os eliers it, every intermediate lols ssing only through the main aln lut all cuser ! which a ride it must be fastened as prescribe of the relative dimensions of ter keclsons be fitted, they mast through bolts, in mumber int les ery altomate timber, and of the l'ible D for scurphas of keels se. of the deck and hold beams have so as to be determined by the cuns amidships, as slown in "table will be required to bo of the size beam, excent those at the afte which may be reluced in proleugth. If beans of spruce of Inscid, the siding at sach brams than is prescribed by the above creased cach way, sidiu! and in aren to that anoont.
re iron beams are fitted in wood is of each deck are to be \(\frac{1}{8}\) of than is required by the rules of iron, in consideration of the etween; and the depth of lower ains is to be inereased one inch. ween beams of the several decks the spaces at preseat allosed for per rule, sec. 41. Each tier of e stringer plates riveted on their
muld, ant tiepplaten fure and uft, on each mide of , he hathony, its necordatere with the rules for Fom mign, sict, 15 , and to ber of the dimensions puguired in Table 16, or of stremgth eynal thereto, firtien are to mhlmit, through the pobident surusur, their ghas fior netmeloing hoon in mes to the: dinimpides, for the committere's mjןroman.
II. 'lle heame of all derke fo be in mimber and

 inal or woul, of with a whelf-pioce and waterwise or with an shelf-piowe mint knese, or with wine wher seronrity "gual thereto; mul, in miditions, all shijes of las tone abled hhowe to have watial bines to the deck lemme; mad thone of suintens and nhove to hore vertieal kices to the huld twans, in mumber nes alown in 'Tables fi, When the transverse sectional area of the whellifiemey and waterways are each equal in eomtonts Th the transwarse mectional area of the berans of thrir resuective deeks it their atils nas given in Takle (', mul the le:ams are elther dowellod or dovetailed to their shelf-pivees mul waterways, and the shelves mul waterways ure properily shifted, searpheed, and through bolted, having also banging knee to the lower side at every beant chl, thell lodrimg-knees may be dispeused with, everpt in the mant-roome. In whips of bor tons and natur, where lolfring-knees properly boltal are applied, the ordinary plank-edampes may he used, but the throurh beitiag of them it altermate
 Ia vessels of 13 lecet, mat under lis feet loold, thes spacing of the hold beams not to exceed 8 feet ant aud the deck hemms if fect: in versels of 1.5 fet and muler 18 fert hold, the spachis not to exced 8 feet and 4 feet apurt altermately, or in that proportion; the aleck beans to be placed ono over every hohd beam, nat one int mll clomble spaces: in ressels of 18 fect hold and alover, the sfaing of the heams not to excord \(\&\) foet \(f\) iades; the deck heams to be one over every hohd lyan, The depth it all such cases to be intermincl by taking lise measure from the top of the linter-strake (the thiekness of which, for merasurement, to he taken as preseribed in 'lable 1t) to the top of the up,es deck brams. Ships having a depth of hold, meusured from the linater strake to the under side of the lower alatis bean, abose 13 feet but not exceedini 15 fiel. must he secured with iron riders of the sizes, nom be fastened, as shown in Table \(\mathbf{F}\), and in monber nut less than one on every fourth lloor, on cach sile, from fore side of fore-mast to aft side of mizen-mast, to extend from the lower deek beams lonnwards, so as to receive not less than two holts in a substantial part of the flowrs; or by oflop beans, sufficient in number and properly secured. All ships having two decks (vi\%. upper and luwer deek), and exceeding 24 feet in depth from the top of the limber-strake to the top of the upper deek heame, or having three deeks (viz. upper, middlle, and lower deek), and excecling 2-4 feet in depth from the under side of the midille deck, to have orlop beams, the number to be in no case less than one-half the number of lower deck beams in the space between the foremast and the mizen-mast, execpt in the case of thosh-deck shipe, when a depth of 25 feet will bo allowed, provided in either case the lower hold does not exceed 15 feet, measured as above from the limberstrakes to the under side of the lower tleek beam. Should a house be constructed on a tlush-deek ship for lodging erew or for store-room, the same not to extend aft beyond 10 feet from the mizenmast, The application of this rule to British Xorth American built ships and fir ships will not
exampt thein from the full apration of the rale
 the midallo deok in veswels linving three derks (vi\&, Hilur, mi hlle, Hel lower derck) tol hot the manne "thens 'haveriher in the 'Thiles for the
 a rendurtion of fiom the dimultions, find aninge, and boles proserited in the 'lables, fine the "Herer derek of besmely having only two (viz.
 third or upper dedo, liy some called a mpar deeh. The middle deek fo bue a forferet derek linid mind


 irame: indoling peap ant forewatio to exteme to the extrome heripht, livery whip exemol-
 sur"urity of the kerls of the atior-timber of the frame; one pair af pointers in allithon to a knem at ench end of the wing transoms to eonale the stern trame with the ufterelusly of the ship; nul a trmisem over the herla of the stars timbers propurly kwed. The berly of the remt limberes forsari and aft to be xtepperd into the chenwost mad bolloml thromgh.
12. Shifts of timber in mipes of 200 toms ame upwarils to ber not less lhan; of the main brembla and in ships mader yell tons, to he bot less than \(\Rightarrow\) of the main bradth.

I'ank,-tis. The ont itle plankintr to be of goom quality, of the deveription presuribel in 'Inble \(A\), to be clear of amp mid free from all ilefeets.
H. 'The inside phakine to lue of the description shown in T'nde \(A\), and iree from all foxy, druxy, or weeayed knots. With regard to the milime phank, and the elbicieney of it fastruing, it wifl he reguired that the phimkinf shall he properly shifted and fastoned, no that there shad bo nt least wither treemils or throngh bolte, or short bolte, in ench plank of the eciling in every timber.
45. No buts to be nemere than हf feet to weh other (sec. 30), unless there be a strake wronght bertwern them, and then a distanele of licet will be allowed; and now bilts to be on the smue timber, mondest there be three strakes betworn, as more partienlarly shown in the diagram annexed (sed l'ater), but vessels under 2!? tons with be exempted from the full operation of this rale: mud in ships of larger tomage a litoral eomplinnere with it will he dispensed with in cases wheren it any be walistactorily proved that the departure from the rule is only partial, being conthed to the emds of the ship, or the planking of the topiside. and does not injuriotsly ndfict the ship's genernl strengil; but such relaxation will not be sanetioned maless an accurate deseription of the shifting of the plank be transmitted by the surveyors, to cuable the committee to form a proper judgment o: the ease.

The thickness of the plank, accorting to the tomare of the ship, is not in in any instance to be less than is prescribed in Table 16.

The breadth of the wales in every case is to be regulated ns muder, viz: -

When the extreme length of the ship, measured from the fore-part of the stem to the after-part of the stern-post on the range of upper deck, is six times lier depth of hole? (and under), the wales are to be in brealth 3 inches to every fuot of the depth of hold.

When the extreme length of the ship is cight times her depth of hold, the wales are to be in brealth 33 inches to every foot of the depth of hold.

When the extreme length of the ship is ten times her depth of hold (and above), the wales are
to. In in hrealth 1 imoles to arry fowt int the dellh of halis.
 prymerlims.








 Ifond Trmomits' will in insertent aghlant ther
 are to la straight anul citrolar, bobige either







 lown than that width, then to tu Iremailed simgho Nul less than of the permails ary to bo






 phaced that from lee fortumat, extondimg \(n\) dix-




 fir ench so af timines lin one or other of the thick higgentrakes. All the liolta of the lonees, hreast
 kedsoms, shelf pioves, watorways, helds of timber agionst fore mid atior demdwomb, and of all other material lastomings, are to lo driven through ame - henehed on ringes of the same midal as the molts.
 one reguived to be thrangh the derek, but. whelher
 mant he clemeled on riage of the sambe metal is the bolts. The \(y\) bolts, the nearest to the erowns of the pintles mal lewese of the molder, ame also to be themeh mal ehended, those throurh the braces to the in the main pice of atoren post. "'lue limberstrakes to bo louted down to dow lowers, and ane bult in every dowr, on meh side, fo be through and chenched. Watereoursed are lo be properly formed at undersideod all thones and tionthooks at ihe limheres on eateh wide of midatle lime, sol as lo allow water to reath the pumpes ireeds. When the heels of tho tirst liothooks meet at the midela line on the keef imiler the keelson (cither with fuil monlding or with butted chocks) the throngh bolting of the limber-stralifes may be dispensid with.
An additional year will be allowed to all whips of the A charactor, if fastened externally with cremails, and will copper ur yellow metal balla and slomps, to the exclasion of irom, lrom the loser part of ke 1 uls 10 the height of \(\frac{1}{s}\) of the depith of lubld, below the upper side of the upper deek, in me, or two, or three-decked ships not lecine spar-derked ships), and below upper side of the main or tonnare-dock in epar-decked shijes, above which all finstomings of every deseripthel ontside, and the whole of the inside fastenings must be properly galvanised, exeept the frame



 whelle at the plambing is hastemel with ladtond













 alowe fier treenailas tho propurtion of thromath



 rimss (al| the manme metal) inside. The wizes of the
 vi/..:-

\begin{tabular}{|c|c|c|c|}
\hline \%月1) & " & Suld & , \\
\hline S* & * & Stht & * \\
\hline : 1111 & " & (111) & " \\
\hline 5141 & " & 9140 & - \\
\hline
\end{tabular}
amil tho lengillos of the whort buites not liow than on fillows, viz, ;-

and mo on in proporlimen far
wher thiok. mesers. The sions of the loita required in the arveral parte mont hot be ? ?es than in whem 'Tabla II.
17. In every eise where the boit and hidendia

 ho nswipary in lhe classiticmion of the vesul.
 vessels to lne proprortiomately regulated, areads: to the suciety's Table 16.
fI! Nhips survered while building, in whichall the materials required for a le years whip shall have lree'l tised, mal most of the ofther repuistes fire that grado fultithed, lim whidh, from partial
 entithel to the fill perimb, ablough superior tothe deseription of a 10 years nhin, hay be marked in the hark thins, 11 A ; thereloy denntime that the are to remain on that grace 11 veas, proviled they be kept in a state of elficient repair.
bib. Ships surveyed while buidding, in which every athemato ant of timbers are frame-blied timecher throughont their entire lengeths, ath ber semotling and whiths of the timbers, the thiskess and shifis of the planks, and size of fasteninss miny be the same as are riquired by the mhes and the description of materials preseribed in Table \(A\) shall also have been need, bit in which the frame is not sol well squated as is required for l: year: ships, but which shall be in ether respects equal thereto, slanll be marked 10 A : therebr denotim. that they are to remain of thint grale for in cears, proviled they he hept jer a state of efficient repair.
©t. In all other cases, ships survered whit irr
II bo abliond to tho I Ihararte ifs ulusu thou liour lamis, Il. ime is finciourd wilh Jriles nutal, for the ulmen nam wh hoight with jrymery NII Inadilo fiadrounge luiturn
 4 on linilurat or liduasil is kila jlankiltg, lunst alat in
 ain and preverolur londeafal innimel iron, lout the helts i mitior mainat shoulwors, fir Ine of 'olly er or yollow mutal. al malomillilion, thas limis min samio as la ulrouly promailan * I lo proburtion of thranth
 re incel in lin'l an tramals, the nlowerved) ; umind floethominh

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flo mhort bolis mot how thim a

orifitu foll
whe thish. us of the Loles reguired in the st mot he bres than is shown in
we where the butt and bigelols nand chemelode ohe your will be a juriond whish wond otheraise e chasmiliention of the vesul. inges and dimonsions for all sized wortionately regulated, matecalis 'uble 13.
eval while building, in whichatl gived for a l:3 years' whin ohall and monst al the other tepuinues blthlerl, hut whith, from partial not npleme to be in all roppots II jeriond, allhongh suparior to the (1) years" whip, naty be markel in 1 A; thereby tomitiog that ther a that grade 11 years, provikt state of ellicient repair.
ceyed while building, in whith sot of timioers are Irame-bulich ont their entire lengilis, and the ifts of the timbers, the thioknes p planks, and size of fastandes as are tequired by the males sat f materials proseribed in 'lablise con used, brit in which the frame ared as is rezuired for l : yars shanl be in cther respects equal marked 10 A ; thereby denotin: (o) remain on that grade for it bey le kopt ise a state of cticient
er cases, ships survered while

 lirigits. fiom tho lighe walor-monpk njwnrils, ili-



















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 the baitom as tho nurveyors imay diriect, su an to
 atate of the ircemaile, limbers, nad af tha filankinh
 proper materes lo be mala both inside nad ontsito. All nir comrsen and lio limbers ta be alempeal for the examinatian of the timbers. 'The wimblases to
 ationlion of I he marvayore whall Ihen be particularly direrfed tu the atate of the upper or mnin decli
 Whedner of iron or topprr, nul the ontside planks flirintgh which thry pass, Ilve plankshocrs, waterways, fad beanis, to fint gs tiny can be exanimed the hawse fimbers, knight-lieads, breashlooks, nowl Iransoms: the: llows and keolsones that keel rulaler, tund windlass; thas planking onlside null insinte, num the tremnily ; anil the frane nnd inners surfince of the outaide plankings where they can be seen; rind tho wheer thal kreneral form of the whin; the combition of the oaknm and caulkints also fo be ascertained, and the ship to be efliciently repmired will suitable mnterials, as hereinalter statiml. Auchors, enbles, and general equipments to be nlfouden to as proseribed in secs. 71 Io 76.

In Iritish Norli American built ships and fir mhips whrre the millle line bolts are of iron, their conlition is to be ascertained; and if this be not. practicuhle, adelitional bolts of suffiaient wize musi. lee driven throngla the keelson, tloors, nul keel, in ench altermata framo, alsa throngh the atem, apron, sternpost, and dendwool.
'I'ho mirveyors shall Iransmit to the committec a detailed report, accompranied by such observa-
tions as may ocenr to them, from inspertion of the ship, or from information of the repairs she may hase receivol, If, from tho riport of mich sperial survery the shij, whall "jpear to be in " sumal and citheient shate, the committere shat continue surh ship, wh the leter A lor such funther furios ath thoy may think tit, not oxreeding. however, \(f\) of the number of years which hat bero origimally assigned, subject to the asual mmund survey. Slijis classed A fir a yours, will be allowed a continumion for 2 years, provided that, in addition to the above remuisitions, the owners shall have removed a wrake in the topsides, fore and alt, on boh haden; this, however, will not excmpt shipes built in the British North Amerian colonies from the oneration of the sule. (S.c. ti3.)

Shipsen comtinued shall he distinguished in the rarinter rook by the mumber of years for which the eharacter is extembed, heing insorted separately matire the momber assigued on the origimal character, thereby denoting that the ship luts been fiombl on survey in such gomel mul cflicient ordor as to entitle her to be continued lor years. 'l'he period assigned for eontinuation will, ugon all onconions, commence from the time the ship may have gome oll the letter \(A\), without regnall to the date when the survey for this purpose may have


Survey-No. 2.- lhat shonid a shipuwner at the period for continuation us ubove deseribed be willing to subjeet his shij) to the following surver, the committee will comime such ship for a longer timo, viz. not execeling \& bevond the term oripinally assigned, provided application be tirst made to the committee fir surh surver.

Ind for the purpese of hohting sum surver, the Nhip monst be placed in dry dock or lail on blocks upon ways, so that the keel may be examined; all wheathing to be entirely stripued off the bottom nud elsewhere ; all the outside planking from light water-mark upwarde, including the planksheers and wnterways, to be seraped or dubbed bright; all the nir conrses and the limbers to be cheared; the timbers of the frame to be further exposed to fiew by the removal of phanking equal to one strake tore and att, on each side above the wales; n whort plamk in each buttork; a strake of planking w ine removed, or listing of sullicient breadlh, not less thand inches, all fore nud aft, on each side, at the discretion of the surveror, in the ceilint above the lloor heats (or if the shipowner ahould prefer it, a strake of planking outside at the same heipht), and a reasonable number of treemils, in addition to those above momed, so as to ascertain the state of the lower timbers of the frame; and in refer to asectain the condition of the beam ends, either a strake of deek next the waterways on each nide of tor taken out, oran examination to be made by boring each end, at the option of the shipowner; iron bolts and trcenails to be driven out at the varions parts as prescribed in Survey No. 1 ; proper stages to be made both inside and outside; the windlass to be unhung, and the vood linings stripped; and when in the state above described, the special survey to be beld, as directed in Survey No. 1, upon all the parts exposed to viev; the condition of the oakum and canking to be asecrtaned; the ship to be efficiently repaired with suitable materials, as hereimafter stated.

The surveyors on these points shall transmit to the committee a detailed repori, accompanied by such obscrvations as may occur to them, from inspection of the shij, or from information of the repairs she may have reccived. If, from the report of su-h special survey, the ship shall appear to be in a sound and thoroughly eflicient state, the
committer shall continue such ship on the leta firsunch further jurioul as they think fit, not ceeding, howerer, twothirdt of the mombe verors which hat horen originally aseliphed. -
 bowk by the number of yemes by whind the rater is extemated, haring inserted separatedya the number assigatid on the wrifrinal charat threrely demutiner that the ship) hits huen fonna survey in such grood and edicicut oriler as to title her to be continubil for proiod assigned for eontinuation will, wene ail ensions, commence from the time the ship o bave gome ofl' the letter \(A\), without regard to date when the survey liar this purpose tusy been hede. (hur periondical survess, see i.4.)

In enses of the repair of ahipes for eontinuation charneter muder the rules, sec: © , materials of inforior leseription (but not belonv thase preachi for the nix years' grata) may be pormitted th used in those parts which must of necessity, un the opration of the rules, see. sti, be eutitio removed on a repair lior restoration; sulject, bo ever, to the shipowner in every instanse makir n xpecinl application to the committee fir the previoms sametion.
Sturrey--No. L.-For British Nurth Ameria Imilt Ships and I'ir Shipss,-l'o entiste suc shipes to eontinuation for a periok of \(\frac{3}{}\) the origimally assigned to them, there mast, inadidion to tho examination preseribed abowe, he domber diagomally from the ked to above the tios stali of lower deek spirketting. The doubling to be f the thickness, and be finstencel as prostribed sece. tis; or, if the owner obljects to dudble bi ship, she mny he wilmitted to the follonvingsurves viz. :-

The ship mast be placed in dry duek or laid of Hocks upon ways, so that the keel may be ex minined and proper stages mate hoth miside an ontside; all sheathing to be entirely stripped on the bottom and elsewhere; all the outside phank ing from the lower part of chows at thoer heal upwards, incluting the phanksheers and water ways, to be seraped or dubbed bright; the tiaber of the frame tos be exposed to view liy the remoras of the planksheer or of planking equal to one strake fore and aft on each site, above the wales (eithe inside or outside, at the diserction of the surverer) also a strake outside all fore and aft letrued the wales and light water-mark, a short planh if each buttock, and phanking or listing of sufticiem breadth on each side at the discretion of the surf veyor, in the ceiling above the thoor headsalliont and aft (or il the shipowner should prefer it planking outside equal to one strake at the esm height), and in order to asecrtain the condition the beam ends, a strake of deck next the water ways on each side is to be taken out ; and a snew cient number of treenails to be driten out frog various parts of the bottom, so as to asenctily their conitition, and that of the planks and timber through which they pass; the wiadlass to be us huarg, and the wood linings stripped, and when the state ahove deseribed, the special survey tel held upon all the parts exposed to viev; the en dition of the oakum and caulking to be ascertaing the treenails from the upper part of chacks second foothook heads to the Jower part of chod at floor heads to be renewed with through ter mails of hardwond for at least half the lengh the ship amildships, unless they are alpady hardwood and prove to be in good condition; a where the middle line belts are of iron, their co dition is to be ascertained, and if this he not pry ticable, additional bolts of sufficient size must
nlinue such shije on the letter . 1 ertiod ns they think tit, bot es Iwothirds of the mumber af ren orichunlly assi,rned. Shipes He diufinsaished in ther regiver bor of yerns by which the cha. 1, |xeng inserteds.patately under gned on the oripinal charame, ; that thos ship has beren found ood andel rificient order as to + mo eontinned lor
yars. libe ar continution will, lipun ath me ce from the time the ship max a lettor \(\boldsymbol{A}\), without regural to the urvey fir lhis jurpose may hase for periondical surves, see we,
repuir of whips for continuation thas rules, nere. 5l, materials of an ion (but mut helows those preserimal
 irts which minst of necessity, nader of the rules, sec. 5tt, be cutisely epair for restoration; suliget, borm jowner in every instinue making ention to the committee for their (1h1.
2.-For IBritish North Ancricaa ud Fir ships.-'Vo entitle such innation for a prome of \(?\) that rued to them, they most, inambition ation prescribed alowe, be dowbled an the ked to alowe the linst strake spirketting. 'l'he donbling to be of , and be finstened as prowtibed in f the owner ohyjects to double his be sulmitted ta the following survey,
unst be placed in dry dock of haid on ways, so that the keel may he exmoper stages made both mside and theathing to be entirely stripped of nd elsewhere; all the oulside phath. lower part of chocks at thoor heads luclinf tha plankshcers and water (ritjed or dubbed bright; the tiaber: to be exposed to view hy the remom neet or of planking equal to nae stralio Ont each side, tbove the wales (eith side, at the discretion of the surverer e ontnide all fore and aft between d ligrat water-mark, a short plask in , and planking or listiug of suffieen aela side at the discretion of the sur ceiling above the floot heads all Wh if the shipowner should prefer tside equal to one slrake at the sun in order to ascertain the condition los, a st rake of deek next the wate It sido is to be taken out; and a sum \(r\) of treensils to be drisen out from ts of the bottom, so as to arme on, and that of the planks and timoer el they pass: the windlass to be us lse wood linings st ripped, nad when ore described, the sprecial survey to Il the parts exposed to view; be oakum and caulking to be ascertaia a from the upper part of chocks look heads to the lowet par: of chock ds to be renewed with through tret dwoml for at least half the length dwom for at least hak are already nidshijss, unless they arondition; at nd prove to be in hood eonditua, nidale line belts are of itun, their a be ascertained, and if this be not prat be ascertanned, amplicient size must
itional bolts of suthen
haren thronerh the kendsom, floors, and keel, in wime atioruato trame, ako throngh thontrin, "uron, tompost, and iondworal ; and if the ship in other somets be ellicionly repaired with suitable mat repith, whe will be allowad conitimntion for a perime nut expeotion two-thipils of the teras of rastoriginally assignel, moljeet for amanal survey. (bur periulionl survers, sere sece. : il.)
Hestoration of Nhijs to the ('hararter A.-Mirsf
 if of the number sis yats leyend the periond +rianilly asisumed, an owner bo dosimus to lase his ship restored to the \(\boldsymbol{\Lambda}\) character, sush antoration (on his comsonting to the sperial sur rivhereinafter aleseribed, to ba beld by i wo survisors, and protorming the rejmirs fomad rypuisite) vill be aranted for a jerior not exeecoling twor thims of doe time originally assigued, the same to becaluhated trom the alate of such repmirs.
Raquisites fir Restoration.- 50 . Nll the bolts in the ratue of earla dreck to be driven ont, and the pank taken out ; the upper deck waterways, and phanksheers and epirketting, and the strake next the matorways on the lower deck in the midships, to be takeri ont; the slacathing to be entirely sopsed oll the fottom; all the ondside plankink from the light water-murk upwaril, to be seraped bright; a strake in the upher course of the hottom, wheen the wales anal the light water-mark Fwe and aft, and \(n\) plank in the ceiliner nt the tho heats on: ench sitle, to be taken ont, the limbes to be clear, and the hooks forward to be exposet; the windlass to be unhange, and the wood lininges stripperd; and in that state the thin to be submitted to a special surver inm examiontion, at which the attention of the surveron appointed by this society is to be purticularly directed to the state of the decks, thas remaning plank of the topsides, the wales, upper wurses, and trecnuits, and other fastenings; also to the state of the frame, lawse timbers, and bughtheads, keelsom, floors, foothooks, ceiling, nud Wrasthooks, the rudder in all its parts and hangings la ships built entirely of teak, and irou fastened, if a suthicient number of bolts in the rantre of exdideck be driven ont, and tho phanksheor, also the strake of deck next the waterways or next the biading strake, on the main and lower sleckes ta both sides, be removed, nlso the thront bolts of all knees be driven ont, and the other reguisitions relating to the bottom, ceiling \&e. bu carried inte effect, the further removal of fastemings, bolis, and planks may, under the sanetion of the committee, be dispuased with, provided their condition be earefally asectained and favourably reported ujow by the surveyors.
la the ease of ships fastened with eopper or yellow metal, and galvanised iron, in contormity with the rule, sec. 46 , where there is 110 pusop or forecistle, if the whole of the planksheer and spirketting of upper deck and ontside jolankiner equal to ore strake all fore and aft be removed in way ot fasleaing bolts to each tior of beams, below the uppet deck beans; and where there is a jooje and foreastle, then if the whole of the planksheer and spirketting of poop, furecastle, and waist, nind a strake of ontsite planking (in way of liastoningr bolts to upper deck beams), tho entire lengllis of the poop and forecastle, und outside planking ecual




 Yyate with the other reminitions relatint to Lubuman, exifing tc, thes firtruer remexial of fasleuia's, bolts, ani planks mav, under the
mandion of the eommitter, bo dispumad wibl, provided their condibion be carefully aserortained tand finvoralily reported upon liy the satropors.

The abose orasations, so far as they relate for the removal of plank anm tastromines in the rampo of the lower dome, will bre wetemded to all whipe in whish all the lower deck fistenions are of eaplary or villow mutal.

Il, ntiot the above oxamination, the owner shombl consarit to takn ont all planks, linhares, leatins, knees, waterways, fistominges, fatdel other parts that may bo foumi dofortive, or objeated to, and replace thenn with matoriads of thesamespeciex or of erguat gunlity with those of which the ship wats originally conistructeal, such slipes to be en tithed (as rastoration lor a jerion propertionate ta their ratal condifion and the extent of the repairs preformed; ar if timber of an inferior deseripition, or scromd-hand liughish or Airican onk or teak ln nsed, then fiar a periost not exceorliner that for which such matorjals would have entitled a new ship to stami A weording to tho tables, sulyeet in rither conse to tho shiy being at all times therentler kept in a state of ellicient repair. (for perionical surveys, see see, 34.)

Second hule.-[57. If, at, any age of a vessel, nn owner be dexirous to litive his ship restored, sueh restorution (on his eomsenting to the special surver hereinafter deseribul, to be hedal ly two surveyors, and performing the repairs thereds found regnisite) will be grantel for so long a perion as may be deemed expedient by the committer, not excecding, in any case, the terin of eight years.

Hequisites for Resforution.-58. 'I'he whole of the ontside plank of the vessel to be taken otl' as low as the second lioothook heads. Ther remainder of the planking, cither outside or inside, together with all the dorks, to be removed, so as to exponso the timbors of the frume entirely to view, the windlass to bo mblumg, and the wood linings stripued, and in that stati: the ship to be snbmitted to a mpeial survey and rexamination by the survevors appointed by this sacioty; and it, after suel examination, all timbers, beams, knees, keelsons, transoms, lmreasthooks, remaining plank, inside or ontside, or other parts fonnd to be defeetive, be replaced with materials of the same species, or of equal puality with those of which the shij was originally construeted, and all the treenails driven ont and renewed, such ship may be restored. 13nt if timber of an inferior deseription, or second-land Euglish or African onk or teak bo nised, then for a period not exceeding that. tur which such materials would have entirled a new ship to stand \(\boldsymbol{\Lambda}\) according to the Tables, sulyject, in either case, to the ship being at ali times thereatter kept in a state of etlicient repair. (lor perioblical surves, see sec. B4.)

Mestoration of British North Anerican built Ships und Fir Ships to the Character A.-First Mule.-5.5.* At any time before the expiration of 3 of the number of years beyond the period originally assigned, a ship may be restored to the \(\Delta\) elarseter, on lieing stibmitted to the special survey hareinater deseribed, to be held ly two surveyors, and performing the repairs found requisite.

Requisites for Restoration.--56.* All the bolts in the range of ench deek to be driven out, and the planks taken ont. The upuer deck waterways, and planksheers and spirketting, and the strake next the waterways on the lower deck in the midships to le taken out. In the case of ships finstened with eopper or yellow metal and galvanised ifon, in conformity with the rules, sec. 46 , whice there is 110 poon or forecastle, if the whole of the
jlanksheer and spirketting of upper deck and outside phanking equal to one strake all tore amd aft be removed in way of fastening bolts to each tier of beams, below tho upper deek bemms ; and where there is a poop and forecastle, then if the whole of the planksheors and spirketting of poop, forecastle, and waist, and a strake of outside planking (in way of fastening bolls to upper (leck beams), the entire lengthe of the poop and formenstle, and outside planking equal to one strake ull fore and att be removed in way of fastening bohs to each tier of beams below the upper deck bemms and in all cases a strake of theck next the waterway of eneh leek on buth sides be removed, also the throat bolts of all knees, together with the other regnisitions relating to the bottom, ceiling \&e., the further removal of fasteniness, bolts, und phanks may, umber the sunction of the enmmittee, be dispensed with, provided their condition be carefully ancertnined and favourably reported upon by the surveyors.
The above relaxations, so fir as they relate to the removal of plank and fast enings in the rauge of the lower deek, will be extended to all ships in which all the lower deek fistenings are of eopper or yellow metal. All shenthing to be entirely stripped off. All the outside planking, from the light water-mark upwards, to be entirely dubbed bright. A strake in tho bottom, between the wales and the light water-mark fore and aft, to be taken out. Plankiar, either inside or outside, at the diseretion of the sarveyors, in quantity equal to one entire strake fore and att, on both sides to be taken out in midships immediatdy above the turn of the bilge, and forward and aft at such height as may, in their judkment, hest expose the timbers of the frame to view. The limbers to he clear, and the hooks, transoms, and erutches to be exposed. The windlass to be unhang, and the wood linings stripped; and in that state the ship lo bo submitted to a special surver and examimation, at which the attention of the surveyors is to be particulaly directed to the state of the leeks, the remaining plank of the topsides, the wales, upper courses, and treenails, and other fastenings; also to the state of the frame, lawse timbers, knigltheads, apron, breasthooks, transoms, and erutches, keclsons, floors, foothooks, and ceiling, tho rudder in all its parts und hangings, and also the general sheer and form of the ship. Where the middle line bolts are of iron, their condition is to be ascertained, and if this be not practicable, additional bolts of jroper size must be driven through the keekon, floors, and keel, in each alternate frame, also through the stem, apron, and sternpost.

If, after the above examination, the owner should take out all materials and fastenings that may be found defective. or objected to, and rephace thein with materials allowed by the rules for the period yor which the vessel is to be restored, such ships to be entitled to restoration for a period not exceeding \(\frac{9}{3}\) of that originally assigned to them.

In atdition to the above requirements, ships of 500 tons and upwards must be donbled diagonally from the keel to above the tirst strake of lower deck spirketting. The doubling to be of the thickness and be fastened as preseribed in see. 68. If these regulations be complied with within the first period to which the vessels may be entitled to be contioned, under see. 54, they will be allowed restoration fir a period equal to the number of years originally assigned. The restoration will, in all such cases, date from the termination of the original period; but at the expiration thereof they may be entitled to a continuation of one-third of the period of origimal
designation, muder sec, 5 , Surver No. 1 . the case of doubled ships, or shijes of peculi construction, special npplication may be made the committee. (lior erriodical survers, sec. 31.)
 owner bo desirons to have her restored, sur restoration (on his consenting to the sedia survoy hereinatier deseribed, to be held by the surveyors, and performing the repairs therety lound requisite) will be granted for a periond exereding that originally assigned to her.
Ruyuivites for Restorution.-58.* The whote the outside plank of the vessel to be taken off as low as the second foothook heads. The reminth of the planking, either outside or inside. and an the treemails, together with the derlis mal niatrways, to be removed, so as to expuse the frame and beams entirely to view. The wiumbas to the mhuns, and the wood lining stripped; and in lat state the ship to be submitted to a pprial survey and examinntion, and all materials and fistenings fonnd to be defective must be rylael with materials of the same species, or of equal (undity witl those of which the ship was originalur constructed. 11 timber of an inferior deecription be used, a period not execeding that which weh materiuls would have entitled a new ship to stand A actording to the tables will be gratel. fion perioulical surveys, see sec. 34.)
59. Ships which lave been restored shall be mitiled to continuation, subject to the same conditions of survey and examination as are preserbed for ships pronosed to be continued at the expiration of the period first assigne! to them (sec, 5.1); but in like manner, the term of such extended continnance shall be limited to a period not exceeding : \(\frac{1}{2}\) or \(\frac{2}{3}\) of the number of years for which the ships may respectively have been reitored, without any refercnee whatever to the period origimally assigned to them.
At the termination of the several periodsasigued to ships for remaining on the character \(A\), or A in red, they will have the worl 'expired' insented arainst them; and if not surveved priur to the reprinting of the register bopk, they will appat without any charncter. ('The terms of years nssigned to ships on the character A, launchat prectously to Jaly 1,1859 , also of ships lauached thuring the tirst 6 months of the years \(186^{\circ}, 180^{\circ} \mathrm{l}\), 186:2, and 1863 , will expire on Deeember 31 of the last year of the periods assigned to them respetively. The terms assigned to ships hanncheddung the last 6 months of the years 1859 , 1860, 186 and 1862, will expire on June 30, next after the last year of the periods assigned to them tespectively. In the ease of ships launched on and niter July 1, 1863, the period originally asigned to them on tho \(\mathbf{A} 1\) character will in every cae date from the month in which the vessel maybe lannehed, and will expire at the end of the comesponding month in the year at which the periw askignell terminates.) But if, during the lat twelve months of the period assigned to then, the owners of a ship shall, in consequence of her being abont to proceed on a distant foreigh vorag apply to have her surveyed for contimation of the letter \(A\), or for the charncter \(A\) in red, \(s\) spetind survey shall be held conformably to the rule sic 54 or 60, as the case may be; and if, from the report of such special survey, the slip shall appear to be in all respects in a sound and efficient state, such as is required by those rules, the committee shall, from the perion at which the ship's chatater would terminate, cominue her on the letter \(A\), ot assign to ber the charaeter A in red in accordan with the rules referred to.
r sec, 51 , Survey No. 1. In led ships, or ships of peenliar al applieation may be made to (l'or jeriodical surveys, sex
;7.* lf, at any age of a vesel, az is to have her restoted, suth his eopsenting to the secial \(r\) deseribed, to be hedel ly (ho verforming the repairs thereby vill be granted for a perimplat irginally nswigned to her. Rextorution, -58 . " The whate of : of the vessel to be taken ulf 3 foothook heads. The remande cither ontside or inside, and aid ether with the derks and watero wort, so as to expine the trate ay to view. 'The windlass to be wood lining stripped; and in iip to be submitted to a prial mination, and all materials and to be defeetive must be replaed of the same species, or of cqual e of which the ship was orignally timber of an interior descriptiva d not exceeding that whirls sede have entitled a new ship to stand he tables will be gramted, (fit s, seo see. 3.4.)
ich have been restored shall be nuation, sulyject to the same curand examination as are prestribed yed to be continued at the exneriod first assigned to them (see. mamer, the term ol such extended ald be limited to a petiod not \(\frac{2}{3}\) of the number of rars for 3 may respectively bave been re-- any relerence whatever to the y assigned to them
ation of the several periols asisimet aining on the character \(A\), or \(A\) in have the word 'expired' ineeted and if not surveyed prior to the he register bopk, they will appat character. ('The terass of yars ips on the character \(A\), launctel uly 1,1859 , also of ships lannclied - 6 months of the years 1860,186 , , will expire on December 31 of the e periods assigued to them respas mes assigned to ships launched during hthe of the years \(1859,180^{0} 0,186 \%\). expire on June 30 , next afler the the periods assigned to them \({ }^{n-}\) the case of ships launcticd on and 863 , the period originally asiggthed A 1 character will in every caz month in which tho vessel marbe will expire at the end of the corme b in the vear at which the period inates.) But if, during the hat of tho period assignel to then, the hip shall, in consefucuce of ba proceed on a distant foreign soly her surveyed for contimutioun of for the character A in rect, a sperial held conformably to the mene, he case may be; and if , from the special survey, the ship shall appeas pects in a sound and the commite per by those rales, hip's charact periot at whice continue her the letter \(A\), te, continue her on the in accordan
lie character \(A\) in red referred to.
fin. Ships A. in red.- Ships that have phased as priveds which have or might have been
sigued to them for tho character \(\boldsymbol{A}\) origitually, ing continuation, or for restoration, and shall be had on survey to be of a superior description heng fit for the safe conveyance of dry and eeribhable goods to and from all parts of the worli, hall be clased A in red, as the second deserijtion ithe first class. (For I' 'tish North American built ships and ilr ships, sce Sceond Survey, latter part.)
In all cases in which tho owner may chaim this daracter, the ship must nudergo a special sirby two survevors (to be appointed in gery instance by the committee), one of whom alall be an exclusive ollicer of the society, and te sulgeet in other respeets to a compliance with the mulermentioned requisitions of survey, riz:-
First Surrey for \(A\), in red.-The ship to be either placed in dry dock or laid on blowks, so the the keel may be examined, and he ser:bled or dubbed bricht from the light water-mark miwards, induding the planksheers and waterways, so ats to expose the surface of the plank to view. (lf the thip has been sheathed with worl over felt, Gatued with copper or mixed metal nails, within a pe:ind of 5 years, and the plank trom the light waler-h ark upwards shall, when so sheathed, have been lrightened, aud the comelition of tho bolts. thaking treenails, ant canking ascertanen, and tavounbly reported upon by the surveyors; and provided that the sheathing which covers the binding bolts and raft ports, and a strake of ,heathing all fore and aft on each side under the wale be removed, and listings of sheathing cut unt at hood ends; and the planking, fastenings, and enulking so exposed shall prove to be in good cuadition, then, on applicatiou to the conmitter, the stripping from the light water-mark upwards may be dispensed with; but whenever the sheathin' is removed, the outside planking is to be scraped or dubbed bright, and examined as prescribed by the above rule. If the ship has been sheathed with metal within a period of two vears, and it shall appear to the surveyors that stripping from the light water-mark npwards may bo dispeased with, the case will receive due consideration (application to the committee.) Bolts, if of iron, in number not less in auy case than 6 on caeh side, in each range of the deck fasteuings to be diven out in ships of 500 tons and under, and increased in number in proportion to the size of the slip, and one trecuail to be driven ont in every aterate frame or fourth timber between the apperelge of the wales and plauksheers, and one in every alternate frame or fourth timber beween the upper edge of the wales and the light water-mark, and such other parts of the bottom as the surveyors may direct, so as to enable a judgment to be formed as to the general state of the treenails, timbers, and of the planking at the treenail holes. The hotd to be cleared, and proper stages made both inside and outside. The windlass to be untang, and the wood linings stripped. The attention of the surveyors shall then be particularly direeted to the state of the upper or inain deck and comings, the upper and lower deck bolts, and the outside planks through which they pass, the planksheers, waterways, and beams, so far as they can be examined; the hawse timbers, knightheads, breasthooks, and transoms; the floors and keelsons; the keel, rudder, and windlass; the planking outside and inside, and the trecunils; and the frame and inner surface of the outside phaking, where they can be seen; and the sheer and general form of the ship; the condition of the
mkum and caulkinf also to be asertamed, tur the ship to be cfliciently repuired with suitablo materink as hereimater stated.
The term for which a vessel may lie assig, aed the charater \(\boldsymbol{A}\) in red upon a compliance with the foregoing requirements, will not exceed 3 the number of years bryoul that assigned originally, or on restoration. (For periotical survers, seo sec. 3.
Second Survey for \(A\), in red (rfter two-thirds the number of yeders bryond thet assigued originally, or on Resturution, hate cxpired).- But when a pering of \(\frac{3}{3}\) of the manber of years bevome that originally assignel for a vessid's retaining the A character, or if' a period of \(\frac{2}{3}\) the number of years theyond that assigrom on restoration has Mapsed, an owner bedesirons to have hisship retain, or be phaced upen, this character, application must. hee mate to the committee in writing, who will direct the surver to be made by two surveyors, one of whom shall be an exclusive othere of the socicty; and for the parpose of bolding surli survey, the ship must be placed in dry dowk, or laid on blocks upon ways, so that the ked may to examined; all sheathing to be entirely stripued ofl the botton and elsewhere; all the ontside planking from light water-mark mwards, including the plankheers and waterways, to he seraped or dubberd bright; the timbers of the frame to be exposed to view by the removal of planking equal to one strake fore and aft, on each side, above the wales, either iuside or outside, at the diseretion of the surveyor; a short plank in each buttock; a plank or tisting of sufficient breadth, on cach side, at the diserction of the surveyor, in the ceiliner above the floor heads all fore and aft (or, if the shipowner shonld prefer it, a plank outside at the same height), and a reasounble number of trecmails before and abaft the same, so ns to aseertain thestate of the lower timbers of the frame; and in order to ascertain the condition of the bean ends, either a strake of deck next the waterways on each side to be taken out, or an examination be made by boring, at the option of the shipowner; iron bolts and treenails to be driven out at the various jurts as prescribed above (in the case of doubled ships, or ships of peculiar construction, special application may be made to the committes); proper stages to le made both inside and outside; the windlass to lo: molung, and the wood linings stripped; and when in the state above deseribed, the special survey to be held as above directed upon all the parts exposed to view ; the condition of the oakmm and caulking to be ascertained; the ship to be cfliciently repaired witl suitnble materials, as licreinafter stated. And to entitle them to continue this character, such vessels will be required, in aldition to the usual annnal survey, to undergo a special re-survey, as prescribed above, within a period (from the date of the last special re-survey) not exceeding two-thirds of the several terms of years originally assifued to them, or earlier, if, in the juigment of the surveyors, upon a careful examination of the ship, the same shall appear to then to be necessary. (For periodical surveys, see sec, 34.)

In the repair of vessels for the above character, no materials may be used of a deseription inferior to those allowed in new ships for the 6 years' grade, except in the case of vessels originally classed for a shorter period than 6 years, when materials equal to those used in the original construction will be permitted.

British North American built Ships and Fir Ships. - All ships built in the British North American colonies and all fir ships seeking the character \(\boldsymbol{A}\) in red, must be submitted to the
special survey deseribed in Survey No. 2 for llritish North American built and tir whips, sec. 5.

If in aldition th the examination therein required the ship bo donbled diagomatly, as per sue. tix, from the kal to above the tirst strake of lower deek spirketting, she will be allowed the character \(A\) in rel tor a perion equal to that originally assigned to her ; and in such erases the rencwal of the trecusity from upper part of chueks at second foothook heads to the lower part of chacks at flocer head will not necessurily be required.

In no ease, luwevor, will 11 Iritish Nurth American built ship, or tir ship, of 1 , too toms and eppords, be allowed the character \(A\) in red after the exprimion of twice the mumber of yars origimalle nssigned to her, muless she be doubled diasonally as above.
N. 13 , - At the termination of the several periods assigned to ships for remaining on the character A in red, they will have the word 'erpirad' inserted against them; and if not surveyed prior to the reprinting of the register book, they will appenr withont any character.
61. Ships AE:-Slips that have passed the prescribel age tor the \(A\) charncter, but have not undergone the repairs which would have entitled them to be continued or restofed; or having been continued or restored, aul the additional period thus assigned expiryd, and also such ships as have never had mu original character, which shall be found on survey tit for the conveyance of ary and perishable goots on shorter voyages, shall be distinguished by the diphthong \(\mathrm{F}_{\mathrm{i}}\); and a careful surves will be required to be made ammally, or on the return of the ship from every foreign vovare, by one of the surveyors of this socicty, who is to state distinctly and separately the actual condition of the upper deck fasteningrs, waterways, spirketting, planksheers, topisides, upper deck with its appenduges, lower aleck tostenings, wales, enunter, plank, and treenails outside to the water's edge, rudder, windlass and capstan, beams, breasthooks, tramsoms, and timbers; but if not surveyed within twelse months, such ship having been during that time in some port in the United lingglom, the character will be omitted until such surver be held; or, as the case may be, she will be allowed to pass in the class E.
62. Ships built in the IBitish North American colonies, and all ships wherever built, the frames of which are composed of tir, of 400 tons and above, shall, in order to entitle them to be classed in the register book of the society, be secured in their bilges by the application of iron knee riders, or hanging knees and riders to cover the joints of the floor and foothook heads, to extend from the height of the hold beams to the thoors so as to receive not less than two bolts in a substantial part of the floors; the number of iron knees mind riders to be not less than one of each to every bohd or lower deek beam on each side. The knees to be comected with the riders or not, at the option or convenience of the owners; but if not so connected, the side arms of the knees are to be of the lenutla and to be fastened as preseribed in Table F. The nomber of knees to each deck, and of riders, also their dimensions, and number of bolts, are fully explained in Table \(\mathbf{F}\). All ships built in the colonies will be considered as iron fastened in their centre lines, unless it shall be satistactorily shown to the contrary, cither by the exposure of some of the bolts, or by a certificate to be produced from the builders.
ships which proced to sea without being
fastened with the iron kuoes and rilers preseri l... the rules, will have one year deducted ft the pariod to which they would wthenvise entitled to be classod in the rerister look.
ships built. in the Ilitish North Ameri coloniere, and all ships, the frames of which emmposed of (ir, of tion tons and upwaris, and ships (wherever built) the lengeth of whi (measurad from the fore bart of the stem to after part of the stern-post on the runge of wit drek) shall execed thyo times their exterem
brendth, or eight times and moder nine tim brendth, or eight times and muder mine timater
their depth, shall lave diagomal iron phat closily insertel outside the frame. The sa plates to extend from the upper nite of uparti of hemms to the lower part of chocks at fir foothook heads nmidship, and to the sone perpe dicular height firward and att, measured fo the lower piart of the keel. When ships are ent siructed with long and short armed tloors, th said plates are to extend to half-way betpee lour ilowe hembs and first foothook heals; th sizes of the phintes not to be less thun as follows viz:
In slifis of 100 lons ant under 200 lons
\begin{tabular}{|c|c|c|c|}
\hline 2043 & \(0 \cdot\) & 401 & * 0 \\
\hline 4(1) & 11 & 7110 & \(\cdots\) \\
\hline 7110 & 31 & 1, 1416 & 3 \\
\hline 1,010 & 0 & 1, \(2(1)\) & " \\
\hline 1,500 & & 2,000 & 3 \\
\hline \multicolumn{2}{|l|}{2,000 and above} & \multicolumn{2}{|l|}{,} \\
\hline
\end{tabular}
and to be fistened with lolta, nate timber, not less in diameter than the size given for through butt bolts in Table 1). The plates to he well protected by proper coatiag, likewise the timbers to bo coated in the seve which are to receive the said plates.
The nulaber of plates to be in proportion of not less than one puir to every 12 feet of the ship's entire length taken as above, but not to be mure than 8 feet asumber measured on a sipure; the said plates are to be placed diayonally, at anagle of not less than tis degrees, their tower ends prointing to the after cual of the keel in the afer body, and to the fore end of the keel in the fore body, four pairs crossing each other amidship.

Ail such ships to have shelves and waterrars to cach tier of beams, each equal in contents bi, the transverse sectional area of the beams of thin respective decks at their ends; each of the sid shelyes and waterways to be holted through the outside planking at every timber, with bults of the sizes given in 'Table J): likewise the shifse inside and outwide planking not to be less than feet, unless there be a strake wrought between them, and then \(a\) distance of 5 feet will be allowed.

In ships the length of which shall excee sis times their extreme breadth, or nine times and under ten times their depth, the number of plates must be not less than one pair to every 10 fetul the shipis entire length taken as nbove, bat nut to be more than 6 feet asunder measured on a square, and to be placed diagonally as alure alescribed. In cases where the length of the shif exceeds ten times its depth, the builders of: owners are to submit, through the res.dent surf veyor, for the committee's approval, thoir plas for giving the vessel the necessary strentio longitudinally. And in addition to the requin. ments for ships of five times their bieadth length, such ships must be titted with a ride keelson, or a pair of sister keelsons, at the optio of the owner - the transvense sectional area such rider keclson or sister keelsous each to 1 equal to \(\frac{2}{3}\) of that required in Table \(1 / \mathrm{t}\) main keelsons. If a rider keelson be adopter
iron kuees and riters prescriken lavo ono year dedacted form ielt they would wherwise be sed in the register book. tho Britishi North American ships, tho frames of whichara I tiog tons mul upward, and all buitt) the lenjth of whid he fore part of the stem tu tho itern-post on the range of uppet eed dive times their extreme t times and nuder nine times all have ilingoual iron phates outside the frame. The sill from the upper site of upport the a lower pont of chocks at fiss midship, und to the same perpeno orvard and nit, measured fom the keel. Whens ships ane eonnge and short nrmed thoors, the to extend to half-way between \(t\) nand first foothook licals: the en not to be less than as folloms,
 ged with bolts, one at cach aller. t less in diameter than the size agh butt bolts in 'Juble D. The ell protected by proper coating, mbers to bo coated in the scores eive the said plates. of plates to le in propmetion of not pair to every 12 feet of the slip's aken ns above, but not to be more muler mensured on a square; the to be placed dingonally, at an angle nin tis degrees, their lower ends nfter end of the keel in the ater ac fore end of the keel in the fore s crossing each other anidship. ps to have shelves and waterwars benms, each equal in comtents ty sectional nrea of the beams of thit ks at their ends ; each of the sid terwnys to be bolted through the Hy at every timber, with bolls of (in Table 1): likewise the shithse fide planking not to be less thand ride phanking not to be les betrake wrought betren a a distance of 5 feet will te
lengtl of which shall exceed sis ktreme breadth, or nine times and es their depth, the number of piate ss than one pnir to every to fete ire length taken as above, but not an to feet asumaler measured ea a o be placed diagomally as adore cases where the leugth of the thi imes its depth, the buthers submit, throngh the resalent sur committce's approvnl, their plas c vessel the necessary strentia
And in addition to the requin. ins of five times their breadth in ships must be titted with a rider pair of sister keelsons, at the optiva -the transverse sectional aread clson or sister keelsons cach to be of that required in Table 11 for

If a rider kectson be adeptele
it is to be faslemed with a thromgh bolt (of the size required in Table i) for keelson bolts) in pery framo; or if the owner prefers it, every intermediate bult may bo short, passing through the main noml ridur keelsons. (In all cases int which a rider keelson is littec, it must be fastened as prescribell abov', irrespective of the relative dimensions of the ship.) If sister keelsuns be fited, they must bo fustencel with through bolts, in number not less than ono in every alternate limber, and of the size reduired in 'lable 1) for suupha of keels de.
6.5. Ail Ilritish North Amorican luilt ships, whiel have gone, or may fo ofl the list of ships of the A character, or which may be of an aro racecting the periol for which they might have had chaims to be put upon that grado (whether dissed or not), shall, as from timo to time they came under examination, be subjected to a carefulsurvey, to be mato by one of the surverors to this society; and no further character shalk be awignell them unless a survey shall bo hedd ns fillows; and planking, cither inside or outside, nt the discretion of tho surveyors, in quantity equal to wne entire strake fore and aft on both sides, siall be removed; to be taken out in midships immediately abovo the turn of the bilge, and at snd height forwarl and aft as may, in their julisment, best expose the timbers of the fraine to view; that a special report of the state of these timbers, and of the general state and conlition of the upper deck fastenings, waterways, spirketting, plaubsheers, topsides, upper deck with its appendages, lower deek fustenings, wales, munter, plank and treenails outside to the water's elige, rudder, windlass, and capstan, beams and lieastheoks, slall be transmitted by the surverors to the committce; anit on the receipt of such report tho character shall be assigucl. If the \(E\) charaeter be then assigned, it shall be ontinued (sulject to an ammal survey) for a perid not exceeding the number of yents origihally assigned ; at the expiration of which the character will be ctiscontinned, unless a similar surce aad examination of the frame be again ablmittel to.
61. Ships \(E\) will comprise all ships which shall be found on survey fit for the conveyance of cargoes not in their nature subject to sen damage tonany vorage.
(i.). Sulject to occasional inspection, at lenst ance in cvery 2 years, ships will continue in this dass so long ay their condition shall, in the minion of the committee, entitle them thereto.
i6. Ships 1 will comprise ships which shall le foumb on survey fit for the conveyance, on Werter voyages (not out of Europe), of cargoes in their nature not subject to sendamage.
6i. The bottum of every slip is to be caulkel ance in every s years, unless wood-sheathed and fethed, and then onco in every 7 years, exeept in the casc of teak-built ships, upon which a special strey may have been requested, and the surrefors having ascertained, by the removal of a strake of sheathing fore and nft under the wales, and a strake at the first foothook heads, and by causing listings to be cut out at the wood's end, that such caulking is not required, the same may then be dispensed with. In cases where ships have been doubled with doubling of less thickness than is required by, or not fastened in accordance with, the rules, it will not be imperative that such doubling be stripperl at the expiration of 7 years, as required for ordinary sheathing; but if, upon sarvey, the doubling be found in good condition, the period for its remnining on may be extended, with the sanction of the committee, to a term not
exceeding 10 years, provided the doubling below the wales be copper or yellow metal fastencyl or treennilel. If my ship shall be"striped within the periods above mentioned, her bottom is to be canlked, if necessary.
68. In all cases in whteh ships may be alouhlah, doubling of not less than tho thiekness hervinafor mentioned will be required, the same to be properly wrought and fastenci as follows: in evers instance the doubling is to bo at lenst silughe fastened cither with treenails wr with bolts, and a throngh beit in every lontt. Ships hereafter loubled, if the doubling be iron fastened, will lose their elaracte:, if such fastenings be coprpereal wer. If trechails be usen, every treemail innst, if practicable, be a through fastening; and if bolts he used, then \(\frac{1}{1}\) of then from the luwer part of the bige upwarils must be through nud elenched on the ceiling in adatition to the butt* botts. In all cases of doubling, the rudiler braces are to be removes.
The thront bolts of iron knees, nul the boits of iron lowks, crutches, nad pinters, must he renewed through the doubling.
The thiekness of the doubling; for the wates and bottoms, on ships
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Of
(ini) " nind umiler fillo tons.
(iil) ": ond atore

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On the tupsilles of shisis not exceening 300 tons, the thiekness may be it inclses.

If the doubling bo npplied diagonally, it will be allowed to be of the following thicknesses, viz.:-

In shipe uniler :000 tans


No ship liereafter doubled shall be entiiled to the character \(\mathbf{A}\), or \(\boldsymbol{\Lambda}\) in red, unless at the time of cloubling it be ascertained, in cither case, that the frame is capable of sceurely retaining the fastenings, by one treenail being driven out in every nlternate frame or fourth timber between the upper edfe of the wales and the light-wnter mark, and at such other parts of the botton as the surveyors may direct, so as to enable a judgment to be formed as to the gencral state of the trectaits and timbers, nnd of the planking in the treenail holes; or should the state of the trecnails indicate iffective timbers, or should the outside plank be bolt-fastened, then, by cutting out listiugs or plank at the diseretion of the surveyor.

Pingonal doubling on ships buitt in the British North American colonies, or on ships built of tir, is to be fastened as under, viz. :-

If worked not above 11 inches broad may be simgle fastencd with a through bolt at every butt, every tifth fastening to be a through boit or a through trecmail of hardwood; the distance between these through fastenings not to exceed 4 fect 6 inches. The remaining fastenings to consist of through trechails or 2 long and 2 short llamp, bolts; the length of the short dumps may be \(t\) an inch less than the combined thickness of the doubling and the original outside plank, and that of the long dumps to be not less than the thickness of the dcubling added to twice the thickness of the original outsite plank.

Before doubling, the original fastenings in the outside planking and the rider bolts should beasecrtained to be in ellicient condition, or be mado good, but all treenails, from the lower part of the chocks at the floor heads to the upper part of the cloocks at the second futtock heads, throughout the linges for one half the length of the slip amittships, shall be renewed through the original inside and outside planking with hardwood treenails, unless such
treenails were originnlly of hardwood or have been recently renewed-then application may be made to the conmittce with the view of dispensing with this requirement. In all eases the thront bolts and the bolt next thereto in the lron knees and riders must be renewed through the doubling. Tho upper ends of the dingonal doubling to be worked against a fore and aft strake of donbling, the upper edge of which is to be let into the original plank sufficicut to form a caulking seam, say not less than \(1 \frac{1}{2}\) inch. The lower ends of the dagonal doubling to be worked ngninst 2 strakes of fore and aft doubling, the lower edge of the low er strake being rabbeted into the keel, and to be not less in thickness than one-and-a-hal times the thiekness of tho doubling. All diagonal loubling to be of rock elm or of equally suitable material, and be wrought on hair felt.
69. Iron-fastened Ships.-All ships, although iron-fnstened (except as hereinafter mentioned), shall be classel in the same manner as copperfastened ships, so long as they remnin unsheathed with copper, provided they are, in nll other respects, constructed in nccordance with the rules; but when sheathed with eopper over the iron thatenings, the words 'coppered over iron bolts' shall be added to the character in the register book, and continued until the ship be thorouglily copper-fastened.
70. Ships built in India, although fastened with iron, shall be permitted to be e ppper-shenthed without any mark being placed in the book, provided the bottom be felted or chunamed and wood-sheathed, and subjected to a careful examination of the iron fastenings on every occasion on which the shenthing is stripped oft, for which purpose some of the bolts and nails are to be taken out of the lower part of the bottom, and to be seen by the surveyor; but no such ship shnll be permitted to continue cither on the \(A\) or on the A in red class for a longer period than one-half the number of years beyond the term originally assigned for her remaining on the \(A\) charneter, unless the bottom shall have been doubled, or the whole of the iron fastenings taken out or properly secured, and the bottom refastened with bolts, or treenails, or both. including the middle line, breasthook, and crutch bolts.
71. Equipment.-All vessels are required to have their masts, spars, and rigging, the rudder, pumps, winillass or capstan, seuppers, and hawse pipes, in good order, and sails in sufficient number and in good condition.

Windlasses, if of wood, are in all cases to hrve a square iron spindle passed right through them, the diameter of the spindle to range from \(2 \frac{1}{2}\) to 5 inches, according to tonnage.
72. Every ship is to be provided with anchors, cables \&c., of approved quality, properly tested at a public machine (sec notice in Appendix at end of register book), in number and length, as set forth in the society's Table, No. 22 annexed. (Sce also sec. 32.)

A certiticate of all chains and anchors having been tested, and of the strain applied to them, must be produced before the ship is classed
73. The length and condition of the chain cables are to be ascertained by removal from the lockers on every special survey for classification.
74. In all cases where hempen cables pre used, \(\frac{1}{3}\) more in length will be required.
75. Bouts.-All vessels cinder 150 tons to be provided with one good boat ; and every vessel of 150 tons and above to have a suitable number.
76. The efficient state and condition of the whole of the ships' equipment will be designated by the figure 1 ; nnd where the same are found

Insufficient in quantity, or defective in quality, the figure 2.
77. Ships navigated by Stectm.-Steam ships as to be subject to the same periodical survers a sniling vessels, and whenever the boilers are take out, the vessel is to be subinitted to a particula and specinl survey, in order to ascertain he general condition.
78. That with respect to the boilers and mi. chinery, the owners are required to produce to the survejors at the above-directed surveys, a cop. tilicate from some competent engineer, descrilw, their state and condition at those periods; antlo which certillcate it is desirable there should be a description of the particulars of the same, as for as may be practicable, in the manner and form annexed, No. 8: to be appended to the report of survey, and delivered to the committee, who wia thereupon insert in the register book the lettet: ' M.C.' denoting that the boilers and machinery have been inspected and eertitled to be in gomil order and safe working condition; but if no crtltiente of their condition be furnished by the owne or master, then no character can be assigned for the machintry:
79. Hull.-The surveyors are directed to i . amine and report the scantling of timbers, plaak, and fastenings, and to state where built, and br whom, in the same manner as directed for salifi; vessels.
80. The surveyors are required to report the number, size, length, fastenings, and mode of arrangement of the engine and boiler sleepers, and the description of timber of which they are conposed, and whether dingonally trussed with wood or iron, and to what extent ; the length, size, and fastenings of shelf-pieces and paddle-beams; and whether the vessel be constructed with sponcings, and how they a: formed ; and to give the lengib and shifting of the plank outside and iaside.
81. Materials and Equipment.-The surveyor are to examine and report the number and description of the masts, sails, anchors, cables, hawsers, warps, and boats, as directed to be done for sailing vessels. For weight of anchors, size and length of chains, see Table No. 22.
82. The surveyors are to be particular in esnmining and reporting the condition of the beats of all vessels employed in carrying passengers.

Foreign-built Ships.-It having beca deemed desirable that foreign-built ships, which have not been constructed in accordance with the rules of the society, should nevertheless be entered in the register book with a character of efficiency if their condition be such as to entitle them thereto, the following regulations have bcen adopted for their survey and classitication, viz.:-

Foreign-built ships which have not been constructed in accordance with the rules, and hare not been surveyed by the surveyors to this society while building, for which the owners are desirous of a character of condition or efficiency for seagoing purposes, will be surveyed for entry in the register book on application being made to the committee, in writiog, stating the nome of the vessel (and if at any time she had any other name, such is to be inserted in the application) ; likerise where and when she was built, and her lengith, breadth, depth, and tonnage (whether British of foreign).

The committee will then direct a special survey to be held by two surveyors, to be sppointed in every instance by the committce, one of whom at least shall be an exclusive officer of the societr, and the ship submitted to a compliance with the undermentioned requisitions of survey, viz.:-

In all cases the ship must be placed in dry
ty, or defective in quality, ing
d by Steam.-Steam ships ate e same perlodienl surveys a vhenever the boilers are taken be submittel to a particular in order to ascertain het
speet to the boilers and maare required to produce to the above-directed surveys, a cpr. :ompetent engineer, descrido. dition at those periods; mand t. is desirable there should be a pnrticulars of the same, ns tar ble, in the manner and form be appended to the report red to the committee, who will n the register hook the letter hat the boilers and machinery ed and certitled to be ingowl king condition; but if no erttlition be furnished by the ownet o character can be assigned for
surveyors are direeted to exthe scantling of timbers, plaik nd to state where built, and his manner as directed for sailins
yors are required to report the gth, fustenings, and mode of arengine and boiler sleepers, and timber of which they are comher diagonally trussed with wood lint extent ; the length, size, and elf-pieces and paddle-beams; and el be constructed with sponcings, formed ; and to give the length he plank outside and insile. and Equipment.-The surveyots and report the number sud dee masts, sails, anchors, cables, and bonts, as directed to be dune els. For weight of anchors, size anins, see Table No. 22. eyors are to be particular in exporting the coudition of the beals ployed in carrying passengers. Ships.-It having been deemed oreign-built ships, which have out d in accordance with the rules of uld nevertheless be entered in the th a character of efficiency if their ch as to entitle them thereto, the ations have been adopted for their siticntion, viz.:-
ships which have not been corordance with the rules, and hare yed by the surveyors to this societ! for which the owners are desirolis of condition or efficiency for ses will be surveyed for entry in the on application being made to the writiag, stating the name of is \(t\) any time she had any other name, serted in the application) ; likewis en she was built, and bet lengith, and tonnage (whether British ot
ee will then direct a special surver two surveyors, to be appuituted in by the committce, one of whom at an exclusive officer of the society, abmitted to a compliance with the d requisitions of survey, viz:-the ship must be placed in dry
dwe or laid on blocks, so that the keel and bottum may be seen and properly examined; the hold to be cleared, nud proper stnges to be made both iuside and outside; the limbers to be cleared, bolls and treenails to be driven out at different pats of the ship, and in sutficient number to malle the survevors to ascertain their condition the condition of the plank nud timbers in the treanail holes nlso to be aseertained; the beam enly in ships of 4 or more years old must be exsumed by boring. The surveyors must then examine and report upon the shij), as to the state of the timbers of the frnme (where examined), plankthe inside and outside, decks, waterways, benms, kues, keel, keelsons, stem, apron, hawse timbers, widthends, brensthooks, transoms, ruclder, nui widdass, the sheer and general form of the ship, naticulars of materinls and senntlings, so far as they can be ascertained, and spneling of timbers ad beams, thickness nnd shifting of plank, mode dastening, sizes and condition of bolts and treenails, und state of caulkiug in all parts of the rescl.
survey No. 1. If the ship is less thnn 4 yenrs diha isting of not less thinn 4 inehes wide and equal to \(\frac{1}{3}\) of the length of the ship on eneh ifie, to be cut out below each set of clamps or helres in such parts as the survevors may require, suficient to enable them to ascertain the size and condition of the frame.
Surcey No. 2. If the ship is 4 or more yenrs Whshe must be scraped bright from the light rater-mark upwards, including the planksheers and waterways, and a listing of not less thnn 4 inehes wide must be cut fore and aft below each st of clamps or shelves, and at the bilges at the discetion of the surveyor, and a short listing outside at each buttock. This must apply to all ships of tor more years old, whether they have had the sthor listings previously cut or not.
If after such examination all repnirs are done whe satisfaction of the surveyors, so as to enable them to make a froourable report, a class of efticiener will be granted by the committee, and there! in the register book, which clnss will be retained for 12 months only, unless it shall be made to appear by the owner that the ship has not been in any port in the United Kingdom during that period; but in no case will it be continued for more than 2 years, unless tho vessel be resarreyed as above; but upon such re-survey the opeaings described thercin will not be required to mpeated be within a period of 4 years.
There will be three designations of condition or ibatacter, üstinguished thus:
1 F
2 F
3 F

1 F denotes ships which are found on survey to be of a superior description, fit for the conveyance ofdry and perishable goods to and from all parts of the world.
2F denotes ships which, although not equal to the foregeing, are nevertheless found on survey to be in a good and efficient condition, and fit for the conreyance of dry and perishable groods, on shorter roraces.
3 F denotes ships which shall be found on surif fit for the conveyance of enrgoes not in their ature subject to sea damage.
It is to he distinetly understood that the foregoing regulations will be contined in their appliation to foreign-built ships.
To entitle the ships to the fig. 1 , they must be supplied with stores in accordance with Table 22, atlached to the rules.
Xo one can question the advantages that re-
sult from carrying n plan of this sort completely into executlon, or those that have already been derived from the extent to which it has been carried. We confess, however, that we incline to think that the clnssitication of ships should be effected by Government ngents. It is invidious to impose on one set of merchants and shipowners the tusk of deciding upon the condition of the ships or other property belonging to others; and, though we have every confidence in the integrity of the gentlensen composing tho eonmittee, the most honourable taen are linble to be influenced by an esprit la corps, and by insensible blases. We, therefore, ennot help thinking that the scheme would have \(n\) much better chance of success, and that the classification would be more likely to the correct, were it managed by individuals nowise connceted with business. The surveyors, on whose capacity nal honesty the whole scheme principally depends, should be quite independent of the grood or ill will of those on whose property they have to report. But can that be suid to be the case nt present ? and con it be fairly presumed that merchants or shipowners will deal by the property of their friends nad neighbours ns it might be deult with ly ollicers nppointed by, and resumasible only to, Govermment? We npprehend that both these questions must be answered in the negative; and hence our conviction that this is a matter in which Govermment should interfere. No one enn doubt thant it is bound to do everything in its power to promote the safoty of unvigntion, and to preserve the lives of our senmen. In this view it ereets lighthouses, and prescribes regulations ns to pilotage ise. lhit, how indispensable soever, these are not more essentinl to the interests of novigation than a proper clnssification of ships ; nud, if other menns should fail fully to effeet this desirable purpose, Government will certainly neglect a most important duty if it do not interpose. In the meantime, however, the merenntile and shipping interests are deeply indebted to the gentlemen who have done so much to obviate the abuses of the old system. (For a further disenssion of this important question, see the article on the 'Frequeney of Shipwrecks,' in the 12:nd number of the Edinburgh Review; see also the Reports of the Commons Committees of 1836 and 1843 on Shipwreck, and other Parliamentary Pupers.)

\section*{III. Sill's (Safety of).}

The self-interest and the security of the owners and masters of ships may, perhaps, be supposed to afford the only real guarantee against the occurrenee of accidents. But this guarantee is not always, nor perhaps in most instnnees, to be depended upon; and to obviate in as far as possible the calamitous results that might be occasioned by the carclessness of owners and the ignorance or misconduct of masters, the Legislature has cancted certain rules in the view of securing the proper fitting ont of ships and their management. But it is needless to say that a vast deal depends in such cases on the way in which the rules are enforced. And it were better that they did not exist at all, and that passengers and others were left to depend on their own estimate of the parties, than that they should be taught to place an undeserved relinnce on rules which are not properly carried out. The following rules on this subject are embolied in part of the Mereantile Shipping Aet of 1854, the 17 and 18 Vict. e. 104 of the Merchant Shipping Act and Amendment Aet, \(25 \& 26\) Vict. c. \(63 . \quad\) (See also Anciors and Canles.)

Application of Part IV. of Act 17 \& 18 Vict. 4 m 2
c. 104.- The fourth part of this Aet ahall apply to all liritish ships; and all fureign steam ships carrying passengers between places in the United Klngdom, shall be subject to nil the provisions containd in the fourth part of this Act, and likewise to the same provisions with respect to the certiticates of the masters and mates therenf to which Uritish steam ships are smbject. (Sec. 201.)

> Becita for Sea-going Ships.

Rules as to Boats and Lije Buoys.-The fullowing rules shall he obscrved with respect to bouts mud life bnoys, viz.:-
1. No decked ship (except ohijps used solely as steam tugs and ships engaged in the whale tishery) shall proceed to sea from nuy place in the United Kingdom, unless she is providel, according to her tomage, with boats duly supplied with all requisites for nse, and not being fewer in momber
nor less in their eubic contents than the boat number and cubic contents of which are apecil In the following Trable:
2. No ship carrying more than ten pasemay shall proceed to sen from any place in the l'm Kloridom, unless, in addition to the boats abon required, she is also provided with a life boat fo nished with nll requisiten for use, or unless une her hoats above reguired is rendered buoyant of the manner of \(n\) life loat:
3. No such ship as last aforesnill shall primet to sen muleas sho is also providend with twa buoys: and satch bonts antl lite buoys shal b kept so as to be at ull times lit and realy fire provided, that the enactments with resper bonts and lifo bnoys herein contained whall apply in any ease in which a certitieate has hor Chly nbtnined under the 10th sec. of the ' 1 'issengers' Act,' 1852 (the \(15 \& 16\) Victo s. 10). [1'assenakhas.] (Sec. 3り!.)

Number and Dimensions of Bunts with which Seagoing Ships are to be Provided.


Note.-In sailing ships carrying the number of boats above specitied, and steam ships carrying the larger of the two numbers above specified, the bonts are to be consillered sutficient, if their aggregate cubic contents are equal to the aggregate enbic contents of the boats specitied.

In steam ships carrying the smaller of the two numbers above specified, one of the boats mist be a launch of the eapacity specified in eol. 2.

In sailiug ships of 200 tons burden and under, not carrying passengers, a dingy may be substituted fur the bont in col. 1 .

In sailing ships of 150 tons burilen and uniler, not carrying passengers, a substantial bont of capacity sufficient to carry the crew may be substituted for those above specified.

In all steam ships, two paddlebox boats nay be substituted for any two of the bonts in col. 3 .

Penalties on Mustcrs and Owners \&'c. neglecting to provide Boats and Life Buoys. In any of the following cases, viz. :-
I. If any ship herein required to be provided with boats or life buoys proceeds to sea without being so provided therewith, or if any of anch boats or life buoys are lost or rendered untit for survice in the consse of the voynge throngh the wilful fault or negligence of the owner or master ; or,
\(\%\) If, in case of any of such boats or life buys being accidentally lost or injured in the course of the voyage, the master wilfilly neglects to replace or repair the same on the tirst opportunity; or,
3. If such boats and life buoys are not kept so as to be at all times fit and ready for use; Then, if the owner appears to be in funlt, he shall
incur a penalty not exceeding 1001 , and if in master appears to be in fault, he shall incur penalty not exeecding 501. (Sec. 293.)

Officers not to clear Ships not complying vil the above P'rovisions.-No oflicer of custurns ithas grant a clearanec or tra esire for nuy shiph kerif required to be provited with, boats or with lif buoys unless the sane is duly so provideliand any such ship attempts to go to sea witheut sin clearance or transire, any such stlicer may denife her until she is so provifled. (Sce. 294.)

\section*{Lights and Fog Signals, und Mceting and Pus} Build and Equipment of' Steam Ships.
Iron Steamers to be divided by Water-tight Pa titions.-The following rules shall be obern with respect to the build of iron stam slif viz.:-
1. Jivery steam ship built of iron, of 1010 or upwards, the buililing of which conmenexy after August 28, 1816, and every stcam stip bui of iron of less burden than 100 tons, the builite of which commenced after Angust 7, 18.31 (exem ships used solely as steam tugs), shall be diribe by substantinl transverse water-tight partilum si) that the fore part of the slip shall be separate from the engine room by one of such paritiva and so that the after part of such shij shall b separated from the engine room by auther in in martitions:
2. Every steam ship built of iron, the bridion of which commences afte: ;he passing of this th slonll be divided by such partitions ss aforat into not less than three equal parts, or as nearty. as circumstances permit:
3. In sueh last-mentioned ship each such \({ }^{4}\)
whic contente thay the boate th e contents of which aro specifis l＇nble：
rving more than ten pascespen ien from nny pluce in the L＇numel ，in nddition to the boats abore lso provlded with a life lwat furs equisites for unt，or unless wee？ recuired is reniered buoyant ufte like bont：
ip ns Inst nforesnill shall prones ic is nlso provided with two ib ch bonts and lite buoys shail be nt all times itt nud reaily for ne the enactmentes with respect buoys herein containem shath tin which a eertiticate has bon under the 10 th Nec．of the t，＇ 1852 （the \(15 \&\) If Vist \(c, 4\) Nukus．］（See．2い！）

Ships ure to be Prorided．
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{5}{|c|}{Concms 3} & \\
\hline \multicolumn{5}{|l|}{To be carried ly Nteam hifpe wheth din not carty the hoal lin col．\(\%\)} &  \\
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\end{tabular}
ty not exceeding 1001，and if is to be in fault，he shall jnur ceceling 501．（Sec．293．） to elear Ships not cumplying in visions．－No oflicer of custerns bas ance or trn asire for any shiphetion e provided wits，boats or with lifif the same is chuly so probidel；and pattempts to fo to sea withourt sury ransire，any such othicer may
og Signals，and Meeting and Pass nd Equipmont of Steun Ship． ers to be divided hy＂ 1 ＂ater－tight Pur fullowing rules shatl be derfer to the build of iron stem thif
tenm ship built of iton，of 1 ont the building of which commencer 28，1816，and every stcam ship buil s burden than \(100^{\circ}\) tons，the biultion mencel after August 7， 1831 （esm） lely ns stenm tugs），slaill be diride nl transverse water－tighi partition bre part of the ship shall bes separa： cine room by one of such parititim the sfter part of such slip shat？ m the engine room by auother of sio
steam ship built of iron，the buidio imences aftc：：he passing of this ided by such partitions as aturer than three
nces permit
last－mentioned ship each such is
fition as afore atald shanl be of equan streugth wilh the side plates of the ship with whileh it is in whitact：
t．Fisery serew atenot slip built of iron，the gilding of which eommences after the passing of ，this det，whill la milition to the nbove partilions， be fittel with a manall water－tight compartment inclusing the ufter extremity of the shaft：
and no whicer of customs or other purson shall rant a clearance or trnasire for any iron stenum thip required to be divided or fitted as aforesald， muless the anme is so divided and ittted；nul if nuy auch ship antempts to jly or go to nea without such deatance or transire，nuy such ollteer may detinin ber until she is so divided and fitted；nnd if uny werm ship herein reguired to be so divided or thterd plies ar goes to sen withont being so divided or fittel，the owner shall incur a penity not exceed－ ine 100t．（Sec，300．）
The following are the regulations for preventing collisions at sen，embodied in Table Cnppended to the 8540 Vict． c .63.
Art．I．Preliminary．－In the following rules aery stemus ship which is under mail and mot under ateaus is to lec consillered \(n\) railing ship； bual every stean ship which is muder atemm， whether under suil or not，is to be considered a ship under stenun．
Art．2．Rules coneerning Iights．－The lirlats membitined in the following neticles，mul no others， shall be carried in all wenthers between smaset and sunrise．
Att．3．Seagoing steam ships when under weigh shall carfy：
（a．）At the Foremost IIecth，a bright white light st tixed as to Hhow min niform and mbroken light wet an are of the horizon of 20 points of the com－ pass， 50 fixed as to throw the light 10 points on ench side of the whip，viz．，from right aliend to 2 points abaft the beam on cither side，and of such a character as to be visible on \(n\) dark night with \(n\) deat atmosphere at a listance of at least tive sailes：
（b．）On the Starloard Side，a green light，so constracted as to throw a miform nund mibreken light over an arc of the horizon of ten points of the compass，so fixed ns to throw the lighit from right ahead to two pointsabaft the beam on thestarboard side，and of such a character as to be visible on a dark night with a clear atmosphere at a distance dia least two miles：
（c．）On the Port Side，n red light，so con－ structed as to show nu uniform mibroken light over an are of the horizon of ten points of the compass，so fixed as to throw the light from right ahead to two points nbaft the heam on the port side， sad of such a character as to be visible on a dark night with a clenr atmosphere at a distance of nt least two niles：
（d．）The said green and red side lights shall befitted with inboard screens projecting at lenst three feet forward from the light，so as to preveut these lights from being seen neruss the bow．
Ani．！Steamships when towing other ships shall carr：the bright white mast－head lights vertically， in addition to their side lights，so as to distinguish them from other steam ships，Each of these mast－head lights shall be of the snme const action and character as the innst－head lights which other steant ships are required to carry．
Art．oj．Sailing ships unter weigh on being towed shall carry the same lights as steam ships under weigh，with the exception of the white mast－head lights，which they sliall never enrry．
Art．6．Whenever，as in the case of small vessels during bad weather，the green and red lights caunot be fixed，these lights shall be bept on deck
on their respective sites of the vessel ready for instant exhibition，and slanll，on the approach of or to other vessels，be exhihited on their respective sides in nulticient time to prevent collision，in such manner as to make them mont visible，mind no that the green light whall not bo neen fin the port side，nor the red light on the starbont side．
To make the ose of these prortable lights mora certnin and eany，they shall ench be painted ont－ side with the colone of the light they respectively contnin，and shall be provided with suitable serepins．
Art．7．Ships，whether atenm shipis or nailing alijps，when at anchor in rondstends or fairwnys， shall between mamrise and sumset exhibit，whern it can beat be meen，but at a height not exceeding twenty feet above tho hull，a white light in it globular lantern of eight incles in dianetor，and so constructed ns to nhow a clear uniform and minbroken light visible all romad the horizon，nud at a distunce of at least one mide．

Art，8．Sailing pilot vessels shall not carry the lights repuired tor other sailing vessels，but shall earry a white light at the mast hend visible all round tho horizon，and sisall also exhibit a tlare－ up lifht every fifteen minutes．

Art．9．Open fishing borats and other open boats whall wot be required to carry side lights required fir other vessels：hut whall，if they do not carry such lighes，carry a lantel：？having a green slide： on the one side mind a red slute on the other side： and on the approach of or to otfier vessels such lnatern shall he exlibited in sulleiont time to prevent collision，so thint the green light shall not be seen on the port side nor the red dight on the starbonrd side．

Fishinit vessels and open boats，when at nnelor or nttached to their nets and statiomm，shail exhibit \(n\) bright white light．
lishing veasels and open bunts shall，however， not be prevented from using a tlare－upin aldition， if considered expedient．

Art．10．Rules coneerning Fog Signals．－When－ ever there is fog，whether by day or night，the fog signals described below shall be carried and used，and shall be sounded at leist every tive minutes ；viz．：－
（u．）Stenm ships unter weigh shall use a steam whistle placed before the funmel not less than eight fiet from the deck．
（b．）Sailing ships under weigh shall use a fog
（c．）Steam ships and sailing ships when not under weigh shall use a bell．
Art．11．Stecring and Sailing Rules，－If two sailing ships are meeting end on，or nenrly end on，so is to involve risk of collision，the helins of both shall be put to port，so that each may pass on the port side of the other：

Art．12．When two sailing ships are erossing so as to involve risk of collision，then it they have the wind on dillerent sides，the ship with the wiud on the pert side shall keep out of the way ot the ship with the wind on the starboard side， except in the ense in which the ship with the wind on the port side is close hauled and the other ship free，in which case the latter ship shall keep out ot the way；but if they have the wind on the same side，or if one of them has the wind nft，the ship which is to windward shall keep out of the way of the ship which is to leeward．

Art．13．If two ships under steam are meeting end on，or nearly end on，so as to involve risk of collision，the lelnis of both shall be put to port， so that each may pass on the port side of the other．
Art．14．If two ships under steam are crossing
sor an to luvolve rink of collision, the chig which has the other ou her own sturboard sido shall keep ont of tho wny of the other.

Art. I.i. If two alijps, one of which is a sailing shipe and the other antenm ship, tre proerenting in sach tireethone an to buvolve rink of eollision, the stonith ship, shall kerp out of the wiyy ol the mailing mip.

Art, 16, livery steam whip, when mproneling another ship mo as lo juvolve riak of collision, shall shackell her aperd, or, if neepsary, stop mul revorse; and every sternin shije shall, whell in \(n\) loge go at a monderater xamed.

Art. 17. Every vesmel owertaking any othor ressel shall heep ont of the wiy of the mial lastmentimed veswal.

Art. 18. Where hy the nhowe rules one of twa ahips is to here ont of the was, the other shall leery her eourser subjeret to the gualitientions contained in the following atiele.
Ari. 1!!. In obeving mill comatring these maks dae regaril mant be had to all dangers of mavigation; and the regard must also be had to mise apecial ciremostances which may exint in miy particular case rambring a depirture from the above rales necessary in order to avoid inmediate dintger.
Art. © 0 . Nothing in these rules shall exmurato my ship or the owner or mastion of erew thereot from the consergenees of muy meghert bo carry lights or sigmals, or of my neghoct to keep a propur look-ont, or of the negleet of misy prochation which may be rejuired by the ordimaty practice of seamen or loy the specinleiremastances of the casc. [Combiston.]

E'quipment of Steam Nhips,-Storm whips slanlt be provided as follows (lhat is to say): -
1. Divery steam ship, of whirli a survey is hereby reguired, shall be provided with a salicty valve ugon eneh boiler, so constructed ins to he ont of the control of tho י日ginerer when tho stemm is up, and, it such valve is in adilition to the ordinary valve, it shall be so eonstructed as to have an arion bot less mad a pressme mot greater than the area of and pressure on that valve.
2. Evory rea-going ste:m ship employed to earry passengers shath base her compases proproly mijusted from fiase to timse ; such mijustment, in the case of ships surveryed ns after mentioned, to he made to the satistartion of the shipwright surveyor, and according for such regulations as may be issued by the lonard of 'I'rade.
3. Every sett-guing stam ship (maless used sulely as a stemm thes) shall be provided with a hose admped for the purpuse of extinguishing tipe in ans part of the ship and conable of being conmeted with the engines of the shijp.
1. Verery som-gribg ship emploved to eary piasengers shall be provided with the following means of making sigmals of distress ; viz. 12 lhue lights or 1: port tires, and 1 cmmon with ammunition for at leant 12 charrase, or, in the dimerotion of the master or owner of smeh ship, with such other means of making sigmals (it any) as may have previonsly been approved by the hoard of Trade.
i. Evory home trade steam ship employed to earry passengers by sea shall be provided with such shelter for the protection of leek passengers (it any) as the board of Trade, having regaril to the nature of the passage, the number ot deek piassemgers to be carried, the season of the year, the safety of the ship, and the circumstances of the case, may require:

And if any steam ship as aforesaid plies or goes to sea from any port in the cmited Kingiom without being so provided as herein required, then
for ench tlefault in any of the nhove reynivitesthe owner whall (if he appears to bo inf fanle) incur a
 (if he appears to tre in finult) ineur a promity mon

P'rmalty, for improper W'eight on Sufety Vialre, If any gerwin places an molie welght on the mators valve ot may ntemin ship, or, int the eave of mans shijm survoyed as heremafter mentioned, meraw sheh welght beyomel the limits theed by surk mo. filncer surveyor as hereinafter ment fiusid, he shall. in adilition to any other linbilities he may mon by so sloing, lneur a penalty not execering low (Nec. 3t2.)
Every steam ship whel is required ly the 1 ir \& in Dide e, 10.1 to have a master posswang 1 errtiticntr, shall also have an enginerer or emginets boserssing a vertilicate or certitlemters from the


\section*{Survey of l'assenfer Steumers.}

Inefinition of P'ansemerer Stcumer.- Fior the pure pose of the enasimens herein contained with reswe tosirveys and cortilieates of passenger stramslip, the word 'pmanengers' shall bo held to indule any' prosons carried in a stean whip, wher than the master and rew mud tho nwor \(r\), his fanily and Nrvants; and the expreskion ' passenger steamer' shall be hell to inchide every Iritish stam whip carrying passengers to, from, or hetween my phan or pluces in the United Kingolon, exceptimp stann ferry bonts working in chains, commonly callow steant bridges. ( 17 \& 18 Vict. e. 111 w. ilin.)
Pussenger Stiomers to be sureryedi-livery passenger stenumer shall be surveyed twice at laint in ench year in manner after meationed. (Ne: 304.)

Board of Trude to apwint Surreyors and fir their Remuncration.-The doard of Trade may from tinne (o) time appoint such number of tit mid proper permons to bo alaipwright surveyors and engineer surveyors for the purposes of this det at such ports or places as it thinks proper, and maty also nppoint a surveyor-general fir the Linted Kingelom, mal may from time to tima: fenwe suela shrveyors or myy of them, and nay from time to time tix and alter the rates of remmeraion to be receivel by sueh surveyors, (Sce. : ithi.)

Surregors to hare Power to inspect.- It whallhe lawtinl for the anial surveyors in the excmuting of their chaties fo go in bonrel any stemm whip at all reasomable times, and to inspect the same os any part thereof, or nay of the machinery, vats, equite ments, or artieles on board the reof, up any cerinio. cater of the master or mite to which the provisum of this Aet or any of the regulations to be mate by virtue thereof apply, not mumecosarily detiming or clelaying the ship trom proseeding on any voyage, nid, if in consequene of any accilet to any such ship or for any other reason the collo sider it necessary so to do, to require the ship to ho taken into dock for the purpose of surveying the hull thereof; and any person who hinden any sueh surveyor from going on board nay sude steam ship or othervise impedes him in the execution of hix duty under this Act, shall iacus a penalty not exceeding \(5 \%\). (Sce. 306.)
Bourd of Trude to regulate Mode of making Surreys,-The said surveyors shall execute thait duties maler the direction of the Board of 'Trate. and such board shall make regulations as to the manner in which the surveys atter mentioned shal be matle, and as to the notice to be gived to the surveyors when surveys are repuired, and as th the amount and payment of any travelling of other expenses incurred by such survevors in the execution of their duties, and may thereby deter-
ay of tho nbove reapisitesthe (Heare to bo in fiant) insor a ug lime, and the master whatl la fanlt) inewr a promity mo o \(1 \times\) Vict, c. \(104 \mathrm{~m}, \operatorname{lin}\). per Weight on Sufity Fulre, an undie welght an the nafits Hilp, or, in the cave of stean ercinifter mentionsed, merrase I the Ilmita lixed liy auk mo terelimafter bicentionid, he ahall, ofler linbllition he may in wr a penally not excreding low,
p whleh in ropuirenl lyy the I" to liave \(n\) master prosesang I o linve an eatginer or mpinets leate or certilhentes from the ys d 20 Vict. c. bill s. \(\tilde{b}_{2}\) )
flusneyger Stermers. ensenger Stemmer, - fior the puruts hierelucontalned with respet dentes of passenger wterustipe ers * mball to liek to includeans ars stean ship, other than the tum the own s, his family ant expression ' pankenger steamet' exide every Iritish steam dift rs to, from, or betwectang plat nited Kingrom, exeepting stam, Ift in clinins, communly cillal 17 \& 18 Vict. e. 114 m, itid.) imers io he surweyed-livers shall be surveyad fwice at loart manmer after mentioned. 心ir,

Ie to appoint Surregors and fir on,-I'le Ihoard of Trade may nypoint nuell number of tit and b bo nlipwright surveyors and rs fur the purpeses of this let laces as it thinks jroper, amblyy arveyor-general for the l'uitod any from time to time renuke ot any of then, and nay from ind alter tho rates of romuneation such surveyors. (Sce. \$0.i.) tre Iower to inspert.- It sall ke d survegors in the exacuion if - om bourd any steam ship at all and to insperet the wame ur any ty of the muelsinery, wats, equip +on board theredf, or any certioer or mate to which the provisions ly of the regulations to be ande apply, not unnceessarily detanle slip uron procecdint on any in consegprence of any accident or for any otlor reasobit they ond or for any otiser reasom the ship to ck for the prrpose of surreying nud any persob who himders apy from going on boarl any stot herwiso impedes him in the exety under this Aet, shall iacur a cediun 5l. (Sec. 306.)
cule to reguiate Mode of making aid surveyors shall exceute thedt - direction of the loard of Trade. shall make rocnlations as to the the surveys ufter mentioned shail to the notice to be given to the surveys are reifuired, and as 1 I payinent of ans travellins of nenrred by such surverors in det
mine the manns lig whinn and the conditions moter which much paydient minil ber made. (Nom. twhi)
 - Fivery nurveror whodemandis or recelvewallectly -rindiretly from the owner or mantor of any alif surveged hy hisu unalar the provisione of this Aet ang fee of remusteratlon whatnorver fir or in re-- Hect of mble marvey, otherwime than as the wathecr and by the direethon of the Ihard of 'Irades matl

Ou'sers to hume Surreys mulate by Nhijurright amal fimpineer Surpeyors sur--'Tlo owner of eviry phos-
 weat at the timen lereinaflor direoted by ont of lie said shijwright survegors and by one of the
 anch shijuwright survayor being in the case of irons teamers, a jerson who is, in the judginent of thet |harl of Trulo, properly pualified to survey nieli
 finel that they ean with propriety do so, give to such owner iler'mrations as follows :-
The delaration of the mhlpwritht anrveyor shall pontain statementen of the following prirtienlars (llat is to may) :-
1. That the lanll of the ship is sutlicient fior the aevive intemderd aml in gomd condition.
2. 'lhat the partitions, boate, life buoys, lights, winals, compussem, and shelter for cleck jussenffors, thul the certilleaten of the manter nad mate or mates, are such, fund in such condition, tse required bithis det.
3 . The time (if less than six monthes) for whicls the sajd hull fud equipments will be sufllebent.
1. The limits (if any) beyond which, as rogirils the hult und equipments, the ship is, in the sur veror's judipmesis, not fit to jily.
b. The nomber of jassengers which the ship, is, is the judrment of the surveyor, ill to earry; dintiguishing, if necessary, hetween the resplective numbers ta be carrial on the deek and in the cabins, and in different parts of the deek and abins; such numbers to be suloject to such eonditings and variations, aceording to the tine of year, the nature of the voybige, the cirgo dearried, of wher circumatameen, an the ease requires.
And the dedaration of the engibeer surviyor shall contain statements of the following piarficulars (that is to wity) :-
1. 'That the machinery of the shije is suflicient for the service intended, and in goorl eonditions.
-. She time (if lows than six montlis) for which sud machinery wonlal be suflicient.
3. That the safety vnlves nnd lire lose are such nad in sucheondition as are required by this det. t. The linits of the veirght to be phaced on the nafty valres.
5. The limits (if nuy) beyond whieh, as remarals themachinery, the ship, in the surveyor's julinnmett in mot bit to ply.
And such deelarations shall be in such furm as the board of 'l'rade directs. (Sece, \(36!1\) )
Trunsmission of Decherutious lo Boorrl of 'Tríhle, - The sail owner shall transmit such dentarations to the lloard of Trade within 14 days atter the dates of the recept thereof respectively; and in defaut shall forfeit a sum not exceeding 10.s. for erery day that the sending of such decharntions is dehyed; and such sum shall be paid upon the dellisery of the certificate hereinafter mentioned. in allition to the fee payable for the same, and hall be applied in the snme manner as such fees. (See 310.)
Times appointed fir Surrcys unil Transmission
of Declaretions.-In all cases where it is possible the said half-yearly surveys shall be made in the
montles of April and of Getobor, and the doela. rations whall loe tranamictod on or lofore \(\mathrm{A}_{\text {prll }}\) it)
 any pasariger aternure is minable for have the same Nurveyod lit the montli of \(\mathbf{A}\) pril or toboher (an (lue ens. mis lwe, vither by runan of muels whip Iroinie abment from the Uniteal Kingalom daring the whaise of those preposk respertively or liy reaman oi mads mbif or the muchinery therenf being
 laid up in ilondi, or for any of lier reasem matisfiactory to tha Itharel of 'Irambe, then lio whall lave the mimu nurv'yed as aformaid as suoll therenfter as
 tho Iharal of J'rule withbi ld days aftur the reevijet thereeti, logetlere with is staterment of the reasian
 the time infore prescribud, nul whall, in cose of blelay in transmittlag the decelarations, iw linble to a forficitura similne to that mentioned in the lase section. (Huce.31I.)

IIneral of 'Trucle to ismue Certifienten- Ifjon the r"sifit of wush deelarations, the lboard ot 'J'radishall, it satisathed that the provisions of the fonrth part of this Net luve been complial with, canse a erritheats in dupltente to le jorepared and issued, to the ellece that the prosimions of thas haw with respert to the kurvey of the ship und the transmissian of derlarations in respect theruof have been compliad with; and suele certifleate slanll state the limits (il any) beyond which, according to the veclaration of the surveyorn, such shitp is not tit to ply, aud whall also contalin a statement of the number of passeurers which, necording to the deelaration of the klijowrifht sarwiyor, such shiy is lit to enrys, distinguinling (if necessary) between the raspectlve nambers wa be carritelion the deck and in the cabins and in differsut jurts of the deek mud rabins, whols number to los sulojeet to Nuch contidions atol varintions accorditis to the lime of yoar, the mature of the voyngo: tho cargu carrion, and other circumbtances, as the cage reя!irrs. (心'c. :1/2.)
Issice oud Trunsmission of Certificates,--The. I anard of 'l'rate slanll Irnasmit such dupliente certitionte in the shipping master or to sombe other publie wilioer at such port as throwner may menfion for the phrpose, or at the port where the owner or his higent rexilis or where the slip was surveged and is for the time bejng lying, and shall canse motice of such transmission to be given bey bist or othorwise to the master or owner or hid
 deliver such daplientecertificate to lhe said owner, master. or acent, on his applying and paving the leses and other sums (if any) berein mentioned us payable in that behalf; and in proving the the issane and tramenission to the owner, ngent, or matster of such cortiticate, it shall be sutlieisent to show that the same has been duly rescived by sum shipping master or publie oflicer as aforesait, nud that due notice of the transmisnion theront to sueh shifying mater or offieer bas been givento sheli owner, master, of afent. (Sce. 313.)

F'es to be paid for Certjfientes.-'The ownor of evary bisssemper, emmer requiring a eartilicate muler this lut slall pay for every restificat. granted liy the lonard of I'rate sumb fees ns such lonard directs, not excecting the lees undermen-tioned:-

> For steamers not exceeding \(10 n\) tons.
> for sebuntr cxceding sing and not ex eqeding (a)t tons And fir every atiditonal 3 bel tons ath addicional
(Sec. 311.)
Ilow long Certificttes to continue in forec.- N o such certiticate sliall be hell to be in force for the
purposes of thia Aet beyomd the late fixed by the Ithard of 'Trade for the expiration thereof t aish no rertitleate whall be lis fired after motice la given by the Hearil of 'Trale to the owner, arent, or master of the ship to which the same relaten, that such homrd has camedled or revoked tho mane: prowided, that if any paseenger atemacr is abseat from the United Kingiom at the lane when her
 for the wat of a eartillente matil alie firat hegins to ply with passeugers ufter her next muloseguent riturn to the United Kigholom; and the lharal of 'l'rale may regulre my cortideate whileh lans explired, or has heeti revoked or eancedient, to be delivered ap as it direets and any owner or master who, whont reasmable canse, heglects or refises to comply with nueh reguirement, shall incur a penalty not excecoling lol. (sec, 316.)

Binaril of Truile may coucal Cirtifirates.-Tho Howard of 'lrade may revoke and cancel suth cerlitleutes lin any case in which it has rusun to believe,
I. That the declarations of the whfliciency and foud condition of the lunt, equipments, and mashinery of any passenger steamor, or ciblice uf them, have heen trandulently or aroneously made; or.
2. That such certifieate has otherwise been issued upon false or erroncons information; or,
3. That nince the making of such decharations the hull, equipments, or madhbory of noch ship have nistained any injury, or are otherwise insuflecient.
And inevery such ense the loaril of Trale may, if it think fit, repuire the owner to have the hall, equipmenta, or madinery of surh ship again survevel, and to iransmit a further dedaration or dectarations of the sumbieney and pood eomdition thereof, hefure re-iswning any eertitacate or granting a liesh one in lien thereof. (sece :316.)
Copy of Certificiste to be phacel in comspisuous Part of ' Whip. 'The owner or master of every passemgor atemmer shatl forthwith, on the transmission of any such certilicate at uforesaid to him or his apent, canse one of the duphicates thereot'so transmitted to be put up in some eonspicuons part of the ship, so as to be visible to all persons on boarl the same, and shall canse it to be ener**ued so put up so long as nuch certitleate remas is in foree and such ship is in use; and in defimis. such owner or master shall for every offence incur a penalty not excectime 10\%. (sie. 317.)

Whij) not to procerd on her loynge without Cer-lificute,-It shall not be lawful lor any passenger steamer to proceed to sea or upon any vovage or excursion with auy passengers on board, unless the owner thereot lias transmitted to the Buard of 'rade the declarations before required, nor unless the owner or master thereof has received from such boaril such a certiticate as is before provided for, such certitiente being a certilicate applicable to the vorage or excursion on which such shij, is about to proced ; and too officer of customs shall grant any clearance or transire lor any pasnenger steamer miless upon the preduction of meh certificate; and if any passengersteamer attempts to ply or fo to sea withont such production, uny such officer may detain her until such certifiente is produced; and if any passenger steamer plies or foes to sea with any passengers on board, without having one of the duplicates of s:elt certificate as aforesaid (being a certiticate then in force, and applicable as atoresaid) so put up ans aforesuid in some conspienous part of the ship, the owner thereof shall fir such offence ineur a peualty not exceeding 100l., aud the master of such 'ship

\section*{(Sero. \(111 \mathrm{~A}_{2}\) )}

Pranlly for carrying Pasmonyers in Piscem Numbers sperified in Certificute.-If the awiws mastar or other person ill charge of any pirawn steamer recelves os homed thereof, of if math win lus on loard, any mumber of pasar-ngers whit having regaril to tho time, wecasion, and eiremm stansea of the case, is greator than the mamber pasengers allowed ly the certiflenta, the whap
 and also an miditlonn penalty not 'xcerplius,
 allowed he the cerlifleate, or, if the fare of an of' the pandengern on boaril exemedt bes, nut exmesl ing dowble the amomit of the finres of all the passongers who are over and above the numbery for allowed as aforenaid, sucli fares to bee extimatelar the highest rate payable by any passedger on lwand (Hee, 310.)

Forgery of Decharation or Certificole "1 Siadeo mermur.-livery person who knowingly and wil. filly makes or assinta lin making or procurento be made a talse or framilulent declaration or certificate with renpect to any passemper ateamer n'quiting 1 certilleate under the lourth part of this Act, of who forges, assists in forgiag, or grocures to bax fioged, froululently alters, assists in framiulently alturing, or procures to be frnululembly alesevi, uny declaration or certifleate required hy ilhe foumh part of this Aet, or any woris or Agures fang any such declarntion or certilleate, or nuy mignatim thereto, shall be deemed guilty of a miadenean, (Sec. 320.)

Surveyors to make Returns of the builduad other P'urticulurn of' Steam Shijs \$̣c,-The wid sur. veyors shall from time to lime make such nturns to the Bunrd of Trade as it requires with respect to the buibl, dimensions, Iraught, burden, rate of wailing, reom for finel, and the onture and pup. ticulare of machinery and eguipments of the whip surveyed by them; and every owner, master, and engrineer of any such ship, shall, on demand, give to such survevors all such information and asist. ance within his power as they require for the purpose of such returns; and every such owne master, or engineer who, on beisg applied to fir that purpose, wiltully refuses or neglects to ginsuch intormation or insistance, shall be liable to? penalty not exereding 51 . (see, 3:21.)

Penciltics on I'ersums forcing Wry on Bard, or refusing to quit the Ship,-The following oftenter, viz.:-
1. Any person who, after having lecour refisil nimission into any steamer by the owner or peran in charge thereof or by any person in the emplat of the owner, on necount of such ntenume bein: fill, and after laving hail the fill amount of his dire (if he has paid the same) returned or teudefed to him, nevertheless persists in attempting to enter the same; und
2. Any person, laving got on board any steamer, whos, apoon being requested on the like account by the owner or person in charge thenef ur by auy person in the employ of the ouner to leave such steamer belore the same has quitel the place at which such person got on bowd, ant upon having the full amount of his fare (if he has paid the same) returned or tendered to him, refuis to comply with such request ;
Shall for each such offence incur a penalty not exceeling 40s., to be paid to the said ownen (Sec. 32.2.)

Pennity for avoidin! Payment of Farrs.-flue following offenders, viz: :-
1. Any person who travels or attempts is travel in any passenger steamer which has beed \(n\) Certifleate - If the awner up won in charge of niny jussensp thonfil theremf, or if mirh minp numbur of guswengers whith ho time, (rerision, and vitrom - Is exreater than tho nuthlur of by the cortithento, the whate it a peralty ont excrenling ed. omil jemsitty not exacoling is p over ami alowe the number rtillente, or, it tho fate uf anf an loard excereda bos., not exami osint of the fares of all the parwor and above the numbur nit d, auch fares to bo centimated ar y'able by any passenger on boan,
Leration or Certifirute a Mishe. ermol who ksonwingly and wil. inte in makiug or procurentolo aralulent doelaration of eertificale y jassenger atcamer mipuifing a the fonith part of this dit, op a in forghing, or promeures tor in tiy alters, assionts in frambulenty ves to he framblalenily alteted, certlillante ruquired by the foum or any words or theires in any or cortillente, or any kighatur leemed guilty of a mixtemesan.
whe Refurns of the build und othrr team Ships Syc.-'lie wait sur. time to time malie sumberums Trade as it requires with reywet eusionn, druught, bundm, fate of fuel, and the inture and prip. inery and equipments of the ship \(m\); and every owner, master, and anch ship, slall, on tlemand, give all mach information and asisidpower as they requies fur the returus ; and everysuch ownet, heer who, oti being applied to fir lfully refuses or neglects to give or ansist ance, shall be liable to caling \(\$ 1\). (Sec. 321.) "ersons furciny JFay on Buard, ar he Ship.-I'hefollowing otenter.
a who, after having leen refuel ny steamer by the ownef or peown f or by any person in the emplin? I nccount of sueh weamer beine ving had the full nomunt of his fare the same) returned or beaderent to s persists in attenpting to entes
on, laving got on board any fon being requested on the like jon berg or jurson in charge thered
owner a in the employ of the ownet 10 mer before the same lias quitel ich such person got an board, anl e full amount of his fare (if he has retnrued or tendered to him, refusis such repuest :
such offener incur a penalty nit to be praid to the said owner.
avoiding Payment of Fircs,-The
lors, viz, cors, who travels or attempts to on who trasels or wher has been
luly marexel in conformatiy with the jrovimionn of this Ant, without linving jurevionsly puin his fare, and with infont to nvohl payment thereof ; nind
:. Auv permosi who, lavinis raid lijs fare for a erialn diafinere, ksuswingly ami wilfully proverela ta any much ateamer heyond wall distance, withont proviondy payinge the adslithomi fure tir the aldifiomal livianie, and with litent to avoid payment thereat' ; nath
id. Any prosul who knowingly and wilfally phases or neglects, unt arriving it tho priat to which be lang faid his fiaro, to quit any such *eamer:
aball fur evers much offence incur a penalty not
 him, surh jenalty (o) In pryable to the iwner of such steanurr, (ive, 3:3.)
Penulty on I'ersoms rejiusing to give their Nume and Adilress.- Livery pursun who, lavink conimitted any of tho ationees mestioned in tho two last preceiling sections of either of thens, refuse's, on application of the master of the mhij or of any rher person in the employ of the owner, to give his name aud adilress, ur who onsuch application gives a false mame or mhlfess, shall hocur a pemaliy not exceetling :20l., to be paid to the said owner. (Sec, 394.)

Pouter to refiase or remove I'tssengers who are drunk or misronduct themselves,-1 The master of any home trade passenger atenm ship may refise to receive on lonat thereof any permon who by reason of drumenness or otherwise is in such \(a\) state, or miscomluets himself in ancli a manner, as to cause annoyance to other passengrers on board, of if auch presmon is on boarl, moy put hism on shore at any convenlent place; and no jerson so refused adnittance or put on shore slinll be enstitled to the return of any fare lie may liave pald. (Sec. 32i.)
Accidents fo Steam Ships to be reported to Broted of Trade.-Whenever any steam ship has mustained it caused any accident vecasioning loss ol life, or any scrious injury to nos person, of has receivel anj material damape nateeting lier seaworthiness of her ellicicney either in lier liull or in any part of her machinery, tho owner or master shall, within If hurs after the linppening of such accident or damage, of as soon thercafter as possible, nead to the buard of Trude, by letters nigned by such owner or master, a report of such nccident or damage, and of the probable occasion thereof, statiag the name of tho ship, the port to which she belongs, and the place whero she is; and if such owner or master neglect so to do, he sliall for such offince incur a penalty not exceceling \(50 l\).

\section*{(Sec. 3:6.)}

Notice to be giren of apprchended Lass of Sierm Ships,-If the owner of any steam ship have reason, awing to the nonappearance of such slip, of to anvother cireumstance, to apprehesid that such ship has been wholly lost, he shall as soon asconreniently msy he send notice thereof in like mannet to the Bonril of I'rade, and if he neglect so to do within a reasoonable time he shall for such nffence incur a peunlty not execeling oinl. (Sec. 327.)

Collisians to be cutered in Official Log.-In every case of collision, in which it is practicable so to do, the master shall immedintely after the ocenrence cause a statement thereof, and of the circumstances under which the same occurred, to be entered in thic official \(\log\) book (if any), such entry to be signed by the master, and also by the mate or one of the crew, and in defnult shall iacus a nemalty not exceeding 201. (Sce. 328.)
Provisinns to prevent carrying dangcrous Gonds without due Notice.-No person shall ve
cutitled to carry in any' ahip, of to requise tho inaster or owner of any whip to earry therein, nny
 gouda which, in the juitgraent of much ninster or owser, are of n ilasgepons natupe; and if any jors.
 dasičrenis matispe, wifhont ifistinetly marking thair nature on the ontaide of the package containing the same, or otherwise giving notice in writing to the mastur or owner at or lufture the time of cinry ing or serfiling the mimu to be ahipped, lie whill for every subli willence incur a jemalig mot oxcerellng loth, and the master or owner of any mlijp may refuse to take on lmaril nay parced that lue susfuets to contain poods of a dangerous natitr, sund may reguire thein to be opened to ancertain the fist. (Hec. 324.)

\section*{IV. Sithiping Orfiesade.}

These wire extablished lyy the \(13 \& 11\) Vict. - : :3. Thatir object, as explainel below, wha tio affiord facilities for the engngenume of erumen and apprentices; to keep an acconnt of their names nad characters; to wee to their being on bonrd when required; and penerally to prommeto their interests and those of the masters. The following clanses of the Meremantile Shipping Aet, the 17 \& is Vist. e. 10.t, relate to this subjeet, viz.:-
Durine Boards to establish Shipping Officrs. In every meafort in the United Kingdon, in which thure is n Lucal Marine Board, sueli board whall estmblish a shalpping otllee or shlpping oftices, and may for that purpose, subject an after montioned. precure the requisite premiser, and appoint and from time to time remove and re-appoint sulerintendents of such otllees, to be called shipping masters, with any necessary deputics, clerks, nul servants, and regulate the mole of conducting business, at much ollees, and shall have completu control over the aame; and every act done hy or befure any deputy duly appointed shall have the same effect as if done by or before a shipping master. (Sec. 122.)
Board of Trude to have partial Control over Shippiny Offices.-The sanction of the Board of Trade shall be necessary so fur as regarts the number of persons nppointed liy any Local Marine Bonrd, and the amount of their salaries and wages and all other expenses; and the Boarl of Trame shall have the immediate control of sueh shipping otllees, so far as regards the reeeipt and payment of money therent; ann all shipping masters, depmties, elerks, and servants appointed as aforesaid shall before entering upon their dutios give such security (if any) for the due performance thereat as the Blonrd of Trato requires; and if in any cane the Buart of Trade has reason to believe that any shipping master, deputy, elerk, or servant appointed by any Local Marine Buard does not properly discharge his duties, the lBuard of 'Trade may cause the ense to be investigated, and may, if it thinks fit so to do, remove him from lisw, \({ }^{\text {alice, }}\) and may provile for the proper performance of his dutics until another person is properly nppointed in his place. (Sce. 123.)
Business of such Offices Generully.-It shall be the roneral business of shipping masters appointed as aforesalli-
To afford facilities for engaging seamen by keeping registries of their names and characters.
Tos superintend and facilitato their engagement and discharge in manner hereinafter mentioned.
To provile means for securing the presence on bourd at the proper times of men who are so engaged.
To facilitate the making of apprenticeships to the sen service.

To perform such other duties relating to merchant seamen and merchant ships as are hereby or may hereafter under the powers herein contained be committed to them. (Sec, 124.)
Fers to be paid upon Engugements and Dis-chargres.- Sucli fees, not exceeding the sums specitled in the annexed Tabhe, as are from time to time fixed by the Board of Trade, shall be payable upon all engagements and discharges effected before shipping masters as after mentioned, and the Board of Trade shall cause scales of the fees payable for the time being to be prepared and to be coinspienously placed in the shipping offices; and all shipping masters, their deputies, clerks, and servants, may refuse to proceed with any engagement or dischargo unless the fees payable thereon are first paid. (Sec. 125.)

Fees to be charged for Mutters trunscated at Shipping Offiees.
1. Engagement of crews
\begin{tabular}{|c|c|c|c|c|}
\hline Under fiotans & - \(\begin{array}{ll}\text { ¢ } & \\ 0 & 1 \\ 0\end{array}\) & 500 tn & 600 tons & - \(\begin{gathered}\text { E }\end{gathered} 1\) \\
\hline 60 to \(100 \%\) & - 07 & 600 & 700 & - 20 \\
\hline 100 to \(2(0)\) & - 015 & 700 to & Sind \({ }^{\text {a }}\) & - 2 \\
\hline 200 tas 300 & - 10 & 800 to & \(9(\mathrm{HC)}\) " & - 2 10 \\
\hline 3400 to 4100 & - 1.5 & 900 to 1 & 1,100 "' & - 215 \\
\hline d 100 to 5100 " & - 110 & A bove & 1,000 " & 30 \\
\hline
\end{tabular}

And so on for ships of larger tonnage, adding tar every 200 tons
ahove \(1,000,5 s\).
2. Engagemeni if eameñ separately. 4a. for sach.
*. Discharge of crews.
Under 60 tons 60 to 100
160 to 200
200 to 300
20 300 to 2000
300 to 300
300 . 30) to 400 400 to 500 "̈

Business of Shipping Offices may le trau*uct at Custom-houses.- The Biaril of Trade may, wi the consent of the Commissioncrs of Customs, dire that at any place in which no separate shippii office is established, the whole or any part of ti business of the shipping oflice shall be conduct at the custom-house, and therenpon the same sha be there conducted accordingly; and iu respeet such business sueh custom-house shall for all pui poses he deemed to be a slipping office, and th oflicer of eustoms there to whom such business; eommitted shall for all purposes be deemed to te shipping master vithin the meaning of this ste (Sec. 128.)
In London Sailors' Homes may be Shippin Offices - The lburd of Trade may appoint an saperintenilent of or other person comectel with any sailors' home in the port of London to be shipping master, with any necessary depntie. clerks, and servants, and may appoitt any other 2 any such home to be a slipping office; and ail shipping masters and shipping offices so appointel shall be subject to the immediate control of the Boarl of Trude. and not of the Local Manine Pward of the port. (Sec. 129.)

Dispensation with Shipping Master's Supurin-teudence.-The hoard of 'trade may from time to time dispense with the transaction before a ship. ping master or in a shipping oflice of any matters required hy this Act to be so transacted ; amd lhefeupon such matters shall, if otherwise duly trasiacted as required lyy law, be as valid as it mansacted before a slipping master or in a slipping otlice. (Siec. 130.)

\section*{V. Suits' Papers.}

The papers or documents required for the manifestation of the preperty of the ship and careo se, are of two sorts; viz. 1st, those required by the law of a particular country-as the ceribiate of recistry, license, charterparty, bills of hading bill if health de.-(see these titles)-required by the law of Pingland to be on board lritith ships; and, 2 ndly, those required by the larof nations to be on board nentral ships, to vindiage their title to that character. Mr. Siriem Marshall, following II ubner (De la Saisie des Bito mens neutres, i. 2.1t-252), has given tha follumiug deseription of the latter class of ducuments-
1. The Passport, Sea Brief; or Sea Letter-This is a permission from the nentral state th the captain or master of the slip to proceed on the veyage proposed, amd usually contains his name :und residence; the name, property, deserintiont, tommage, and destiuation of the ship; the aatur ani quantity of the cargo, the place whenee it cmis. nudt its destination ; with such other matters as he he practice of the place requires. This deanent is indispensably necessary lor the safte of der: neutral slip. ltubner says that it was the ofly paper rigerously insisted on by the Barbary w: sairs; by the production of which alone theit friends were protectel from insult.
2. The Proofs of Property.-These ouslt : show that the ship, really belongs to the subjethe of a neutral state. If she appear to ether belligerent to have been built in the enemy's country, proof is generally required that she ras purchased by the neutral before, or capturel and legaly condenmed and sold to the neutral diteh the declarution of war; and in the hatter case the bill of sale, properly ,uthenticated, ought to be produced. Ilubner admits that these pront a te so essential to every neutral vessel, for the prevention of frauds, that such as snil without tlem have no reasen to complain if they be internuted in their voyages, and thei. neutrality disputed.
3. The Muster Roll.-This, which tho French call rike d'equipuge, contains the names, ages, quality, place of residence, and, ubove all, the place of lirth, of every person of the ship's company. This document is of great use in ascertaining a hip's neutrality. It must naturally excite a troug suspicion if tho majority of the erew be foulad to consist of foreigners, still more if they be matives of the enemy's comntry. [SEAmen.]
4. The Charterparty.-Where the ship is chartered, this instrmment serves to anthenticate many of the facts on whieh the truth of her neutrality must rest, and shonld therefore be always fuund on Board chartered ships.
5. The Bills of Lading.-By these the captain acknowledges the receipt of the geods specilied therein, and promises to deliver them to the consignee or his order. Of these there are usually areral luplicates ; one of which is kept by the captain, one by the shipper of the goods, and one traasmitted to the consignee. This instrument being only the evidence of a private transaction between the owner of the goods and the captain, does not carry with it the same degree of authentieity as the charterparty.
6. The Invoices.-These contain the particulars ad prices of each parcel of goods, with the amount of the freight, duties, and other charges thereon, which are usually transmitted from the shippers to their factors or consignees. These invoices prore by whom the goods were shipped, and to whom consigned. They earry with them, howwer, but little authenticity: being casily fabricatel where trand is intended.
-. The Log Book, or Ship's Juurual,-This coataias a minuto account of the ship's course, with a short history of every occurrence during the rovage. If this be faithfully kept, it will throw great light on the question of nentrality; if it be in any respect fabricated, the frand may in seacral be easily detected. [Log, Official.]
8. The Bill of Health.-This is a certificate, properly authenticated, that the ship comes from aplace where no contagious distemper prevails; and that none of the crew, at the time of her departure, were infected with any such disorder. It is generally found on board ships coming from the levant, or from the coast of Barbary, where the plague so frequently prevails.
A ship using false or simulated papers is liable to confiscation. (Marshall On Insurance, book i. c. 9 s, (6.) [Steam Vesseis.]

SHOLS (Dutch, sclicenen; Fr. souhiers; Ger. shube; Ital. scarpe; Russ. baschmaki; Sjan. zapatos). Articles of clothing that are universally Twru, and require no description. The shoe manuheture is of great value and importance-much more so, indeed, than is generally supposed; for it ranks in the public estimation far below many tmaches to which it is really much superior in intrinsic value, This results from the circumstance of machinery being hardly introtliced into the business, and from its being principally carried en either in petty workshops, or, as is the mire usual practice, in the houses of the shoemakers. It is very extensively practised in the metropolis, where the best shoes are made; and is diblinet over every part of the country. Northanptomshire and staffordshire have attained to cosiderable distinction in the business, large quantities of shoes being made in them, partly fir the supply of the metropolis and other large torns, where they are sold 'ready made,' and prity for exportation. Shoemaking (boot-making is always ineluded) is the most extensively practised of all the common trades, next to millinery and dressmaking. By the census of 1861 no
lewer than 279,563 persous ( 238,090 males, and 41,473 females) were engaged in Great IBritain in boot and shoemaking, exclusive of 90,970 shoemakers' wives. In london the business furnished employment to 42,691 persons, and in Nortliamptonshire to 17,237 ,
The estimate fiven, in the art. Leatimen, of the value of the shoes annually manufactured in the United Kinglom is \(16,000,0001\)., so that the share of Great hritain may at present (18ij9) be safely estimated at above \(13,000,0000\). If we reckon the wages of the 279,563 persons employed in the business at \(20 \%\). a-year at an average (which, as yount people and women are extensively employed, is probably not far from the mark), their total amount will be \(5,501,2601\), to which has to be added the value of the leather and other materials.
Buots and shoes used formerly to be prohibited, but they are now admitted duty free. Of boots and shoes, we imported in 1867, ehiefly from France, 282,953 pairs for women, 98,574 pairs for men, and 504 pairs for children, besides \(75,3: 4\) pairs of boot ironts, the whole valued at 89,3211 . The exports of boots and shoes in the six years ending with 1867 were in quantity and vahe as follows:-
\begin{tabular}{|c|c|c|}
\hline Vears & Quantities & Value \\
\hline 18672 & 5,375,-17 pairs & 1,67\%, \({ }^{\boldsymbol{t}}\) \\
\hline 1863 & 4,449.291 & 1,105,819 \\
\hline 1564 & 4, 819,460 & 1,181,421 \\
\hline \({ }_{1}^{1865}\) & 5,271,394 & 1,162, 165 \\
\hline  & 3,519,618 3 & 998,488
954.501 \\
\hline
\end{tabular}

The ehief consumers being our Anstralian and West Indian colonies and Brazil.
Massachusetts is the grand seat of the shocmaking business in the United States; and large quantities of shoes are amnually shipped from Boston for New York and the Southern prorts.
Though many, and some very ingenious, eflorts have been made to mamufacture shoes by the aid of machinery, they have hitherto hail but little success. This will not appear surprising when it is considered that the size and shape of the feet differ extremely in dilferent persons, and that, consequently, the articles to be produced are destitute of that sameness in their corresponding parts that is so essential in work produced by machinery. The latter has, however, been applied with considerable advantage to the manufacture of shoes or elogs with wooden soles; and it may also be applied, thongh with no great alvantage, where tine work and accurate titting are little carel for. On the whole, it would seem that the craft of St. Crispin is nut very likely to be disturbed by those inventions that have so greatly changed so many other handierafts. And the vast improvement in the shoes of movern times, compared with those used in antiguity, seems rather 10 result from the superiority of the leather, or material of which they are made, and the greater skill aud dexterity of the workmen, than from the improvement of their tools.

SIIUMAC or SUMACt (Ger. sehmack, sumach; Fr. sumac, rotire, roux ; Ital. sommaceo; Span, zumaque; luss, sumak). Common shumac (Rhus coriaria) is a slrub that grows naturally in Syria, Palestinc, IIungary, Spain, and Porturonl. That which is cultivated in ltaly, and is improperly called young fustic, is the Rhus Cutinus. It is eultivated with great care: its shoots are cut down every year quite to the root; and, after being dried, they are chipped or reduced to powder by a mill, and thus prepared for the
purposes of dyeing and tamuing. Tho slomac enltivated in the netghbourhood of Montpellier is called rédowl or romdo. Shumac may be considered of good quality when its odour is atrong, calour of a lively green, is welt grommi, mul free from statks. liatian shomat is used in dyemp a bill high yethow, mpromehing to the orames, nom woul ur doth; but the eolour ta fiuritive. Common shamat is useful for drab and love colomes in colico printing, and is also capable of dyeng bitack. (Bumeroft On Colours, vol. ii. p. 100.)

Of 13, 140 tons of shmac jmported in 18tia, no fiwer than 11 , IO 4 were trom Italy. In \(186 i=\) re-exported 1,169 tons. 'The price of shmmac varies from \(11 / .1\) ss. to \(21 /\). per ton.

The dity of 1 s , \(\mathrm{p}^{\mathrm{r}} \mathrm{r}\) tom on shmac was repealed in 18.5.

SlELRA LRONE, An English settlement, near the mouth of the river of the same name, on the west const of Africa, lat. \(8^{\circ} 30^{\prime}\) N., lontr. \(1: 3^{\circ} 18^{\prime} \mathrm{W}\). 'There is a lised light on the cape visible 15 miles ofif, and a smald green light on the Government wharf erected in 1 Stib.

Objects of the Codony.-This rolony was founded partly as a commercial establishment, but more from motives of humatily. It was intended 10 consist prime ipatiy of free blacks, who, being instrueted in the Christian religion and in the arts of Wurope, should become, as it were, a focus whence civitisut: minht he diffosed among the surromaling tribes. About 1,200 free megroes, who, having joined the royal standard in the Ameriean war, were obliged, at the termination of that contest, to take relage in Nova Scotia, were comvered thither in 1792: to these were afterwatds added the Maroons from Jamaica; and, since the legal abolition of the slave trade, the neirrues taken in the eaptured ressels, and liberated by the mixed commission courts, have been enrried 20 the colony. The total population of the colons in 1856 arnointed to \(-11,80 t\), all black or colourat, with the exception of about \(1: 30\) whites.

Success of the Eifforts to civilise the Blachs.fireat efforts have been made to introduce order and industrious liahits amongst these persons. We are sorry to be obliged to add, that these efforts, thondin prosecutal at an enormous expense of blood and treasure, have been sigmalle masuecessful. There is, ut doubt, some diserciancy in the acconnts of the progress mate by the backs. It is, however, suthiciently clear that it hats been very ineonsiderable, and wo do not think that any other resalt cond be rationally anticipated. Their laziness has been loudly complained of, but without reason. Men are not industrious withont a motive : and most of those motives that stimnlate all classes in colder climutes to engage in latorions cmployments are unknown to the indolent inhabitants of this burning region, where clothing is of little importane, where sutlicient supplies of food may be obtained with comparatively little exertion, and where more than half the necessaries and emveniences of Europeans would be positive incumbrances. And hat it been otherwise, what progress could a coloper be expected to make, into which there have been ammally imported crowds of liberated negroes, most of whom are barbarians in the lowest stage of civilisation?
Influence of the Colony upon the illicit Slave Trude.-As a means of checking the prevalence of the illicit slave trade, the establishment of a colony at Sierrn Leone has been worse than useless. The trade is primeipally carried on with the countries round the Bight of Biafra and the Bight of Benin, many lmondred miles distant from Sierra Leone; and the mortality in the coptured
ships during their voyage to the lather is ofte very grent. The truth is, that this tratic wi never be offectually put down otherwise than \(b\) the great lowers derlaring it to be piraey, an treating those cograged in it, wherever mal b whmasoever they may be fomme, ms sea rotbers i pirates. Such a teetaration wontit be quite con lormable to the spirit of the declaration put furt by the Congress of Vienna in 1824. [Stali Inable.] llit the jeatonsies with respect to tha right of visifation and search are so very great that it is exceedingly donbtful whether the mari time l'owers will ever be brought to conenr in any declaration of the kind now nllinded to; undes: bowever, something of this sort bedune, we appr hemed there are liut slender gromals for supposing that the trade will be spicedily suppressed.

Climute of Sierra Leone.-The soil in the vicinity of Sierra leone seems to he of indifferent fercility, and the climate is about ble most destructive that can be imarined. The mortality among the Africans sent to it seems musually freat; and amongst the whites it is guite excessive. Much as we desire the improvment of the blacks, we protest against its bein, attempted by gending our conntrymen to setan destruction in this most pestiferons of all persiferons places. It would seem, too, that it is puite unnecessary; and that blacks may be eniptosed to fill the otlicial situations in the colony. lint if otherwise, it should be unconditionally abaudenei.

Commerce of' Sicrra Leone and the West tiost of Africr,-Commercially considered, Sierraliente appears to quite as little advantage as in other points of view. We import from it trak wawh palm ril, ginger, and gromal-muts, with smali guantities of camwood, ivory, hides, sum copal, and other articles; but their value is inconsiderable, not amounting to more than from 0,0 , \({ }^{(1)}\) \(80,000 l\). a-year. I'aim oil is the great antide of export from the west coast of Africa; and br far the largest portion of it is furnished by the east to the west and sonth of the Rio Volta, mans hundred miles from Sierra Leone. Wre doubt. indeed, whether the commeree with the later mild ever be of much importance. At alt events, we hardly think that it eam be explected materills to increase if it he conducted in the way in whid it is allimed that the intercourse with the likrated negroes is at present condueted. (Requrton Colonial P'ossessions, 1851, p. 175.) If therebend some mistake or exargeration in the statemant now referred to, mothing can be conceived mate disgraceful. Should it, however, he ascertained that an establishment, is really required fir the advantageous prosecution of the trade to W (otern Africo, it is abundantly obvious that it shoud \(h\) placed much liarther to the south than Sirm Leone. The island of Fermando l'u las bea suggested for this purpose; but, after the darbonght experience we have already had, it is to be hoped that nothing with be done with respect on: without mature consideration.

In 186.1 and 1866 the exports of palm cilf fim Sierra Leone to all parts amounted to 166,19 and : 588,180 gailons. 'The exports of British phoblie to the colony consist primejpally of cottuns, apanin and haberdashery, arms and anmmition, and ari but inconsiderable. In 1867 their value anounted to \(225,455 \%\)., but that was much above the averif. The omly manufacture that can be said to exis: in the colony is the expressiun of the of fane the gronnd-nut by means of madhinery. [ais, Ground.]

Expenses incurred on account of Sierm Low. -The pecmiary expense occasioned live tins colony, and our unsuccessful elforts to sulppesd
voyage to the latter is often trith is, that this trablio will put down ohlerwise than by derlaring it to be pirucy, ani ared in it, wherever aud by may be found, as sea rubbers ir eclaration wond be quite cunrit of the declaration put furih of Vienma in 1824. [Shays: jealonsies with respect to the and seareh wre so vary greal, ty doubtful whether the maricer be bronght to eoneur in any kimp now nlhuded to; mules; of of this sort bedone, we apprealenter cromids for stpposing be speedily suppressed. rra Leone.-The woil in the Leone acents to be of indif. ud the climate is about the that can be imarined. The the Africans sent to it sechand amongst the whites it is Much as we desire the improwes, we protest against its beins, ding our conntrymen to certan is most pestiferous of all pentiwould seem, too, that it is quile that blacks may be employelte tuations in the colony, llat if thations uncomditionally abamduenel, Vierra Leone and the West liost nercially considered, Sierra Lenie ns littlo advantage as in othet We import from it teak wiwh , and gromul-muts, with small uwood, ivory, hides, from eqpal, ; but their value is incousideting to more than from 70,0 ond, l'alm oil is the great antide of west coast of Africa; and by far m of it is furnished by the const south of the Rio Volta, mans from Sierra Leone. We douth, the commerce with the latter will importance. At all events, we at it ean loe expreted materially e conducted in the way in whinh at the intercourse with the liluat present conductech. (Rypurson ions, \(1851, \mathrm{p} .175\).) If therebert exargeration in the statemert nothing can be conceivel mun could it, however, be asectaized lament, is really required fur the osecution of the trade to Wesen bdantly obvious that it should be irther to the sooth tham sint land of Fernando l'o has beth his purpose ; but, after the dar. nee we have already had, it is to be ing will be done with respect tor comsideration.
866 the expurts of palm oilfor all parts amounted to \(166,142 \mathrm{am}\) Ihe exports of liritish problice asist principally of cottons, appariz ry, arms and ammuntion, audur ble. In 1867 their valne anmouted t bat was much above the arerig. facture that ean be said to ais is the expression of the of foul by ureans of machinery. [Nus,
furred on account of Sierrn Losk. ary expense occasioned by this ir unsuccessful efforts to silpresid

Arcount of the Quantities and Values of the Prineipal Artieles Inported into the Unitud Kinglom from Sierra Leone in each of the 3 Years ending with 1867.

the foreign slave trade, have been altogether When the skein is dry, it is taken from the recl chormous. Mr. Keith Douglas is reported to have and made up into hanks; but before it is the for wtated in the Ilonse of Commons, so lonf agro as wenving, and in order to enable it to undergo the July \(\{833\), that 'dowis to the year 1824 tho civil process of dyeing, withont furring up or separating expenses of Sierra Leone amomited to \(2,204,0000\), ; and that the same expenses had amounted, from \(182 \cdot 1\) to 1836 , to \(1,082,000\). The naval expenses from 1807 to 1824 had been \(1,630,000)\), 'The payments to Spain and Portugal, to induce then to relinguish the slave trade, amounten to \(1,230,0000\), The expenses on accomit of cajtured slaves were \(333,09 \%\), 'lho expenses incurred on accomet of the mised commission courts were 198,0001 , Attugether, this extablishment had cost the comntry (even at that time) nearly \(8,000,0002\). 'The expenditure on acconnt of Sierra Leone in 1866 was (i0, i3 2 ).
the prodirality of this expenditure is mimatehed, exeept by its nselessness. It is doubtfill whether it hats preventel] a siaghe African from being dragged into slavery, or conferred the smallest real advantage on Africa. 1t, howceer, enabled the sovereigns of Spain and Portugal to turn their mercenary humanity to good aceront.
Fur further details with respect to Sierra Leone and the trade of Western Africa, see the R'port of the Solect Commiltee uf the Ilouse of Commons on the West Const of 4 fricn, Scess. 1812, and the Parliamentary Paper for 1851 , already referred to.
SILK (Lat, sericurn, from Seres, the supposed ancient nime of the Chinese; Fr. soie; Ital. seta; span. seda; (ier, seide). A tine glossy thread or filament, spun by various species of caterpillars or harve of the Phidicna gemis. Of these, the Phalena utlas produces the greatest quantity; but the Phulena bomby. \(x\) is that commonly employed for this purpose in Europe. The silkworm, in its caterpillar state, which may be considered as the tirst stage of its existence, after acquiring its foll growth (abont is inches in length), proceeds to enclose itself in an oval-shaped ball, or cocoon, which is formed by an "xceelingly slender aud long tilament of fine yell. silk, emitted from the stomach of the insect pre aratory to its ussuming the shape of the chryalis or moth, In this latter stage, after emancipal uf itself from its silken prison, it seeks its mate, which has undergone a similar transformation ; and in two or three days afterwards, the female having deposited her erges (from 300 to 500 in number), buth insects ter minate their existence. According to Réammar, the phalana is not the only insect that aflords this material-several species of the aranea, or spider, encluse their eggs in very fune silk.
Row Silh is produced by the operation of winding off, at the same time, several of the balls or cocoons (which are immersed in hot water, to solten the aataral gum on the filament) on a common red, therehy forming one smooth, even thread,
the tibres, it is eonverted into one of three forms; viz. sinyles, tram, or organzine.

Simgles (a collective noun) is formed of one os. the reeled threals, being twisted, in urder to give it stromgth and firmness.

Tram is formed of 2 or more threads twistell togethar. In this state it is commonly used i:1 weaving, as the shoot or ueft.

Thrown Silh is furmed of 2, 3, or more singles. according to the substance reguired, being twisted together in a contrary direction to that in which the singles of which it is composed are twisted. 'This process is termed organzining ; and the silk so twisted, orgonzine. The art of throwing was originally eontined to Italy, where it was kept a secret for a long period, Stow says it was known in this conntry since the 5 th of Queen Elizabeth, ' when it was gained from the strangers;' and in that year (L562) the silk throwsters of the metropolis were united into a fellowship, They were incorporated in the year 1629 ; but the art continucd to be very imperfeet in Einghan mutil 171!. (sce post.)
1. Mistorical shetch of the Manufacture.-The art of rearing silkworms, of muravelling the threats spun by them, and manufacturing the latter into nrticles of dress and ornament, seems to have heen first practised by the Chinese. Virgil is the earliest of the Loman writers who has been supposed to nllude to the production of silk in China, and the terms he employs show how little was then known at Rome of the real nature of the article:-
Velleraque us folisis depectant tenuia Seres? (Georg. lib. il. lin. 121.)
But it may be doulted whether Virgil do not, in this line, refer to cotton rather than silk, lliny, however, has distinetly deseribed the formation of silk by the bomby, (Hist, Nut. lib. xi. e. 17.) It is meertain when it first began to be introduced at Rome ; but it was most probably in the are of Pompey and Julius Cesar, the latter of whom displayed a profission of silks in some ot the marnificent theatrical spectacles with which he sought to conciliate and amuse the people. Owiug principally, no doubt, to the great distance of China from Rome, and to the difficulties in the way of the intercourse with that country, which was carried on by land in caravans whose ronte lay throught the Persian empire, and partly, perhaps, to the high price of silk in China, its cost, when it arrivel at liome, was very great; so much so, that a given weight of silk was sometimes sold for un equal weight of gold ; at first it was only used by a few ladies eminent for their rank and opulence. In the beginning of the reign of 'librrius, a law was passed, ' ne vestis scrica viros foedaret'--that no man should disgrace himself by
weariug a siken garment, (Tacit. Annal. lib. ii. c. 33.) But the prolligate Incliogabalus despised this law, and was the tirst of the Roman emperors who wore a dress composed wholly of silk (holosericum). The example once set, the custom of wearing silk soon became general amoug the wealthy citizens of Rome, and throughont the provinces. According as the demand for the article increasel, eflorts were made to import larger quantities; and the price seems to have progressively declined from the reigu of Aureliun. That this must have been the case is obvious from the statement of Ammianus Marcellinus, that silk was in his time (anno 370) very generally worn, even by the lowest classes. 'Sericum ad usum antehae nobilium, nune etiam intimormun sine ullâ tiseretione proticiens.' (Lib. xviii. c. 6.)
Till the 6th century, China contimed to draw eonsiclerable sums from the Roman empire in return for silk, now become indispensable to the Westeri World. About the year 550, two Persian monks, who hat loug resided in China and made themselves acquainted with the mode of rearing the silkworm, encouraged by the fifts and promises of Justinian, suceceded in carrying the eggs of the insect to Constantinople. Under their direction they were hatehed and fed; they lived and laboured in a foreign climate; a sutlicient number of butterthies was saved to propagate the race, and mulberry trecs were planted to atlord nourishment to the rising generations. A new and important branch of industry was thus established in Europe. Experience and reflection gradually corrected the errers of a new attempt; and the Sogdoite ambassadors acknowledged, in the succeeding reign, that the Romans were not inferior to the natives of China in the education of the insects, and the mamufacture of silk. (Gibbon, Decline and Fall, vol. vii. p. 99.)

Greece, particularly the Peloponnesus, was early distinguished by the rearing of silkworms, and by the slill and success with which the inhabitants of 'lhebes, Corinth, and Argos carried on the manufacture. Until the 12 th century Grecee eontinued to be the only European country in which these arts were practised; but the force of Roger, king of Sicily, having, in 1147 , sacked Corinth, Athens, and Thebes, carried off large numbers of the inhabitants to Palermo, who introduced the culture of the worm, and the manufacture of silk, into Sieily. From this island the arts spread into Italy; and Venice, Milan, Florence, Lacea \&c. were soon after distinguished for their success in raising silkworms, and for the extent and beauty of their manufactures of silk. (Gibbon, vol. x. p. 110 ; Biographie Universelle, art. 'Roger II.')
The silk manufacture was introduced into France in 1480 ; Louis XI. having invited workmen from Italy, who established theinselves in Tours. The manufacture was not begun at Lyons till about 1520 ; when Francis I., having got possession of Milan, prevailed on some artisans of the latter city to establish themselves, under his protection, in the former. Nearly at the same period the rearing of silkworms began to be successfully prosecuted in Provence, and other provinces of the south of France. IHenry 1V. rewarded such of the early manufacturers as had supported and pursued the trade for 12 years with patents of nobility.

Silk Manufucture of England.-The manufacture seems to have been introduced into England in the 15th eentury. Silk had, lowever, been used by persons of distinction two centuries previously. The manufacture does not appear to liave made much progress till the agre of Elizabeth; the tranquillity of whose long reign, and the in-
flux of Flemings, occasioned by the disturbances in the Low Conntries, gave a powerful stimulus to the manufactures of England. The silk throwster: of the metropolis were united, as alrealy observed. in a fellowship, in 1062 ; and were incorporated in 1629. Thongh retarled by the civil wars, the manufacture continued gradually to advatace; an! so flourishing had it become, that it is stated in a preamble to a statute passed in 1666 ( 13 \& 14 Ch. II. c. 15), that there were at that time no fewer than 40,000 lndividuals engaged in the trade. And it: is of importance to observe, tha though the importation of French and other foreign silks was occasionally prohibited during the reigns of James 1. and Charles 1., the Protectorate, and the reign of Charles II., the prohibition was not strictly cuforced ; and, generally speaking, their importation was quite free.
A considerable stimulus, though not nearly so great as has been commonly supposed, was given to the English silk manufacture by the revocation of the Edict of Nantes, in 1685. Louis XIV. Sfore, by that disgraceful measure, several humdreds of thousands of his most industrious subjects to seek mm asylum in foreign countries; of whom it is supposed about 50,000 came to England. Such of these refugees as had been engraged in the silk mannfacture established themselves in Spitalitids. where they introduced several new branches of the art. When the refugees fled to England, foreign silks were freely almitted; and it appears from the Custom-house returns, that from 600, , 40 , 1. 700,000l. worth were annually imported in the periotl from 1685 to 1692 , being the very perim during which the British silk manufacture male the most rapid adrances. But the manufacture was not long permitted to continue on this footing. In 1692, the refugees, who seem to have been quite as conversant with the arts of monopoly as with those either of spimning or wenving, obtained a patent, giving them an exclusive right to manutheture lustrings and à-la-modes, the silks then in greatest demund. This, however, was not enough to satisfy them; for, in 1697, Parliament passed an - Act, in compliance with their soliciations, prohibiting the importation of all French and other European silk goods; and in 1701, the prohibition was extended to the silk goods of ludia and China.

These facts show the fallacy of the opinion, so generally entertained, that we owe the introluction and establishment of the silk manufacture to the prohibitive system. So far from this being the case, it is proved, by statements in numerous tets of Parliament, and other anthentic documents. that the silk manufacture had overcome all the difficulties incident to its first establishment, had been firmly rooted, and had become of great ralue and importance, long before it was subjected te the trammels of monopoly; that is, before the manufacturers were taught to trust more to tiscal regulations, and the excrtions of custom-howe olficers, than to their skill and ingenuity, for the sale of their goods.
The year 1719 is an important epoch in the history of the British silk manufacture; a pateut being then granted to Mr. (afterwards Sir Thomss) Lombe and his brether, for the exclusive property of the famous silk mill erected by them at Derbr. for throwing silk, from models they had elandestinely obtained in Italy. At the expiration of the patent, Parliament refused the petitiou of Sir Thomas Lombe for its renewal ; but granted him 14,0001 . in consideration of the services be had rendered the conntry, in erecting a machine whict. it was supposed, would very soon caable us to dispense wholly with the supplies of thrown silk
oned by the disturbances in ve a powerful stimulus to fland. 'The silk throwsters united, as alrealy observed. ; and were ineorporated in led by the civil wars, the gradually to advance ; and come, that it is stated in a passed in 1666 (13 \& 14 here were at that time ao dividuals engaged in the mportance to observe, tha: a of Freneh and other foreiga prohibited during the reigns es I., the Protectorate, and I., the prolibition was not l, generally speaking, their free.
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We hal previously been in the habit of importing from Italy : but instead of being of any advanment of throwing mills in England has proved one of the most formidable obstacles to the extension of the manufacture amongst us. These mills could not have been constructed unless oppressive duties had been laid on thrown or organzine silk; and the cireumstance of their liaving been erected, and a large amount of capital vested in them, was zacessfully urged, for more than a century, as a conclusive reason for continuing the high duties.
From this period down to 1824 the history of the silk manufacture presents little more than emplaints, on the part of the manufacturers, of the impertation of foreign silks; of impotent effints on the pirt of Parliament to exelude them : and of combinations and outrages on the part of the workmen. Among the multitude of Acts that were passed in reference to this manufacture, fram 1697 to the era of Mr. IIuskisson, we believe it would be exccedingly difficult to point out one that in buttomed on any thing like sound principle, or that was productive of any. but mischievous ensequences. The French writers estimate the arenge exportation of silks from France to England. during the period from 1688 to 1741, at aboint 12,500,000 francs, or 500,0001 , a-year. In 1.63attempts were made to ebeck the prevalence of smuggling; and the silk mercers of the metrondis, to show their anxicty to forward the sheme, are said to have recalled their orders for theign goods. It would seem, however, either that their patriotic ardour had very soon cooled, of the \({ }^{*}\) had been supplanted by others not quite an scrupulous: for it appears from a report of a committec of the Privy Council, appointed, in 1766, to capuire into the subject, that smuggling was then carried on to a greater extent than ever, and that 7.072 looms were out of employment. The sane commitree reported, that though the French were decidedly superior to us in some branches of the trade, we were quite equal, and even superior, to them in others; but instead of proposing, consitently with their report, to admit French silks on a reasonable duty, a measure which would have proved very adsantageous to those branches of the manufacture in which we were superior, or nearly equal, to the French, without doing any materiad injury to the others, which were already in the most depressed condition, they recommended the continuance of the old system; substituting absolute prohibitions in the place of the prohilitory duties that formerly existed. Whatever immediate adrantages the manufacturers might have reaped from this measure, the ultimate tendency of which could not fail of being most injurious, were effectually countervailed by the turhulent proceedings of the workmen, who succeved, in 1733 , in obtaining from the Legislature an det which, by itself, was quite sufficient to bave destruyed even a prosperous trade. This, which has been commonly called the Spitaltields let, entitled the weavers of Midallesex to demand a fixed price for their labour, which should be settled by the magistrates; and while both masters amb men were restricted from giving or receiving mote or less than the tixed price, the manufacturers were liable in heavy penalties if they employed Wearers out of the district. The monopoly which the manulacturers had hitherto enjoyed, though ineomplete, had had suflicient influence to reader inseutions and discoreries of comparatively rare occlirence in the silk trade ; but the Spitailitids het extinguished every germ of improvement. Tariament. in its wisdom, having seeu fit to enact that a manulacturer should be obliged to pay as
much for work done by the best machinery as if it were done by hand, it would have been fully to have thought of attempting anything new! It is not, however, to be deuied that Macelestield, Mauchester, Norwich, Paisley \&c. are under oblifations to this Act. Had it extended to the whole kinglom, it would have totally extirpated the manufncture ; but being confined to Midalesex, it gradually drove the most valuable branches from Spitaltields to places where the rate of wases was determined by the competition of the parties, on the principle of mutual interest and compromised advantage. After having done incalculatble mischief, the Act was repealed in \(18:-1\). inad it continued down to the present day, it would not have left employment in the metropolis for a single silk weaver.
But, as the effects of this Act did not imnuediately manifest themselves, it was nt first exceedingly popular. After 1785 , however, the substitution of cottons in the place of silk gave a severc cheek to the manufacture, and the weavers then began to discover the real nature of the Spitallields Act. Being interdicted from working at reduced wages, they were totally thrown out of employment; so that, in 1793, upwards of 4,000 spitalfields looms were quite idle. In 179x the trade began to revive, nal continued to extend slowly till 1815 and 1816, when the Spitallields weavers were again involved in sufferings far more extensive and severe than at any former period.
It appears from this brief sketch of the progress of the English silk trade, that from the ycar 1695 down to our own times it has been exposed to the most appalling vicissitudes. The reason is oubvious. The monopoly enjoyed by the mannfacturers, and the Spitalfields Aet, effectually put a stop to all improvement; so that the manufacture contimued stntionary in England, while on the Continent it was rapidly advancing. Whenever, thercfore, the markets were, either from the miscalculation of the manufacturers or a change of fishion, overloaded with silks, there were no means of disposing of the surples profitably abroad, and the distress became extreme. Notwithstanding the unparalleled advances we had made in other departments of manufacturing industry, it was affirmed, in 1826, by the member for Coventry (Mr. Ellice), in his place in the IIouse of Commons, 'that there were in that city 9,700 looms; 7,500 of which were in the hands of operative weavers, who applied their manual labour, as well as their machinery, to the manufacture of ribbons. These looms were, for the most part, of the worst possible construction; and it would scareely be believed that the improved loom in France would, in a given time, produce five times as much ribbon as the common loom in England with the same manual labour. He could also state that there existed an improved manufacture in Germany, by which one man could make forty-eight times as much velvet as could be made in un equal time by an English machine. What chnnce was there that the English mannfacturer could maintain such a competition?'

Permans these statements may have been somewhat exaggerated; but there can be no doubt of their substantial accuracy. Surely, however, no one believes that the inferiority of the machinery used by the English manufncturers was ascribable to anything except that the protection they enjoyed had made them indifterent to improvements. Noone believes that the French or Germans are superior to the English in the construction of machines; on the contrary, their inferiority is admitted by themselves, and by
everybudy else. That that spirit of invention which has effected such astonishing results in the cotton manufucture should have been so long wholly unknown in that of silk, is entirely to be ascribed to the fact of the former never liaving been the ohject of legislative proteetion. The cotton manufaeturers were not bribed into the aloption of a routine system; they conld not rest satisfled with mediocrity ; but being compelled to put forth all their powers-to avail themselves of every resource of seience and of art-they have, in a few years, raised the british cotton mannfacturo from a subordinate and trilling, to the very first place amongst the manufactures, not of this country only, but of the world.

Change, in 1820, of the Monopoly System.-At ienthl, however, the impolice of the systen by which the silk manufuenure had been so long depressed, beeame obvious to every intelligent individual. The prineipal manufaeturers in and about London subseribed, in 182.1, a petitiou to the House of Commons, in which they stated that 'this important manufacture, though recently' considerably extended, is still depressed below its natural level, by laws which prevent it from attaining that degree of prosperity which, under more favourable circumstances, it would acquire.' Fortified by this authority, by the experience of 130 years, luring which the prohibitive system had been allowed to paralyse the energies of the manufacturers, and by the sanction of I'arliamentary committees, Mr. Huskisson moved, on March 8,1824 , that the prohilition of forcign silks should cease on July 5, 1826, and that they should then be admitted for importation on payment of a duty of 30 per cent. ad valorem. On this oceasion Mr. Hluskisson observed : 'The monopoly had produced, what monopoly was always sure to proluce, an indifference with regarl to improvement. That useful zeal whiels gives life to industry, which fosters ingenuity, and which in manufaetures oceasions unceasing efforts to produce the article in the most ceonomienl form, had been comparatively extinguished. To the prohibitive system it uas to be ascriberl, that in silk only, in the uhole range of manufactures, we uere left behind our neighbours. We have here a proof of that ehilling and benumbing effeet which is sure to be produced when no genius is called into aetion, and when we are rendered indifferent to exertion by the indolent security derived from restrictive regulations. I have not the slightest doubt that if the same system had been eontinued with respect to the cotion manufacture, it would have been at this moment as suborlinate in amount to the woollen as it is junior in its introduction into the comatry:' (Speeches, val. ii. 1. 249.)

We have already alluded to the enormous tuties imposed, in 1719, when Sir Thomas Lombe erected his throwing miil at Derby, on foreign organzine silk. These, though subsequently reilueed, amounted, in 1824 , to no less than \(14 s .7 \frac{1}{2}\) d. por lb. There was also, at the same time, a duty of \(4 s\). per 1 lb . on raw silk imported from lengal, and of 5 . \(7 \frac{1}{2}\) d. per lb . on that imported from other places. Even had the manulacture been otherwise in a flourishing contition, such exorbitant duties on the raw material were anough to have destroyed it. Mr. Huskisson, theretiore. proposed, by way of preparing the manufneturers for the approaching change of system, that the duty on toreign-thrown silk should be immediately reduced to \(7 s .6 d\). (it was further rediced to is. in 1826 ), and the duty on raw silk to \(3 d\). per lh. These proposals were all agreed to; and considerable reductions were at the same time
effeeted in the duties charged on most of the stufl's used in the mannfacture.

It is to lee regretted that Mr. IIuskisson did propose that the reduction of the duties on r and thrown silk, and the legalised importation forcign silks, should be simultaneous and ima diate. During the interval that was allowed manufacturers to make preparations for the chan the French aceumulatell a large stock of gooms pour into our markets. To quiet the alurm oce sioned by this cireumstance, \(n\) singmar dev was thllen upon. The French had loug been eustomed to manufacture their goods of a certa length; and, in the view of rendering their ace mulated stock untit for our markets, a law w passed in 1826 , prohibiting the importation of silks except such as were of entirely diflere lengths from those commonly manufacturel the French. Wo one can regret that this wretele trick, for it deserves no letter name, entirel failed of its oljeet. The Frenels manufacturet immediately commenced, with redoubled zeal, th preparation of goods of the legitimate length and the others, having become unsaleable at any thing like fair prices, were purchased up ly th smugglers, and jimported, almost eutirely, into thie country.
But no permanent iujury arose from this circumstance; and, on the whole, the effect of the opming of the trade has been such as to justify all the anticipations which the advocates of the measure hal formed of its suceess.
Effects of the Change of 1826,-We do nit exaggernte, we only state the plain matter of in when we atlirm that the silk manufacture down to \(18{ }^{2} 2\) made a more rapid progress after the abulition of the prohibitive system in 1826 than it had dwe during the preceding century. The former dis parity in quality between goods of Fruch and English make had been materially abatel in mast articles, while in some the superiority was on ur side. The majority of our readers will, probatir, be rather surprised to learn that the real odedaid value of the silk goods of British manufacure es. ported to Franee in 1852 amounted te \(2 \overrightarrow{5}, \vec{j}, 3 ; 3\)
But though a great step at the time, the chase of system effected in 1826 was far from twily sufficien(ly complete. The duty then impoed d 30 per cent. on the importation of foreign silk wse at least, double what it shoudd have been. The expenses of smuggling silk goods into Fugard may, speaking generally, be estimated at ahat 12 or 15 per cent. ; so that the ligh duty, inatod of exelnding them, acted as a looury on thit importation through clandestine chanuels: and probably occasioned, by the temptation which it held out to gambling adventures, a larger quatitr to be imported than if the duty had been mate nearly proportioned to the expense of smutglines We ventured to contend in a former elition that in 'the event of the daties being reducel tolle 15 per cent. ad valorem, the legitimate inpurto ff forcign silk goods would be considerably increstio and their elandestine importation more than \(\mathrm{H}^{-0}\) portionally diminished; and the apparent protetion fiven to the manufacture being reduced, a nef stimulus would be applied to industro aal in vention.' We had predicted that, under such ? system, in no very long time, perhaps not nem than 5 or 6 years, our superiority oves Fraw in some important departments of the sll manifacture would be lit tle less decided than in that of cotton.

It was not, however, to be supposed that al departments of the silk manufacture would be equally benefited by the ehange of system frompot hibition to clutice, - Non orinia possumus. Therpo
a charged oll most of ilie dee anufacture. anmacture. ITaskisson didans ceduction of the daties on raw d tho Jegalised importation i \(^{\prime}\) it be simultameons and inme. interval that was allowed out ake preparations for the change, lated a large stock of drouls : ets. To quilet the alurm oers. reminstance, a siugular device remastance, French had lour been acfucture their goods of a certain e view of rendering their accuit for our markets, a law wa phibiting the importation of any as were of cratirely difleten: se comnonly nanufuctured bis me can regret that this wrothe ryes no better name, entirely et. 'The French manufacturets menced, with redoubled zeal, the oods of the legritinute lenrth; zying become nusalenble at any. rices, were purchased up by the nported, almost cutirely, intothis
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hability was, that the trade, placed on a proper haad anything to fenr, with the then existlng daty, foxtimb, would bo divided between the English aull French. In point of substantinl excellenec, the phain silk goods manufactured in England are equal to those of France; and the differenco in favour of the latter in polnt of finish las hecome less perceptible; while in all mixed manufuctures, of silk and wool, silk and cotton, silk and linen \&c., an ascendeney is admitted by the French themsylves. On the other hand, the ribbons, tlgure, sazees, and light fancy goots, manufactured in frane, ane superior to those of this comintry. Wut cren in this department we havo made grent progress: and funcy goods are now produced nt sphitaliedds, Coventry, anul ot her places, contrasting most alvantageonsly, in point of taste and beauty, with those produced previonsly to the introduction of the nev system. Still, however, we are not sanguine in our expectations of our countrymen ixing able to maintain a suecessful competition with our neighbours in the manutacture of this dass of articles. The greater attention paid to the art of designing in Lyons, the consequent thetter taste of the artists, and the superior brightness and lustre of their colours, give them advantages with which it will be very difflenlt to contend.

Whit supposing the trade to be partitioned hetween the two countries in the way now stated, it was easy to see that a large share would belong to us, and tiant that share would be more valuable than the whole manufacture formerly was. Proofs of the accuracy of these statements have since been supplied in abundance. Notwithstanding the decline of the trade at a few places, the manufacture, taken as a whole, greatly increased. During 1811, 1822, and 182:3, when the restrictive system was in its vigour, the imports of all sorts of raw and thrown silk amounted at an average to \(2,390,000 \mathrm{lb}\). a-year. But, despite the sinister prelictions indulged in with respect to the ruin of the manufacture, the imports amounted, at an averare of 1850,1851 , and \(1=52\), to above \(7,000,000 \mathrm{lb}\)., and the consumption to above \(6,000,000 \mathrm{lb}\), being an increase of more than 250 per cent. upon the quantity consumed during the monopoly.

The manufacturo of silk in Franco also materially improved, and a large increase took plaee in the value of the silks exported, which amounted in 1852 to about \(280,000,000 \mathrm{fr}\)., or about \(11,200,000\). Jhit it is satisfactory to know that we were able to make head agrainst this formidable competitor, and that, while the ralue of the exports of our silk goods amounted in 1823 , when the monopoly system was in full vigour, to only 351,4091 ., it amounted in 1852 to \(1,551,8 t 61\)., being an increase in the interval of nearly 500 per cent. In fact, we undersold the French in some of the heavier and more important species of goods in every market equally accessible to both parties. The value of our exports of silk youds to the United States amounted in 1852 to fut, 5901 ; and does anyone suppose that the Americans would have bought so largely of us, or that they would have bonght anything at all, had the French or any other party been able to supply them on lower terms?
When we formerly ventured to reeominend a reduetion of the dity of 30 per cent. on silks, we were inclined to think that it might, perhaps, eblize some of the minufacturers of tine and fancy goods to relinquish their employment; and we endeavoured to show that that was not too great a sacrifice to incur to place the trade on a proper footing. Happily, however, no such sacrifice was required; and writing in 1853, we stated that there was no department of the manufacture in which we
from the competition of the foreigner. Indeed, tho tale presumption then was that tho duties might, be advantageonsly reduced.

So doubt, however, the improvement of the manufacture had at that time been considerubly promoted by the total abolltion of the duties on raw and thrown sllk effected in 18.5.

State of' the Silk Trule previonsly to 1826.Those unaequaintel with the listory of the silk trade, who may have looked lato tho pamplikets and specelos of those opposed to the alterations in 18:5, will probably be disposed to think that, thongh more limited in point of numbers, the comlition of the workmen engaged in the de was hetter previously to 1825 than alterwards. lhat those who lavo looked, however cursorily, into the history of the trade, must know that such is not the fuct ; and that the situation of thoso elugared in it has been most materially improved since 1825 . We have already ndverted to tho state of the trade in 1793 and 1816. At the last mentioned period, 7 years beforo any relaxation of the monopoly liad been so mueh as thought of, the distress ifi the silk trade was intinitely more severe than it has ever been since the introduction of the new system. In proof of this, we may mention, that at a public meeting beld for the rellef of the Spitnltields weavers, at the Mansion House, on November 26, 1816, the secretary stated, that two-thirds of them were withont employment, and without the means of support; 'that some had deserted their houses in despnir, unable to endure the sight of their starving families; and many pined under languishing diseases broucht on by the want of food and clothing.' And Sir Fowell Buxton stated, at the same meeting, that the distress among the silk manufacturers was so intense, that 'it partook of the nature of a pestilence, which spreads its contagion aromnd, and devastates an entire district.' Such was the state of the workmen under that monoply system that has been the worthless theme of so much enlogy. IBut such, we are glad to say, is not their state at present. The trade, being no longer conducted under an artiticial system, is comparatively secure against revulsions: it would, indeed, be an absurdity to imagine that measures that have about trebled the manufacture, should have been othervise than supremely advantageous to the workmen.

We have already noticed the smuggling of foreign silks carried on in the carly part and towards the middle of last eentury. The evil was not afterwards abated. The vigilance of the custom-house oflicer was no matoh for tho ingenuity of the smuggler ; and at the very moment When the most strenuons efforts were made to exclude them, the silks of France and Hin lostan were openly displayed in the drawing- rooms of St. James's, and in the House of Commons, in mockery of the impotent legislation which sought to exclude them. 'I have lately,' said Mr. Huskisson, in an able speech in vindication of his policy as to the silk trade, 'taken some pains to ascertain the quantity of smuggled silks that has been seized inland throughout the kingdom during the last 10 years; and I find that the whole does not exceed 5,000l, a-year. I have endeavoured, on the other hand, to get an account of the quantity of silk goods actually smuggled into this country. Any estimate of this quantity must be very vague; but I have been gi;en to understand that the value of such goods as are regularly entered at the custom-houses of France, for exportation to this country, is from 100,0001 . to 150,0001. a-year; and this, of course, is exclusive

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The silk exported from China comsists of two lealing varieties, known in eommerce liy i.he names of Cunton und Nanking. The tirst, which is rased principally in the province of Cantom, is feiled into live нorts. The Nanking silk, produced in the province of Kinngnan, is divided into two sorts, known in commerce by the names of Tsatlee and Thysamm. It is very superior to the other, mad usuilly fetches more than double its price, It is wholly inported from Shanghace.
'Ihe thinf perds for the: expart. of Thimene ailks are Shemghate and ('antom. 'Thus thes expertes of


 growar lonks to the lome market for fixing the value of his produse, and prieses range aceording ne that demanal is aetive or dall, little or nar effect. baing problaced by the foreign exportation, except mmong nowealutive holders nt the perts.
liant lindia mative silk comes nlonost wholly from Ibygal mul I'egu, Aboul the year 17ibio, the Dinst Gidin Compmy intronduced the Italimn monde of reeling silk, which was problactive of a very great improviment. in the guality of tho nrlicle: lont we are not aware fihat any mobse-
 goonds leromplat from ladia aro not only inferior, in juint of quality, to those of binrone, lati almo to those of Chima. 'Ihe total vilue of the exports of raw wilk from IBritish India by ana, in
 both, however, luring considerably below thas neveruge of the previous is years. \(\Lambda_{4}\) will be: mend from the formoing statenesent, ligyps supplies moro than a half of our whole supplies of raw silk.
Jurkey silk wholly comsisted some years back of whit. is termeal long reel mat short reel lirutia, a malur comrse deseription, mited to few buyers, and chielly used in the ribben trale of Coventry; lut of hate it has been imported of a very far muperior textire mad gualidy, coming successfully inte tompetition with Italim aml Chinn silk The qualitics now known as brutias may be classel as lollows; viz. lotif reel brutia, short reel brutia long reed Mextup (being a liner thread than common brutin), short reel Mestup Selè (n finer sort, genernlly in loose skeins), Demirdask (n superior kind).

Nは, N゙
'The platis of Jrima (the mat of the silk trante in Avia Minor), anil the mpurent villages, gramore dittivent qualitios, varybug romailor-
 of llemiardask prombers ther dinest, owing tu the eare taken by the matives in kelerting the


 mands a liagh prob, atul is Mprowed by our throwaters.
'Iloe water of thia place in comsideren fasompabla
 whirli it mas le di-tingrional from that of Itravis. 'I'he silk at Ifrasa is taken hy the somalry fיי"phe its small pariels to the harinestar or custaniss, where it pases iluty. 'Tlow proprinfar wish n lifoher then takes it in the silk bazane, where it is
 the hiphest hinder, resembling, in this pesperet, the mondo of willing the ares in Cofllwall to doe dither-- int mbillers,

A permon buying aseorta an will as her can the dillirent qualities fir parkigg. It is generally.

 firs whipment per stemmers to tomathutimples. whern it limds its way to thic Mizam of somb broker's romes, to bo sold to the ditherent mer clanits. The thenet lomgs nre mastly bought fir the fremoh and liaswinn markete, fomernily the lattor. The lomg reele aro guing out of use in this combtry, as the more modern mochinery is but adapteil to its nese.

The l'יrstan silk crop of 18 itit-t is stated by

 best gmality iss. of this prodin'e dut, (106) 16. Ware shipied fo (irmat Iritain, \(30,(0001 \mathrm{Ib}\), (1) liranee, and \(\mathrm{l} \mathrm{l}_{\text {, (tion }} \mathrm{lb}\), to linswia,
liy far the greater part of the raw and thrown silk that comes ta tis from france is hot. the growth of ihat emmery, hut of laty. The Italian silk erop of lstiz, which (ex. Venetin) yichled
 slowed an imereme of over \(d\) per cent. beyoml the averare anmal promed daring the 11 vears since Is.i:, when the disense of the silkworm tirnt appard. (Ryport al Mr. Consul Colmarhi if
 hy Mr. Sceretary of Legation Ilerries on The Ludestrial Comufition of Italy.) 'The promber of

 having silk for a component part, was never in mure feneral nse than at present, no manufacture used for iress is more limble than this to suller in mon or more of its braneles from the sulden anprices of tivhion, If there be a rum unon riblom, pobably downg ges lace, and vioe versin. The chit suats of the manufacture, too, are npparently subject to serious matations of fortume. 'flavs the lyons silk weavers have expromeed a sad deeline of prosperity since 1856 ; the prombee of their trade, in that vour, as comparel with IXais, leing us \(7 . t\) to 11 ('Times of thetoher 2.2, INBiti, on the authority of the sialut Public of lyons). (It the other hand, the manufacture serms to thrive steadily both in switzerland (esprevilly in and near Zurich) and in the Rhenish provinces of l'russia.

The following table of the prices of silk is extracted from the very comprehensive circular of Jan. 7, 186!!, issurd ly Messrs. 'I. d. II. Jittledule of Liverpool, to which we have heen indebted also fur information regarding the erops and prieev of amgar de.


Sllivi:li (Gure silbur; Hutsth, zilver; bath
 Span. plata; lort. prata; linss, werebro; lin
 xill). A metul of a tine white colont, with mif vither faste or smell; being in guint if
 if we exeret. pulishoel sterel. It is suflur than eoppore; but hariner than gohil. When medelits specilhe gravity is \(10 \cdot 1 \cdot \mathrm{t}\); when hammered, pata, In malhahility, it is inferior to none of the metals, if we except goll. It may te howen ont into lemves omly s, rluctility is equally remarkable; it may he dawn out. into wire mosh finer thate a homan lair: tince, itudecel, that a single graitn of silver may le
 is such, lhat a wire of silver \((00)^{-x}\) insh it diameter is enpable of supporting a weght of 187. I: Ib, nvoirlapois withat brealing. Siber is easily nlloyed with eopper ly finsion. The eompund is harder and more anorums thas silver, and redanas its white colour cren when the proportion of ropper excepis b. The hardasis at a maximum when the copper amomis fo pow fifth of the silver. The stamblarl or sterling ilvet of Iritain, of whide coin is mande, is a compund
 gravity is \(10 \%\). The sperific pravity of lamo standard silver, composed of 13 parts vils ans?
 the whe tiovermment was not nearly so tine, hing composed of 261 pirts silver and iti cypreters purts silver to 1 part colper, The Awtint silver coin contnins \(\frac{1: 7}{2 x: 7}\) of ropper. The thite coin of the ancients was nearly pure and appas not to have been mixel with nilloy. Ihsides hine ased an coin, or mones, silver is extmindy employed in the arts. "The value of the siluen plate ammally mamufactural is very consion able, large quantities are nlan used in platiag:

The most proftuctive silver mines are in amo rica, particularly in Mrxico, l'ern, and Califnis There are also wilver mines in Ilungary, sisury Spain, Norway, and wher parts of Europe, any in Asiatic linssia. In \(1866^{7}\) we exported, extusik

kilber; Duteh, rilver: than ver; lir. arepent; ltal, argentu ort. pratal Russ, surs!ro; Mo cutulli ; (ir. nipynios; Arall, faz of it liue white rolour, willout smoll; bebing in buint or to none of the metallir butimy elishluel sterl. It is suflet than der than foil. When metulits is \(10 \cdot 17 \cdot 1\); when hammerd, this. , it is inferior to none of the Ecept fold. It may be leam ont
 ally remarkalle ; it may he drwa minch tiner than a homan lnir; on \(1 \begin{aligned} & 10 \\ & \text { single frain of silver mar } \\ & \text { an }\end{aligned}\)
 pable ot of silver 00, 0 ind in rdupois witlout hrakimg. Sillut rel with copler by fusion. The harder and more comoroms than ins its white colour exen when the opper excerols b 2 . The harheres when the ropprer amomestowe er. 'The stambard or storling , int silver coin is male, is a compura silver and I copper. Its putim - composod of \(13 \mathrm{~B}_{\text {part s wilver an }}\) 175. The Frenth silver com dinn: iment was not nearly so tine, biti:
 - 1 part eopper. The Alatris ontains \(\frac{1: 2}{2 x a}\) of copper. She then cients was nearly pure and apus en mixed with alloy. lhesidatwe: or nones, silver is extenimer the arts. 'The value of the sime \(y\) mantfacturent is very condiat quantities ure ulan used in patmen roductive silven momes are the sons rly in Mexieo, Yeru, and Calbernime o silver mines in llungary, same and \(y\), and oilier parts of

KIN(:Al’)R1:
128.


 able quantition of silver hase loren nhaingl in this cumbery hy the rethintis of hat. In pronit of thaw, we mily, in the foltowing Ntatoment. of the



\begin{tabular}{|c|c|c|c|c|c|}
\hline & & 1641 & 14.15 & 14.tij & \(1 \mathrm{~m}, 7\) \\
\hline Teal anco & & & & & \\
\hline pinkliond & &  & \%6, 0103 & 120,1\% & H0, \(0^{17}\) \\
\hline Wisara & & 1.30,4.4, & \(11 \% 117\) & 114.361 &  \\
\hline liramal & & 16, \({ }^{\text {a }}\) & & \(1{ }^{1}\) & 12.11 \\
\hline Whalden! & & 18,484 &  & H\%'516 & 116,1/6 \\
\hline alwe nisso & & & M, \%, & .. & 1..., \\
\hline & & \(\cdots\) & 7\%1.4it & 4.315.fi4 & N11, \(\mathrm{N} \cdot 1\) \\
\hline Value & &  & A1010 & 1 1, 1, *, 11 & \& 11 , Нй \\
\hline
\end{tabular}

 Thuse ure +itunted in the Siraits of Malacen, mu!
 I'rince of W'alos' latand, and Mabacen, ull tormerly under the fovermand of the Pisas. Indial Dompans:

 mar powroment. mutur un athierer with the lithe of Ciovernur of I'ritue of Winhes' Ishond, Sinmoure, amb Malara, and firs semer years alforwards ranked man Indinn presidency. In anda the prevideney was abolisheal, when the intor-
 but were subsequently phated in theret rores
 In Siventer \(18 . i s\), when the forsernment if the Rast hodia tompmy was abolished, these nettlomands, in common will all tha other torriturios intorging to it, 'atho mader the domintion of the C'rown, but were still mbministered by the tioverment of India. The imhabitmats, however, haviur previonsly pertitiond l'arlimacet that the setthaments in the strates shandal be formed into a direce dependeney of the Crown, nul lhis having
 frenet to the Colonial (Miner, and now form the
 mamissioned be her Majesty. 'thiss champe brought aloug with it the power of maloing lans for the colony, subjeet to conlirmations by the Crows, mad led to the infroklucion of the usuat madinery for that purpsice, in the shape of a legislative comucil, presited user by the guvernor. This otherer has his residroce in Simgapere, with a heuthanderovernor mater him int eath of the other stations. Wo shall now praceed to give sume accomb of the three places separatily, and wegin with Singapore, which in its combucreial robtinas is indientably the nost moresting and impurtmat of them.
Sungapere is an island nt the south-eastarn extremity of the straits of Mabacen, the fown In:-
 lis, and abomt ;in miles distant from the most nuthurly print of the Asiatic roni. unt. It is of an elliptial furm, abont 2 b miles in its greatest kengh, and 14 in brealth, containing an estimated arra of 206 square miles. But the Mritish settloment embraces a circumference of \(1: 0\) miles, in Which are included about \({ }^{5}\) is islets, with here and there a seattered senfaring population, and the seas and straits within 10) miles of the prineipal ishamb. The latter is separated from the manland by a strait of the same name, of small breath throughmat, aud less than half a mile wide in its marrowest. parl, Which, in the early perionl of buropem bavigation, was the thoroughfare between Judia and China. Lht the grand commercial highway
bet werell the dastrim ainl wemern parts of maritime
 imand on which the tuwn is buils, letwern it und " chatin of iviande ahome \(1:\) miled distant; thes



 sella of the term, 昭en to the llage of avery mintion, nul without rither impurt ur expert daline on gemples, tho onls import hejue a trivial rharge oft
 ons the rastern mind wentirn njpremeher to thes


 some resplations, the selthement is indolted for its rapind rise to a commereinl prosparity which is withont examphes in the emslom mas, and has camed its progress ba he likemed rather to that of
 thas heratioe all colropiot ill which are bromint trgather mal ixthungell the problucts mad mamfinctures of the western worli, of Indit, Cochin Chinn, sian, the Alalaymu penimala, and of tho whole whle reghon if the biantern Arehijn lago from its westurn limits in Sumatra, to the meritian of Now Cinitura and the Dhilippinses 'The commerrial bart of lan town bermbines n site on the wostern bank of a river, or rather sutt-water ereme, and on its somthern side facto the sera, the arok being mavigable for a comsiderable distane from
 their cargoes on the guay in frome of the warehouses. Ihesiders the latiles light on Goney I Het In the Strait of Simgnore, there has been, simen

 clear weather, and visible from Si. Ioln's Islanit to Johores slomb. 'fhere are also 2 oh her lights be lomging to the Straits tiotlemonts, ome on ('ap Limehata, mad anohlier an St. L'anl llill, Mnla en, the former visihbe lore e. and the laterer for 12 milow. Ships lie in the roads of opich harbour thane of the laresest findilig reoure sumblorage at a distane of two miles from the town, whitr those of intionor size approneh within a mile of it, or evern less, the smatler arati lying alose tothe shore. 'Iloe \(n\) wistance of a mumber of comverniont lighters, which are nlwases in readiness, ruathers then to lowh and monal ivith searerly any interruptions thromphout the year, the melorage groumb, oprou nis it is, heing never troubled by atorms. Of late years, moreover, means have beren in prorreses by which the facilities for discharging and unimaling ships have berol larerely mhled to, and will be still firther ineronsed. Wesides the onde romelstemb alrealy spohen of, the port inclulas an inner harbour, to whin the mame of New Hheromer has lome heen given, nud which lies a tiew miles to the westward of the town, Formed by the mainland of Simpapore itself, and a chain of islets facing its southern shore. Ilore considerable lines of whathge have already been consuructed, mimithmg of vessels of the largest burden being bectived alongenide, while more extensive works of a similar kind are molerstood to be in contemplation in the sime locality. The premises of the l'eninsular and Oriental Company, of the Messageries Impriales Company, the J'atent Ship and Dock Company, the Bornen Company (limitel), the Tanjoug Jaggar Company (limited), and of ot her important establishonents, are all sittoated on the shores of New Iherhour, and a ruilway, of which the lemgth will ont exered \(3 \frac{1}{4}\) miles, hans been projected, to connect the whole with the town, and with which a line of telegriph abrealy com-
municates, 'I'se port luas nlwnys afforded realy menas for the repalring of merchant whlpa, but then completions of the larke and costly doeks of the I'ntent Slip and luek Compuny, mill of the 'anjong l'uggar Duck dompany, bow ollices fincili tion for tho repair of ships of the largant bintilen, whether built of woul or of leon, na well us of
 avmilable in the contern weas.

The nettlement whinh exhibits these signat marks of promperigy was finmaded on Pedrany ti, 1815, at wheh time the island was covered liy a primeval tiorest, whilo its only binathents cous. sisten of a liew humbrod Malay hishermen, owerpeime the simgle villages in its comsen, and which
 right. of the Itritivh to form a wettlement on the indand was at the time diaputed by the Netherlamis Govermment, on the gronmi of its prior cession to themselves by the native movereign. llat these ofyerdons having Inem withdrawn, the ishand of singapore, with numeroms mijucolt islets, wore ceded in abmalate property and soverefinty tulte Eanst India Company lig a treaty condeded in Anguat I8:I, with the lwo Malay jrinees to whom it behonged. They received in exchather a nema of
 dolars to the ane mad 500 to the other, durine their nataral lives, with other fiscidental manantages, Tho settlement laving beon origimally fomaded hy Mr. (afterwards Sir) Stamtiord latlles, then lieutenant-governor al fort Marlborough Beneonlen, it was in the tirst instance a depen dency of that thovermment; hut being mabseguenily translerved to thengal, it remained mader that presideme antil its meorpormion with tho other two settlements in the straits as above.
lleing only 81) miles frum tho equator, there is, of course, little varicty in the measons, but the elimate, though hot, is remarkably sulubrious, an alvantage which is no donbt owing to the thorongh ventilation which the intand receives from the ehango of monsoons. 'lhere are no regular periodiend rains, but showers fall throughont the year; and daring the prevaleuce of the N. E. monsonn, from (hetober till Mareh, raincones down in sullicient quantity for the inhabitants to mark that perion of the yenr as their most rainy; as well as their coolest season, The ramge of Fuhrenheit's thermometer is from \(71^{\circ}\) to \(8 y^{\circ}\).
l'ive years after the fimulation of the settlement the tirst consus was takell, when the popuhition was found to amomit to \(10,1 \mathrm{BB} 3\). In 1850 it hat npproximated 60,000 ; and the following detnils of the last cernsus, which was taken in 18tio, will at once exhibit the continued inereaso of the promation, and the varions nationalities which it includes:-


The number of Europeans included in the tirst of the above items was only 360 ; but it is believed that a more than proportionate inerease has since taken place in that branch of the population. The population in 18155 was estimated at 90,700 , among whom were 58,000 Chinese, 13,500 Malays, and ahout 800 Europeans.
The Ehropean mercantile body comprises British, Americans, Germans, French de., and the former includes the principal firms, There is also a considerable number of respectablo and opulent

Chinewe and Arub merchunta, and inportant mie cantile extablishmenta combleted by dews, l'armer nuel othors. The mopkeepora aro montly Chine nad Klluge, tho former predominatiog, aul ad incluiling flow most valonble portion of th labouring population.

Aecording to tho olliehal returny for twindid the latent it present before the puthlie, the num ber of" Chinase lamigrante that urrived at Ningan pore daring that gear is ropurted nt min lows that
 d, ibe limul their why to Malacea, I'mang, an tho immedinte neighbourhoos, while aboat init combarked lis the Marition.
'I'low lontures are chiedy mativen of the Copemamdel coast ; and Ite Malays employ themselver us tishermen, in eullhig timber, amb is supplying the mettoment with the rude pradure of tho neighbourlanal. 'There are growl dails markets, opelat all hours, mol well surplied with regetables, fruits, grain, thels, prork, null grewn turle: the latter, the cheapest animal fors llat can bo prosiured. 'I'here is at registry of impurts and experts compiled from repurta male to the master nitemamt by the masters of verselo and invaces dolivered to the superinterndent of im. porta amil exports.
colns, wictallits, and mbaselles.
Monry.
Chins,- Acomuts are kept in Indian curreney and Spmish dollars, as fohlows:-

Fixchange.


Measures for Gruin, Oil \&re.


Weights.

The targe pecul, hy whith dia nand propury are cold, vein


Also- 10 gratang make 1 parah.


Gold and Silver Wimits.
 Land Mensure.
12 sq. f. make 1 Jumba.
io
24) umblas \(\int_{\text {urlonk }=1 \text { of Enallst acre. }}\)

Goldsmith's Wetghts.



A entty of gold is heavier than the common eatty in the pruportion of 105 to 78 .

At Atchet, Siak, Malacen \&e., places on the east side of the Mulay peninsula, the bracal and catty weights are about 10 per cent. less than the abore. There is nlso a buncal measure, which is in frequent use amongst Europeans and native traders to the eastward, and which is found to weigh yery nearly 2 dullars, or 832 grains troy.
rolimints, nitul injortant wer. eoblitueted by lews, larsews, kevers aro montly C'himene er jrelonituthog, ame abso allebal returne for 1 Mibititit, ledore the gelblie, the numerants that urrived at Situra \(r\) is rujurte:d nt nus lows than or lemales. (If these, neer iy to Malicera, lonaug, and
 turidiun.
ehielly untives of the Cormthe: Malays employ them, in cuthing timluer, num its , inent with the rule prishuce ond. 'I'luere are tonel dails hours, and well smplied nith grain, Axh, pork, und kretil he chengent hilual foum that l'hers in a registry of imparts led tirom repiorts inude 10 the by the musters of vescels, ant to tho superintolsilent of im-

\section*{HIITH, ANI MWASUULE,}

Money.
s aro kept in Imdian currency ery as follown:-
ropadg.
fixchan!fe.

 dilto \(=219\) ancra


\section*{res for Gruin, Oil §'c.}
make 1 gaten \(=\|\) gallem.
gnoran.
p barak
b

nis 4 , or \(3,38.3 \mathrm{hb}\). in a coymg of rice.

\section*{Weights.}
nako \(\left\{\begin{array}{l}\text { eaty } \\ \text { peedal }\end{array}\right.\)
\(\left\{\begin{array}{l}\text { peceal. } \\ \text { cosang of } 5,523 \\ \mathrm{Ha} \text {, avoindupois }\end{array}\right.\)
which till anil welpur aren wold, weigh

\section*{hahar of 121 li. aveirdupols}
make \(\left\{\begin{array}{l}\text { parah. } \\ \text { ceyung. }\end{array}\right.\)

\({ }^{23}\) It. 1 nz "avolalupels.
and Silver Wreights,
1 huncal \(=1\) cex. 9 dwts. 104 praines troy.

\section*{Land Mensure.}
make junika.
1 Junka.
oldsmith's Wetghts.
1 milam \(=52\) gralas troy. \(=932\) prains.

la is heavier than the common portion of 105 to 78. Gk, Malacea se., places on the east y peniusula, the buncal and eaty yt. 10 per cent. less than the abore. unt 10 per measure, which is in frebuncal measare, whative trades and which is found to weigh yery or 832 grains troy.

\section*{Commercial Weighth.}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{3}{*}{16 tapis JWI caltios} & \multirow{5}{*}{make} & \multicolumn{5}{|c|}{It. na. if.} \\
\hline & & \[
\begin{aligned}
& 1 \text { tarl nparly } \\
& \text { I calty }
\end{aligned}
\] & O & \({ }_{6}{ }^{11}\) & & \\
\hline & & 1 melay jeel & 141 & 10 & 111 & " \\
\hline \$ moway & & 1 bahr & 474 & 0 & 0 & " \\
\hline \[
40 \text { China }
\] & & 1 coyang & 5, 3 ,23 & 0 & 0 & " \\
\hline
\end{tabular}

The Malay catty welgha 2.4 Spailish dollars the thinese exes; hence th Malay catties "ymal If flhineses. Jly the Malny or large pecol of
 tin \&c, from native vessaln, lind sell lyy the


\section*{Mrosare of Capacily.}

\section*{4 rhapan make 1 \&uton ewher intlies \\ }



\section*{Lang Meresurt.}
 trpurs une tlu R'inalish yard.

\section*{Lutnd Menture.}


Binglinh weights and measures arr frepurutly ward in refurence to birropean commolities. 'Tho monle of tranacting linsiness anomí the Jinropean merchants is simple ausl efllcient. lastemi of trustimg their affinirs to mative ngents, an in other arts of India, they transact thom in prexonl, with the ocensional assistance of a Chinese crouke ne an inteprecter and broker. The Earogenn merchants tranald husiness on their own turount; but \(n\) arat deal of their cmployment consists in meting as agents for houses in London, Liverpool, tilasnow, Amsterilam, Antwerp, Hamburg, Cinlintin, Thmbay, Malras, Cumton, and Batavia. 'I'bey are glat atents for numerous insmranee ofleers at alt thesplaces, anil policies of insurance to any extent may be eflicted without dimiculty. 'The lananize of commercinl intercourse, where nuy of dunatives of the East are concernen, is maversilly Malay-a simple and easy dialect, of which all he resident merchants luve a sudicient acquaiatance to enable the in to transuct ordinary business, 'The Straits Times, a daily newnmprer, is now the ooly jourual published in Singapore; it cmitainsa price curtent, an account of the arrivals and departures of shipping, and an officinl detail of the exports and imports of the preceding week, The administration of justice is entircly English. I supreme court has been eonstituted for the adony; of which the chief justire resides at singapore, and goes on cirenit to Mnlncen, the ofler julhe of the contr being permanently resident in I'enang.
Commodities and Prices,--Singapore is chictly an entrepot, having, with the exception of pearl sage manufactured on the spot from the raw material imported from the north coast of Sumatra, implements of agrieulture, and somo others fabricated by the Chinese from European iron, with gambier and catcela grown and manusfactured on tho island, lew commodities of its ewn for exportation. Large quantities of teak from the neighbouring forests are disposed of here, and much of this has been used lately for the construction of railways in tho Enst. The crain froduced on the island not being suflicient for the consumption of the inhabitants for a week, their supplies of rice, wheat \&c., are inostly all imported, prineipally from Java and Calcutta.

Rhtes of Commixsion at Singhymere athopted at a tienerral Mreting of Merchuntw, on Hobruary 111, 1x:h), and reuiseal by the Ningupore Chumber if

1.

1. On ale ury puretianp of uplum



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1), thatl sonnt, woll by nuction la adidition to the alove
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7. Amdmintitrativa

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the opeturn of char punctually 'ipumatati, the agent to have.
 same ypir.
7\%. Gu trandibpishat all goods or proxluce
35. At the ophition of the agent, on the amount telated or : dited whilin the year, including lusers st, and "scerphing only ('Thia slaarke not to apply to paying over a haslance due on af account mate up 10 a paritenalarp ricel, unlent whe on such Abcount is wlithlrawn without reasonatife notice.)
35. thy collecting freight .
 vewid is loarled oulyuris ly another aurnt, ur proweeds elat Whare Fir a capga, in abseote of any spectal aprovenent
5\%. On advaises chate to accoant of consracto for pronluce, the usual 38. To pirchaving prosture, the commalabion to the charged on the luvole, lactulmg chasges.

\section*{Wharfage.}

Sculs of Churges fior Latuling, Shipping, and Wrarhousing Gioods et the Wharress in New Hurhour, and for Storing Coals Se.
the perpry ton of cargo landed or shipped = \(2: 3\) rentw I'reasure \&r
Inian per chent
- 2.5 senty ppian pert chest
- loy pereste

Todow'ns.-Vessels lying at the wharf have free use of tho fudowns alonggide, for cargo.
Goots remaining in the golowns over seven dnys, or storel there for a tixed period, pay store rent and tire insmance, at about half the rates authorised by the Chamber of Commerce.
Treasure and other valuable articles are stored, at the risk of parties placing them in the godowns.

No nrticles of a dangerons mature, such as guupowier, sulphurie or other acids \&c., are received.

Couls.-Store rent on coal is a per cent. per month. Coal is stored, with yentilators through the heape, in shels of small width.
Cooly lire discharging coul ships is \(12 \frac{1}{2}\) eents per ton, and storing, \(12 \frac{1}{3}\) cents per ton; removing trom sheds aul puttiog on board ship, 25 cents per toll.
steaners requiring great despatel can be supplied with coolies at 50 cents per day and 75 eents per night.

Boat hire or cartage from the wharf to the town of Singapore is 50 cents per koyan, the amme as boat hire from the rondsteal to grodowns in town.
'The following is a statement of the prices of the principal artictes of Eins arn produce at Singapore on llecember 8, 1868, from l'aterson, Nimons \& Co,'s circular of that date.
\begin{tabular}{|c|c|c|}
\hline leacription of Produce & I'resent Prices & At Earlounge, 4d. Ged per dollar \\
\hline  &  & \\
\hline Camphor, China \(\left\{\begin{array}{c}\text { case of } 92 \\ \text { cation }\end{array}\right.\) & (6) \(0 \quad 26 \quad 50\) & Insa. 94. per cwio \\
\hline Collie, pally picul & 930 & 168. W\%. \\
\hline Pratis Pat , & 10 10 12 6 & fle. Id. \\
\hline llandyne : " & 12 c 210 & 5i.s. \\
\hline Cerange, Minioar : " & \(\begin{array}{rrrr}84 & 0 \\ 14 & 810 & 1.9 & 0 \\ 7 & 818\end{array}\) & \\
\hline Cloves, Zunibar - " & 7010 & \\
\hline Wtony, (icylun : " &  & \\
\hline Gambier - " & \(290-\) &  \\
\hline Gambirr cubes in baviets \({ }^{\text {, }}\) & 340350 & 201s, bif. juer cwt. nett \\
\hline G3m & & \\
\hline Uuttapercha - " & 2010050 & Redt. to 1s. \(9 \frac{1}{2} d\). \\
\hline Guns, bealamin dammar & \(\begin{array}{llll}20 & 0 & 55 & 0\end{array}\) & \\
\hline copal - & 100110 & \\
\hline Ilites, buthato - " & 11001125 & 5fry per th. \\
\hline Home & 11900 & \\
\hline  & \begin{tabular}{llll}
30 & 50 \\
30 & 10 & 11 & 11 \\
\hline 10
\end{tabular} & the 11.0 per ru
la. Shd. per lb. \\
\hline Mother-if.jearlshits & 20.1180 & \\
\hline Oil, cocoanint - " & \(7{ }^{7} 0\) & \\
\hline  & (im) 0 & \\
\hline Pepher, Turkey - Prul & 671 5 \% 585 & 20. I Ah, per Ib. \\
\hline Peprer, blark \%hite \(\quad\) - " & \({ }_{9} 96\) & \begin{tabular}{l}
Th. jer lb. \\
4d. "
\end{tabular} \\
\hline Rice, Haygoon cargo koyan & 8) 015 S. 0 & \\
\hline saibem " & \begin{tabular}{llll}
67 & 19 & 28 & 0 \\
\hline 7 & 0 & 60 & 1
\end{tabular} & \\
\hline (tans, Jhanjarmaxsing puicut & \(\begin{array}{ccccc}57 & 0 & 60 & 0 \\ 5 & 0 & 5 & 5\end{array}\) & \\
\hline straitio \({ }^{\text {a }}\) & 20040 & \\
\hline Sako, flour - - " & \(260{ }^{2} 56 \%\) & 13s. fid. pur cat. \\
\hline Sand. pearl, Sword, Swa & 293
275
205 & Itia. Illd juercut. in boses \\
\hline  & 210 & \\
\hline \begin{tabular}{l}
sefars, Mandla N \\
2 Cortalios \(\qquad\)
\end{tabular} & 1150120 & \\
\hline Segars, Manilla No. yllabanas & \(\begin{array}{llll}1150 & 12 & 0\end{array}\) & \\
\hline Sugar, siam, white - picul & \(\begin{array}{llll}8 & 0 & 9 & 30\end{array}\) & \\
\hline Sagar, ellow sorts: ", & \begin{tabular}{llll}
6 & 6 & 7 & 50 \\
4 & 0 & 60 \\
\hline 10 & 0
\end{tabular} & \\
\hline  & \begin{tabular}{rrrr}
4 & 0 & 6 & 0 \\
11 & 31 \\
\hline 12 & 30
\end{tabular} & \\
\hline Tea 20 cty. \({ }^{\text {anx }}\) & \begin{tabular}{l}
5 \\
560 \\
\hline 1850
\end{tabular} & \\
\hline Tin, Malacea - picul & 2.375 - & 95s. 9d. per cwl. \\
\hline  & \(\begin{array}{cccc}18 & 0 & 19 & 0 \\ 11 & 0 & 12 & 0\end{array}\) & \\
\hline  & \(\begin{array}{rrrrr}11 & 0 & 12 & 0 \\ 88 & 2.5 & 8 & 51\end{array}\) & \\
\hline  & 15\% 0 - 4.700 & \\
\hline
\end{tabular}

Pexing, another of the Siraits Settlements, is an ixland at the North-western end of the Sitraits of Malacea, of which the chicf port, called (ieor,re Town, lat. \(5^{\circ} 24^{\prime} 15^{\prime \prime}\) north, \(100^{\circ} 21^{\prime}\) cast lons, is distant from the opposite mainland of the Malayan peninsula obout 2 miles. The island is between 13 and \(1 \cdot 1\) miles in length, and from \(5 \frac{1}{2}\) to abont 10 miles in breadth, and contains an area ol' over 68,000 acres. There is, however, belon ring to the settlement, a strip of teritors, enlled I'rovince Wellesley; on the main land, which is much more extensive, and is estimated to contain 150,000 aeres. The island is mountainoms, and the simmmit of the highest of the hills is abont \(: 3,000\) foet above the lecal of the sea. l'rovince Wellesley is, on the contrary, an alluvial flat, only a lew feet above the level of the sea, but its soil is well adapted for the growth of the sugar cane, as well as the production of rice and other tropical articles. The harbour of l'enang lies in the chamel formed between the island and the opposite manland, and is exceedingly spacious, well sheltered, and commodious, the depth of water allowing vessels of large burden to approach within a very short clistance of the town. Abundance of water and provisions, including excellent fish, is easily procured.

Penang owes its existence as a British settlement to the enterprise and sagacity of Francis

Li, suit of his avocutions, hud become well acpuainte whit the resourees of the surroun'ing countrie lis recommendations to found a settleneat i Penang were tirst nddressed to and favoutabl rrceivel by Warren lastiags, when Governa ticnernl of lengin, though not acted upon intilth alministration of his successor. The islaud, the minhabited and eovered with dense jungle, rai formally taken possession of, July 17, 178i, b Captain light, in the name of the East midi Company, to whom it had heea ceded and sold th. the Jajah of Quedalı or Keddah, suliject, howete to an ammal quit-rent of 10,000 dollars, which from that day to this has been regularly bid himselt and lis descondants. Captain Light san in the new settlement-' A port favourable commere-a phace of refuge for merchant shif where they may retit and be supplied with proyisions, wood, and water, and protected fron the insults of enemies; and an emporinm ceatricall. situated, where the merchants of all mations mar ronveniantly meet and exchange their comaidities.' Ile was not deceived in these anticipations, The new settlement began to increase rapilly in trade and pophation, the imports being reported of the value of 1330,00101 . within three years afier its foundation. In 1810 the anmal salue of the trate thad reached \(1,107,0000 l_{\text {; }}\) but thirty yers later, it had not advanced beyond about 1,5 popont It took a new start from 1800, since which it las steadily increased, averaging over \(3,000,000\) in the tive years ending 1860 ; and considerablyorer \(4,000,0001\), in the succeeding tive years, la 186:-6it, the imports and exports iadhed \(1,30 \cdot 4,9521 . ;\) and in \(1867,5,341,6504\); the particulars lor which year are shown in the fllowing table:-

Return of the Value of Imports into and Exports. from Prince of Wales' Islund or Penang in isiit.
\begin{tabular}{|c|c|c|}
\hline \multirow{2}{*}{Cuuntries} & \multicolumn{2}{|c|}{Value} \\
\hline & Imports & Expmon \\
\hline Gircat Iritain & \[
\begin{gathered}
\text { shots. } \\
1,3,35,2 ; 3
\end{gathered}
\] & \[
2, t a y, 1=9
\] \\
\hline North Amersea & 6,940) & 2, \\
\hline Furoue & 83, \(\times 12\) & S1014 \\
\hline Calcutia - & fins. 105 & \%utios \\
\hline Madras - & 231.267 & \$12, 161 \\
\hline Hombay - & 11, 6,4 & 110 it \\
\hline tonktong - & 342,580 & 587.956 \\
\hline Chisa foticer gorti) & Sut, Fl 12 & 614, 417 \\
\hline Siam * & 1, 1141,780 & 999, 919 \\
\hline Hrithhl Ilurmah & \(709,6,30\) & 1,066,111 \\
\hline Sunatra \({ }^{\text {Matayan }}\) - & 1,44,61f & 7.42000 \\
\hline Matayan I'enincula & 1, 467,980 & 1, 102,501 \\
\hline Ceylon - . & 14,211 & 1, 14.6515 \\
\hline Arabis - & 3,800 & 20,2\% \\
\hline Ragavia - & - & 3,175 \\
\hline Nicolars & 1,312 & 1, 60 \\
\hline Cioa & 2,026 & 2,:33 \\
\hline Tutal & \(8,823,733\) & 16,6 13,119 \\
\hline
\end{tabular}

Population.-The first census. in 1810, included as every subsequent one has done, the provine as well as the island, the popmation amouting to 31, \(\mathbf{6 0 0 0}\), In 1855, it mumbered 50.35 I , and the census of 1860 trave \(12 \mathrm{l}, 72\), exclusive of the military, Of this population the Malays form the chief portion, the Chinese amomatiug to about \(\frac{f d}{}\) the whole, the ravining population consiting of matives of Bengal and Madras, Arabs, Burmese, Siamese \&c. de., besides Luropeans and their desecadants. The English are the princijal merehants; while some of the Asiatics, such as the Chinese, Arabs, de, also carry on extensive trade, and frequently attain cousidinalle opulence. There are several bank agencies, and mumerous branches of Sen, life, and Fire Insurance established in the settlenent.
a merchaniman，who，in pur－ a，hind become well actuaintei of the surroumeing coluntris． is to found a seettlement in ghlressed to and fuvourably I Hastinge，when Governoif． nourh not acted upon mintil the is successor．The inland，then rered with dense justre，vil nession of，Jnly 17，178i，by the name of the Nast ludia it had been ceded and rold hy hor Keddali，subject，howeve －rent of 10,000 dollurs，which his has been regularly paid ：－ secondants．Captain light suw ment－6 A port favourable of of refuge for merchant bips e！it anul be supplied with pro－ I water，and protected from the －and an emporium ecntricall： merchants of all nations mar and exchange their commi． t deceired in these anticipations． nt began to increase rapitly in ion，the inports being reportel （0，00t）l．within three years after il 1810 the anmmal value of tha d \(1,107,000 l\) ；but thirty yests lranced berond about 1 ， 50 ond． et from \(18{ }^{\circ} 0\) ，since which it las d，averaging over \(3,000,000\) ，in ing 1860 ；and considerablyoner is succeeding fivo years，In mports and exports iached in \(1867,5,341,60001\) ；the par－ 1 year are shown in the folloring
the of Imports into and Exports Walcs＇Island or Penang in isti＂．

Value
\begin{tabular}{|c|c|}
\hline 1 mp orts & H：xprits \\
\hline \[
1,354,273
\] &  \\
\hline 6，9011 & ＋34， 113 \\
\hline 83,812 & \％31044 \\
\hline 6ins， 103 & \％ \(21 / 2,161\) \\
\hline （4， 6 ＇il & ＋1， \(0_{1}\) \\
\hline 312，789 & 60： \\
\hline \[
\begin{array}{r}
201,812 \\
1,1181,7 \times 10
\end{array}
\] & 919， 91 \\
\hline 7－11，6i30 & 1，036，114 \\
\hline 1，44， 416 & 7．421，090 \\
\hline 1， \(468.81,783\) & 1，802， 501 \\
\hline 1，14，211 & 44， 5.6 \\
\hline 3，800 & 第， \\
\hline 1，712 & 1，49 \\
\hline 4.026 & 2，湤 \\
\hline x， 323,73 & 16， \(610,3,39\) \\
\hline
\end{tabular}

The first census，in 1810 ，inchudel． The first census，in 180 ，movime as and，the population amountine to 55 ，it numbered \(55,35 \cdot\) ，and the grave \(12 \cdot \overline{2} / 2\), exclusive of the is population the Malays form the e Chincse amonnting to about \(\frac{1}{}\) －maining population consituing ral and Mudras，Arabs，Burmese， ce．，besides liuropeans nad ther： The English are the prineijal mot－ some of the Astaties，sueh as the Sce．also carry on extensive trad， attain considerable opulence．There k agencies，and numerous brnaches 1 Fire Insurance established ia the
 and numef was extengively prosecuted in the in our possessiom matil 1818 ．Then it was ugain i－land，but after a long time of apparent prosperity given up to the Dut ch，under the treaty of Vhema． it resulted in complete failure，and the produce of the suil inclules little beyond the Malavan fruits． It bas heen otherwiso in Provinee Wellestey， where cultivation has been extensively carricd on in several branches，particularly in that of the surar cunc，several thousand tons of sugar beiur munally exported．Tapioca is also produced and expurtell in large quantitics，and attention is being turned to the more extensive production of hiet；European capital and skill bearing a lage thare in promoting these results．
Masaces．The town and territory bearing this name are situated on the western side of the Malayau peninsula．The town，built close on the sa sliore，in lat． \(2^{\circ} 14^{\prime}\) North，and long． 102012 East，is distant about 100 miles from Singapore and efo from Penang．，There is a light vessel in Slalacea Straits \(2^{\circ} 52^{\prime} 30^{\prime \prime}\) N．lat．，and \(101^{\circ} \mathrm{E}\) ： long．Nalacea was in former times a large com－ mercial emporium，and possessed an extensive trute，when the small river on which it lies must have afforded important facilities，as it is capable of admitting trading vessels of some burden， but，though a free port，its trade has now long ceased to be of any relative importance，and is almost wholly confined to the two neighlouring settiements of Singapore and Penang．There is no harbour．properly so called ；but though ships lie in an open roadstead，the anehorage is safe， and exposed only to the squalls which mark the braking up of the monsoons．The climate is noted for its salubrity．
Halace，as is well known，was first of all a Portuguese possession，laving been captured from the Malays ly Albuquerque in 1511．In 16.41 it was taken by the Dutch，who continued its mas－ extracted from the Annual Report on the Admi－

Compurative Statement of the Value of Imports and Exports of the Straits Settlements，during the Official Years 1864－65 and 18ib－66． mapri thyed to our possension in The territury stretelies over 40 miles along the cuast，extending inlund in breadtlis of from 10 to 28 miles．The soil is not fertile，but protuces the tropienl fruits in great varicty and abundance． lepper as well as rice is grown；and attempts have of late ycars been made to extend cultivatiom to other branches，Tin mines have ulso been worked in the interior to a considerable extent， bat trade latterly has been declining．Whatever may lave been the former claims of Malaeca to importance in uther respeets，it has certninly in－ creased in population since it becane a British settlement．In 1828 the popilation was esti－ mated at nuder 30,000 ；in 18：17，at 55,000 ：and by the last census，in 1860，it numbered 67，667，and is understood to be still on the in－ crease．The greater proportion，perhaps \(\frac{3}{5}\) ，of the whole population consists of Malays；the Chinese being certainly the most numerous，and con－ stituting the principal traders as well as workers of the tin mines．
The following is a statement of the value of the trate of Malacea fir the tive years ending with 1865－66，from the latest returns published：－
\begin{tabular}{|c|c|c|c|}
\hline Seas & Impers & Exprors & Total \\
\hline & 9 &  & 4 \\
\hline （1862．4．3 &  & 边 &  \\
\hline \(\begin{array}{r}1866 \\ 1856.66 \\ \hline\end{array}\) & \({ }_{4}^{4,63,32,260}\) & ， &  \\
\hline
\end{tabular}

Trade of Singapore．－The following Table is nistration of the Straits Settlements for 1865－66：－ singapout．
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow{2}{*}{Countries} & & & \multicolumn{2}{|c|}{Smports} & \multicolumn{2}{|c|}{Eipuorts} \\
\hline & & & 1861－6．3 & 196．5－6i6 & 1861－65 & 1865．66 \\
\hline Greas Britain－ & － & & rupees
\[
18,3.3,150
\] & \[
\begin{gathered}
\text { ruper } \\
19,422,3: 1
\end{gathered}
\] & \[
\begin{aligned}
& \text { rupes } \\
& 9,566,969
\end{aligned}
\] & \begin{tabular}{l}
rupees \\
\(7,6 \cdot 5,6 \% 2\)
\end{tabular} \\
\hline Sorth America & － & & 127，16： & 13，5，5，5 & 1，409， \(1 \times\) & 3，170，317 \\
\hline Zarope & ． & & 4，573，9．58 & 4，177，729 & 611，06：） & 1，408，671 \\
\hline dustralla & － & & 3．51，2．32 & 149，1113 & 2.57 .496 & 110，199 \\
\hline Caicuta & － & & 4，606，045 & 6，967．915 & 10，597， 15 ） & 11，193，213 \\
\hline Madrai & － & & 190，0．36 & 244，906 & 501，419 & 210，470 \\
\hline Bombay & － & & 1，274，704 & 1，511，981 & \(1{ }^{1,3+2,039}\) & 3，231，573 \\
\hline C＇bira \({ }^{\text {cosina }}\) & \(:\) & & \(8,316,969\) & \(8.703,1051\) & 11，358，414 & \(11.571,098\) \\
\hline Cochur CChina－ & － & & 1，259，175 & 1，150，418 & 3，212，631 & 3，405，759 \\
\hline Nizm． & － & & \％， \(26.3,551\) & 2， 377,218 & 5，981，202 & 5，048，517 \\
\hline Manila \({ }^{\text {a }}\) & － & － & 507，586 & 630，179 & 105，111 & 142，091 \\
\hline  & ： & － & 7，056，441 & 10，813，\({ }^{\text {a }}\) ， 9816 & \(3,951,651\) & 4，678，115 \\
\hline \(\underset{\text { Borneo }}{\text { Celtes }}\)－ & － & － & 1，461， 4216 & 1，941，413 & 1，5，53，0＜5 & 2，086，809 \\
\hline Sumatira & \(:\) & － &  & 1，05S， 8 20\％ & 914，711 & 1，073， 1248 \\
\hline Milayan Peninsula & － & ： & 1，431，tivis & 1，861，5．52 & 1，694，509 & 1，694，042 \\
\hline liritrh Hurimalı & － & － & 4，465，760 & 3，914，429 & 2，079，456 & 1，425，661 \\
\hline Miscellaneous． & － & － & 6，825，10， 1 & 9，047，（158 & 9，151，401 & 8，929，463 \\
\hline Total rupees & － & － & 66，182，177 & 75，000，332 & 66，339，578 & 69，924，375 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|c|}{PENANG．} \\
\hline \multirow{2}{*}{Countries} & \multicolumn{2}{|c|}{Import＊} & \multicolumn{2}{|c|}{Exports} \\
\hline & 1864－65 & 186．5－66 & 1861．65 & 1865－66 \\
\hline Gireat Britaln－ & \[
\begin{gathered}
\text { rupees } \\
1,790,05
\end{gathered}
\] & \[
\begin{gathered}
\text { rupees } \\
1,211,921
\end{gathered}
\] & \[
\begin{aligned}
& \text { rupees } \\
& 4,7 \pi, 797
\end{aligned}
\] & nupees
\(4,8.35,640\) \\
\hline Noth America＊ & 1，790，199 & & 4， 224,309 & 1， 1991,965 \\
\hline  & 1，776，210 & \％ 71,109 & 9151，715 & 117，910 \\
\hline Madras \(\quad: \quad ⿺ \quad: \quad\)－ & 1，865，74．5 & 2，547，095 & 2，181，095 & 1，085，330 \\
\hline Bombay & 142，277 & 33，8．35 & \(3 \mathrm{351,705}\) & 393，198 \\
\hline China & 991，578 & 1，203，0．5 & 2，327，602 & 2，528，332 \\
\hline Sochn－China ： & & & & \\
\hline British Burmah & \(2,808,31.5\)
\(2,045,535\) & \(2,316,050\)
\(2,58,105\) & 1，924，26．5 & \(2,319,155\)
\(2,219,025\) \\
\hline Jima，Rhlo \＆c． & 2，045， & 2，32，105 & 1，90，640 & 2，29，025 \\
\hline Sommeo－ & 2，451，1．50 & 1，769，960 & 4，519，480 & 5，0\％2，410 \\
\hline  & 1，145，575 & 1886，980 & 4，259，750 & 1，738， 6,43 \\
\hline  & 3，511，360 & 1，461，742 & 3，329，530 & 4，181．885 \\
\hline Total rurees & 8，011＊，485 & 17，419．0×7 & 6，9，913，6．34 & 25，630， 4988 \\
\hline
\end{tabular}

Value of Imports and Lixports of Straits Setlements-contimuct.


The following statement shows the total value 1865 -66. (Report of the Prouress of the Stru of the import nud export trale of Siugapore and Settlements, p. 14.) of l'enang and Malacea for the 7 years ending
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow{2}{*}{Vears} & \multicolumn{2}{|c|}{Singapore} & \multicolumn{2}{|c|}{frenag} & \multicolumn{2}{|c|}{Malacea} \\
\hline & Vixports & Imports & Eaports & Imports & Exparts & Imparts \\
\hline 1459-60 & \[
\begin{gathered}
\text { rupes } \\
5,6.5,1,3,4 s .5
\end{gathered}
\] & rupers 1.71, \(, 41,1.39\) &  &  & rupees
\(31,92,096\) & \({ }_{5}^{\text {ruppes }}\) \\
\hline - 1s(6) -61 & 4,18,7x,718 & 5,41,26,4811 & 1,66,06,579 & 1,41,219,117 & (4), 16, \({ }^{(2,7}\) & \(41.0,66,501\) \\
\hline 1831-fis & 4,96,13, & 3,57,23, 101 & 4, \(113,6,4,3,6,9,3\) & \(1,64,87,431\) & 33,35,74 & 45,18, (19) \\
\hline \(1 \times 68\) & 3,55,53,7,6 & 6, 46,17 , 2 II & 4, 39, \(1,1,096\) & 1,68, 15,959 & 3.3,98,4107 & 45, 26.514 \\
\hline 186.3-61 & 6,30,77,4,38 & \(6,34,510,104\) & \(2,56,20,271\) & 1,71,98,6,51 & 3.9,96,011 & 4, \\
\hline 1864-6is & 6, \(6,3,39,588\) & (i, \(, 11, x<1,17 \%\) & 2,669,13, 63 & 1, \(110,1 \times, 123\) & \(34, \times 3,546\) & \\
\hline 1865-6it & 64, 19, 21,3 is &  & 4,56, \(50,29 \mathrm{x}\) & \(1,71,19,10 \times 7\) & 36,86, 2107 & \(410.42,51\) \\
\hline
\end{tabular}
- Arcount of the Quantities and' Vahes of some of the Princijal Articles Fxported from the Linited Sivgelom to Singapore, in 1865, 1866, and 1867.


Account of the Quantitics and "alue: of the Articles Imported into the United Kingdon from Singapore aml the Straits Srttlements in 1865, 1866, and 1867.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow{2}{*}{Principal Articles} & \multicolumn{3}{|c|}{Quantilies} & \multicolumn{3}{|r|}{Computoul lieal Value} \\
\hline & 1865 & 1866 & 1867 & 186.5 & 1866 & 1857 \\
\hline Antimony, ore * - . tons & 30 & 31 & 10 & \({ }_{4}{ }_{4.35}\) & \(\boldsymbol{E}_{479}\) & \({ }_{100}\) \\
\hline Camphar * cut. & \({ }_{15,021}{ }^{503}\) & 16.620 .403 & & 2,49x & 2,175 & \\
\hline  & 15,021,749 & 15,620,033 & 6,792,030 & 37,728 & 9\%, 93.3 & 110,85 \\
\hline  & 4,11 & 3,999 & & 13,034 & 14,754 & \({ }^{6}\) \\
\hline Coffee - - . \({ }^{\text {lb }}\). & 1,665,917 & 971,12.5 & 2,301, K 14 & 48,261 &  & 35. \\
\hline Fotton, raw - - ewt. & 1,636 & 4,157 & 214 & 4,771 & 17,749 &  \\
\hline Cutch - . - . tons & 472 & 340 & 62 & 11,638 & 9,731 & 2, 60 \\
\hline liamboge - - exit. & 173 & & 101 & 1,642 & 40 & 3,6) \({ }^{\text {a }}\) \\
\hline Gium, benasin - - - " & 1,353 & 1.467 & 2,293 & 12,123 & 12,804 & 18, \({ }^{3}\) \\
\hline cog \({ }^{\text {che }} \quad\) - \(\quad\) - & 1,188 & 1,609 & 477 & 5492 & 6,436 & 1.15 \\
\hline stich lae - - " & 16.5 & 1,701 & 6.7 & 316 & 4,842 & 168 \\
\hline other sorts - . . & 1,111 & 1,260 & 741 & 2,8115 & 7,185 & 331 \\
\hline Gutta percha - - \# & 21,045 & 12,211 & 12,487 & \(119, \times 10\) & 64,6, 3 & 76,5\% \\
\hline Hides, not tanned. - - & 15,213 & 12,13.5 & 11,125 & 56,146 & 41,085 & 39,29 \\
\hline Horns, hom lips, and pleces of horn : tows & 127 & 181 & 11.5 & 3.768 & 6,033 & 3,53/ \\
\hline Isinglass - - - ewt. & 459 & 417 & 2.55 & \%,143 & \(7{ }^{7} 35\) & 4,448 \\
\hline Mace - - \(\mathrm{lh}^{\text {a }}\) & 15,870 & 26,989 & 17,719 & 1,152 & 2,455 & 2,114 \\
\hline Mlother offpearl shelts, rough - cwt. & 16.3 & 423 & & 1,1811 & 1,207 & 4 \\
\hline Nutinega - 13. & 286,998 & 212,0919 & 190.8838 & 18,818 & 14,883 & 13,113 \\
\hline (1) i, chemical, essential, and perfumed " & \(16.98{ }^{4,360}\) &  & \(12.53,5649\) & 8.845 & \({ }_{189} 89\) & 19138 \\
\hline  & 16,919, \({ }^{\text {, }} 75\) & 13,008,36.3 & 12,531,049 & 213,938 & 192,315 & 1515 \\
\hline Rice, not in the husk - - ewt. & 37,458 & 44,899 & & 17,689 & 23, 388 & \\
\hline Sago - : - callona & 106,419
106,1140 & 131,788 & 142,844
89,867 & 89,162 & 146,581 & 119,93, \\
\hline Sprits, rum : \(\quad\) : gatlona & 106,1140 & 1+4,428 & 89,867
24,195 & 7,711
39,556 & 10,270 &  \\
\hline  & 37,535
18,191 & 15,981
14,376 & 28,193
15,660 & 39,356
87,509 & 15,379
25,695 &  \\
\hline 'rea - - \(\quad\) - 11 l . & 105,535 & 3,774 & & 8.092 & 306 & \\
\hline Terra japonica (or gambier) - t.ms & 13,110 & 12,189 & 13,16: & 516,843 & 296, 3.39 & 989,75 \\
\hline Tin - - \({ }^{\text {cwit. }}\) & 96,993 & 74,221 & 85,26\% & 450,101 & 291,632 & Si4, \\
\hline Tortoiseshell or turtleahell, unmanufnct. it. & \begin{tabular}{l}
4,512 \\
4885 \\
\hline 8052
\end{tabular} & 6,716 & 4,0.37 & 3,056 & 4, 336 & \% \\
\hline Wood, teak sapan wood \(\quad: \quad\) loads & \[
\begin{aligned}
& 48,052 \\
& 281
\end{aligned}
\] & \[
\begin{array}{r}
8,693 \\
837
\end{array}
\] & 12,201 & 532,5,39
3,176 & 276,244 & [19,39] \\
\hline All other articies - . value & & - 3 & , & 24,121 & 48,010 & 19,985 \\
\hline Total & - & - & - & 2,155,931 & 1,6109,863 & 1,431,58 \\
\hline
\end{tabular}
-continucd.
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|c|}{Eisports} \\
\hline 1863-63 & 180.5 .66 \\
\hline rup̧ues & тиреня \\
\hline \begin{tabular}{l}
\[
00,07 \mathrm{~N}
\] \\
\(177,0.18\)
\end{tabular} & \[
\begin{aligned}
& 5 f 0,612 \\
& 215,6 i f 1 \\
& 21,6 i 1
\end{aligned}
\] \\
\hline \[
\begin{gathered}
2,8 f i, 190 \\
40,10,10
\end{gathered}
\] & \[
\begin{array}{r}
2,89 \ddot{2,139} \\
0,5,55
\end{array}
\] \\
\hline 3, \(688,3,826\) & \[
\begin{aligned}
& 3,6 \times 6,207 \\
& 3,15,3,226
\end{aligned}
\] \\
\hline & \(4 \mathrm{n} \times 1\) \\
\hline
\end{tabular}
of the P'rogress of the Struits
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|c|}{Malacca} \\
\hline Eisporta & Imports \\
\hline \({ }^{\text {rupees }}\) & \({ }_{5}{ }^{\text {ruppes }}\) \\
\hline  & 41 \\
\hline  &  \\
\hline 3, & 4 4.1 \\
\hline 36i, 3,1836 & ( \(5,0,3,169\) \\
\hline 36, 56 & 4, \(2,42,51\) \\
\hline
\end{tabular}
ticles fixported from the linited \(l 1867\).
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|c|}{thectared lleal Value} \\
\hline 1863 & 1896 & \(10 \%\) \\
\hline 11.887 & \(\underset{1.1579}{ }\) & \& \\
\hline ¢9, \({ }^{\text {a }}\) & \({ }^{1,360}\) &  \\
\hline \({ }_{12.116}^{25}\) & 11,939 & 1406 \\
\hline  & Sficher & 4, 4 \\
\hline 147, \(1 \times 1\) & 173,0,66 &  \\
\hline 918.966 &  &  \\
\hline  & 11.273 & H1,46 \\
\hline 7, 15 & & , 9,793 \\
\hline 19,3z1 & \%6,077 & 3, 17 \\
\hline - 54,119 & 41,979 & 3tar \\
\hline 13,463 & \(5_{6,9] 9}\) & (9) \\
\hline 4,678 & 8, 8 ,67 & (1) \\
\hline 30,636
72,267 & 99\%,9010 & \%3,40 \\
\hline 1,10,418 & 1,9x6, mut & , 1069.910 \\
\hline
\end{tabular}
\(l\) into the United Kingdom from 1866, aud 1867.


The number of square-rigged vessels, incliding the flars of every liuropean maritimo untion, as well is of Arabia, Chim, Cambodia, Siam, nand
 durnig t inns, of which \(1,0: 36\) of 380,529 tons were British.
It may be remarked that a considerable portion of the trite whiela nsed at an marlier period to be carrim on in mative vessels, has of late years been tansferref to sppare-rigged vessels, owned and fitted nut ly resident. Chinese traders.
Nuch communication with liurope is kepe up ly Natemers of the I'eninsularand Oriental Comamy and of the Messureries Improviales Company, whin of whid arrive and depart twice every nunth; and the Netherlamds ladia Stem Comnum, rua a line of steamers, timed to meet the arivnl and dypurture of the Europe mails, bet ween sugapure, liatavia, and the principal outports of the Arechipelago.
Tdenraphic communication throughont Javn bus been for some yenrs established by the (ioremont of the Netherlands ladin, ind more reculy extended to Sinnatru, where a junction is pronked with a line from Singapore, in continuatin of the latian system of telographe, which areaty reaches Moulmein. And the Europenn inkaritants of Singapore look forward with confidence to the prolongration of the line from Java to the Austriliun colonies, as an immediate contrequence of the early connection of England and india by submarine telerraph.
The straits within which the three settlements we situated are formed hy the Malnyan peninsula out the east, and by the large extent of Sumatra on the west. They bear in a direction finm arth-west to sonthenst, and their extreme lenth may be stated at 500 miles, with numerous Glands at both ends, particularly at the southaterly one. The struits vary in breadth from 4) to 300 miles, and, as already shown, are lighted suficiently to render the natigntion safe.
The frearer portion of the materials for this atide have been kindly supplied by a gentleman long resilent in, and well aequainted with, Singapore. See also Parl. Papers on Straits settle-
ments de.
SLOPE: A town of Asia Minor, on the south coast of the Black siea, lat. \(42^{\circ} \underline{2}^{\prime} 30^{\prime \prime}\) N., long. \(80^{\circ} y^{\prime} \cdot 15^{\prime \prime}\) E. Population uncertain, estimated at 10,500. Sinope is situated on a low marrow sithmus, connecting tho high roeky promontory of Ala with the mainlami. Its port, which is the beat on this coast, on the sonth side of the town, spotected from the north and north-east gules of the isthmus and promontory already mealoned. Ships anchor within \(\frac{f}{}\) mile of the town, nfrom 13 to 17 fathoms; or nearer to it, in troos 5
207 fathoms. There is a roadstead on the neith ide of the ishmans, but it is open and exposed.
Sinope is one of the principal stations of the Fuikish flet, and there are docks and arseanls orits accommodatios and outfit. But the forcitiations can afford sufficient protection neither to he town nor the slipping. This was strikingly xemplified in the lutter part of 1853 , when a sussian squadron attneked, and, without any naterial loss to itself, totally destroyed, 6 Turkist rigates with several transports at anchor in the
pads, Its exports are inconsiderable, the prinpal being timber, salt, cordage, tish oil \&e.
In ancient times, Sinope was a city of great realth, magnitude, and importance. It was the irthplace of Diogenes the Cynic; and Mithriates made it the capital of his dominions. Aiter 8 conquest by the Romans under Lucullus, it
became the seat of a colony; anil continued for a lengthened period to enjoy a good deal of eonsideration,
Should civilisation mul the arts once more revive in the masiont l'ontus mul the other countries to the south of the Black Sea, the exerdlence of its port conld not fail to restore to Sinupe some purtion of its furmer gramlear. biven now a considerable intereonese is begiming to take place with the combries rast and sonth of Simepe.
 \(35^{\circ} 53^{\prime} \cdot 15^{\prime \prime}\) li., is one of tho prineipal sents of Pastern commeres; and caravans set ont regularly from it for Alppo, Sinyrua, and Constmatimople: hut anyone who consulfs a map of Asia Minor, and of the contignons conntrics, will see at mene that 'I'rebisom and the meightouring ports on the sombla-cast comant of the Black Sea are the matural charmels throurh which Armenia, Koordistan, and the north-western ports of Jersia may best maintain an intercourse with Europe. We shall nfterwards slaw that the danger to vessels in the roads of Trebisom has been very much exaggerated. ['monisono.] In the event, however, of the conmeree with the conntries referred to beeoming of any considdrable importaner, sinope would be all abvantageons entropot to which goorls might le brought, and whence they might be conveyed in proper vessels, and at proper times, to the other ports. At all events, it is of material importanco that a direct intercourse with the southern contst of the Black sea should be established, and that the trade with it should not be carried on, as hitherto, through Odessa. (For firther partieulars as tu) Sinope, see T'ournefort, Voyage ail Levant, tom. ii. pp. 202-212; and Norie's Sailing Directions for the Bluch Sea.) [TuEntsond.]
SKINS. The term is applied in commercial language to the skins of those animals, as deer, goats, kids, lambs \&e., which, when nrepared, are nsed in the lighter works of beokbinding, the mannatacture of gloves, pirchment se.; while the term hides is applied to the skins of the ox, horse de, which, when tanned, are tsed in the manufacture of shoes, harness, and other heavy and strong articles. Lamb and kid skins are prineipally nsed in the glove manufacture; 900 skins being sup[wsel to produce, at all average, 18 dozen pairs of ghoves. [Leathian.]
Account of the Quantities of the Chicf Kinds of skins Imported into the United Kingdom during 1866 and 1867, specifying the Conntries whence thry uere bromght, ant the Quantities brought from ench.


Qumutities of Shins-continuml.


The duly on skins having heen rephaled in Istio, the gamathe

 Ital. lavagma, lastra : Npan. pizarra). A fossil or compact stone (arpillaceous schistus) that may be readily split into even, smooth, ihin laminas. 'I'lure are several varieties of this valuable mineral, the prevailing colours being grey, blue, ant brown. [3ut the tints are very various; and slates are often marked with streaks of a dillerent colour trom the gromol. Shate is principally used in the covering of houses, for whieh jurpose it is infinitely superior to thateh or tiles, aml is far less experisive than lead. Goon rooting slate should not absorb water; and it shonla be so compart as not to be decomposed by the action of the atmosphere. When properly selected, rood shates are of ahoost perpetaal duration; but those which are spongy and imbibe moisture speedily get covered wid moss, and requirr, at no very distant period, to be renewed.

The use of slates in the cowering of homses is entircly European. firom the lellespont to China inclusive there is not a single slated house; and this does not arise from nuy want of slate, which is as abundant in Asiat as in Emopes.
shates rarried by had have mever been subjecter to any duty; but those sarricel constwise were, until \(18: 3 t\), charged with datios varyins atcording to their size and sumeies. The injustice of this distinction, and the impolicy of laying any duty on an article of this sort, are obvions. The revante it protuced was quite inconsiderable, not exceedine 35.000 e. a-year. It was repealed at the same time as the duty ea coal carcied coastwise.

Since the repeal of the dats, the consmption of thate has been mat erially increased; and it is now extensively employed for various purposes to whieh it was not formerly mate applicabie, such as the dooring of warehouses and vanits, the paving of streets, the formation of eisterns, the covering of worn or clecayed floors, and of the walls of houses in exposed situations \&c. The slate used for these purposes is cut by the circular saw

SLaVES AND SlAVE TRADH
into pioces of from \(\frac{1}{2}\) an inch to 2 inches Mmy humberl toms have beren used in the of the last few years in paring, thooring de: Lombon I oodse, and other large establishme
'l'lo frimeipal wate quarries in Creat are in t'amarsonshire. 'Those bolong ('ulonel l'manat (tow lourl l'mithy), near! employ about l.500 men amd bioys, and most extensive amd valuable in the cmpirn. other quarries in the same conmer employ \(1, t: 20\) onem and boss: and there are some in
 at llversfone, in lanemshire: and others. firior magnitule, in various parts of Westme. and Comberlind.
The principal slate quarries in Soutland Pasilale mad lalachmish, in Arayleyhire. Spe sencrally, thi stoteh quarrios ilo not aflind of the size mad smoothess of those whane the Wי口lsh quarries; and the woodwork, roufs cowerel with them repuires to be strom
labling shates are of dillierent sizes, an demoninat ed lmpreials, (!ueens, l'rimesse Their price, supposing their fuality to be in resiects equal, depromes partly on their siza paltly on their weight. In labi7 we exp (chicily to the Jnited states and Xustralia
 the value of the whole being \(81,31 \leqslant 1\).
SIAVES AND SLAV1; TRAIME. I sar the ordinary somse of the term, is an man at the absolute disposal of another, who b right to employ and trent him ne lie pie But the state of slasery is suse petille of merable monlitientions; and it has beon usus most coumeries where it has been lomes atatio to limit in varions ways the puwer of the ma over the slave. The stave trade is, of coms; business of those who dhal in shares.

Origin of Slarery.- A great deal of leamins heen employed in tracing the history of :lay thomgh the sulyject is stibl tar from cexamotel. scems most probable that it originally grew of a state of war. In rude mesisilisel ecomam where the passion of resenge acquires a sto unknown in more mavaned states of sum captives taken in war are adjulced to behe the victurs, wion may cither put then to sworl. or rellue then to a state of serviturs. antiquity, the ideas of war and slavery insיparible. Probably in rery nomote prisoners ware most commonly put to dey but the selfish gradually predominated over more passionate frelings, mod for many was usual to reduce them to the condit slaves; being either sohl by their captoss others, or employed by them, as they \(m\). think tit.
'The pratice of redncing men to a nat shacry; having onco begm, was pxtento varimis ways. The progeny of slaves women in a state of slavery were slaves born free might sell themsulyes as shase: parents hal aththority, in Judea and ling diepose of their children for the sane \(p\) (Michadis On the Iancs of Moses, ii. . \(63, \mathrm{Em}\) it was the law of liome, and of most anciont states, that the persons of deltas had contracted obligations which they cond discharge, should become the property on erclitors. 'Servi,' says Justimia, 'iuftel naseuntur aut timnt : nascuatur ex ancillisus fiunt aut jure genium, id est ex captivitat: jare eivili, cum liter homo major vigut ad pretium particir.and sese venundarip est.', (Iustil. lib. i. Le. B.)


AND SLAVE TIRADI,
oons \(\frac{1}{2}\) an incll to 2 inches line ons lave lucen used in the cuns ears in javing, llooring der at the and other large extablishmentid. slate yuarries in tireat thinis rvonshire. 'Those belonging ( now laril l'enthya), near lhapie l.500 men and boys, atod are tion and valuable in the cmpire. The int tha sanue county employ abo boves : mad thero are some in athe 'There are alse extensive ftatro in laneaslitere: and othets, uf is to, in various parts ol \({ }^{\circ}\) Westuntians? Id!.
al slato quarries in Soulland atp alablulish, in Argyteshire, Suatirs Sootel quarrios ilo not uflomishor I sumothiness of thuse obtained for singothand the woodwork of
intres; and with then reguires to be stromge. tes are of diflerent sizes, and at Imperials, (uecons, Irincesses b: unposing their quality to be in olba d, depwitids partly on their size tal eeir weight, ln 1867 we expers
 al slates by tale, 14, ti28 totas of shates the whole beinr \(81, i l x /\).
AND SJAVE 'TRA!HE. I ware sense of the term, is an indintis lute dixposal of another, who has ploy and treat him as be pias te of slavery is susceptille of ine liliortions; cind it lans been madi ies where it has been long cotablith -arious ways the powar of the mas . 'I'le slates trale' is, of coms: those who deal in shaves Slacery,- A Lreat deal of learninh to sed in traciner the listory of she suliject is still far lrom cxhansted. probable that it origianly gre war. In rude mucivilised commaniti assion of revenge acguires a strmo at more molvined states of some sen in war are ndjudged to bebest wion may either put then to Fluee thents to atate ot survitude. the ideas of war and slavery
l'rubably in very ramote se vare most commonly put to de ish Eradually predominated oret mate focliners, and for many ago to rednce them to the condition ing either sold by their capter employed by them, is they mis
atice of reducing men to a state tving nite begrin, was extmod ars. I'he progeny of slave a it state of shavery were samesi a ationity, in Juder and bore their children for the same purt On the Laucs of . Moses, ii , '63, Ent e law of liome, and of mot a tes, that the persons of deltes should beeons which they cour 'Servi,' sars Justinin, 'natem aut fiunt : naseuatur ex ancillis as ure gethium, jd est ex captivitate; cums liber hono major viginti sis n partice: \(\quad\) ms...n sese veundarif tit. lib. i, ti, i,
andinuty, as in moro moidern tinses, differed were widely in dilfirent combtries ant perimes, and anong different classes of slaver in the same ambery and at the sane time. A great theal also depended on the character of partienar masterss slaves beded up in the honso or fimmily of the nasters were miformly treated with preator madulyenee than others, and berame ontithel, by rustem, to several important privileges, it Athens, slaves appear to have beon better treated that in any other ancient state; ant Dhmonthenes allims, in his socome Ihilippis, that. "a slave was lecteroblat Athens than a frece citizen in many other comatries.' In repubicand lome, the masters hat the power of life amb death over their slawe who were often treated with the most detestable hatharity. It was not an momomon practico to a apose ind, useless, or sick slaves to starve in an Whum in the 'liber. We may, as Home hios just ly remarken, 'imagime what others womld pratise, when it was the prokessed maxim of the chler Cato to sell his superammatel slaves at any price, rother than manatain what he estemed a uselass burden.' (l'lutareh, in Vitá Catonis.) Eiryastulu, of dumeons, where shaves wre comtineal and chanch at nifht, and where they were somptimes made to work in the day, were common all wer laly. Columella advises that they be always bailt under groumd (lib. i. c. i) : and remains of them are still seen in the lower stories ol ancient buidings in Italy and Sieily. Jtundreds of slaves were sometimes put to leath for the crime of one only: and they were exposed, when they eommited any jetty frult, to all the vislence of the most eapricions and unrestrained despotiam.
It was not uncommon in the harbiromes ares to imanate captives on the tomb of such chiefs as hal fallen in battle; and magniticent games were erlebated on these oecasions. (Achilles sucriliced twelve l'rojan captives on the tomb of Patruchas, Illud, lib, xxiii.) The ghatiatorial exhibitions, wo conmon at lome after the I'unic wars, seem to have grown out of this practice. These were contests between slaves, denominated fhatiators, trainel to tight in public for the amosement of a frocio as populace, who took the greatest delight ia their sanguinary combats. Thousauls of untfortuate wretches were anmually sacrificed in this inhuman sport. After his triumph over the lacians, Trajan exhibited spectacles, in which no ferer than 11,000 wild beasts of dillerent kinds कrere killed, and 10,000 ghadiators fought. (Adam's Ruman Anthquities, p. 317.)
The cruelties intlicted on the slaves oceasioned frequeut revolts, nttended by the most dreadlid preesses, Spartacus, a T'hracian captive, destined for the profession of a gladiator, headed a rebelion of gadiators and slaves, whinh contimed for three rears, and equired all the force of the republic to uppress. When linally defiated by Crassus, about b,000 of the gladiator's followers were mailed to the cross, in double rows, that extended almost fumn Copua to Rome. (Ferguson's Roman Repmblic, 6. If.) No one acquainted with the manners of he Ritans can be surprised at the atrocities of ombly of the emperors. The worst of them reated the citizens better than the latter treated theslares, IIumanity could not be looked for in he rulers of a state in which human life was held contempt, and human sulferiner made the subect of papular sport.
la consequence partly of their ill-usage, and artly of its being accounted cheaper to buy than o breed rlaves, vast numbers were annually imorted into Italy. Thrace and the countries pound the Black Sca furnished large supplies of he best slaves; and numbers were obtained from

Keypt, Syria, liritain, Ganl, and other comotrios. The famons island of Delos, in the eentre of tho Gychales, was the greatest shave market of ant tifuity; as many as 10,000 slaves have bera sold there in a single day. (Strabo, lils. xir.)

It should, however, be observed, that shawers among the ancionts wats very different tronat the shavery of mandron times, at heast firom the shavery that latuly existem int omr West
 shaves in antiquity were physially identical with lrommen, and were diseriminated only by puecoliar marks, or by the charateter of their emb ployments. (slaves wore their bearily nud hair lomis; and when manmated, thoy shaved their heal and pute on a eap, which has in conserfuenter beconue the symbul of liberty. Brutus, atter the assassin;ation ot Cosar, eomed moner, on which the tigure of a tap wat impresed, to indicate th the prople hat heren rembered tree. See Adim's Antiquities, p. :37t; sue, alsw, Burhamaqui, Principes the Droit des (iens, iv. Hibl, where the reidder will remark a singular error.) It was truly said of' them, 'Survi homines sunt, et aepue blom lactem biherunt, ctiamsi illos malum tatum oppresserit.' (letronitus, eal. Burn. cap, 71.) Jhat monern saves belong to a different variety of the human race, the distinction between them nul Cheir masters becing obvions and striking. Owing to this lifterence between the slaves of ancient and modern times, the intuence of shavery at the two perions has been materially dilherent. 'Iha fremen of antiguity, who were acoustomed to tyrannise ower persons in all respects (except their social rank) on \(n\) level with themselver conld hardly fail to atoquire a ferocity of dis. position, anil coarsences of manner, that either dismprear, or are mach softened down, in a suciety where all are equal. lint such results do mot tertamy follow to the same, mor perhaps to any extent, from the practice of modern slavery. !n this ease the masters do not tyranmise over the eguads, hut over those who differ from the class to which they belong by the broalest and most distinetly marked characters; and their behaviour towards their slaves is fomed to have very little intluence over their behaviour towards their fellow-citizens. The white inhabitants of Virginia, for example, su) lately sliveowners, are quite as gentlemanlike in their manners, and observant of the resipet due to others, as their countrymen of New York or New England. Indeed, it there be any differene between them, it will probably be foum tos be in livour of the former.

Althongh, therefore, there can be no donbt that the shavery that existed in the ancient world had a brataisime influence over the manners of tho people, and gave them a degree of lerocity to which happily we have long been stranrers, it by ao means follows that the slavery which prevails in the New World shonld have the same intluence In the former case, masters and slaves were of the sume variety of the species; but in the hatter, the misters belong to one variety, and the slaves to a totally distimet, and most probably lower, variety so that the domination of the one set, and the subjection of the other, partake in some measure of the charater of the supremacy exereised by man over the lower animas, and have comparatively little intinence over the morals or condnet of the masters. There can be no manner of doulst that the slavery that existed in the ancient world was unfavourable to the progress of arts and industry. In the most celebrated mations of antiquity, the greater number of mechnoical employments were principally carried on by slaves and the dregs of the free population;
so that, while the workmen employed In them wero withont emulation or invention, the anployments themselves were looked upon as mean and servile. 'To such an extent did this prejudice operate, that in Rome, Sparta, and other relebrated states, agriculture and arms were the only vecupations that were reekoned worthy of a ireeman, or in which to could engage withont being degraded.

But the princifal difference between the slavery of the ancient and modern word consisis in the fact that in the former freemen wero quite as well suited as slaves for carrying on every art and employment; while in the latter the peculiar comstitution of the slaves fit them for employments which, thongh of tho highest importanee, cannot be earried on by their masters. The greater intelligenee of the whites cmables them to excreise a decided superiority over the black or coloured mitives of tide torrid zone, notwithstanding the latter are ineomparably better adapted for the prosecution of those laborions occupations which are indigenons, as it were, to the soil they ocempy. It is doubtful whether the constitution of the whites will ever be so accommorlated to the climate of the ropies as to enable them to engruge in that tield labont, carried on in the lower and hotter districts (tierras calientes), which is eongeninl to the blacks. At all events, no such aceommadation has hitherto taken place; and, therefore, it wonld appear that some moditimation of slavery, or that a supply of suitable eompulsory labour of some sort or other, is necessary to cuable civilised man to occupy, and to turn to a usefin] aecount, some of the most fertile and extensi ? regions of the earth. And hence the propricty aid enquiring inte the peliey of institutions like this, and of carefulty considering the peculiar conditions or eircumstanees under which they are to be aeted upen. Slavery in Europe may be, and we believe is (notwithstanding the opinion of Michaellis to the eontrary), in all respeets most objectionable ; but it is quite another matter with slavery in Louisiana, Cuba, and Brazil; the circumstances under which they are placed are so very different from ours, that an institution execedingly inexpedient on this side the Atlantie may be especially suited to them.

Tho establishment of Christianity contributed more, perhaps, than anything else, first to miticrate, and tinally to suppress, slavery in Europe. But, withn no very long period after its abolition had been completely effected in this part of the world, it began to be established in America.

The African Slave Trade was commenced by the Portuguese in 1442. It was, however, but of trifling extent till the commencement of the sixteenth eentury. In consequence, however, of the rapid destruction of the Indians employed in the mines of St. Domingo or Hayti, Charles V. authorised, in 1517, the introduction into the island of African slaves from the establishments of the Portuguese on the coast of cininea. The concurrence of the emperor was obtained by the intercession of the celebrated Las Casas, bishop of Chiapa, who laboured to proteet the Indians by enslaving the Africans; theugh, as the latter were certainly more vigorous and capable of bearing fatigue than the former, the measure was not in reality so contradictory as it would, at first sight, appear to be. (Rebertson's History of A merica, book iii.)

The importation of negroes into the West Indies and America, having conce begur, gradually inereased, untill the traffic became of great extent and importance. Sir Joln Itawkins was the first

Englishman who engaged in it; and such the ardour with whinh our eountrymen follor lis example, that the exported from Africa \(m\) than 300,000 slaves i ween the years lifen 1700 ; and hetween 17, and 1786, til6,000 Afrie were imported into ol: onica only; to which a ing the imports into ba aber inlands and continental colonies, and those who died on th passnge, the number earried from Africa will pear immaens:: (Bryan Edwards, Hishory of West ladiess, ii. (it.) The importations by of nations, purticularly the frened nad Purtugh were also very grest.

We do not intend, though the wuljeet be o of the highent interest, to make any lemeden empuiries as 10 the lecritimacy or illugitimary, poliey or impolicy, of the slive trave He na however, shortly oberve that thon sam ha doubt that slavery haw always existedi an Anme and it is sutliciently well kaown that pherive to the commencemient of the trallic, sitem of to captives taken in war as covild not be aravamang ously emploved as slaves wore hust nomumand put to death-cannibalism, the expusun eul fimets, and human macribicem, beeimg then athn wen freiuent. The elave trade, , wo weniug in man and 1 resititalde market for sheves, assisted putting an end to these enorniries, thourfin th at the same time, trave that the defere of :radiang ly their sale lhas sempted the pmaty prinees nuke wir on emash other for the chimee of maxin, captives, and han miven a stimulustur mans-sedinin and other atrowitien. (Geogrryphicui Divtionenty art. ' Africa.') There cean, however, be no reasonalile doubt thativivilisation has been, on the whow malvanced by the practiee of the trade. It jill exents, no evidence eithler hus beell, or, webleliere, ean le, produced to show that the stane ef Aficiea world have been pereeptibly improvel had the siave trade never been heand of. But \(t \mathrm{t}\) is quite certain, had sucll been the eass, that ther wowd have been a wide difference in the coadition of the Weet hudies, she Sinuthern states of Xorth imerieal. Brazil dste it will, we apprelenal, be fowm than the culture of sugar and other great colmiaistapilies eannot be proitably carried on in thex couneries, nor, perbaps, nuywhere within that umpics, without a sulply of compulyery laberur "| mome sert or other (see ante, Colosnma), Neititre we apprehend, can there be a question that taid extensive culture of these staples hem alded greatly to the comforts and conveniemes of th inhalituants of most civilised countries: and this addirion to their enjoyments las beae efion without injury to the slaves, it will not be enterg a matter as los been supposeel to show the iff policy of the trade. But those who enquire dipassionately into the sulbject will prodadedy pow to the conclusion that, instead of being iniure the slaves lave gained by being carried frou th Old to the New World. Speaking generall; ;t negroess are in the lewest state of abse emm possessing merely the rudiments of the rust io dispensable arty, a pryy to the vilest sprferstify and tyranny, witheut any tinetare of leamin? and with little of no regard for the futare, eireumstances under which they are flaed their native land may, perhaps, acconnt for it low state in whieh we lind them ; batt, hower explained, the gemuine negroes of Africa are t mitted, even by thate least jinelined to depred them, to be, for the most part, 'either ferroid savayres, or stupid, sensuab, or indolent!' (Pid ard, History of Man, ii. 233, 3rd ed.) FExaptid the violenee done to their habits aud iadinatio no one who knows any thing of their state africa and in the westerin lienixplhere cal posid
An
doubt that they have gained most materially by their transference to the latter.
llut, supposing their eharaeter to be such as represented, still it may be contended that thelr weakness or iuferiority gives tho whites no right to lurd it over them, to convey them to foreign countries, and to rednce them to a stato of bonelare; and no doubt it is exceedingly difficult to spreify in how far the civilised portion of mankind may be entitled to control those that are deeidedly lose intelligent and advanced than themselves. That they lave done so from the carliest ages is, husever, indisputable; and everyone who las any monaintance, however slight, with the history of cietr, is aware that the consequences of this montrol have been in the highest degree alvantageons; for, though polished mations have too often abused their superior power and intellireace, still it is abundantly certain that but for ribeir dictating to and subjugating others, half the civilised world would at this moment have been jomersed in the grossest barbarism. lhat without eapering lato any divenssion respecting the appliation of this prineiplo in the case of Alrica, it is eaough to know that the Luropeans did not uryingte slavery in that eontinent; the Atricans were enslaved and dimposed of as other goods and dratels fur eenturies before they began to be purchaved by the former; and the comluct of the whites is to be determined by tho nature of the treatment which the slaves received at their hands.
Jow, though it be abundantly certain that this ams been on the whole inclulgent, it is not to be denied that very many cnormities have been perpetrated, which the law should have prohibted and severely punished. The crowding of slaves together in their passage across the Atlantic, and the cruclties which some worthless masters have been accustomed to commit, are of this description. But these outrages are not of the essence of slavery; and they might and should, no doubt, have been suppressed. An institution is ant to be confounded with its abuse. The olyject of the sinve trade was to procure a supply of compulsory labourers for the service of the colonists ia the West Indies and other tropieal countries; but it did not, therefore, follow that the colonists were to be under no restraint, either as to the methods by which they sought to procure such bondmen, or as to the power which they might exercise over them.
Xeither does it follow, because the slave trade may have been for the general advantage of mankiod at a particular period, that it should be indefnitely extended. When as large a supply of negroes has been imported as may be necessary to supply its markets with labour, there can be no good reasoa for allowing their further importation into a country, at the same time that there seem to be sundry good reasons why it should be put a stop to. By preveating the importation of frosh slaves, the proprietors may find it for their interest to be more attentive to the eondition of those already in their possession than they might otherwise be; for it is evident that in fuch cases they enull only look to the natural inerease of their slaves for a supply of labour in future, and that they could not expect to supply by foreign importations the place of those who might perish by bad trentment. On these grounds we are indinell th think that the English and Americans acted with forite as much jrudence as humanity, in furbidding, in 1807, the further importation of - laves into their dominions. In consequence of the gperations of our cruisers in Brazilian waters, the Brazilinn Guvernment in 1850 also passed a
severe penal law arainst the trade. No douht, too, the slave population in Cuba and lirazil has of late been quite large enough to furnish, with proper trentment, an allequate supply of labourers, how rapictly so"cer we inay supprose them to advance in the career of inlustry.
We have ventured to submit these statements to the consideration of the reader, not because wo have any desire to extenuate tho evils inseparable from a state of slavery, or the cruclties of which slave-dealers and slave-proprictors ma." be justly aceused. lat, after making every allowanee for these drawbacks, it is evident, it tho preceding statements bo well fomiled, that slavery as it has existed in more modern times, and still more as it might be established, is not the ungualitied abuse it has almost uniformly been represented. On the contrary, we are disposed to regard it as being, under proper moditiantions, all but indispensable to the profitable cattivation of the westem countries in which it is still met with. It is to no purpose to say that free labour is cheaper than slave labour. We more tham doubt whether, when applied to them, there be any foundation for such astatement; but that is really immaterial, the fact being, that, were slavery abolished, few or no tree labonrers would be found to engage in the freat departments of industry carried on in the shave-holding conntries. It wotdd, indeed, be a contralietion and an absurdity to suppose that it should be-otherwise. In countries with a fruitful soil and under a tropical sun, the principal wants of the inhabitants are supplied with but little exertion, and the dolee far niente is their summum bonum. In such situations industry is a sickly plant; and instead of employing their surplus time in the production of articles of ontentarion and luxury, the inhabitants most commonly waste it in idleness and apathy. Were the slaves completely emancipated in Brazil, as they have lately been in the Southern States of Ainerica, and are abont to be in Cuba, it is all but certain that the culture of sugar and cotton would be as completely abantoned in them as in Hayti. And if the change were accompanied by a eensiderable improvement in the condition of the black population, the saeritice might not, perliaps, be deemed too great. But where is the grownd for supposing that such would be the case? Indeed the fair presumption sems to be the other way. Little, at all events, would be gained by turning a laborious well-fed slive into an ittle, improvident, and perhape beggarly freeman.

There may, however, be such, a thing in a colony as a quasi emancipation of slaves, or, which is the same thing, regulations may be enactel giving the slaves freedom, and at the same time excluding them from the possession of that which can alone make that freedom of any practical value. Speaking generally, the blacks in our colonies have little or no capital ; and, therefore, they must hive either by occupying patehes of land on their own acconnt, or by working for others. And provided they be debarred, by regulations effectual to their object, from acpuiring or oecupying small portions of land, they will necessarily be compelled, how much soever they may dislike it, to engare as labourers on the estates of others. This, however, is probably the very worst sort of eompulsory labour. It gives the blacks cnongh of freedom to make them in the last degree dissatistied with the regulations by which it is amght practically \(t .0\) mollity it, and makes thenit \(!\) onee discontented, refisetory, and idle. Ilat, witetched is it is, we betieve that at this moment the obstacles that have been and
may be thrown in the way of the backs obtaining putches of land are the principal dependence of the colonlsts in our West ladin istands for the coutinued culture of colonind staples,

Withont entering further on a sulyject which would require a long essay for its disenssion, we may remark that a good work on the suthject of alavery is a desideratum whel will not, probably, be speedily supplled. In this cometry it has heen rented as if it were everswhere the same, and as it it were in every case an ummixed evil and an vutrage on humanity. This, however, is to confond the most obvions distimetions, to sithstitute abuse for rensoning, assertion for ellguiry, and prejulice for principle. 'Ihose who (mpliire dispassionately into the matter will, perhaps, see aboudant reason for agreeing in opinion with Miclonilis and (irotius (l)e Jure Belli, hib, ii eap. 27), that while slavery has its evils, it may also have its advantages, and that if there be conntries and states of society in which the former very dechdedly prepondernte, there are those also in which the prepondernuce is as certainly on the side of the latter.

Abolition of the Sluve Trude- - Notwithstanding the sanction it received from l'arliament, and the sumineness of the pullic, the slave trade was freguently denounced by distinguished individuals, in this and other countries, as essentially eruel and unjust.

The tirst molion with relation to it in Parliament was inade in 1776 ; but the subject was not taken up systematically till 1787 , when a committee was formed, of which Mr. Granville Sharp and Mr. Clarkson, whose ummes are imperishably associnted with the abolition of the slave trade, were members. This committee collected some highly eoloured evidence of the enormities produced by the trade, which they circulated throughout the country, and thereby succecled in making a great impression on the public mind. After a number of witnesses on both sides had been examined before the Privy Comseil, Mr. Wilberforee, on May 12, 1;89, moved a series of resulutions condemnatory of the traffic. They were supported by Mr. Burke, Mr. Pitt, nud Mr. Fox. Mut notwithstanding the resolntions were carried, nothing was done to give them effect. The friends of the trade having obtained lease to produce evidence at the bar of the House, contrived to interpose so many delays that the session passed off withont anything being done. In the following sessions the struggle was continued with various anccess, but without any definite result. At length the triumph of the abolitionists was tinally consummated in 1807; a bill for the total and immedinte abolition of the slave trade, baving been carried in both Houses by immense majorities, received the royal nssent on March 25 , being the last Aet of the administration of Mr. Fox and Lord Grenville.
America abolished the slave trade at the same time as England.

But notwithstanding what had been done, further measures were soon discovered to be necessary. The Spanish and the Portuguese continued to carry on the trade to a greater exteut than ever; and British subjects did not hesitate, under cover of their flags, to become partners in their adventures. An effectual stop was put to this practice in 1811, by the enactment of a law introduced by Mr. (afterwaris Loril) Brougham, that made trading in slaves punishable by transportation for 14 years, or by continement to hard labour for a term of not more than 5 years nor less than 3 years. And since that period the British Government has zealously exerted itself
or the suppression of the slave trado in part of tho worlt. Ihat, in teflance of its et considerable uumbers of slaves contluued fir years to lon corried ncross the Atlantic to and Cubn, and it will be no ensy matter w to suppress the trade. Provided, inileed, the Powers were to concede a mutual right of'se and to make the traflle in slaves piracy; it \(n\) be effectually put down ; but there are all bu superablo projudices and jealousies in the w their conseutiug to adopt such mensures. landinel's work on the slave 'Irmule contains clearest and best exposition that is anywhen be found of its rise, progress, and suppres, and of the eflorts made by the llritish Goverm to induce other uations io abandon it.)

The British laws relative to the slave t were cousolidated by the Act 5 Geo, 1 V. c. 113 . as tho greater part of this Act was nuperseffer the stalute for the extinction of slavery (3 Wm. IV. c. 73), we shall merely lay before render the elanses still inforce relating to dea in slaves.
Decting in Slaves in the Migh Sens foc. tu deemed l'iracy,-And if any suljjeet or subject his Mnjesty, or any person or persons residing being within any of the clominions, forts, set ments, factorics, or territories, now or hereal belonging to his Majesty, or being in lisis Majest occupation or possession, or under the governme of the United Company of Merchants of Eiggla trading to the Enst Indies, shall, exrept in so cases as are hy this Act permitted, aft er January 1825, upon the high acas, or in any haven, fin ereek, or place where the ndmiral has jurislictian knowingly and wilfully carry away, conrey, remove, or aid or assist in carryiog away, an veying, or removing, any jerson or personis as slave or slaves, or for the purpose of his, het, of their being imported or brought as a slare slaves into any island, colony, country, teritory or place whatsoever, or for the purpose of bit her, or their being sold, transferred, used, or dad with as a slave or slaves; or shall, after the sif Jamuary 1, 1825 , except in such eases asarel this Act permitted, upon the high seas or with the jurisdiction aforesnid, knowingly and nilifut ship, (emhark, receive, detain, or contine, or asidit slipping, embarking, receivingr, letaining, ot on fining, on board any ship, vessel, or boat, anyperig or persons for the purpose of his, her, or theirbiat carricd away, conveyed, or removed as a alser slaves, or for the purpose of his, her, or theit beic imported, or brought as a slave or slaves intong jsland, colony, country, territory, of plaee whs soever, or for the purpose of his, her, of thr being sold, transferred, used, or dealt with w slave or slaves; then and in every such aut persons so offending shall be deemed and adjudy guilly of piracy, felony, and robbery, and convicted thereaf shall suffer death withnut tent of clergy-and loss of laiuds, gools, and chatldspirates, felons, and robbers upon the seavoms. to suffer. (Sec. 9.)

Persons dealing in Slates, or exporting orith porting Slaves \&ee. guilty of Feloay.-sind (eme in such special cases as ;re by this Act prmite if any persons shall deal or trade in, purdse sell, barter, or transfer, or contract for the delify or trading in, purchase, sale, bartcr, or tranfar slaves, or persons inteuded to be dealt with slaves; or shall, otherwise than as aforesw carry away or remove, or contract for the ury ing away or removing of slaves or other pencol as or in order to their being dealt with as sarey or shall inport or bring, or coatract fot importing or bringing, into any place whation
of the slave trale in every llut, in deflance of its effors ers of slaves conthued fir many ers of slas the Atlantic to birazil "will be no casy matter whilly will herovided, indeed, thegrai incede a mutual right of search, rufle in slaves piracy, it might down ; but there are all but inces and jealonsies in the wayll to adojut such measures, (ilt, on the Slave 'lrade contains the exposition that is anywhere to rise, progress, and suppression: made by the lritish Government rations to abondon it.)
aws relative to the alave trade d by the Act 5 (ieo, IV. e, 1]3, Jot, urt of this Act was superseded br the extinction of slavery (3dt , we shall mercly luy before the es atill in force relating to dealing
laves in the IIigh Seas gro to be - And if any subject or subject of any person or persens residing at ay of the dominions, forts, sette, or territories, now or hereatitr 'Majesty, or being in his Majesty' ossession, or under the governmant Sompany of Merchants of England East Indies, shall, except in such this Act permitted, after January, high seas, or in any haven, fiva, where the admiral has jurisicition, 1 wilfully carry away, conver, e d or assist in carrying away, an roving, any jerson or persons dis s , or for the purpose of his, het, ot mported or brought as a slare or ay island, colony, country, teritim, isoever, or for the purpose of bis eing sold, transferred, used, or dat -e or slaves ; or shall, after the of 525 , except in such cases asarely pitted, uron the high scas of mizin pll aforesaid, knowingly and wiflolt receive, det nin, or contine, or assitin parking, receiving, detaining, of cos rd any ship, vessel, or boat, anypera the purpose of his, her, or their beits , conveyed, or removed as a slare the purpose of his, her, or therberm brought as a slave or slaves intorn \(y\), country, territory, or placerthe \(r\) the purpose of his, her, of the: ransierred, used, or deall with 4 fendinen and in every such carewad racy, felony, and robbery, and bay reof shall suffier death withoul but do loss of lands, goods, and chateds , and robbers upon the seas ongt Sec. 9.)
lealing in Slaves, or exporting orit es \&.c. guilty of Felony. -cial (esme ial cases as :re by this Act permize ns shall deal or trade in, purile or transfer, or contract for the dered n , purchase, sale, barter, or with persons intended to be deale forceith or remove, or contract fors the amm removing of slaves or other resem er to their being dealt with as bin aport or bring, or contract for or bringing, into any place whatsore

Javes, or other persimes, as or in oeder to their being leale with as slaves; ror slall, otberwise than as aforesald, ship, tranship, embark, reevive, detain, or contine on board, ur eontract fior the shiphing, transhipping, embarking, receiving, detaining, or contlining on board of any shlip, iesel, or beat, slaves or other pursons, for the purpose of their belige carrial away or removed, pur order tor their being dealt with ns shaves: or shall ship, trauship, embark, receive, detain, ur antine on board, or contract fur the shippling, irmshipping, embarking, receiviug, detaining, or coukining on hoard of any ship, vessel, or bont, daves or other persons, for the purpose of their being imported ur bronght into any plaee whatsocyst, as or in order to their beinis dealt with as waves or shall fit ont, man, mavigate, equip, deonateh, use, cmploy, let, or take to freight or on life, or contract for the litting out, maming, savigating, equipping, desputching. using, emploving, letting, or taking to freight, or on hire any ship, yessel, or boat, in oriler to accomplish any of the oljects, or the contracts in relation to the objects, which whiects and contracts have hercinbefore been declared malawfin; or shall raviurly and wilfully lend or advance, or be come security for the loan or advance, or contract for the leading or advancing, or lecoming security tor the loan or advance of moner. goods, or effect, employed or to be employed in accomplishing my of the objects, or the contracts in relation to the oljects, which oljects and contacts have hereinbefore been lechared unlawful; athall knowingly and wilfilly become gnarante of secunty, or contract for the beroming guarante it senuity, for agents employed or to be empleyed in accomplishing any of the oljects, or the contracts in relation to the oljecte, which ohjects and antrats have liereinhefore been declared unlawful, if in any wther manner to entrage, or contract to engense, directly or indirectly, thercin, as a fartuer, nerent, or otherwise; or shall knowingly and wilfully ship, tranship, lade, or receive or put on bentid, or contract for the shipping, iransliphing, ladug, rectiving, or putting on board of why ship, vessel, or boat, monery, poods, or etlects, to be emploved in accomplishing any of the dijets, or the contracts in relation to the objects, which objects and contracts have hereinbefore been dedarel minaful; or shall take the charge orcommand, or navicrate or enter and embark on board. of contrnet for the taking the charge or command, or for the navigating or entering and embarking oa bard of any shij, vessel, or boat, as captain, mater, mate, surgeon, or supereargo, knowing that such ship, vessel, or lwat is actually emflyed, or is in the sance voyage, or upon the same occasion, in rexpect of which they shall so take the eharge or command, or navirate or enter and embark, or contract so to do as atoresaid. inteaded to be employed in accomplishing any ot the oljects, or the contracts in relation to the objeets, whicholjects and contraets bave hercinlefore been declared unlawful; or shall knowingly and wilfully insure, or contraet for the insuring, of any slaves, or any property or other suljectmatter engaged or emplored in accomplishing any of the objects, or the contracts in relation to the oljects, which objocts and contracts lave therinbefore heen declared unlawful; or shall vilfully and fraululently forge or counterieit any certificate, eertificate of valuation, sentence or decrec of condemation or restitution. copy of sentence or decree of condemuntion or restitution, or any receipt (such recsipts being requirel by this Aet), or any part of such certificate, certiticute of valuation, sentence or deeree of condem-
antion or restitution, cupy of sentence or decree of combemation or restitution, or receipt as aforesald: or shatl knowingty and wilfully utter or publish the same, knowing it to be forped or comnterfeiter, with intent to defrand his Majesty or my other fursom or jersons whinteocece, or atiy berly politic or corjurate; then, and in revery such case, the persons su othending, and their preverars, eomisellors, aideres, and abettors, shath br fifins. and shall be tronsparted for a trim not excemedime It years, or shatl be comimed and kejet to hare abour fior a term notexemediner 5 or foses than: yenrs, at the diacretion of the court beture whom such offenders thall te tried. (Sece, 10,)

Sermen \&\%, serving on lonaral such ships gnilty of Misdemenor, - Xad (escept in such mperial casen or for such special puposes as are he this Act permitted) if my person shall entur and embark on board, or contract for the entering and embarking on board of any slip, wasel, or boat, as petty oflicer, seaman, marine, or sorvant, or in any other capacity not hereinbetore specilically mentioned, knowing that such slip, vesael, ir boat is actually rmployed, or is in the simu voyage, or umon the same necasion, in resperet of Which they shall so enter and poblink on boaril or contract so to do as aboresaid, intented to lee employed in accomplishing any of the objectos, or the contracts in relation to the oljects, whin is objects and contract have hereinbofare been declared malawful; then. und in erery such case, the persons so otlending, and their procurers, connsellure, niders, aum mbetturs, shall be guiley of a misdemeanor only, and shall be punshed by imjrisomment for a term not execeding \$ years. (Bec. 11.)
Abolition of sharery. - i'e have already alluled (ante, Comonies) to the nemorable Net ot \(18: 38\), tior the abolition of shavery throurhome the llitish enlonies. In enacting this celdorated statute, l'arlinment endeavourel to reconcile the apparently conflieting elaims of lumanity and justice, by providing tor the cmancibation of the slaves, without prejudice to the just rights and chams of their proprietors. This was effected by assigning to the latter the sum of tuenty millions sterling. which was distributed anougst them on their conjlying with the provisions of the Act. This is, perhaps, the greatest peemiary sneriito ever voluntarily made by any nation in vindiention of the right of property. But it was not ton great for the olject in view: for had that right heen violated in this instance. a precedent would have been set for its violation in others, and tho ermsequences would have been most disastrous. The measure, in fast, reflects quite as much eredit on the wisibm and honesty, as on the generosity, of the Bratish nation. In aldition to the famous statutes already cited, we mar mention that the following also bear on the subject viz., o \& 6 Viet. c. 101 , for preventing the importation of slaves into Iotia by sen, \(6 \& 7\) Vict. c. 98 , and \(8 \& 9\) Vict. c. 93 ss. 88 and 89.

We gave, in the previous edition of this work, an abstratt of this eclebrated statute, to which we beg to refir the reader who may wish to become minutely arfuainted with its provisions. It is sutheient, now, to mention that it enacted that slavery should cease in all our possessions on Angust 1, 183.; when the slaves were to become apprenticed labourcrs, their tinal and complete emancipation taking place partly on Augnst 1, 1838, and partly on Augnst 1, 1840 . But a clarnour having been rasel arainst the duration of the apmenticeship, its period was shortened, and the blacks becane universally free in 1838.

Distribution of Slave Compensation.-The comminmioners for the apportionment of the \(20,000000 \%\). granted by larliament as compensation th glave owners, under the let 3 \& 1 Win. IV. c. 73 , msued the following 'luble, showing tho
verazo value of a slave in ench eolony; the slaves, huppoxing the ammal value of each wepe realimeal; and the proportion of the \(20,000,0,4)\) recolved by each colony.
\begin{tabular}{|c|c|c|c|c|c|}
\hline Culony & & Average Valuw oria Nhave Irom 1nde to 18.50 & Number of tilaves by tha lant llewhe. tration in ithls Country & Ifplative Viblue of tha Slaven & I'roporiten of the \(2 \pi\) ת. 19 which wach (culury io mounlind \\
\hline liermuda & & \(\sum_{47}\) ilid & & \(1110378{ }^{4} 8\) & \[
\underset{34,581}{x} \text { i: } 14.41
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\hline Il.thimis & : & 2914 & 9.ios &  &  \\
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\hline 11.50 l lupis & & 12416 & 1,781 & 200,514 110 & 1161950419 it.9] \\
\hline Wrein dalands & * & 3116 & B.198 & 10\%,143 9 y & \% 2.91118 x \({ }^{\text {a }}\) \\
\hline Andign & - & 3818108 & 99,637 & [p64,108 010104 &  \\
\hline Monteseral & - & \(\begin{array}{lllll}34 & 17 & 10 \\ 39 & 3 & 11\end{array}\) & 6, 3,785 &  &  \\
\hline  & : & \(\begin{array}{llll}39 & 3 & 11 \\ 58 & 6 & 111\end{array}\) & 4,742 &  &  \\
\hline Johthine \({ }^{\text {a }}\) & - & 43 M & 14, \(4 \times 1\) & 621,715 \& 11 &  \\
\hline If.crladoen & - & 4713 & W2,407 & 3, 897727619 as & 1,741,315 111 \%ov \\
\hline Sirenima & - & 5961 & \(2.3,535\) & 13P3,641 160 & \(616,11417{ }^{17}\) \\
\hline 8c. 'Vmanm's & - & 84 68 & 12,997 & 1,311,191 is 4 & 54y, 50x is open \\
\hline 'Tobhiso & - & & [13,62] & & \(2.34 .164^{4} 11.35\) \\
\hline St. Lucia & - & 106 in 7 & 13,314 &  & 3.4, 6.6781511919 \\
\hline Hr\|fol (huksva *. & - & 114:11 & \(\cdots 1.915\) & 9,749,047 is \({ }^{\text {a }}\) &  \\
\hline (ape of fiood ifope & & 73.11 & \(3 \times 1 \times 7\) & \%, N2t,2y 79 & 1,247,111 is idion \\
\hline Mausitiue & - & (i) 113 & 64,613 & 1,7M3,183 15 3 &  \\
\hline Totas & - & & 7m0,993 & 13,661,738 [5 10] &  \\
\hline
\end{tabular}

Buring tho eivil war in the United States of Anerich, a law was passed abolishing slavery throughont this territory, mil there can bo little doube that the spanish revolation of 1808 will lead to the extinction of slavery in Cibas.

SMAL'T'Z or SMAL'T (Ger, sehmalz; Duteh, smalt; lir. smalt ; Ital. smalto azzurro, smaltino ; Span. esmalte, azal azur; liuss. lazor). An oxjde of cobalt, melted with siliceons earth mad potash. It is a sort of glase, of a beantiful deep blao colour; and being sround very tine, is known by the uame of powder blue. The colour of amalta is not alfeeted by the; and it is consequently in groat demand in the painting of earthenware. It is also employed in the colouring of paper, and for other purposes in the arts. Beckmam lias provel that the proeess used in the preparation of smaltz was invented ahont the end of the 15 th or the beginning of the 16 th century ; and that the blue glass of the ancients owes its colour, not to the presence of cobalt or of smaltz, but to that of iron. (Hist, of Inventions, vol. ii. art. 'Cobnlt.')

Smaltz is prineipally nammfactured in Germany and Norway. 766 ewt , of the value of \(\bar{i}, 36 \dot{2} l\)., were imported into the United Kingrlom in 1867, and the exports in the same year amounted to 56 cwt.
SMUG(iLING. The offence of importing prohibited articles, or of defranding the revenue by the introduction of artleles into consumption, withont payiug the duties chargeablo upon them. It may bo committed indifferently either upon the excise or customs revenuc.

Origin and Prevention of Smuggling.-This crime, which oceupies so prominent a place in the criminal legislation of all modern states, is wholly the result of vicions commercial and linancial legislation. It is the fruit either of prohibitions of importation, or of oppressively high duties. It dues not originate in any depravity imherent in man; but in the folly and ignorance of legislators 1 prohibition against importing a commodity does not take away the taste for it; and the imposition of a high duty on any article oceasions a universal desiro to escape or evade its payment. Hence the rise and occupation of the smugeter. The risk of being deteeted in the elandestine introduction of commodities under any system of tiseal regulations may always be valued at a certain average rate; and whenever the duties exceed this rate, smuggling immediately takes place. Now, there are plainly but
two ways of cheeking this practice-either the temptation to smuggle must bo diminished bo lowering the duties, or the difilicalties in the wis of smughting must be increased. 'The first ju wo. viously the more maturnl and ellecient mothon of checting tho object in viow ; but the secoml has been most generally resorted to, even in aves where the duties were quito excessive. fiovernmonts have miformly almost consulted the papsons employed in the collection of the revenuc with respect to the best mode of rendering taxed ethectual; though it is clear that the interomb prejudices, and peeuliar habits of such petsons utterly disqualify them from forming a sound opinion on such a subject. They canaot recomsinend a reduction of duties as a means of \(r\) pressing smugerling and increasing revenue, withont acknowler ring their own incapacity to detect and defent illicit practices; and the result has been, that, instead of ascribing the prevalence of smuggling to its truo causes, the ofticess of castoms and exciso have almost universily ascribed it to some defeet in the laws, or in the mode of administering them, and have propord repressing it by new regulations, and by increasing the number and sevority of the ponalies affecting the smugerler. As might have becn expected, theso attempts have, in the great majority of cases, proved signally unsuccesful. And it has been invariably found, that nio vigilance on the part of the revenue officers, and no severity of punishment, can prevent the smug. gling of such, commodities as are either probibited or loaded with oppressive dnties. The smacelet is generally a popular charaeter; and whatever the law may declare on the sulyject, it is luticrons to expect that the bulk of society should ever be brought to think that those who furnish then with cheap brandy, geneva, tobacco \&c. are guilty of any very heinons offenco.
'To pretend,' says Adam Smith, 'to bave u!y scruple nbout buying smuggled goods, thoug! a manifest encouragement to the violation of the revenue laws, and to the perjury which almot always attenels it, wonld, in most countrics, be tegarded as one of those pedantic pieces of hypo crisy, which, insteal of gaining credit with anybody, seems only to expose the person who affects to practise them to the suspicion of being a greater knave than most of his neighbours. By this indulgence of the public, the smuggler is often encouraged to continue a trade, which he is thus

\section*{GGLING}
wo in enclu coluny；the ch；the total value of the anual value of each were portlon of the \(20,000,0\) ， 40 ，

\(\qquad\) ——．

ing this practice－either the fyle must bo diminished be or tho difficulties in the wiy be inereased．I＇le first is obo turnl and athicient melhat of in view；but the second has y resorted to，even in cation re guito excessive．hiverm－ nly almost consulted the per ho collection of the revenm best mole of rendering tares it is clene that the intermsts． culiar loabits of sucla persons them from forming a sound subject．＇They cannot recum－ of cluties as a means of ri－ －and increasing revenuc，with． their own incapacity to detert practices；and the result hat of ascribing the prevalence of －true causes，the ottices of iso have almost universily d defect in the laws，or in the ring them，and have propord new regulations，and by in－ er and severty of the penalties geler．As might have been trempts have，in the areat proved signally unsucecsisfal． provariably found，that 110 art of the reveunc officers，and shment，enn prevent the smus． nodities as are either prohibited ressive dutics．＇The smugglit ular character；and whatever re on the sulject，it is ludfictous bulk of socicty should ever be at those who furnish them with ieva，tobacco \＆c．are guilty of ffence．
ys Adam Smith，＇to have nuy＇ ing smuggled goods，though a ement to the violation of the I to the perjury which almost would，in most countries，be re－ those pedantic pieces of hypoo ad of gaining eredit with any－ o expose the person who affects o the suspicion of being a greater of his neighbours．By this public，the smurgler is often tinue a trade，which he is thus

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taunt to consider as，in momo meftarer，innocedt； and when tho severlty of tha rovenue laws if ready to fall upon hin，he is freguently dimposed to defend with violeneo whit he has boen ace－ customed to regart us his juat property；and from laing at thest rather lomputont than erinio unl，he，at last，too often becomes onte of the most andmined volators of the laws of mociety．＇ W＇alth of Nations，（D．IUti．）
＇low trente by menns of lofgh daties an ower－ whuming lomptation to indulge in crime，und then 10 punish mest for imhlulging in it，is a pro－ cealing combletey subverabe of every principle it juntice，It revolts the watural ferchings of the prilde；and teaches them to feel an interest bin the worst characters－for whelt smugglers pene－ gill：ate－le enponse their camse，hat avenge their wrongs．A pmishment which is not pro－ purtioneld to the offence，mad which does not cury the sanction of public opinion atonge with it， rall never be productive of anty goon sifect．Tho true way to put clown mangegling is to rember it emprotitable；to diminish the temptation to （marge in it：and this is not to he done by aurnuming the coasts with curdons of troops，hy the muliplication of onths and penalties，mul mak．og the comery the thent of of ferocions and homely contests in the tield，now of perjory and chicanery in the courts of law；but by ropathy prohibitions，and reducing daties，so that their collection may be entored with a mandeate degree of rigilance；and that tho forfetare of tho article may bo a sulticient penalty upon the smaghler．It is in this，and in this only，that we mast seek for an eflectual heck to illicit tratlleking．Whenever the protits of the fair trader become nearly equal to those of the smugrgler，the latter is forced to abnation lis hazarions profession．But so long as prohibitions F（oppressively high duties are kept up，or，which is in fact the same thing，so long as lugh bounties are lield out to encourage the adventurous，the mowly，and the protigato to enter on this career we may be nasured that armies of excise and customs officers，backed by the utmost severity of the revenue laws，will be insutheient to hinder them．
It would be useless to enter in this place into any lngthened details to provo the truth of these statements．Unluckily the entire tinnncinl and cunmercial history of this country and others athounds with instances in point，many of which must be faniliar to every realer．The prohibition whireign products，or the imposition of henyy luties on foreigu or native prorlucts，does not take away the taste for them．On the contrary，it would seem nis if the desire to obtain prohibited atoretaxed articles acquired new strength from the obstacles opposed to its gratitication．

Per damna，pre crides，ab piso
Lucit opes aninumque ferro．
The prohibition of foreign silks which existed periously to 1826 did not hinter their importation in immense quantities．The vigilance and inte－ prity of the custom－house oflicers were no match fre the ingenuity，daring，and douceurs of the smagglers．Ind at the very moment when the most strenuous efforts were made to effect their exclusion，the silks of France and LIindostan were openty displaycu i，Almack＇s，in the drawing－rooms d St．Jnmes＇s，and in the llouse of Commona，in mockery of the impotent legislation by which it mas attemptel to shut them out．There is，in trutb，great room for doubting whether the sub－ stitution of an ad valorem duty for the whole sys－ tem of prohibition was at lirst preductive of any material increase in the imports of foreign silks．

The riprul of the probibition was a most jucticious mensure；lint the duty being unfortunatoly tixad at too high a limit，it gave all overwhelming stimmlis to mouggting．Hefore the aboliton of tho duty on sllks，the axpense of their chandemtine importation from Franee was runghly esthated int nomont lig per eent，ad vilurem；and an the dut？（u）Eilks，dowil tor 18 lō，was double that amwant，or 30 prer cent．，we aced not womler that it was evtimated，by well－informed parties，that from a phird to a half of the botal guantity of imported silks escaped the duty．Indeed，evers－ ono is aware that thefr clandestino importation was carriod in to a great extent，within the part if lamien，a wif in the custom－honse itself，by tho earmotion and romblianco of the oflicers． Ind this，we nus bo assured，was not a soli－ taty instance．＇The corruption ot the otlieces is in truth an inevituble conseguenco of the over－tax ny＇stem．

The enormons dhties that were imposed pre－ vionsly to \(182: 3\) on home－made scotelt and Irish spirits produeed，as is seen in the art．Simites，an exfent of sumgerimg and demornlimation of which it is not easy for those who have not attended to such matters to form nu idea．At present，howevor， tho daties on tobaceo，brandy，and hollamis，but expecially tho dirst，are tho great ineentives to smaggling．＇lhe preventivo whter－huarl is kept up at preat expenso fur little other purposo than to hinder the clandestine importation of these arti－ cles．Iht notwithstanding its efforts，considernble quantities of them tind their way into the combry without belog sobjected to any duty．And how should it be otherwiso？Tho price of tobnceo in the contiguons continental ports may，at an ave－ rage，bo taken at irom 8 d．to 10\％．per lb，；and as the duty on tobaceo is from 3s．tid，to is，per lls．， need we be surprised to learn that，allowing firs the expenses of sumgerling，if one cargo out of three be safely landed，the business is as protitalle as it is adrenturous and exciting？＇But it is not sos mach by the introduction of tobacco from nbroad as by its admixfure or adulteration with other artieles that the contraband denlers endeavour to defeat the sluty：＇（Treatise on Taxation，＇3riled． 1．3．17．）

It may，however，be right to state that it must not be imagined that the inere thiminution of an oppressive duty on any article will put down the smuggling to which the duty may have given rise． ＇I＇he diminution may not be sulliciently great ；and if so，it will have but little influence．Thus， taking，as above，the cost of smuggling lirench and other silks into lingland nt 15 per cent．ad valorem， a reluction of the late duty of 30 to 25 or even 20 per cent．would，it is plaill，have done tittlo of nothing to preveat their clandestine importation． But its reduction，in \(18 / \frac{1}{5}\) ，to 15 per cent．，by taking away the supposed advantage on the side of the smuggler，all but destroyed his occupar－ tion．In reducing duties，either for the preven－ tion of smuggling or the increase of consumption， the reduction must be effectunl to its end；that is， in the former case，it mist be such as to bring tho duty below，or nearly to the level of，the cost of smuggling，and in the latter it must be such as to bring the article within the command of a de－ cidedly larger class of consumers．A reduction of \(5 s\) ．or 6 s ．from the late duty of \(2 \% \mathrm{~s}\) ． 10 d ．per gallon on foreign brandy and hollands would have been of no use ；for it would not have had any sensible influence cither in lessening smuggling or increas－ ing consmmption．Even the reduction effected in 1845，by Sir Robert Peel，of 7s．10d．per gallon， though advantageous，was too small to have the desired effect．It should have been 10s，per gallon． 402



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These considerations show the degree of weight which should be attached to the statements of those who endeavour to excuse or apologise for exorbitant duties by showing that they have sometimes been reduced without any materia ioncrease tuking place in the consumption of the articles on which they are laid, or any materina diminution of smuggling. In exemplitiention of this, it has been stnted that though the duty on twhacco was reduced in 1825 from ds. to 3 s . per lth., the consumption was not increased in maything like the same proportion ; and that notwithstandi:1s tho rapid growth of fopulation, a period of 10 years elepsed betore the tobacce revenue rose to its formar level. Hut no one nequainted with the facts could have nuticipated any ofler restit Taking the cost of tobseco at an averatere at tid. per lb. (which is beyond the mark), tho duty prev:onsly to and since the reduction has been respectively 800 and 600 per cent, ad valorem And it is needless to say that the least of these duties holds out an overwhelming temptation to smurgling and fraud. The truth is, that the reduction of duty in 1825 was an ill-advised measure; and there is periaps no great reason to conclude that the further raluetion of the present duty of \(3 s\). per 16. to \(2 s\). would be much wiser, or that, while it sacriticed revenue, it would be at all suthieient to suppress illicit practices. It is idle, therefore, by referring to instances of this sort, to endeavour to make it be believed that an molepate diminution of taxation is not followed by a corresponding inercase of consumption. Hind the duty on coftee, instead of being rechuced, ill 1808 , from \(1 s\). \(\delta d\), per lb , to \(7 d_{1}\), been reduced ouly to 1 s . 3 Cl . (the proportion in which the tobacco-duty was reduced), the effect would have been all but imperceptible; and instead of the consumption being immediately increased from about \(1,100,000 \mathrm{lb}\). to \(9,000,000 \mathrm{lb}\)., the presumption is it wonld not have been increased to \(1,500,000\) 1b. In taxation, as in everything else, unless the means be adequate to the desired ends, the result will be nothing. If you offer a premium of 8 to I on smuggling, to you imagine you will abnte the misance vouhave called into existence by reticing the premium to 6 to 1 or 4 to 1 ? It will be found in every case in which a reduction of duty is not followed by a more than corresponding increase of consumption, that the article continues to be over-tased, or that the duty left upon it either exceeds the cost of smugging, or phaces it bevond the reach of those who might otherwise become its consumers. We are bohd to say that no instance can be found in the financial history of this or any other country of an adequate reduclion of the duty on an over-tixed article not being lollowed by a cessation of smuggling and a great increase of consumption. (See Treatise on Taxutiun, by the author of this work, part ii, c. 9, 3 rllcd .)

Law as to Smaggling in kingland.- The penalies imposed on illicit dealing in commodities sulpect to duties of excise have been specitied in the articles on such commoditics. The following extract from the Customs Consolidation Act, the \(16 \& 17\) Vict. c. 107 , refers expressly to smugting. The importance of the subject has induced us to give a full gebatract of the chanses.

Renthictions on Small Chaft, and the fieglifations fohe the Pirgyention of smuggling.
Commissioners may make General Regulations fur Vessels and Boats not excecting 100 tons.The Commissioners of Customs may from time to tiane, by order under their hands, make such
general regulations as lhey shall deem expedie in respect of vessels and boats not exceeding 1 tous burden, for the purpose of prescribing, wit reference to the tonuage, buik, or description such vessels or boats, the limits within which t same may be employed, the mote of navigatin the mamer in which such vessels or boats slanid so empleyed, and if armed, the number and the cription of arms, the quantity of ammunito nuid such other terms, particulars, conditions, an restrictions as the said cominissioners may thin tit, and also from time to time may revoke, alt or vary such rerulations; and the general recula tions inade mader any former \(A c t\), and in foree : the time of the prasing of this Act, shall remai and continue in force until altered, varied, rewoked. (Sce. 196.)

Vessels and Boats used contrary to Regulation ,urfeited. - Every ship or boat which shali be wa or emplayel in any manner contrary to the regula tions prescriled by the Commissioners of Cust min whall be liable to forfeiture, unless the same shal have been specially licensed by the Commissionery of Customs to be so used or employed as nea: hercinafter provided. (Sec. 197.)
Commissioners of Customs may grant Specind Licenses on Terms.-The Commissioners of Cutoms may, if they shall so think fit, grame license in respect of any vessels or boats not exceedn. 100 tons burden, upon such terms ant conditionand sulject to such restrictions and stipulation, as in such licenses mentioned, notwithstandin, any general regulations made in pursuanee of the Aet, whether the said regulations shall be revolent or not ; and if any \(y\) ssel or boat so licensed shatil not comply with the conditions imposed by or expressed in any such license, or if such vessed boat shall be found without having such niens: on board, such vessel or boat shall be forfeited. (Sec. 198.)

Commissioners may revole Licenses.-The Commissioners of Customs may revoke, alter, or vary any license or licenses granted under any format Act, or which may hereafter be granted under this or any other Act relating to the customs. (sen, 199.)

Fessels made use of in Removal of uneustomed or wrohibitrd Goueds for citited.-If nny such vessel ir boat shall be used in the importation, landint, removal, carriare, or converance of any uneur. tomed or prohibited grools, the same shali be furfeited, and the owncr and master of every subh vessel or boat shall each forfeit and pay a pematry equal to the value of such vessel or boat, not in any case exceeding 500l. (Sce. 200.)
Regulations to e.stend to Channel Islands. -101 the rggulations which shall be so made by the wit commissioners of customs relating to vessels and boats, and the power to grant, revoke, or vary such licenseq, shall extend to the Channel Istand, (Sec. 201.)

Ships not to sail from Chumel 1slands wuthmi Clearance. -No ship or boat belonging whully or in part to her Majesty's subjects shall sai' from the Channel Ishands without a clearance, wtether in ballast or having a cargo; nad if with cart. the master shall give bond to her Majestr in double the value of such eargo for the due landin: thereof at the [iort for which such ship or buat clears; and every such ship or boat not harivg such clearance. or which, having a clearance for her cargo, shall be found light, or to have discharged any part of her cargo before arrival at the port or place of diselarge \(\mathrm{s}_{1}\) ecified in the clearance, shall be forfeited. (Sec. 202.)
Boats of Vessels to bear Name of Vessel, Port, and Master.-The owner of every shap belouging
ns they shall deem expedient and boats not exceeding 100 purposo of prescribing, with mage, bild, or description of s, the limits within which the oyed, the mole of navigatin, if such vessels or boats shall be f urmed, the number and tethe quantity of ammunites, ns, particulars, conditions, ant said cominissioners may think ime to time may revoke, alter. ations; and the general regulaany former Act, and in furce at lasing of this Act, shall remaiu furce until altered, varied, or 6.)
its used contrary to Requlation ship or bont which shall be wemb - manner contrary te the regula-- the Cummissioners of Custion. forfeiture, unless the same shall - licensed by the Commissioners so used or employed as nes: ed. (Sec. 197.)
of Customs may grant Sperid of-The Commissioners of Cu:shall so think fit, grant licens: - vessels or boats not exccedl? upons such terms and conditima, ch restrictions and stipulationes mentioned, notwithstandin? lations made in pursuance of this said regulations shall be revole il y y ssel or boat so licensed shat the conditions imposed by or such license, or if such vensel ur nd without lanving such ticen-w essel or boat shall be forfited.
may revoke Lieenses.-The Cumastoms may revoke, alter, cr vary enses grinted under any former ay herealter be granted mider this relating to the customs. (sw
se of in Removal of uncustomedor forfeited.-If any such vessel of ed in the importation, laudins. e, or conveyance of any unew. ted goods, the same shall be fort wher and master of evory such all each forfeit and pay a pemalty we of such vessel or boat, not in ng 500. (Sec. 200.)
extend to Channel Islands.-ill hich shall be so made by tbe shim customs relating to vessels and power to grant, revoke, or vary lll extend to the Chamel Islants.
ail from Channel Islands wiflowt hip or boat belonging whilly of Iajesty's subjects shall sni' itum nds without a elearanee, wlethet ing a cargo; and if with caro, Il give bond to her Majestr in of such cargo for the due landin; ort for which such sliip or buat y such ship or boat not havis or which, havins; a clearance lis be found light, or to have diof her cargo before arrival at the diseharge supecified in the cleatfeited. (Sec. 202.)
t/s to bear Name of Vessel, Porf, ic owner of every shap belonging
whully or in part to any of her Majest, subjects
shat jaint or cance to be painted nom the mitside of the stern of every boat belonging to such ship the name of such slip and the port or place to which she belongs, and the master's name withinsite the transom, in white or yellow Roman letters, not less than 2 inches in length, on a black urombl, on pain of the forfeiture of every such boat not so marked, wherever the same shatl be thuad. (Sec. 203)
Boat not belonging to Ships to hare Name of Ohener and Port thereon.- The owner of every buat not belonging to any ship shall paint or cause to be painted upon the stern of such boat, in white or yellow Koman letters, of 2 inches in length, on a black ground, the name of the owner of the boat and the port or place to which she beloags, on pain of the forfecture of such boat not so marked, wherever the same shall be fomme (sice, 201.)
British Vesscls having secret I'ates for concealing or Devices for running Goods, and Firreign liessels having Goorls in seeret Places, firfeited.IIf ships and boats belonginir wholly or in part to hot Majesty's subjects having talse bulkheads, fillse bowa, double sides or bottoms, or any secret (10 disguised place whatsoever, adapted for the purpose of concealing gools, constructed in such ships or boats, or haviug any hole, pipe, or davice in or about such ships or boats adapted for the jurpose of rumuing goods, shall be forfeited; and all foreign shins or boats coming int~ any port of the United Kingdom laving on hoaw any goods liable to the payment of duties, or prohibited to be importal into the United Kindom, conecaled it false bulkheads, false bows, (louble sides or bottoms, or in any secret or tisgruised place whatsuever, constructed in such ships or boats, shall be turfeited. (Sce. 205.)
Goods unshipped rilhout P .jpent of Duty, and prohibited Goods, liable to forfeiture. It any fronds liable to the payment of duties shall be unshpped from any ship or boat in the United Kingdom (enstoms or other duties not being tirst paid ar scenred), or if any prohibitel guods whatsoever shal Le imported or brouglat into any part of the linted Kingdom, or if any goods whatever which shall have been warchonsed or otherwise secured in the United Vingdom, either for home consumption or exportation, shall be clandestinely or illegally renored from or out of muy warehouse or place of security; or if any goods which are prolibited to be exported shall be put on board any ship or boat, with intent to be laden or shipped for exportation, or slall be lirought to any quav, wharf, or other place in the linited Kingiom, in uder to te put on board any slip or boat for the Furpose of being exported; or if any goods whieh :re prohibited to be exporte shali be found in any package produced to all"' o'ficer of customs as containing goods not so probibited; or if nny goods subject to any duty or restriction in respect of importation, or which are prohibited to be imported into the United Kingdom, shall be found or discovered to have been concealed in any manner on board any ship or Loat within the limits of alay port of the United Kingdom, or shall be found either before or after landing to have been concealed in any manner on board any such ship or boat, within such limits as aforesaid; then and in every of the foregoing cases all such goods shall he forfeited, together with any goods which shall be found packed with or used in concealing them. (Sec. 206.)
Spirits and Tobaceo found removing to be demed run.-All spirits nul tobacco which shall be found removing without a leral permit or cer-
or thate for the same shall be demed to be spirits or tobacen respectively liable to and unshipped withont payment of duty, unless the party in whose possession the same shall be fomed or seized shall prove to the contrary. (Sec: 207.)
Restricted Goods to be deemed run.-All groeds the importation of which is in any way restricted, which are of a deacription admissible to dhty, and which shall be funnil or seized in the Cnited Kingiom under any law relating to the customs or excise, shall, for the purpose of proceeding for the forfeiture of them, or for any penalty incurred in respect of them, be described in any information exhibited on neconnt of such tirfeiture or penalty as and on the trial or hearing thereol be deemed and taken to be goods liable to and unshipped without payment of duties, unless the contrary be proved. (Sec. 208.)

Vesscls formel within eertain Distanecs of the Coast of the linited Kiughlom or Chanuel Islands with certain Goods on board forfeitccl, with the Goods.-1t any ship or boat belonging wholly or in part to hor Mnjesty's suljects, or having half the persons oa beari subjects of her Majesty, shall be tomnd or discovered to have been within 4 leagues of that part of the coast of the United Kingdom which is betweer the North Foreland on the coast of Fient and beachy II ead on the coast of Sussex, or within 8 leagues of any other part of the coast of the United Kingrlom, or if nny foreign ship or boat having one or more subjects of her Majesty on board shall te found or diseovered to have been within 3 leagnes of the const of the United Kingdom, or it nny torcign ship or boat shall bs fomm or discovered to have been within l league of the const of the Uuiteci Kinglom, or if nuy ship or boat shall be foumd or discovered to have been within I leagre of the Channel 1slands, any such ship or boat so found or discovered, laving on board or in noy manner attached thereto, or having had on boarl or in any manner attached thereto, or conveying or having conveyed in anymanner, any spirits, not being in a cask or other vessel capable of containing liquids of the size \(0^{-}\) content of 20 gallons at the least, or any tea exceeding 6 lb . weight in the whole, or any tobacco or snuff not being in a cask or package containing 200 lb . weight of tobacco or snull at the least, or being scparated or divided in any manner within any cask or package, or any tobacco stalks, tobacco stalk fluar, snuff work, or any eordare or other articles adapted and prepared for slinging or simking small casks, or any casks or other vessels whatsoever of less size or content than 20 gallons, of the description used for the smuggling of spirits, then and in every such case the said spirits, tea, tobacco, suuti; tolacco stalks, tobacco stalk flour, and sutff work, tugether with the casks or packages containin: the same, and the cordage or other articles, casks, sind other vessels of the description aforesaid, and also the ship or boat, shall be forfeited. (Scc. 209.\()\)

Jessels or Boats arriving within any Port of the United Kingdom or of the Chamnel Islands huving prohiliteil Goods on borrd or attached thercto forfcited.-If any ship or boat shall be found or discovered to have been within any port, bay, harhour, river, or creek of the United Kingdom or the Channel Islands, having on board or in any manner attached thereto, or having had on board or in ayy manner attached thereto, or conveying or laving eonveyed in any manner, any spirits, not being in a cask or other vessel capable of containing liquids of the size or content of 20 gallons at the lenst, or any tohacco or shuff, not being in a cask or package contalning 200 lb .
weight of such tobacco or snuff at the lenst. or being separated or divided in any manner within any ensk or package, or any tobacco stalks, tobaceo stnlk flour, or snufe work, every such ship or toat, and such spirits, tobacco, snuff, tobacco stalks, tobacco stalk flour, and snuff work shall be forfeited; but if it shall be made to appenr to the satisfaction of the Commissioners of Customs that such spirits, tobaceo, suuff; tobacco stalks, tobacco stalk flour, or smulf work were on board without the knowledge or privity of the owner or mastar of such ship or boat, nnll without any wilful neglect or want of rensonable care on their paris, then and in such case tho faid Commissioners shall deliver up the said ship or boat to the owner or master of the same. (Sec. 210.)

Forfeiture not to ertend to Ships and Coots in certain Cases.-Nothing herein contained shall extend to render nny ship of 120 tons burden or upwards liable to forfeituro on aceount of nny tobacco coming direct from the East Indics or the Turkish dominions, including Ligypt, if in packages each costaining not less than 100 lb . nett weight of such tobaceo; nor on account of any snuff or negrohead tobneco the produce of and imported direct from tho United States of America, if in packages each containing not less than 150 lb. nett weight of such snuff or tobacco; nor on account of any tobacco imported from Malta in packages each containing not less than 80 lb nett weight of such tobneco; nor on account of any tobacco the produce of Porto Rico, Mexico, South America, St. Domingo, Cubn, the Britisli nossessions in America and the West Const of Afrien, if in packages each containing not less than 80 lb . nett weight of such tubaceo, and imported direct from those places or from the United States of America; nor on account of any cigars, if in packages each containing not less than 100 lb . nett weight of such cigars ; nor on account of any cigarillos or cigarettos, if in packages each containing not less than 75 lb . nett weight of such eigarillos or cigarettos; nur to render any ship of 150 tons burden or upwards liable to forfeiture on account of any tea, or of any spirits in glass bottles or stone bottles not exceeding the size of 3 pints each, such tobacco, snuff, cigars, cigarillos or cigarettos, tea, and spirits being really part of the cargo of such ship; nor to render any ship liable to forfeiture on account of any spirits, tea, or tobacco really intended for the consumption of the seamen or passengers on board during their voyage, and not being more in quantity than is necessary for that purpose; nor to render any ship liable to forfeiture if really bound from one foreign port to another foreign port, and pursuing such voyage, wind and weather permitting. (Sec. 211.)
Ships in Port with a Cargo and afterwards found in Ballast, and Carg? unaecunted for, forfeited.If any ship or boat whatevershall be foumd within the limits of any port of the United Kingriom with a cargo on board, nnd such ship or boat shall afterwards be found light or in ballast, and the master is unable to give a due account of the port or place withir the United Kingdom where such ship or bont shall have legally diseliarged her cargo, such ship or boat shall be forfeited. (Sec. 212.)

Certain Ships from which Goods are thrown overboard to prevent Seizure to be forfeited.-Every ship or boat belonging wholly or in part to her Majesty's sulyjects, or having on board one or moro of her Majesty's subjects, which shall be found or discovered to have been within 4 leagues of that part of the coast of the United Kingiom which is between the North Foreland on the coast of Kent and Beecliy Head on the coust of Sussex, or within 8 lengues of nny otine: part of the const of the

United lingdom from which any part of the ladimg of such ship or boat shall have been thrown overboard, or on bonrd which any of the goods shall be staved or destroyed to prevent scizure, shall be forfeited. (Sec. 213.)

Ships throwing overboard any Goods durmy Chase, forfeited, and Persons cseaping olcemed Sub jects.-When any ship or boat belonging wholly or in part to her Majesty's subjects, or having half' the persous on bourd subjects of her Majesty shall be foum within 100 leagues of the const of the United Kingrlom, and shall not bring to upol signal made by nuy vessel or boat in hor Majesty's service or in the service of the revenue, haistim; the proper pendant and ensipn in order to brime such ship or boat to, and thereupon chase shall be given, if any person or persons on board sueh ship or boat so chased shatl during the chase, or before such shin or boat shall bing to, throw overborrd any part of her lading, or shall stave or destroy any part of such lading, to prevent seizure therenf, then and in any such ense such ship or boat shall be forfeited; and ull persons escaping from any. such ship or boat, or from nuy foreign ship or boni. during any chase made thereof by any vessel or boat in her Majesty's service or in the service of the revenue, shall be deemed subjects of her Majesty, unless the contrary be proved. (Se. 21.i.)

Ships not bringing to may be fired into.-ll any" ship or bont liable to seizure or examination undif this or any Aet for the prevention of emuggline shall not bring to when required so to do, on being clased by any vessel or boat in her Majesty's navy having the proper pendant and ensign of hir Majesty's ships hoisted, or by any vessel or binat duly employed for the prevention of smugglints. loaving a proper pendant and ensign hoisted, it shall be lawful for the captain, master, or otber person having the charge or command of such vessel or boat in her Majesty's navy, or employed as aforesaid (first causing a gun to be fired as a signal), to tire at or into such ship or boat, and such captnin, master, or other person aciing in his aid or by his direction, shall be and is herebr indemnified and disclarged from any indictment, penalty, action, or other proceeding for so doing, (Scc. '2lō.)

Ships may be searched within the Limits of the Ports,-Any officer or oflicers of the army, navy: or marine duly employed for the prevention 4 smuggling, and on full pay, or any officer or officers of customs, producing his or thoir warrant or deputation (if required), may go on board any ship which shall be within the limits of any port of the United Kingedom, and rommage and search the cabin and all other parts of such ship for prohibited or uncustomed goods, and remain on board such ship so long as she shall continue within the limits of such port. (Sec. 216.)

Officers of Customs may, on probable Cause, stop Carts \&c., and search for Goods.-Any officer of customs or excise, or other person acting in his or their aid, or duly employed for the prevention of smuggling, may, upon reasonable suspicion, stop and examine any cart, waggon, or other menss of conveyance, for the purpose of ascertaining whether any smuggled goods are eontained thercin ; and if no such goods shall be found. the officer or other person so stopping and examining such cart, waggon, or other conveyauce, havin. had probable cause to suspect that such cart, waggon, or other conveyrance had smaggled goods contained thercin, shall not, on account of such stoppage and seurch, be liable to any prosecution or action at law on account thercof; and all persons driving or conducting such cart, wargon,
m which any part of the boat shall have been throwu rd which any of the goorls estroyed to prevent scizure ;ec. 213.\()\)
erboard any Goods durm persons cseaping elecmed Subip or boat belonging wholly esty's subjects, or having haif subjects of her Mnjesty shall leagues of the const of the ad shall not hring to upor: -essel or boat in her Majesty's vice of the revonue, huisting ind ensign in order to brints and therenpon chase shall be or persons on board such ship It during the chase, or before all buing to, throw overboard nef or shall stave or destroy ng, to prevent seizure therefof, h case such ship or boat shal! - persons escaping from any from any forcign ship or boat. ade thereof by any vessel or 's service or in the service of be deemed subjects of her contrary be proved. (see
to may be fired into.-1f any scizure or examination uader the prevention of smuggling hen required so to do, on being l or boat in her Majesty's nary pendant and ensign of hit sted, or by any vessel or but: the prevention of smuggling endant and ensign hoisted, it the captain, master, or othe: charge or command of such r Majesty's navy, or cmployel ausing a gun to be fired as a \(r\) into such ship or boat, and ter, or other person acing in rection, shall he and is hereby clarged from any indictment, other proceeding for so doing.
rehed within the Limits of the - or officers of the army, nary. ployed for the preveation : f full pay, or any offieet ot producing his or thoir warif required), may go on board all be within the limits of any Kingdom, and rummage and d all other parts of such ship meustomed goods, and remain so loug as she shall continue such port. (Scc. 2r6.) ns may, on probable Cause, stop rel for Goods.-Any officer oi or other person acting in his of mployed for the prevention of pon reasonable suspicion, s 00 p cart, waggon, or other menas the purpose of ascertaining uggled goods are contained such goods shall be found, the on so stopping and examiniag or other conveyale, havin e to suspect that such cart, onveyance had smuggled goods shall not, on account of such \(h\), be liable to any prosecution on account thereof; and all conducting such eart, waggon,
or other conveyance, refusing to stop or allow any such examination when required in the Gueen's name, shall forfeit the sum of 1001 . (Sec, 917.)

Officers authorised by Writ of Assistance may seurch Houses for uncustomed or prohibited Goods, - Any officer of customs, or person acting under the dircetion of the Commissioners of Customs, laving a writ of assistance issued from the Court of Exchequer, mny, in the daytime, enter into and search any house, shop, cellar, warchouse, rom, or other place, und in case of resistance lireak open dores, ehests, trunks, and other pnekarfes, and seize and bring away any uncustomed ur probibited goods, and put and secure the same in the Queen's warehouse, and may take with him any constable, headborough, police, or other public ollicer, duly sworn as such, who may act as well without the limits of the parish or other place for which he shall be so sworn as withiu such limits ; and all writs of assistance so issued shanl continue in force during the reign for which they were \&rauted, and for six months afterwards. (Sec. 218.)
Ships and Boats used in Remnval of ruu Gends to be forfeitecl.-All ships, boats, carriages, or other means of conveyance, together with all hotes and other animals made use of in the emoval, carriage, or conveyance of any hoods liable to forfeiture under this or any other Act relating to the customs, shall be forfeited. (Sec. 219.\()\)

Ships, Boats, Goods, and Persons may be seized ar detuined, and Goods delivered to the proper Officer.-Alt shins and boats, and all goods whatsocver, liable to forfeiture, and all persons liable to be detained for any offence under this of any other Act relating to the customs, slatl and may be seized or detained in any place, either upon land or water, by any ollicer or dilicers of her Majesty's army, nayy, or milrines, daly employed for the prevention of smuggling, and on full pay, or by may ollicer or oflicers of cistoms or excise, or by any person having authority from the Commissioners of Customs or Iuland Revenue to seize, or duly employed for the prevention of smuggling; and alt ships, bouts, and geods so seized shall, as soon as cunveniently may be, be delivered into the care of the proper officer appointed to receive the same; and the forfeiture of any ship or boat shall be deemed to inelude hor tackle, apparel, and fumiture, and the forfeiture of any goods shan be deemed to include the package in whiels the same are found, and all the contents thereof. (Sec. 20.\()\)

Police Officers seizing Goods to carry them to the Customs Wurehouse.-If any goods liable to forfeiture under this or any other Act relating to the customs shall be stopped or taknn by any police fiect or other person acting by virtue of any Act of Parliament, or otherwise duly nuthorised, such gools shall be carried to the customs warchouse next to the place where the goods were stopped or haten, and there delivered to the proper ofticer appoiated to receive tha same, within 48 hours after the said goods were stopped and taken. (Sec. 221.)
Goods stopped by Police Officers may be retained until Trial of Persons charged with stenling them.If any such goods shall be stopped or taken by any police ofticer ous suspicion that the same had been feloniously stolen, the said officer may carry the same to the police office to which the offender is taken, there to remain until and in order to be produced at the trial of the offender, and in such case the oflicer is required to give notice in writing
he Commissioners of Customs of his having so detained the said goods, with the partieulars of the snme; and immedintely nfter the trial of such offeader all such goods shall be conveyed to and deposited in the customs warehouse as aforesaid, to be proceded against aecording to law; and in case any police ollicer making detention of any such groods shall neglect to comvey the same to such warchouse, or to give the notice of having stopped the same as before preseabed, such olhicer shall forfeit the sum of 201 . (Nec. 2:2.)

Notice to be given by seizing Officer to Owner of Ships or Goods seized, and Srizures to be chaimed within One Month.-Whenever any ship, boat, or goods shall bo seized as forfeited under this or any Aet relatiog to the customs, the seizing otheer shall forthwith give notice in writing of such seizure, and of the frounds thereof, to the master or owner of such ship, boat, or goods, if known, either by delivering the same to him personally, or by letter addressed to him at his place of abode, if known, and transmitted by post; and all ships, boats, or groods so seized under any law relatiug to the customs shall be deemed and taken to be condemmed, and may be srold, in the manner directed by law in respect to ships, boats, and froods seized and condemned for breach of nuy law relating to the enstoms, muless the person from whom such ships, boats, and goods shall have been seized, or the owner of them, or some person authorised by him, shall, within one caleudar month from the day of seizing the same, give notice in writing, if in London, to the person seizing the same, or to the secretary or solicitor for the customs, and, if elsewhere, to the person scizing the same, or to the collector, comptroller, or other chief officer of the customs at the nearest port, that he claims the slip, boat, or goods, or intends to claim them. (Sce. 223.)
Commissioners of Treusury or of Customs may restore Seizures.-The Commissioners of the Treasury or of the Customs may. by any order made by them for that parpose, clirect any ship. boat, goods, or commodities whatever seizel under this or any Act relating to the customs to be delivered to the proprictor thercof, whether condemnation shall havo taken place or not, upon such terms and conditions as the said commissioners respectively may see fit. (Scc. 224.)

Ships and Gonds seized may be disposed of as Commissioners of Customs direct.-All ships and boats and all groods whatsoever which shall have been seized and condemned for breach of any law relating to the customs shall be disposed of, as soon as conreniently may be after the condensuation thereof, in such manner as the Commissioners of Customs may direct; and any nets, dredges, instruments, or implements of tishing liable to spizure or forfeiture and seized under the Aet \(6 \& 7\) Vict, c. 79, and the convention and articles therein referred to, shall and may be sold or otherwise disposed of, as the Commissioners of Customs may direct, ualess claimed within one month after seizure thereof, or within one month after the passing of this Act as to such as may be then under scizure, such elaim being made io the same manner \(n\) is prescribed by the 223 rd sec. of this Act with respect to ships, buats, or goods seized under this Act. (Sec. 225.)

As to Offignces Committed by and Phinaties attaching to Pehsong.

Persons may be searched if Officers have Reason to suspect smuggled Goods are concealed upon them. -Any officer of customs, or of the army, navy, or marines, duly employed in the prevention of
smaggling and om full pay, may search any person on board any ship or lomat within the limits of any port in the l'uited Kingetom or the Chamel lalands, or my persom whon haid have landed trom any ship or boat, provided such oflicer shall have foos rasom to supiose that surh merson has ans uncostomed or prohblited goonds arcreted atoont his person ; and if any persom thall othetruct any sum wherer in guing, iemaininge or ramang from on hoard, or its seatchabe surh ship or boat or person. every such prason shall furfeit the tam on then: : and if any passenger or other \(f\) erion on lomard any such ship or boat, or whomay have laraled trons amy guch ship or boat, shall, apon being questioned by any such oflicer whether he has any foreign froods ipon his persotn or in his possession, deny the same, and any such goods shall after such denial be discovered to be or to have been mon his person or in his possession. such froods shall be forfited, and such person shalf forfeit treble the value of such groorts. (Sice. getti.)
Person before Scarel may reguire to be taken liefore a Jastice or Officers of Customs.-Before any person shall be searched by any such ollieer as aforesain, such person may require such otlicer to take him or her hefore any justice, or before the collector, e:mptroller, or other neting primeipal ollicer of the customs, who shall, if he see no reasonable cause for seareh, disetharge such person, but if oh herwise, direct such person to be sarehed, and if a fomale, she shall mot be searehed by my other than a female. (Sce, 2:2 7. .)
Penally on Officers for Misconduct,-Any offieer required to take any such person before such justice, collector, comptroller, or other superior ofticer of customs shall do so with all reasonable despateh; bat if such ollicer shall require any person to be searched, not having rasomable aromid to suppose that he has uncustomed or prohibited goods about his person, such ollicer shall forfeit and pay uny sum not exceeding Ith. (sec. 2ids.)
Persions concerned in importing prohibited or ostricted (ioods \&-c. In forfcit treble the Value, or 100 -- Vevery person who shall be eoncerned in importing or bringing into the United Kingolom any promibited goods, or any roods the importation of which is restricted, contrary to such prohibition or restriction, and whether the same be umshipped or not; and every person who shall masip or assist or be otherwise concerned in the unshipping of any goods which are prohibited or of any grods which are restrieted and imported contraty to sad restriction, or of any goods liable to duty, the duties for which have not been paid or sectured; or who shall linowingly harbour, keep, or conceal, or shall knowingly permit or sutler or catuse or procure to be harboured, kept, or concealed, any such goods, or any goods which shall have heen illegally removed withont payment of dhat from any warchouse or place of security in which they may have been deposited; or to whose hands and possession any such goods shall knowingly come; or who shall assist or be concerned in the illegal removal of any goods from any warehouse or place of security in which they shall have been deposited as aforesaid; or whe shall be in any way knowingly concerned in convering, removing, depositimr, concealing, or in any manner dealing winh any goods liable to duties of enstoms, with intent to defraud lier Majesty of sueh duties or any part thercof; or who shall be in any way knowingly conecrned in any framdulent erasion or attempt at evasion of such daties or any part thereof; slatl in each ami every of the foregoing cases forfeit cither treble the value of the goods or the penilty of 1002., at the election of the conmissioners of enstoms. (Sce. 229.)

If Goods be remored I'riur to Cixemiatain,
 - Verery preon who shall remove any goond its. purtad into the I'nited Kinglom trom mur shap, ghay, wharf, or other plare previons to tho examimation theref ley the prober abien we anstoms, malces unter the care or muthority if such ollicer, or whor hall romove or withhtraw iron any quas, whari, or other phace may goonk ati. tered to he warehonsed atter the lamiliner therente so that no sutlicient aceomit is tuken therof han the proper ollicere or so that the same are not dufiv warehonsed, mal every person who shatl assit it be atherwise comecrued in such rethosal or witho drawal, or shalt knowingly harthour, herep ut conceal, or shall knowinfly permit or sullit, it canse or promure to be harboired, kept, or comealed. any such goods, or to whose possession any suth goods shatl knowiagly come, every such jerman whall terterit rither creble the value thereof or the pemalty of 100 ., at the election of the commiswion, of enstoms. (Sec. 230.)
l'ersons anshipping or concerned in the rarrying meny or comeraling spipits or Tibaceo to firght 1000. "and may be detaincd.-Every persoli who shall maship or be aiding or conecrned in the unshipping of any spirits, tobueco, snulf; tohneco stalks, tobatecostalk flour, or sumfi-work, or of any ten, such tea leing of the value of lol. or upuark, liable to forleciture under this or any uther het relating to the customs or excise or who shan carry, conver, or conceal, or be aiding, assintige, or concerned in the carrying, conveying, or can. cealing of any such spirits, tobacen, snunf, tobane stalks, tobacco stalk flour, or shuti-work, or of any such tea as aforesaicl, shall forteit for path swith offence treble the value of such goods, or the sum of lowl, at the clection of the commussinners of enstoms; and every zuch person may be detainei, to be dealt with as hercimatior directel. (3es. 231.)

P'ersons found or disenvered to have been on board I'essels liuble to Forfeiture subject to be committed to amy House of Correction,-Every subjent of her Majesty who shall be found or discovered to have been on board any ship or boat liable to lorleiture under this or any Act rehaing to tho enstoms for being found or diseovered to have heen within any of thr Nistances in this het mentioned froni the United Kinglam or the Chamed Isl:ands, having on hoard or in any manner attached thereto, or having hat on buand or in any mamer attached thereto, or convecius or having conveyed in any mamer, shel, goods of things as subject such ship or boat to forfeitur, or who thall be found or discovered to have leyn within any such distanees as aforesaid on boarl any ship or boat from which any part of the ciryn or lading shall have be en thrown overbend, if staved or destroyed, to prevent sei\%ure, and every person, not being a sulject of her Majesty, who shall be found or cliscovered to have been on boand any ship or boat liable to forteiture for any of ti.e causes last aforesain within one league of the const of the United Kingrlom or of the Channel Ishands, shall, upon being duly convict ed or any of the said olfences hefore any justice, be adjudged by such justice, for the first of such otlences, to be imprisoned in any house of correction, and there kept to hard labour, for any term not less that \(i\) nor more than 9 months, and for the second of wueh oflences for any term not less then 9 nor more than 12 months, and for the third or alis subsequent offence for 12 months: and every such person may be detained, and taken before any justice, to be dealt with as horemafter directel. (Fiec. 232.)
red I'rior to. A.x+mination, ty emarerned in the Itcmoral. shall remowe nuy goond imal kimghom from any shin, plare previons the thas hy the proper wher of all remove or wit hdraw from wher piate any gouls anaed atorer the lambinis theromp? necomint is takin therof be so that the sume are nut dely IV person who shall awsiot is ied in such remwal or with. nowingly harbour, keep, ur owingly permit or sulfer, "e harboured, kept, or eomedele o whose possession thy suth fly come, avery such person reble the value theremf or the eelection of the commiswinner, 30.)
of or concerned in the carryin? Spirits or Tubacen to furfert ditained,-Licery prerson who aitling or conecrnct in the pirits, tobncen, smull, twhace llour, or shulf-work, or of any the value of lol, or upwank under this or any other Aet stoms or excise, or who shatl necal, or be niding. nswistan", carrying, conveying, or cent spirits, tobaceo, snutif, tolaces : flour, or smill-wark, of of any cirl, shall forteit for each swh alue of such goods, or the sum ction of the commassioners ut such persom may be detainei, as hercinatior direeted. (sen
or discovered to hare been on to Forfeiture sulject to be come if Correction,-Every sulject o shall be found or discovered pard any ship or beat lianie tu is or any Act relating to the found or discovered to have of the distances in this dit the United Kinglam ot the hnving on board or in any hereto, or having had on boad attached thereto, or coaveyim: di in any mamer, such gmalion wheh ship or boat to forfertur, and or diseovered to have leent istances as aforesaid on baan om which any part of the cars" ce b en thrown overtoad. it d, to prevent. seizure, and eser a sulject of her Majesly, wh iscovered to have beca oil band iable to forteiture for any of tiee aid within one league of the ad Kingdom or of the Chane a being cluly convicted on any ,efore any justice, be adjudged the first of such offences, to be house of correction, and ther ur, for any term not less than months, and for the second of any term not less then 9 not nthes, and for the third or ans for 12 months: and every such tetained, and taken before any It with as hereinalter directed.

Peroms on bourt lissets within Ports of the
 to l'tunty it toul. and J'"ntion.-livery preson who shall be timme or divenverel to have bern on toard anve shig or bat liable to fortidure malar this or any uther Aet rehatiner to the enstoms for lujur fontin or discovered to have been within ans port. lise, hahour, river, or creck of the

 to, ur having hat on board or in any mandrer atiarhed thereto, or conseyins or havintrenwed in any manner, such fookd or thines as adient sath ship or loat to forfeitare, or who hall be finand ir discovered to have been on
 Ward any ship or vessel in her Majesty's employmant or service, or on board of any forrign post whe lacket, beins a mational vessel, employed in arrisis the maik between any foreign country and the Enited Kingrom, such hast-mentiond wips, ves.stls, or packets boing fommer or thesmoned to have buen within any port, bay, hatlour, river, or creek of the Luited Kingrdain ot the Chamel Ishande, having on buard or in ans maner attached thereto, or heving hat ont luard or in any mannor attached thereto, or vonveling or having eonveyed in my manner, any pirits, not being ia a cask or oiher vessel apiable of contaniner ligutids of the size or conttont of ell rallons at the least, or any tobacen or sumfl, not being in a cask or package containing :hal lb. of such tohaceo or suatf at least, or being squatated or divided in any manuer within any cank or package, shall forficit the sum of \(100 \%\); and every sudt person shall atid may the detained, and taken before any justice, to be dealt with as lercinafter direeted. (Sec. \#33.)
Persons in har Majestijs Service detetined, to be scured on bard until Warrant procured.- Where any person or persons, being part of the erew of any of her Majesty's ships or vessels, or of any ship or resel in her Majesty's employment or sorvier, and Jiable to detention, shall have been detamed maler any law relating to the constoms, such pisen or persons, upon notice thereot by the dataning ollieer to the commanding otileer of the him or versel, whall be phaced in security by such commanding oflicer on hoard such ship or vessel until such letaining oflieer shall have obtained a warrant from a justiee for bringing such person or arems before him or any other justice or justices, to be dealt with according to law, which warrant such justice is required to grant upon complaint male to him be such officer of eustoms stating the offence for which such person or persons is or are liable to detention. (Ser, 23I.)
Iny Person escaping may afterwards be detained. -Il any person liable to be detained under this uf ayy other Act relating to the customs shall not dedetained at the time of committing the ollence for which he is so liable, or shall alter detention make his escaje, such person shall and may at any time afterwards be detained and taken before any justice. to he dealt with as it detained at the time of committing such otlence. (Sce. 2ibs.)
Magistrates to procered to Comriction of Smug!, lers in certain Cases without an Order of Customs. - Whenever any person shall have been detained, and taken before any justice, for being found or diseoverel to have been on board any ship or bont within any port, hay, harbohr, river, or creck of the Enited Kingdom or the Channel islands, such shap or boat having on board or having had on buard spirits or tobacco in such easks or packages as would, under this or any other det relating to antoms, suhject the same to forfeiture, or for un-
shipping or for at:bing or being conearned in the unshipping of aly spinits or (obace lable to far. friture under this or any other Are relating to the
 comsenling, or for githan or buins conermed in the carring, combering, or cotrealing of any suld gpirits ur thanco, and it shatl apear tor sull. just ine that the quatity of apirits \(i: 1\) resperet of
 (xamen 2 rallons, or that the quantity of wharer in respeet of which such protan has leen mo detained dres not exered 10 lb . wright, :16h jution may proceel summarily man the rase without any information, and althourh bus direction shath have hece given by the Commixesuners of Customs, and eonsiat such person of such ollimes atul alindge that such person shall, in lien of nuy. wher bualtr, forteit anv sum not less than the simet value nor more than treble the value of such frods, incheling the duties of importation due theremb, and in definht of payment of such sum of money commit silfle persen to any of her
 month, ( (s.c. :304.)

Where Pressins are tatien before a Sustice under (myl/ Act raluting to the ('ustoms, such Justice may order them to be rettined a ratomable: Time, or almit to Buih,-When any prorson shall have been thetained for any oflene arganst this or any other Act relating to the clustoms, and taken before any justien, such justice mas, if he see reasomahle cantis, order such person to be detained in gand, or in the custorly of the poliee or eonstabulary fores, is reasomble time, to obsain the orider of the 1 (mmmissioners of Clastoms or Hamd licernue, and to prepare the necesary informations, convitions, and warrants of comnitment, and at the evpirattion of such time to be brought hefore him, or myy other justice or justices, wion may then finally liear and determine the matter: but ans person so detained may be liberated, on giving, by recorsnisance, security to the satisfaction of surfi justice in the sum of 100), or in the amomen of the penalty sought to be recovered, to appear at such time and place as shall be appointed by such just ice for hearing the case. (Sec. 237.)
l'enalty on persons affering Guods fir Sale unlirr Pretcnce of being run or prohibited.-Itany person shall ofler for sale any goods under pretence that the same are prohibited, or have been unshipped and ron on shore withont pmyment of duties, all such gooks (althongh not liable to any duties or prohibited) shall be forfeited, and every person so offeringr the same for sale shall forteit treble the value of such goods. (Sec. 238.)

No subjects sercept Officers to take up Spirits in small Caska sunk or fioating npon the Sen.-No subject of her Majesty, other than officers of the navy, customs, or excisc, shall intermedhle with or tako up any spirits. heing in casks of less content than 20 gallons, which may be fomad tloatimg upon or sunk in the sen withiin 100 leagnes of the United Kingilom, and if any spirits shall be so intermedilled with or taken up, the same shall be forfeited, together with any ship or boat in which they are foumd. (See, 2;i9.)

Commissioners of Treasary or Castoms may restore Seizures \&e.-The Commissioners of the 'Irensury or Customs may mitigate or remit any penalty or tine, or any jart of any penalty or fine, incurred under this or any det relating to the cestoms, or release from continement any person committed under this or any Act relating to the customs, on such terms and conditions as to thera shall appear proper. (Sec. 240.)

Persons signalling Smuggling Vessels may le dotained, and forfeit j00\%.. or he kept to Mard I.abour
for One Ycar--No person shall, aitcr sunset and before sumrise between September 21 and April 1 or after tho hour of 8 in the evening and before the hour of 6 in the morning at any other time of the year, make, aid, or assist in making any signal in or on board or from any ship or boat, or on or from any part of the coast or shore of the lnited Kingolon, or within 6 miles of any part of sueli coast or shore, for the purpose of giving notice to any person on board any bmuggling ship or boat, whether any persen so on board of such ship or bont be or not within distanco to notice any such signal ; and if any person, contrary to this Aet, shall make or cause to be made, or aid or nssist in making, any such sigual, such persom so offending shall be guilty of a mistemeanor; mud imy person may stop, arrest, and detain the person so ollending, and consey hín before any justice, who, if he see cause, shaill commit the oflender to the mext comnty gaol, there to remain until delivered by due course of law ; and it shall not be necessary to prove on any indictment or information in such case that any ship or bont was aetunlly on the coast ; mul the offender heing duly convieted shall, by order of the court before whem le shall be convicted, either furfeit the penalty of 1001, or, at the discretion of such court be committed to the common gaol or house of correction, there to be kept to hard labour for any term not exceeding one year, (Sec, 241.)

I'roof of a Signal not being intended on Defen-dant.-If any person be charged with or indicted for laving made or caused to be mate, or for aiding or assisting in making, any such signal as aforesain, the burden of proof that sach signal so charged as having been made with intent and for the purpose of giving such notice as aforesaid was not made with such intent and for such purposo shall be upon the defendant against whom stech charge is made or such indictment is found. (Sic. 212.)

Any Person may prevent Signals, and enter Lands for that Purpose.- Any person whatsoever may prevent any signal being made as aforesnid, and may go upon any lands for that purpose, withont being liable to any indictment, suit, or action for the same. (Sec. 243.)

Persons assembling to the Number of Three or more to run Spirits, Tubacco, or obstructing Officers, to le sent to House of Correction.-All persons nssembling to the number of 3 or more, for the purpose of unshipping, carrying, conveying, or concealing any spirits or tubacco, or any tea or silk (such tea or silk being of the value of 10l, or more), liable to forfeiture under this or any other Act relating to the customs or excise, and every person who shall by any means procure or hire, or shall depute or anthorise any other person to procure or hire, any person or persons to assemble for the purpose of being concerned in the landing or unshipping, or carrying, conveying, or concealing any goods which are prohibited to be imported, or the duties for which have not been paid or secured, and every person who shall obstruet any ollicer or oflicers of the army, nary, or marines, being duly employed for the prevention of smuggling, or any olficer or officers of customs or excise, or any person acting in his or their aid or assistance, or duly employed for the prevention of smuggling, in the execution of his or their duty, or in the due seizing of any goods liable to forfeiture by this Aet or any \(\Lambda\) et relating to the customs, or who shall rescue, attempt or endeavour to rescue, or cause to be rescued, any goods which have been duly seized, or who shall before or at or after any seizure strue, break, or etherwise destroy, or at \((\mathrm{m}\) pt or endeavour to break, stave, or other-
wise destrov, any poods, to prevent the seizur thereof or the sceuring of the same, shall, upon being duly convicted of any of the said offrine before any justice of the peace, be adjudyed by such justice for the first offence to be imprisend in any honse of correction and there kept to har labour for any term not less than ti nor more than 9 monthes, mid for the second offence for any term not less than 9 nor more than 12 months, in! for the third or any subser uent offence for 12 montla (See. 244.)

Three or more armed Persons assembled to lund or rescue smugyled goods yuilty of F'clony.-If any persons, to the number of 3 or more, arined with firearms or other offensive weapons, shall, with. ils the United Kingdom, or within the limits of any port, harbour, or creck thereof, be assembled in order to be niding and assisting in the illegal landing, rmming, or carrying away of any prohibited goorls, or any goods liable to any duties which have not been paid or secured, or in reseuing or takint away any such goods as aforesaid after seizure from the otlicer of the customs, or other oflicer authorined to seize the sane, or from ans: person or persons employed hy or assisting then, or from the place where the same shall have beta lolged by them, or in rescuing any person who shall have beed apprehended for any ofline mate felony by this or any Act relating to the caslom, or in the preventing the appreliension of any person who shall have been guilty of such otfence, of in ease any persons to the number of 3 or mor so armed as aforesaid shall, within the laite: Kingdom, or within the limits of any port, hatbour, or creek thercof, be so aiding or assisting, every person so offending, and every person aidio. abetting, or assisting therein, shall, being theref convicted, be adjudged guilty of felony, and shall be liable, at the discretion of the court before whid he shall be comvieted, to be transported bevad the seas for the term of his natural hife, or for any term not less than 15 years, or to be impriswed for any term not excecding 3 years. (Sec. 243.)

I'ersons shooting at Boats belonging to Nary or Revenue Service, guilty of Felomy.-If any peria shall maliciously shoot at any vessel or boat belonging to her Majesty'snavy, or ia the service d the revenue, within 100 leagues of any part of the coast of the United Kingdon, or shail malicioustry shoot at, main, or wound myy officer of the armi. navy, or marines, being duly employed for the prevention of smuggling, mad on full pay, or any ollicer of customs or excise, or any person actin's in his aid or assistance, or duly employed for the prevention of smuggling, in the execation of bis oflice or duty, every person so offending, and ever person aiding, abetting, or assisting therein, shall, upon eonvietion, be adjudged guilty of felons,and shall be liable. nt the fliseretion of the court beine which he shall be convieted, to be transported beyond the seas for the term of his natural life. or for any term not less than 10 years, or to be imprisoned for any term not excceding 3 year, (Sec. 246.)

Any person in company with Four others, huring smuggled Goods, or with one other, armed or disguised, guilty of Felouy.-If any person in company with more than 4 others be found with any goods liable to forfeiture under this or any othet Aet relating to the customs or excise, or in eompnny with 1 other person, withia 5 miles of the sea coast or of any tidal river, and carrying offensive arms or wenpons, or disguised in ang way, every such person shall be adjudged quilty of felony, and shall, on conviction of such oftence, be transported as a felon for the term of 7 yean. (Sec. 247.)
roods, to prevent the seizur" ring of the same, shall, uphes ad of any' of the suids offences of tho peace, bo adjeulged by first olfence to be imprisond rection mul there kejp to hast not less than 6 nor more than he secome offence for any tom more than 12 months, du! for see \(\boldsymbol{1}_{1}\) ueat olfence for \(12{ }^{2}\) month
med Persons assembled to lund med goods guilty of 1 'elony,-lif an! nber of 3 or more, armed with offersive weapons, slall, withgrdom, or within the limits of or creek thereof, he assembled or creek thereof, in assemulley or carrying away of any pito any troots liable to any duties an paid or secured, or in rescuing y such goods as aforesaid afitr illicer of the customs, or wher o seize the same, or from any amployed by or assisting then, where the same shall lave beta or in rescuing any pervon wha prehended for any offence male my Act relating to the custom, ug the apprelicusion of any pres e been guilty of such oflenee, of as to thic number of 3 or mot esaid shall, within the Unite: hin the limits of any port, barereof, be so aiding or assiting, ffeuding, and every person aitiags ting therein, shall, being theref adged guilty of felony, aud shall scretion of the court before which icted, to be transported beyoal erm of bis natural life, or for my n 15 years, or to be imprisuned excecding 3 years. (Sec. 245.) g at Boats belomging to Nary or guilty of Felony.-If any prso shoot at any vessel or boat beajesty's navy, or in the serrice of iin 100 leagues of any part of the ed Kingdom, or shall malicious! or wound any oflicer of the amm; s, being duly emaployed for the Hegsling, and on full pay, or an! s or excise, or any person acting stance, or duly empluyed for the luggling, in the exccution of his ery person so offending, and evry betting, or assisting therein, shall. be adjudged guilty of felonv, and the diseretion of the court befre e eonvicted, to be transpoted be for the term of his natural life, not less than 15 years, or to be ny term not excreding 3 yeas.
company with Four others, haring or. with one other, armed or dis-Feluny.-If any person in compr than 4 others be found with ans orfeiture under this or any othet the enstoms or excise, or in other person, witbin 5 toiles of any tidal river, and ed in ny
or weapons, or disguised 1 person shall be adjudged guilty all, on conviction of such oftence, a felon for the term of 7 years.
l'ersons assunalting Officers by toree or Jiolence
may be transported.-If any persou shall, by force may be transported, -If any person shall, by force of the army, navy, or marines, being dily emploved for the prevention of smugrling, and on fill pay, or any oflleer of customs or excise, or ather ferson duly employed for the prevention of suaghtimg, in the due execution of his or their dust, or any person acting in his or their nid, crity prrson so oflending, leing thercof convicted, shall be tramported for 7 yeurs, or sentenced to in imprisoned in any house of correction or comanol hal, and kept to hard labour, for any term nut execoline 3 years, at the discretion of the (wart betore whom such oflender slanll be tried and cunvicted as aforesaid. (Sec. 2.18.)
Chase 219 enacts that the commanding oflicers of hoals for the prevention of smugeling may hat them on shore without being liable to be sued for so doiug.
Chuse 250 authorises oflicers of army, mavy, and marines, to patrol the coasts for the preventwa of manggling without being liable to suit for so doing.

\section*{As to Compensations and Rewurels.}

Officers urounded to be provided for \&e.-1f any oliter or semman employed in the service of the customs or inland revenue shall bo killed, maimed. wounded, or in any way injured in the dueexecution of his otlice, or if any person acting in his aid, or duly employed for the prevention of smuptrling, shall be so killed, maimed, wounded, or in uny way injured while so niding such officer or seaman, or so employed, the Commissioners of (istoms or luland lievenuo respectively may, with the simetion of the Commissioners of the Trasury, make such provision for such officer or person, or for the widows and families of such as shall he killed, as they may see tit. (See, eisl.)
Returds for detaining Smagglers.-The Commiswoners of Customs may award to any oblicer or etker person detaining any person liable to detenticr unker this or any other Act relating to the custums, if convicted, such reward as they may thank fit, not exceeding the sum of \(20 l\). for each person. (Sce. 252.)
Rerards out of Penalties.-The Commissioners of Custoios may order such reward as they see fit out of any pecuniary penalty or composition to any officer or other person by whose means the same is recovered. (Sec. 253.)
liewards to Officers making Seizures.-The Commissinners of Customs may order to be paid in respet of any scizure made mader this or my Aet relating to the customs, to the person or persous making the same, such rewarls as they may see fit, nut exceeding the value of the goods or things so seized, and for this purpose the value of spirits and tubacco seized as uforesnid shall be deemed and taken to be such as the Lords of the Treasury 0: the Cummissioners of Customs may think fit. isce. 254.)
How Value is to be ascortainecl.- In all eases Where any penalty the amount of which is to be deteruined by the value of any goods, is directed to be sued for under any Aet relating to the eustoms or excise, such value shall, as regards proceedings in any court or before justices, be estimated and taken according to the rate and price for which grods of the like kind but of the best quality upon which the duties of importation shall have been paid were sold at or about the time of the oflence, or according to the rate and price for which the likesurt of grods were sold in bond at or about the time of the offence, with the duties due thereon added to such rate or price in bond, except as to
tobaceo stalas, tobaceostalk tlour, and smoff-work, the value of which shall, for tho purposo of any suit or procecting under this or any Act relating to the customs, bo estimated at the sano rate ans that of numanufactured tobarco upon which the duties of impartation slall lave been puid. (See. 255.)

All Rewurds and Scizures payable to Officers of Army, Nuty, or Murines to be regulated by Order in Council.- livery reward or share ef nuy such seizure, or of the value thereof, payable to ans: oflicer or otheers, non-commissioned oflicers, pettyofllcers, seamen, or privates of her Majesty's army, navy, or marines, or ateting muler the orders of the Lard Iligh Admiral or Commissioners of tine Almiralty, shall be divided and distributed in such proportions, and aceording to such rules, rerulations, and orders, as her Majesty shall, by roynl proclamation in that behalf, be jleased to direet ant appoint. (Sec. 20ti.)

Comimissioners maly distribute Officers' Shares of Scizures so as to reward Persons not aetually present.- The Commissioners of Customs or Inland lievenue respectively may, in case of any soizure of ships, bonts, or groods, or of the apprehension of any parties, under this or any other Act relating to the customs, direct the distribution of the seizor's share of such ship, boats, or goods, or of any penulties or rewards that may be reeovered on account of any seizure, so that any other person through whose information or meanis such scizure slanll have been made or penalty recovered or party apprehended, and who may by them be deeused to be so entitled, may purticipate iu such proportions as the stid Commissioners shall respectively deem expedient. (Sec. 257.)

Rewards to I'ersons giving luformation of Goots floating or sunh in the Sea,-It' any person shall discover any spirits in casks of less content than 20 gallons found toating apon or sunk in the sea, and shall give information to any otlicer of the customs, or other person duly authorised to make seizure of such spirits, so that scizure shall be made of the same, the person giving such information shall be entitled to and shall receive such roward as the Commissioners of Customs may direct. (Scc. 258.)

\section*{As to Collusive Seizures.}

Penalty on Officers and Persons making collusice Scizures, or taking Bribes, and on Persoss offering them.-li any oflicer of custums or excise, or of the army, navy, or mariues, duly employed for the prevention of smagrling, and on full pay, or any other person or persons whomsoever duly employed tor the prevention of smuggling, shall make any collusive sejzure, or deliver up, or make any agreement to deliver up or not to seize any vessel or boat, or any goods liable to forfeiture, or shall take any bribe, gratuity, recompense, or reward for the neglect or nonperformance of his duty, or conspire or eomnive with any person to import or bring into the United Kingrlom or the Channel Islands, or any of the British possessions abroad, or be itt any way concerned in the importation or bringiar into the United Kingdom, or the said islands or possessions, of any goots prohibited to be imported or liable to dutics of customs for the purpose of scizing any ship, boat, or goods, and obtaining any reward for such scizure or otherwise, every such oflicer or other person slall forfeit for every sueli offence the sum of 500 l ., and be rendered incapable of serving her Majesty in any office whatever, either civil or military; and every person who shall give or offer, or promise to give or procure to be given, any bribe, recompense, or reward to, or shall make any collusive agrecment witl, any sueh offi-
ecer or person aa aforesaid to in: Juce him in any way to neghect his dity, or to do, conceal, or connive at ans tut whereby me of the provisions of any det of larlianent rchaibig to the customs may he evaled, shall fordeit the sum of esoul. (see. yiso.)
sMI'liNA. A large city and reajort of Axiatic Tinkey, on the western aide of Nia Dlinor, lat
 est imated at from 1:30,000 to 150,000 , of whom \(\frac{1}{2}\) may te Gurks, mind the remainder Grecks, Armenians, Frank, Jews de. Smyrua is situated at the bottom of a deep rulf; the emrance to which lies between Mytilene on the borth, and Cape Carnbourm, in lat. \(38^{\circ}\) d \(11^{\prime} 30^{\prime \prime}\) N., lomg. \(36^{\circ} 21^{\prime}\) E., on ale south. In addition to the linht placed on Bamjak kalessl in 18.18, there were three other lights placed in the gulf in \(186: 3\), viz. a lighthouse on Caן Merminji, \(38^{\circ} 97^{\prime}\) N. lat., \(26^{\circ} 46^{\prime} 20^{\prime \prime}\) E. long., and two light vessels, one off 'lani Kedesse, nud the other enl sanjak Spit. The aceompanying illastration fives \(n\) betier iden of the findf of sinyrna that conld be derived from any deseription. I'he dotted line shows the course inwards. 'The passage between James' Castle (1)) on the sonth and the opposite sand-bank is narrow; but there is from 9 to 10 fathoms water, with blece clay bottom Merchant hips anchor abreast of the eity in from 7 to 8 fathoms: loit the water is so deep that they may come close to the quaves. The inbat, or sen brecze, blows from morning till evening, and is always waited for by ships foing up to the eity. There is excellent anchorage in most parts of the golf, merely avoidiur the shoals on the north side.

Smyrnn is a place of great antiguity. The excellence of' its port, and its almirable situation, have made it to be several times rebuilt, after being destroyed by earthpuakes. On approaching it from the sen, it has the appearance of 111 amphitheatre; the castle is at the back of the lown, which it commands on the top of the hill; but it is in a state of decay, and could oppose no resistance to an invading force. 'The interior of the city docs not correspond to its external appearnuce; the streets being, for the moss, part, narrow, dirty, tud ill-paved. Owing to the want of cleanliness, and of all sorts of precautions, on the part of the 'Iurks, Smyrma is frequently visited by the plague. In \(181 \cdot 1\) from 50,000 to \(60,000^{2}\) of th: inhabitants are said to have been cut ofl by this dreadlul seourge. The trade of this city is mote extensive than that of any other in the 'Turkish empire, and smyrm is the great stemm eentre for the whole Levant. The caravans from l'ersia are chielly composed of Armenians. They arrive and depart at lixed periods, which are nenrly identical with those of the arrival and departure of nost of the foreign ships freguenting the port. But it is now comected by railway with (ihu\%el-llissar, or Aidin, near the Mendere, 62 miles S.E. of Smyrna Jiargains are principally ellected by Jew brokers, many of whom have amassed considerable forthues. The principal artieles of import eonsist of furs, iron, butter \&e. from Odessa and Tuganrog; and ol' cotton-stults and twist, sillk and woollen goods, coffee, surar, cochineal, and slyewoorls, iron, conl, tin and tin plates, ruin, brandy, paper, cheese, glass, wine \&e. from Great Iritain, France, Italy, the United States \&c. The exports consist principally of cotton, which is the most valuable article, madder, dried fruits, valonia, opium, sponges, carpets, silk, wool, box-wood, emery-stone, drugs, yellow-berries, galls, wax, copper, hnire-skius, goats' wool, \&c.

We are indebted to Mr. Rolleston's Report on Smyrna, to Mr. Consul Cumberbatch's Report of June 20, 1868, and to private information, for must part of the following detnils.
- 'Ihe bininesk, mays Mr. Linleaton, 'of expoming and importing goods to and irom Europe is beeoming more mad more monepolised by in liwek merchants. 'They are compelled liy the comblitions of the insurniee companies to cmploy European bottoms and sailors to transport theip freight, and they have a line of limglish stemen in their empioyment. It is in grent measure the loeal knowledige and connections which ethbl. them to compete with merehants of other nition, at no great an advantare in this particular brand of business, 'There are many instaneer to len pinted out in Smyruat of lireck merehants wh hase raised themselves hy their own exertions and industry from a vary poor condition to one of opulence, and on the other hand it is sail thas their very wealthiest merchants are in the hatit of furthering their own interests by methed which, though not positively dishonest, are res snch as none but the pettiest tradesman of another race would condencend to emplay.'
But this matural result of the brutal tyrann under which (thanks to the jealousies and selisis. ness of the primeipal Christim I'owers) they hare so long gromed, is now rapilly wearing awar: and at the present time there are many tirith tnerehants who are not more distinguished t? their intelligence and enterprise than by their struirhtionwardness and integrity.
Mr. Rolleston says that hatred of the Turk is so deeply rooted in the heart of every tireck s. to constitute a part of their moral nature; and i: wonld have been extraordinary indeed hal sudh not been the case.
The Turkish population is almost wholly ocer. pied in agricultural labonr, or in the radest suts of manulactureq. The porterage of Smyma gits employment to about 3,000 of the lowest orden Turks.

Sales are effeeted by a merchant's broker, and what is termed \(n\) street or out-tloor broker; the former receiving his instructions from the sellen, and the lutter acting on behalf of the baren When the terms are mutually agreed upon, the real buyer mud seller personally meet; ani a bond or obligatory note stating the terns ant nmount of the transaction is drawn out and signed by the buyer; and when not much ar proved of, one or more signatures are requirel to the bond, who individually and collectively become responsible for the fultilment of it.
\(P\) urchases are similarly made, exeept that the parclaser or agent limself, in the first instance, and his brokers, inspect the goods he is about to treat for: cash down is generally expected; and it is but seldom that \(n\) short credit of 1 or * couriers is obtained : it not unfrequently hapens, also, that \(\frac{1}{4}\) or even \(\frac{1}{2}\) of the purchase ammatis advanced to the seller, when an insulticient quantity of the article wanted by the buyer is ia the place, and which must then be proeured from the interior or place of grawtib. The mener advancel (which is to be returned if the quality' does not suit) is sent by a contidential person in the part of the purchascr, accompanied either ly the seller in person, or by some one representing him.
Barters are generally attended with deliy, impediments, and sacritices to the European igeas who exchanges his constitucnts' goods for natiot produce, and are never completed without his paying a large portion in cash, which is anostr th cometimes even \(\frac{3}{4}\), but never less than \(f\) of the full amount; besides always paring a lipther price lor the produce than if it were bouglt to ready money. On the other hand, so far as the agent's transaction goes in goods, the price of
sava Mr. liolleston, 'of expert. f fords to and from Europe is thd more monopulised by the They are compelles liy the insurmee companies to \(\mathbf{e m p} \mathrm{m}_{\mathrm{a}}\) 4 fund milors to transport theip have a lime of linglisla steamep ent. It is in frent uneasure ther and connections which enab with merchants of other uations ;antare in this particular bramb ere aro many instances to loe nyrua of (ireck merchants wh. elves by their own exertions and very poor contition to one of the other hand it is said that iest, merchunts are in the hailit ceir own interests hy methads ot positively dishonest, are set ut the jettiest tradesman lil condescend to employ.' -al result of the lirual tyranny unks to the jealousies and seliod bat C'hristian I'owers) they hare is now rapidly wearing awar; ent time there are many lirech aro not more distingushed li? a and enterprise than by the ess and integrity.
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eted by a merclant's broker, and a street or out-door broker; the his instructions from the selle, acting on behalf of the burer, 3 are mutually agiced upon, the seller personally meet; and a cory noto stating the tenas and transaction is drawn ont and buyer; and when not much ap-- more signatures are repuirel to individually and collectively bea for the fullimment of it, similarly made, execpt that the ent limself, in the tirst instance, inspect the goods he is about to down is generally expectel; and \(m\) that a slart crectit of 1 or: ned : it not unfrequently hapens, ven \(\frac{1}{2}\) of the purchase annomt is ho seller, when an insulficient article wanted by the buyer is in hich must then be procured fom place of growth. The mone? \(h_{h}\) is to lie returned if the quality a sent by a contidential person on purchascr, accompanied eithert! son, or by some enc representiug
enerally attended with delay, in sacrifices to the European atgeat his constitucnts' goods for naitire are never completed withuut this portion in cassl, which is nostly h \(\frac{3}{4}\), but never less than of the besides always paying a lightar roduce than if it were bouglit to On the other hand, so far as the tion gues in goods, the price of

b. Werlex h.thus
which ho also nubances, it is equal to an melvanuacous rash mate, deducthig a diseount; but still be loses, ay wo liave just stated, on that part of the operation which subjeets him to the nee, rsity if givilif ramly money fur such part of thin 14 fice an rembins nlowe the connter-vaino given in ports, nt a lilgher ritte thon it 1 worth int the on \(h=1\) market. Thins the nifonataga is nill in "prome of this rotmery, mind mgninst be sigut. lumed, barters aro selarin mulortaken malesm whon a probtablo resilt ls notieipnted, when
 sump rontlitons, either from tho want of ale. mand or a glatted market, or when (whbeh is montly the case) the loolder of such gemals las wien from the owners of them to remit them in modice, and this realise their property, if not wan prodtahbe torms, at lenat without the riak ifinir from bard debts; zometimes, nlso, outtanding boude are taken in part payment, lo the estent oncasjomally of \(\frac{1}{3}\); anotlare \(\frac{i}{}\) is takea in findsat an allance of from 5 to 10 or 12 per "ent. abose courrent priees; and tha remmbing \(\$\) in eashagaiust produce, at from 5 to 10 per eent. nowe than it feteles in the bazairs. However, it i. by barter alome lhat any extensive transacion wir takes place, or that it ean bo eithe: readily if siffly cilleeterl.
Sales un C'redit.-'lie terms of crealit vary consaluathy, umt depend entirely upon the quality of the ronils which the agent sells.
Sides for Cush.- I'heso very seldom oceur inded, and then only when money is nbtundant, wo the artide sold saarce nond in grent demand; in fact, mot 1 sule in 100 is made on these terms; ant] in uhent the same ratio is a discount taken ofl' fom a bazan bond at cren an exorbitant rate, fumerer short the period may be that it has to ran; ucesumally a sale is, however, ellected for \(\frac{f}{b}\) colh, and the other \& short credit, for some very curruit goods.

Imports.
The value of the imports in 1867 was less than in 1 xicic by 186,590\%.
Coffice.-This is one of the most current articles recised herf, and is sent from lingland, lirance, Illhun, 'I'rieste, Marseilles, Leghorn, Genon, nud Aacrica; but first, nud priacipally of late years, tow the hitter country- 000 sacks, although mecasonally that anomint is donbled. Franee fillows, but on a less extensive seale; and Austria, Hulland, and the small ports in the south of Europe, do not tege her export more than 4 dif(reat quatities of cofliee in the market; namely, Macha, St. Demingo, llavannah, and Brazil: the fint is sent from Alexamelin, nud by Ameriem resels, and but seldom from Europe; the consumpion is, however, limited, and does not execed Woldeld wes amually. At Constantinople the consumption is much greater. An Asiatic cannot 10 without his coffee; and it is well known that in bmyrua aloue not less than perhaps 400,000 cups of it are taily drunk, which, computed at the cost price of 2 parns ench, amount to 20,000 Fiatres. St. Domingo and IInvannah coffees are pacerred to the lsrazil, although, when the latter fof a fair round quality, there is not more than iffer cent, ditierence in price; the small green Neet India berry certninly commands a reaty sale: but, for the tinest sort, not more than 6 or 8 Jecut, can be obtained above the middling and suad quality. Coffee is anongrst the very few artides which occasionally meet with a partial and eutire cash sale and short credit; and is , murcover, fiom the means and character of the cealers in it, the least linble to risk from insolreacy, it is also the easiest through which an
mbantageons barter ean bo efliected, as a murh largur quantity of coflee will mataken in exchumpo for produce lhan n!most any other item of linfo[sial merchantise.
sugar in the next in consequence. 'This artiche is supplied from tho same sumbers as coller, mul is attemben ill its thispomal with sibitar resilis. White crushed, white Ilavaunah, brown do, white liant luchas rethed in small lonves of i lis. and in large of 8 tb , eath: tho 2 latter are mostly shipped from Amerlea nod lingland. 'I'be brown ath ordinury morts are not so forrent.

Indige nifwys meets a romly sale, nod not unirequently a prothtable one; it is attembed likewise with all the advoutares and facilties attached to cofliee and sugnr, and is furnished liy Einrope and America, but princlpally by linglnad. The qualities received consist of last Indin pmrple and eopper, ditto common, and Guatemnla. I'le tirst of the ib is the kind best adapted for our markets. and is phaced sooner and better than the other : but, as is tho cas with eofliee, the very fine will not pay cost price, nud omght therefore never to be sent. The pieres suited for our havers onglit to be good sized, with abont an equal proport lon of purple and copper in each pisee.

Minnufictures.-White or unprintel cotton frools are most in demmil daring the warm weather, and the coloured or printed statlis during winter, nlthoush a eomsiderablo quantity uif all sorts is regularly and targely sold throughout the wholo year. Eiast Indian mmufactures are supplied by America and lingland exclusively; the latter comntry nlso semels fair imitations of the liast Indian loom, in long eloths, seersurkers de. The native consumers are exceedingly thatidions in their choice of texigns and colours, which omght very frequently to be altered, in orler to med their capricions taste. Mantactured foods are: nlways sold at long eredits, but large barters are often effected through them. \(\mathbf{A}\) person desirous of entering into this item of our commeres is almost eertain ultimately to reap an nolvantage; but he must have patienee, a large capital, nul must not be disheartened at the tirst or second result of his enterprise, shonh it dismppint his hojes of protit. Ile must niso enter into the thing with spirit, and keep his agent nlways supplied with the goods he may recommend; and he is to remember that many montlis minst clapse before he can e xpect a return by bills of exchange, but sooner if he order a harter. The capital employed must also at least be to the nonomit of 20,0001 to do any grod; and furtlier, this sum ought to be disbursed ty him withont any peenniary embarrassment or inconvenicnce. Fur a persun willing to mulertake such a step, he would reguire to bo regularly furnished with pattevns, and ndvices of the maniner in which they ought to be printed and varied; and with competent means, a real desire to follow the branch up tirmly, and full information of what is required, a most extensive and tinally lucrative business would be done.

Cotton Twiat forms no ineonsiderable article in this trade, nul is supplied exelusively from England. Mule twist has, however, superseded, in some degree, the demand which formerly existed for water twist, and is eonsequently more in request. Water twist is nevertheless saleable, nnd both qualities ought to be of rather high numbers. This article is often given in barter, but mostly sold at rather long ereclits, and harilly ever for cish.

Iron, nuthinery, and coal are all largely miported, espectally since the commencemfat of tho railway to Aidin. 'They are whoily supflied by Lingland.

Rum and Brandy. - Leeward Island and Jamaica \(r\) e furnished by America and Eirgland; the former purticularly in the lower qualities, of which we have a full marke:t at low prices. The better kind and brandy are supplied from Ingland, but do not obtain a proportionate advanee compared with tho common sorts. Brandy is but of limited demand, and 2 or 3 iuncheons are sufficuent nt a time. It ought, as well as rum, to be deeply coloured.

Spices are all saleable in small parcels at a time, particularly pepper and pimento; the latter of which, in small sound berries, is demandea at good prices. Nutinegs are very abundant, and oflering very low without fiading purchasers. France, America, and England supply spices, but France more cloves than other kinds; and it may be remarked that the qualities received from England are preferred. Credit on selling is gencridly short.

Cochineal is a fair article now and then in small quantities; and when in demand, nt tinnes fetches good prices, occasionally r cesh sale, and always one of the shortest credits. Annual consumption, 4,500 okes.

In concluding our observations on imports, we could wish to impress the conviction that a poor man's purpose cannot be answered in speculating to this country; for, shonld his circumstances require a specdy remittance in bills, he mast submit to a heavy sacritice, in order to meet .is wants, by sclling his property for whatever it may fetch in cash; and such a measure cannot but be attended with very heavy loss. On the contrary, when an opulent person tinds that his property cannot be realised at saving prices, he can afford to wait until a more farourable moment presents itself; and such a moment, in less than 12 months, is almost certain to arrive, when he retires his moncy with an advantage more than squal to any interest he could obtain for it in Europe.
Account of the Quantities and Values of the Articles Imported into Smyrna in 1866.
\begin{tabular}{|c|c|c|}
\hline Artlcles & Quantitles & Value \\
\hline & & \(\pm\) \\
\hline Iron shot, nails \&c. - \(\begin{gathered}\text { packages } \\ \text { tons }\end{gathered}\) & 31,670
\(12,5 \times 5\) & \} 597,810 \\
\hline Manufactu, es, sllk \&c. - packaiges & 34,320 & 861.280 \\
\hline Butter and cheme - " & 5,295 & 130,807 \\
\hline Wrod and tlinber \(\quad\) Coffee \(\quad\) - 'ba & 241.581
70,351 & 5fils 48.818 \\
\hline Cochineal, Indigo \&e. parkages & 1,971 & 1.3,381 \\
\hline Coals - - tins & 45.754 & 30,671 \\
\hline Cloth, cotton, stuf, llnen - packz ze & 8.690 &  \\
\hline Prugs and medicines - " & 7,309 & 95,37\% \\
\hline Flour, wheat, rice \&c. - " & 64.179 & 245038 \\
\hline Stonewore, ulass \&c. - " & 12,367 & 60,500 \\
\hline  & 3,567 & 42,550
30.565 \\
\hline Skins - * & \%,751 & 50,282 \\
\hline Furnlture, haydwart,
tionery, firearms \({ }^{\text {ste. }}\), & 40,781 & \\
\hline Rum, brandy, and spirits - bärrels & 19,780 & 2,1,88 \\
\hline Suyar - - "bie & 18,200 & 95,674 \\
\hline Tobocco, snuffec. - \({ }_{\text {cher }}^{\text {baies }}\) & \[
\begin{array}{r}
3,200 \\
21,750
\end{array}
\] & \()^{70,960}\) \\
\hline Sundries - - \(\begin{gathered}\text { pactrapes } \\ \text { preces }\end{gathered}\) & 21,750
29,781 & \} 74,707 \\
\hline (tons & 8,750 & \\
\hline Totsl - & - & 3,764,531 \\
\hline
\end{tabular}

The value of the exports in 1867 exceeded in value those of 1866 by \(848,930 l\).

Figs are exported in larger quantity for America than for England, but those juteaded for the English market are of a finer quality. A considerable quantity of the figs intended for America are shipped on board the Liverpool line of steamers for England, and are subsequently transhipped at that port The certainty and expedition of this route to America have begun to cause a diminution in the number of clippers employed in the fruit trade between America and Asia Minor,

Carpets.--England takes more than \(\frac{3}{3}\) of the
arpets mamufactured in Anatolia. These carpet; are made in the interior, and by the aid of very
simple machinery, manuel labour entering larg into the means employed. Orders ar's given by an agent, and it is ganerally necessary or him on account of the poverty of the workers, to advar.ce a considerable sum of money to enaule them to purchase materials. As much as \({ }^{3}\) of the entire value of the carpets is thus advanced sometimes previonsly to their completion. As regards the dyeing of the carpet, the red colour it the Turkey carpet is generally, and ought to be always, produced by madder. Logwood is also employed, and cocbineal; but where the latter is mate use of, tho colour of the carpet ix \(\times\) p to fade. Blue comes from indigo, and yellors from the yellow Persian berries.

Sulk,-Much of the silk exported from Suyrna is brought from Brasa and other places in the interior; but within the last few years a good deal has been prepared in Smyrna.
Drugs and Gums form a principal branch of commerce, and are almost entirely iu the hands of the Jews. It is only when gum-arabic and mastic are scarce, or the demand for expotation very brisk, that much rariation exists in the price of drugs. 'I'rieste, and occasionally America, cossume a considerable portion of gums, but the largest quantity goes to the English markets, Barters are often effected through this medium. It is impossible to ascertain the qrantities of drums received in Smyma, and equally so to know the quantity remnining, as they ure dispersed allorer the city, and consumed so irregularly in Europe as bids detiance to all regular calculation.

Opium.-The produce in 1867 was about 1200 chests, and of good quality, and exported principally to China, Europe, and America.

Sponves are an article of considerable moment: particularly for the Enclish markets, and a; found among the islands in the Grecion Archips. lago, brought here, and cleaned for exportation. They vary in price from 6 to 90 piastres per oke, according to fineness and quality: the betuer sorts alone answer for speculation, and \(t, 2 y\) are, from the considerobla quantity sent to Londoa, turied to good account. The produce depends so entirely on chance, that no correct estimate of the yearly quantity can be formed; however, we are seldom in want of a mederate supply. The nialpractices of the sponge agents at Smyrna in loading them with black sand and gum water lead to much litigation.

Galls are shipped in considerable quantities for the English, German, and Freach markets; the two forme;, however, being the largest consumers: for England, the blue galls are those rrincipally sent. Annual produce of all sctis, 5,000 kintals.

Valonir employs more British shipping for foll cargoes o, only one article than any other species of produce, if we except, perhaps, fruit. It can be had to any cxtent, and at all periods. The crop of 1867 produced 32,000 tons, half of which was exported to Europe.

Fruit.-'This is an article which occupies the attention of all Smyrna, more or less, and produces, during the senson, great interest and activity. Figs come co market early in September, and raisins are ready for shipping early in Cctober; the former are procurable only at Sniyms, whese the latter in all their qualities may be procured; but the shipments are generally made at Cesné, Vouria, Carabourna, Usbeck \&c., from which ports the rame of the raisin takes its origin. large sums are frequently gained in fruit speculations; nud when the demand in England is brisk, and
d in Anatolia. These carpete rior, ani by the aild of very a amuel labour entering largely loyed. Orders ars given by ganerally necessary "or him, poverty of the workers, to able sum of money to enaula materials. As much as \({ }^{3}\) the earpets is theus advaused dy to their completion. A of the carpet, the red colour i t is generally, and ought ed by madder. Logwool d cochincal; but where th \(f\), the colour of the carpet \(i x a p\) nes from indigo, and rellos rsian berries.
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S an article which occupies the Smyrna, more or less, and prohe season, great interest and ome co market early in September rocurable their ts are gencrally made nt Cesiné, na, Usbeck \&c., from which ports raisin takes its origin. Large tly gained in fruit speculations; lemand in Engladd is brisk, sud
the prices and quality fair witl us, it very seldom nappens indecd that any loss is sustained: it is, bow er, attended rith risk; must be shipped dy; and ought only to go in a very fast, sound resel, as much depends upon a first, or at least an carly arrivnl, which obtains in general a higher prico than the latter arrivals. The quantity produce is always uncertain,

Ifcount of the Qurntities and Values of the Articles Exporté' from Smyrna in \(186 \hat{6}\).
\begin{tabular}{lll|l|r} 
Articles & & & Quantities & Valuo \\
\hline & & & \\
\hline
\end{tabular}

Prices of the Principal Exports at the Port of Smyrna in the ear 1866.


Accounts are kept in piastres, composed of 40 paris and 80ths,

\section*{Exchange.}

London, 108 to \(110 \frac{1}{2}\) piastres per \(£\) sterling in 166i,

English Equivalents of Weights, Measures, and Moneys.
Weights.
1 oke or \(400 \mathrm{drams}=2 \mathrm{q} 1 \mathrm{th}\).
 1 thook
..Try Measure.
81 kilos \(\quad=1\) lmperial querter
Gurrency.


Shipping in 1866 and 1867.-Tbe totai number of ressels which entered the port of Smyrna. by steam and sail, in 1866, was 1,506 , of 600,31 itons.

The total number of those winch left it was 1,508 , of 600,630 tons, as follows :-
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|r|}{\multirow[b]{2}{*}{National}} & & \multicolumn{2}{|r|}{Entered} & \multicolumn{2}{|r|}{Cleared} \\
\hline & & & Vessels & Tons & Vessels & Tons \\
\hline \multicolumn{3}{|l|}{nritish - .} & 152
6 & 92,665
\(1,4 \times 6\) & 161
6 & 93,954 \\
\hline \multicolumn{3}{|l|}{American} & - 491 & 122,612 & 1968 & 122,0128 \\
\hline \multicolumn{3}{|l|}{Aluteh} & 10 & 1,480 & 10 & 1, 120 \\
\hline \multicolumn{3}{|l|}{French} & 168 & 99,797 & 161 & 99,171 \\
\hline \multicolumn{3}{|l|}{Greck} & 278 & 60,7,4 & 26.5 & 50,3ill \\
\hline \multicolumn{3}{|l|}{Inanoverlan} & & \(466^{\circ}\)
460 & 2
3
3 & -466 \\
\hline \multicolumn{3}{|l|}{Italian} & \(3{ }_{3}\) & 10,4663 & 36 & 0, 460 \\
\hline \multicolumn{3}{|l|}{Mecklenturg} & 2 & . 468 & 2 & 468 \\
\hline Oldeni & urs & & 6 & 701 & 6 & 701 \\
\hline \multicolumn{3}{|l|}{Prussian} & 6 & 1,311) & 6 & 1,710 \\
\hline \multicolumn{3}{|l|}{Russlan} & 57 & \(3 \mathrm{fin61}\) & 6 & 55, 4.54 \\
\hline \multicolumn{3}{|l|}{\multirow[t]{2}{*}{Nuankh}} & 11 & 3,620 & 11 & 3 3, bis \\
\hline & & & 4 & 1,0.37 & 4 & 1.017 \\
\hline \multicolumn{3}{|l|}{\multirow[t]{2}{*}{Turkish and Ekyjtian :}} & 567 & 175,530 & 571 & 1:3, 1000 \\
\hline & & - . & 120) 6 & 6 (1), 317 & 1,514 & 600,630 \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Comparison}} & \multicolumn{5}{|l|}{\multirow[t]{2}{*}{of the Navigation and Smyrna in 1866 rand 1867}} \\
\hline & & & & & & \\
\hline \multirow[b]{2}{*}{Years} & \multicolumn{3}{|c|}{Bintered} & \multicolumn{3}{|c|}{Cleared} \\
\hline & \[
\underset{\text { ber }}{\text { Num- }}
\] & Tonnage & Value of Ciargoes & Num. ber & Tonnape & Valte of Cargoes \\
\hline 1866 & 1,506 & 600,517 & \[
\begin{gathered}
\boldsymbol{f} \\
3.59,690
\end{gathered}
\] & 1,508 & 600,630 & 3,954, \(\boldsymbol{x}^{6.10}\) \\
\hline 1867 & 1,461 & 531,917 & 3,103,900 & 1,421 & 513, \(\times 14\) & 1,107,5\% \\
\hline & De-
crease
42 & \[
\begin{array}{|c}
\text { Decrease } \\
68,100
\end{array}
\] & \begin{tabular}{l}
Decrease \\
186,790
\end{tabular} & \[
\begin{gathered}
\text { De- } \\
\text { crease } \\
\text { Si }
\end{gathered}
\] & Derrease 86,846 & Tucrease \\
\hline
\end{tabular}

Coasting Trade 1866, 1867.-The native enasting trade is not included, and may be stated as follows:-

Entered.-1,603 small eraft, of 23,506 tons, value of cargoes 172,8401 ., in 1866 ; and 1,423 small eraft, of 21,004 tons, with cargoes worth 164,2801 ., in 1867.

Cleared. \(-1,576\) small eraft, of 22,602 tons, value of cargocs \(47,600 l\)., in 1866 ; and 1,393 smali craft, of 20,584 tons, with eargocs worth 58,6301 . in 1867.
Port Regulations.-No alterations have taken place in the port and quarantine regulations ard dues since \(180 \overline{5}\), which are as follows :-

Masters ean anchor their vessels in this port at discretion. Inmediately after their anchoring they are requested to proceed to the health oflice, to produce bill of henlth, and to perform certain other formalities in order to obtain free entry.

No master is allowed to throw ballast overboard in this port.

Charges on Entrance. Anehorage.-A fee of 6d. is payable by every vessel inchoring.

For obtaining Pratique the following fees are payable by the master :-

For a vessel not exceedling 75 tons
over 250 tons 250 :"


Charges on Clearing. Bill of Health.-Vessels clearing for a Twikish port are required to be furnished with a Turkish bill of health, the charge for which varies as follows:-


If provided from any other Turkish port with such a document, the sam: can bo used, and then half of the above is payable.

Comsular Fees (British).-For every vessel: entrance and clearance fce, 10s.; hospital dues, 3d. per ton. This latter payment is not demanded from vessels which arrive and depari in ballast, which do not receive any benefit from the hospital.

Light Dues are payable at this port by all vessils before clearing is follows:About lid. per ton fire entry:
id. jerer ton for cleating;
but for every ton exerecting 800 tons the duces are reduced to one-half the above amomes.

Quarantine.-The following expenses are to bo Anfrayed by the ship, in case she is phaced in quatantine:-


Goods are required to be landed at the lazaret to,


Goods of value, from which disinfection is ditli-cult:-


Passengers must be landed likewise at the lazaretto: each rown \(1 \Leftarrow \mathrm{er}\) cay, 8 s , \(2 d\); guarel requircl per day, 4s, 4d.
Pilots.-There are no regular pilots at this port, but some are procurable; they are generally engaged by masters merely to ansist in mavigatinis their vessels free of this gulf, and are lauded before retting out of the same, for which the fee is about 11 .
Ships can likewise be provided at the entrance of the Gulf of Smyrna at the cost of \(\%\). fir bringing therir vessels to this melhorage.
The number of British vessels entered and cleared in 1866 and 1867 was as follows:-


Of which it were steamers.
Lines of Steamers.-Austrian, French, and English call regularly at Smyrna. Most of the mer liant steamers carrying thither the Austrian or the French flag belong either to the Austrian Lloyd, or the Messargeries Impérinles Company. Both these companies are richly endowed by their respectivo Goveruments, and the latter of the two has for some time carried the English mails. Thourh these steam companies aim especially at securiug passenger trafie, they nevertheless allord considerable facilities for shipping cargo, and goods of all kinds are weelly cxported and imported by their agency.
There are severnl lines of steam-ships between Smyrna and Liverpool. These ships are all, without execption, propelled by the screw; the majority are barque and a few ship-rigged. 'their average tonnage is much larger than that of the other two lines, and they direct their attention to the securing of good freights rather than passengers, who, though well provided for in other respects, might be inconvenieneed in theso boats by the long stay which their waiting for cargo sometimes entails ufon them in Smyrna and Alexamdrin. 'The Liverpool slips generally go to Constantinople first, and having discharged eargo there, they return by Siny ria. If they succeed in getting a full cargo there, they return
direet to England: but if not, they go ramed be Alexandrin. Besides the English lines bellum, bint to English houses there is ulno, as ulranis mentioned, a line of Eaglisle stean-ships in thi
employ of a compary of (ireck aud Aruen cmploy of a compary of (ireck and Aruenian merchints. Though there is no regular line of steam communication between Smyrua and hondom, yet this meaus of intercourse between the
two places docy exist, zul about once two places doce exist, zut about once every month a steamer sails direet for london.
The profase supply of steam-ships has legan affect the interests of sailing vessels engagel in the Smyrua trade. A good average passnge fir a sailing vessel, when faroured ly the wiwl from limbland to Smyrna, may be estimatel at in days; it is not unfrequently done in less time: and we have heard of an instance in whime: ship nrrived in Smyrna in 21 days nfter leavim, Carditt: But these are all voyages performed muder lavourable conditions, and these favourah.
comditions nre very frequenty wanting. The conditions are very frequently wanting. The
Liverpool stenmers with, meder the most yufate able circumstauers, reach Liverpool within \(1:\) days from the date of their leaving Smyna, I: it obrions that sailing vessels must compete wit! great disadvantage with these stemers, \(\mathrm{i}_{1}\) all cases where certainty and expedition are riyuired; and in the fruit trade it is said that steam will at no distant period cujoy almont a monopoly in freights. The merchant in Ameria tinds it answer his purpose better in many easen to have his eargo of tirs shipped in a steamer at smyrna for Liverpool, and subsepuently transhipped at the latter port, than to have hiem lirought direct without any transhipment in a sailing ship, from Sinyrua to America. The same causes will operate still more powerfully upan the European fruit ships. In fact, the peenliartio, of the Mediterrancan mavigation seem to requiry steam more than most other seas. The Dietiterranean possesses no trade wimils, and is, on the contrary especially liable to sudden chanetis and dead calms. Selooners and brigs were the finouritc elass of vessels employed in the Smyma fruit trade, but have been superseded by a sumewhat higher style of vessel.
Ruiluays.-The Aidin and Smyrna Railmay was open to Aidin in September 1866, as well io the Casaba line to Casaba. The result of the former has not been satisfactory, as the expenee are barely defrayed: but it hias not yet hal a fair trial. Nearly half of the trathe of this distait is still earried on by the camels.
The Casaba line was more sucecssful, nal ob tnins at least nine-tentles of the traffic from that distriet, realising about 7 per cent. upon tie capital expended.
In his Letters sur la Turquie (i. 425), the wellinformed M. Ubicini estimated the ralue of the imports into Smyrna in 1851 at \(28,473,000 \mathrm{fr}\) and that of the exports at \(36,682,100 \mathrm{fr}\). The consing trade, as that between Smyrna, Constantinelle, Syra, Alexandria, mad the Levant gencrally is usually denominated, is almost cutirely sin the haudy of the Greeks, and is very extersire. Ubicini reckoned the value of the impors of langlish and Swiss cottons at above 14,000,000 ft: the other leading articles of import are Enylibh and German woollens, French silks, and chtrnal products.
SNUFF (Ger. schmp falalak: Fir. tabace a poudre; ltal. tabacen da nasí ; Sjaut talaten de polvo; Russ. nosowoi tabak). A puwider formely iu very general use as an errline. Tubace is the usual baxis of sunff; but small quantitics of othe: artieles are frequently added to it, to vary its pungeney, Havour, scent de. Thoush sulsitantialy
ut if not, they go round lin the English lines belouking there is also, as nifenuy Linglish steam-ships in thin ny of (ireek and Armenian there is no regular line , a between Smyrun and Lonof intercourse between the kist. and abont once every Is direct for london. y of sterm-ships has begun of sniling vessels engnged in A good averate passnge jop then furoured ly the wint yroa, may be estimatel at, frequently done in less time: d of an instance in whid a rna in 21 days after leavin: - are all voyases perfirmei matitions, nad these favourall y frequently wanting. The will, muder the most undaver , reach Liverpool within of their leaving Smyna, ing vessels must compete wit' with these stamers, in all inty and expedition are he fruit trade it is said tha distant period cnjoy almont a its. The merchant in Ameria? purpose leetter in many casss of tigs shipped in a stenuer at rpool, and subse pucntly tranatter port, than to have them ithout any transhipment in a Smyrna to America. The same e still more powerfully upon the aips. In fact, the peeuliaritio. lean havigation seem to requir most other sras. The liedies \(n 0\) trate winds, and is, on ecially liable to sudden chantes Schooners and brigs were the ressels employed in the smyan we been superseded by a sume-- of vessel.

Aidin and Smyrna Roilma! In in September 1860, as well \(\stackrel{3}{3}\) to Casaba. The result of the en satisfactory, as the expense ced; but it has not yet had: half of the truthe of this distuit by the camels.
by was more suecessful, nal ob-c-tenths of the traflic from that about 7 per cent. upon tie
ur la Turquie (i. 405), the wellcini estimated the value of the rna in 1851 at \(28,473,000 \mathrm{fr}\). and is at \(36,682,100 \mathrm{fr}\). The coastirt tween Smyrna, Constantineple a, and the Jevant generally is ated, is nlmost entirely in the reeks, and is very extersive the value of the impors of -s cottons at above 14,0000001 f. r artiches of import are Englinh Glleus, French silks, and cirmat
. schnurfabak: lir. tabac a acco da nasa; Span, tabaco owoi tabak). A power formerly se as an errbine. Tolaceo is the Iff; but small quantities of otile: ently added to it, to vary its punscent \&c. Though subitantialls:
the same, the kinds and namea of sniff are infinite, and are perpetually changing. There arc, howper, three principal sorts : the tirst, granulated; tho seomi, an impalpable powder; and the third, the bran or coarse part remaining after sifting the second sort. Unless tnken in excess, no bad conserfuences result from its use; but the fashion of suluing has heen for aome years rapidly on the derline.
The customs duty on snuff is now (1869) from 3s. \(9 d\), to 4s, \(6 d\), per 1 b .
It would appear, from the 12th Customs' report, published in 1868, that the exportation of uutf has materially increased since the introtuctime of the drawback on that article in 1863. la 1867 we exported \(225,370 \mathrm{lb}\), and imported \(21,1223 \mathrm{lb}\). of snuff. Manufacturers of tobaceo and spuff pay license duty (according to the amount of business done), from \(51.5 s\), to \(31 l\). 118.

Dealers in tobacco and snuff are obliged to take out a license, renewable annually, which costs 5 s . \(3 d\). (an oceasional license to sell off the premises may be had at the rate of \(4 d\). per diem). They must have their premise duly encolled, and hare their names written in large legible characters over their door, or on seme conspicuous part of their honse, under a penalty of \(50 l\). The dyeing of snuff with ochre, amber, or any other colouring matter excent water tinged with colour, is prohibited undre a penalty of \(100 l\).; and its intermixture with fustic, yellow, ebony, touchwood, sand, dirt, leaves \&c. is prohibited under a penalty of 1001. and the forfeiture of the article. ( 1 \& 2 (ico. IV. c. 109.) If snuff be found to contain 4 per eent. of any substance, not being tobacco, and other than water only, or water tinged with colour. or Havoured only, such snuff shall be deemed adulterated, and shall be forfeited, and the parties snbjected to a penalty of \(100 l\). over and above all other penalties and forfeitures, (lb.) No quantity of snuff weighing above 2 lb . shall be remored by land or water without a permit. (29 Geo. 11., c. 68.) [Tonacco.]
S.UFF-BOXES are made of every variety of pattern, and of an endless variety of materials. He only mention them here for the purpose of giring the following details, not elsewhere to be met with, with respect to the manufacture of Laureneckirk or Ayrshire boxes. These are made of rood, admirably jointed, painted, and varnished. These beantitul boxes were tirst manufaetured at Laurencekirk, in Kincardineshire, about 6) years since. The original inventor was a cripple, and instead of curtains, his bed (rather a curious workshop) was surrounded with benches and receptacles for tools, in the contrivance and use of which be discovered the utmost ingenuity. Instead of taking out a patent, the inventor confided his secret to a joiner in the same village, whe in a few rears amassed considerable property; while the other died, as he had lived, in the greatest porety. The great difficulty of the manufacture hies in the formation of the hinge, which, in a genuine box, is so delicately made as hardly to le visible. Peculiar, or, as they are called, secret lools, are required in ita fermation; and though greatly improved by time and experience, the mustery attached to their preparation is still so studiously kept up, that the workmen employed in one shop are debarred having any communication with those employed in another.
About the beganning of this century, an ingenious individual belonging to the village of Camnock, in Ayrshire, of the name of Crawford, hariag seen one of the Laurencekirk snuff-boxes, stcceded, after various attcmpts, by the assistance
of a watchmaker of the same villare, who made the tools, in producing a similar box; and by his success greatly enriched his native parith and province. Unfortunately, however, lie did not improve his own fortune by his ingennity; and died early in 184 in very foor circumstances. For a while, the Laurencekirk boxes were most in demand; but Crawford and his neighbours in Cumnock not only copied the art, but so improved and perfected it, that in a few years for cvery box made in the north there were, probably, 20 mude in the south. In 18:1, the Cumnock trade was divided among 8 master manufacturers, who employel considerably more than 100 persons. Bht nfter havin' greatly declined in the interval, it did not in 1859 employ more than 5 per cent. of that number, and now (1869) this business is extinct in Cumnock. The manufacture is almost wholy contined to Manchline, and about 380 hands are engrged in it and in the manufacture of workboxes, tea-boxes, and fancy wood work, principally the lntter. 'The popalarity of the boxes has of late years declined in Britain (they never had any salo in Ireland); but, on the other hand the taste for them nas gained ground in several parts of the Continent and :n America, and the demand for them is brisk and gradually inereasing. The manufacture is also carried on, though to a very limited extent, at Auchinleck, and one or two other places. llane is the wood in common use, and the cost of the wood in an ordinury-sized box does not exceed \(1 d_{1}\); the paints and varnish are rated at \(2 d\). ; and though something is lost by selecting timber of the finest colour, the whole expense of the raw material falls considerably short of \(\frac{1}{2}\) per cent. on the return it yields, which consists almost wholly of the wages of labour.

The snuff-box manufacture, like most other departmentr of industry, has been greatly facilitated by the division of labour; and in all workshops of any size four classes of persons aro employedturners, box-makers, painters, and checkers or polishers. When Crawford tirst commenced busiuess, he obtained almost any price he chose to ask; and many instances occurred in which ordinarysized snuff-boxes sold at \(2 l .12 \mathrm{~s}\). Gd, and ladies' work-boxes at \(25 \%\). But is the trade increased it became necessary to employ apprentices, who first became journeymen, and then masters; and such have becn the effects of improvement and competition, that articles such as those specified above may be obtained at the respective prices of \(t w o\) and tuenty-five shillings ; while common boxes, which, in 1837, sold for 18s. a dozen, might, in 1850, be bought for 7 s , By means of the Pentagraph, which is much employed, the largest engravings aro reduced to the size most convenient to the workman, without injury to the prints: so that a snuffbex manufacturer, like a Dunfermline weaver, can work to order by exhibiting on wood his employer's coat of arms, or any object he may fancy within the range of the pictorial arc. Some of the painters display considerable talent, and, when they put forth their strength, produce box-lids worth being preserved as pictures. At first, nearly the whole subjects chosen as ornaments were taken from Burns's poems; and there can be no doubt that the 'Cotter's Saturiay Night,' 'Tam O'Shanter,' ' Willie brewed a peck o'maut' \&c. \&c. have penetrated in this form into every quarter of the habitable globe. Now, however, the artiats take a wider range; the stndios of Wilkie, Landseer \&c. have been laid under contribution; landscapes are as often met with as figures; and there is scarcely a celebrated scene in the country that is not pictured forth more or lessperfectly on the
lid of an Ayruhire snuff-hox. Some very wretehed For a full aecount of the manufacture, cee lie's imitations of Ayrshire loxes have been prodnced in different parts of Engrand; but they enn deceive no one who ever saw a genuine box. The hinge, as well as the timishlag, is clumsy in the extreme.

The article on this curions manufacture in our former edition was written by the late John M'Diarmid, Peng., editor of the Dumfries Comvier: but the business has materially changed during the last 20 years. The statements in the present article have been derived from Manchline

SOAl' (Ger. seife; Fr. savon; Jtal. sapone; Span jabon; liass, millo; Lat. sapo). The soap met with in commerce is genernlly divided into two scrts, hard and soft: the former is mato of soda and tallow or oil, and the latter of potash and similnr oily matters. Soap made of tallow and soda has a whitish colour, und is, therefore, sometimes denominated white soap: but it is usual for soap-makers, in order to lower the price of the article, to mix a considerable portion of resin with the tallow; this mixture forms the common yellow soap of this country. Soap made of tallow de. and potash dues not assume a solid form ; its consistence is never greater than that of hog's lard. The properties of soft soap as a detergent do not difler materishly from those of hard soap, but it is not nearly so convenient to use. The alkali employed by tho ancient Gauls and Germans in the formation of soap was potash; hence we see why it was lescribed by the Romans as an ungient. The oil employed for making soft sonp in this country is whale oil. A little tallow is also added, which, by a peculiar management, is dispersed through the soap in tine white spots. The soap made in countries which produce olive oil, as the south of France, Italy, and Spain, is preferable to the soap of this country, which is usually manufuetured from grease, tallow \&e. (Thomson's Chemistry.)

An Account of the Quantity of Soap made in between Silicated, Hard, and Soft Soap,
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline Towns & & silicated Soap & Other 1lard Soap & Soft Soap & Towns & & Sllicated Soap & Other Hard Soap & Sont Soap \\
\hline Emolano. & & lb. & 1 l . & lh. & & & th. & lb. & 1 lb . \\
\hline Rath : & - & - & 409,050 & \(\because\) & Yarmouth : & - & \(\because\) & 65.890 & \\
\hline Hempitead - & - & - & 151,627
363,110 & \(\cdots\) & Oxford
Plyinouth & - & ". & 3,851,820 &  \\
\hline Smethwick - & - & \(\bullet\) & 2,373,720 & 54,690 & Liskeard - & - & - & \%, & 1,560 \\
\hline Blackhum - & - & \(\bullet\) & 324, 5.51 & -. & Wallinyford - & - & - & 12,278 & \\
\hline Burnley - & - & \(\because\) & 311,780 & - & Grenwich - & - & & 8,714, 130 & - \\
\hline Haslinuden - & - & - & 614,640 & 1100 & Sheffield : & - & 7 & - 44.5 .546 & * \\
\hline \({ }_{\text {chel }}^{\substack{\text { St. Helen's } \\ \text { Histol }}}\) & - & . & 12, \(89 \underline{9} \times 630\) & 407\%900 & Bury & - & 7,710 & 168,3190 \(\begin{aligned} & 6741100\end{aligned}\) & ". \\
\hline Canterbury - & - & & 534,040 & & Brentford - & - & \(\because\) & 4,440,450 & \(\because\) \\
\hline Chester & - & 6,480 & 651,680 & - & Borsham - & - & -* & 24,420 & * \\
\hline Derby & - & - & 297,340 & - & Staines - & & -. & 11,440 & - \\
\hline 1orchester - & - & - & 2114,6930 & - & Wandsworth & - & - & 3,484 & " \\
\hline Hrtesilead : & - & 6.000 & \(7,131,590\)
\(\mathbf{6 , 0 1 0}\) & \(\because\) & Brighton : & - & \(\because\) & 811,490
360890 & \(\because\) \\
\hline Maldon & - & 3,900 & 86,950 & \(\because\) & Taunton: & - & - & 360,899
80,020 & -* \\
\hline Clare & - & 33,880 & 212,630 & - & Bridgewater - & - & & 12,190 & . \\
\hline (iloucester & - & \(\cdots\) & 1,543,730 & - & Cardilif - & & 4,650 & 97,270 & . \\
\hline Stamforl - & * & - & 464,310 & & Lisndilo - & & -• & 4,6\%0 & * \\
\hline Bradfurd & - & " & - & 1,56i.570 & Hromsgrove - & & - & 1,749,183 & \(\because\) \\
\hline Huddrentield & * & \(\because\) & 278,8,50 & 726,910 & York & & - & B33,040 & - \\
\hline Gosport - & * & -. & 444,500 & - & & & 440,297 & 125,485,099 & 11,833,33 \\
\hline Prrtsmouth & - & - & 406,710 & \% & London & - & 899,736 & 44,034,102 & 539,593 \\
\hline Brillington - & \(:\) & \(\because\) & 2,3i,400 & 1,3,N00 & Total, England & - & 1,320,033 & 169,519,201 & 11,874,951 \\
\hline Snuthainyton & - & - & 4,120 & - & & & & & \\
\hline Preton: & : & \(\because\) & 225,970 & 774,910 & Scotlano. & & & & \\
\hline Watefield - & : & \(\because\) & 3,795,810 & 77,910 & Alverdeen : & - & " & - & 44,999
\(2 i 129\) \\
\hline teicester - & * & 4,550 & 3, 3 , 7000 & \(\because\) & Ayr \({ }^{\text {Arepnock }}\) : & , & \(\because\) & 111.045 & 3101013 \\
\hline Gakham & - & - & -809,060 & \(\because\) & Paisley & , & - & 698,270 & 661,30 \\
\hline \(1{ }^{1}\) Mudley \({ }^{\text {a }}\) & - & \(\because\) & 9n9,200
633,040 & \(\because\) & Leith & - & & 2,297,480 & , 136,4904 \\
\hline Wednebbury & - & \(\because\) & 633,040
863,1180 & \(\because\) & \({ }_{\text {Glasgow }}\) & - & 7,150 & 10,642,819 & 3,360,969 \\
\hline l.outh & - & \(\cdots\) & 405,790 & \(\because\) & Prevton Pans & & - & 874,919
\(\mathbf{3 3 8}, 650\) & \(\mathrm{B}_{12}^{65 \%} 0\) \\
\hline Spilsby - & - & & [ \(\begin{array}{r}26,070 \\ 394 \\ \hline 895\end{array}\) & & Dunfermiline & & - & 243,490 & \\
\hline Liverpool \({ }_{\text {lirkenhead- }}\) & - & 3.3,250 & 39, 2901,414 & 7,375,20 & Total, Scotland & & 7,150 & 15,206,061 & 7,150,119 \\
\hline liolf - & - & - & 15,600 & & Totals Acolland & & & 15,206,061 & \\
\hline Slanchester - & - & \(\because\) & \(1,14.3,550\)
779,010 & 163,013
.0 & & & & Totals Collect & \\
\hline Newcastle & - & \(\bullet\) & \(3,581,040\) & - & & & & & \\
\hline South Shields & - & - & 1,0:6,889 & - & & & & & \\
\hline Towcester - & - & \(\because\) & 11,739,360 & \(\because\) & England * & - & 1,320,033 & \[
\begin{array}{r}
169,519,201 \\
15,206,061
\end{array}
\] & \[
\begin{array}{r}
11,87,19,98 \\
7,130,119
\end{array}
\] \\
\hline Warrington & - & & 6,147,090 & - & & & & & \\
\hline Norwich : & - & 2,970 & \(1,941,5.50\)
149,2617 & \(\ldots\) & & & 1,327,183 & 184,725,265 & 19,025,001 \\
\hline
\end{tabular}

\section*{of the manufacture, see \(\mathrm{Ure}^{\prime}\).} a detergent is well kuowa• sidered as a necessary of lif. most civilised countries in iforms us that soap was first uls; that it was composed of nd that the German soap wis (Lib. xviii, c. öl.) uty was charged on hard smap. most extensively used, of \(3 e\), cwt., while the price of surp ceeded Gd. per lb., or 56s, pie ty was fully 100 per cent. lint. luty, the substances of which callow, barilla, and turpentine. etively charged with duties of \(4 d\). per cwt.; and taking the e cecount, it may be truly stated d from 120 to 130 per cent. al osition of so exorbitant a doty pensable to the prosecution nanufacture, and to the comfor ll orders of persons, was in the dient. During the five yedr: the consumption of duty-paid ationary; though there can be le increase of manufactures and that period, that it wonld lave ably extended, but for the in. 5. This practice was facilitated tion which Ireland eajoyed from ot unfrequently happened that his country, and sent to lreland was again elandestinely intro3ritain. It is, perhaps, deedless 5 but the effectual reduction of a stop to the smugging and i so generally practised. So long
-Great Britain, distinguishing nding January 5, \(180 \mathbf{2}\).
\begin{tabular}{|c|c|c|}
\hline Slicated Soap & Other Hard Soap & Soit Saxp \\
\hline lb. & 1 lb . & lo. \\
\hline \(\because\) & 65,890
5,350 & \\
\hline - & 3,851,340 & 3 3/80 \\
\hline \(\because\) & " 2,278 & 1,100 \\
\hline : & 8,712, 130 & .. \\
\hline 7 &  & " \\
\hline \%,710 & 574,1100 & \\
\hline \(\because\) & 4,440,4.50 & , \\
\hline \(\because\) & 11, 480 & . \\
\hline \(\because\) & 3,484
\(\mathbf{5 1 1 , 4 9 0}\) & :. \\
\hline \(\because\) & 360,899 & - \\
\hline \(\because\) &  & . \\
\hline 8,650 & 97,470 & - \\
\hline \(\because\) & 1,749,183 & :. \\
\hline \(\because\) & 833,010 & . \\
\hline \[
\begin{aligned}
& 4 \times 0,297 \\
& 899,736
\end{aligned}
\] & \[
\begin{gathered}
125,485,099 \\
44,33+102
\end{gathered}
\] &  \\
\hline 1,320,033 & 169,519,201 & 11,874,59 \\
\hline & & 477,99 \\
\hline \(\because\) & & \%iticis \\
\hline \(\because\) & 111,045 & 661, \({ }^{(3)}\) \\
\hline - & 2,297,4\%0 &  \\
\hline 7,150 & 10,644,219 & 3, 560,90 \\
\hline :. & 33\%,650 & 12,50 \\
\hline .. & 243,490 & . \\
\hline 7,150 & 15,206,064 & 7,150,119 \\
\hline
\end{tabular}

Totals Collected

\section*{\begin{tabular}{l|l|l}
\(1,320,033\) & \(\begin{array}{l}169,519,201 \\
15,026,061\end{array}\)
\end{tabular}} \(\begin{array}{r}169,519,201 \\ 15,206,061 \\ \hline\end{array}\) \(\begin{array}{r}11,974,938 \\ 7,150,119 \\ \hline\end{array}\) 1,327,183 19,025,05!
as the profit to be made by breaking the law was so ligh ins 120 or 130 per eent., so long was it sure to te broken, despite the multiplication of peralties and the utmost aetivity and vigilunce of the officers. Inut the duty having been reduced 50 per cent. in 1833, the temptation to smuggle was materially diminished. And the inereased conwation which followed the rednction of duties himdered the revemie from declining more than th, of so per cent. Hence the advantages resnltinefrom the diminished temptation to smuggling atil fratel, and the intluence of the reduced price of the articke, in facilituting mannfacturing industry, and in promoting habits of elcanliness, were whtaned without auy very considerable sacrilice.
In a former edition of this work we took leave to obeerve that 'the entire repeal of the soap duty would be a popular ineasure; but, secing that a large amount of revenue inust be raised, and that thoe taxes ouly are productive which affect all dasses of the commmity, we should not be dispesed to recommend such a measure. It is not the tax itself, but the oppressive exteat to which it was carried, that made it objectionable. Instead of proposing its repeal, we think it shonk bo extended to lreland. The exemption of one part of the empire from a duty of this sort imposed on another part, is contrary to all principle, and is fraught with pernicious results. It will be impussible to get rid of smuggling so long as this unjust distinetion is suffered to exist. Were the dary extended to Ireland, the necessity for granting drawbacks on the soap exported to it, and of layiag countervailing duties on that imported from it, would, of eourse, fall to the ground. And we feel pretty confident, that though a still further deluction were made from the rate of duty its productiveness woald not, under such circumstances, be impaired, even in England.'
Guvernment, however, not feeling disposed to topport an unpopular, and, in sume respects, an ofjectionalle tax, consented in 1853 to its repeal.
The lable on preceding page is interesting, inasmuch as it shows the extent of the manufacture duriar the last year but one that it was subject to a duty, and as it will be an authentic standard with which to compare its future progress.
The total nett revenue derived from soap amounted in 1852 to \(1,126,046 \%\). In 1851, \(13,48,220 \mathrm{Hb}\). soap were exported, the drawback on which amountel to \(88,468 l\),
Drawbacks and allowances wero also made during the same year of \(104,420 l\). to the woolen, silk, tlas, and cotton manufacturers en account of the soap used by them. And the trouble to the manufacturers arising from this system, with the opportunities which it afforded for the commission of fraud, constituted the principal objections to the duty.
The declared value of \(219,372 \mathrm{cwt}\). of soap exported in 1867 amonnted to 289,206 l.
SODA. [AlKAl.I.]
SOUTII SEA DUTTES. The Act of the 9 Anne, c. 21 establishing the South Sea Company, conreved to them the exclusive privilege of trading to the Pacitic Occan, and along the east coast of America, from the Orinoco to Cape Horn.
This privilege was taken away by 47 Geo. III. e. 23 ; and to raise a guarantee fund for the indemnification of the Company, a duty of 2 per ceat. ad valorem was imposed by 55 Geo. III. c. 37 on all goods, except those from Brazil and Dutch Surinam (the provinces of Rio de la Plata were afterwards added), and except blubber, oil de. of whales, or fish caught by erews of British or lrish ships, imported from within the aforesaid limits. A duty of 18, \(6 d\). per ton was also
imposed on all vessels (except in ballast or importing the produce of the fishery of British suljects) entering inwards or cleariag outwards from or to plaees within tho said limits. The duties ceased when the guarantectund was completed.
SOY. A species of sauce prepared in China and Japan from a small bean, the produce of the Dolichos soja. It is caten with fish and other articles. It should be chosen of a good flavour, not too salt nor too sweet, of a good thick ennsistence, a brown colour, and clear: when shaken in a ghans it should leave a coat on the surface of a bright yellowish-brown colour; if it do not, it, is of an inferior kind, and should be rejected. \(J a_{i} m i n\) soy is deemed superior to the Chinese. It is worth from 3 s . to \(4 s\). per frallon. It is believed to be extusively counterteited. In 1867 we imported 11,493 gallons of suy, valued at 1,795l., and exported 2,166 gallons. (Miluurn's Uricut. Com.; Chinese Repository; \& c .)
Sl'ALN. [Ahcante; Barcelona; Cablz; Maliaga ; de.] An order of the Spanish Provisional Government is published in the Loudon Guzette (March 23, 1869), extending to the ships of every nation the power, hitherto enjoyed by Spanish vessels only, of going to forejgn ports with cargoes from fureign Americe, and with eargoes of dried tish from the same ports, with a eonsular register under the same rates and formalities as are established by Articlos 8 and 260 of the customs ordinances, and by a subsequent deeree (see Loudon Gazette of April 8, 1869). British vessels coming from British India are entitled to national treatment in respeet of the payment of port and navigation dues on the Spanish colonies.

SPELTER, A name frequently given to Zinc. SPERMACETI (Ger, wallrath; Fr. blanc de baleine, sperme de baleine; Ital. spermaceti ; Span. esperma de ballena; Russ. spermazet), A protuct obtained rom the brain of tie Physeter macrocephalus, a speeies of whale inhabiting the Sonthern Ocean. The brain being dug out from the cavity of the head, the oil is separated from it by dripping. The residue is crude spermaceti, of which an ordinary-sized whale will yield 12 barrels. After being brought to England, it is purified. It then conerctes into a white, crystallised, brittle, semitransparent, unctuous substance, nearly inodorous and insipid. On being cut into small pieces, it assumes a flaky aspect. Its specifie gravity is \(9 \cdot 433\). It is used in the manufacture of eancles, in medicine \&c. Wo imported in 1867, besides \(320,081 \mathrm{lb}\). of spermaceti, 3,226 tons of spermaceti, or liend matter, valued at \(373,367 l\)., of which 2,822 tons were from the United States.

SPICliS (Ger. spezereien; Dutch, specerijen; Fr. épiceries, épices ; Ital. spezj, spezierie; Snan. especias, especerias ; Port. especiaria; Russ. prindie korenja). Under this denomination are included all those vegetable productions which are fragrant to the smell and pungent to the palate; such as cloves, ginger, nutmegs, allspice \&c. These will be found under their proper heads.

SPIRIT OF WINE. [Alcoirol.]
SPIR1TS. All inflammable liquors obtained by distillation, as brandy, rum, geneva, whisky, gin \&e., are comprised under this designation. The term British spirits is applied indiscriminately to the various sorts of spirits manufaetured in Great Britain and Ireland. Of these, gin and whisky are by far the most important.

The manufacture of spirits is placed under the survillance of the excise, and a very large revenue is oltained from it. The Act \(23 \& 24\) Vict. c. 114 lays down most of the regulations to be followed 4 P 2
\(y\) the distillers in the manufacture, and by the wilierrs in charging the duties. 'Tlis Act is of great length, having no fewer than 223 clanses: it is, besides, exccelingly emmpliented, and the prnaltics in it amount to many thousand ponnds. It would, therefore, be to wo purose to attempt siving any abstract of it in this place. liveryoue carrying on the hosiness of distillation must have the Act in his possession, and be practically acpuainted with its operation.

Several subsequent Aets, such as the 9.1825 Vict. e. 918.3 ; the \(28 \& 29\) Viet. e. 96 s. 27 ; mul the \(31 \& 32\) Vict. c. 12.4 s. 5 , refer more especially to methylated spirits.
1. Spirit Duties, Consumption of 7 ,-itish Spirits in Great Brituin and Irehond.--'There are, perhaps, no better subjects for taxation than spirituous and fermented liquors. 'They are essentially luxuries; and while moderate duties on thein are, in consequence of their being very generally used, exceedingly productive, the increase of price which they oceasion has a tendency to lessen their consumption by the poor, to whom, when taken in excess, they are exceedingly pernicious. Few Governments, however, have been satistied with imposing moderate duties on spirits; but, partly with the view of increasing the revenue, and partly with the view of placing them beyond the reach of the lower classes, have almost invariably loaded them with such oppressively high duties as have entirely defeated both objects. The imposition of such duties does not take away the appetite for spirits; and as no vigilance of the officers or severity of the laws has been found sufticient to secure a monopoly of the market to the legal distillers, the real effect of the high duties has been to throw the supply of a large proportion of the demand into the hands of the illicit distiller, and to superadd the atrocitics of the smuggler to the illeness and dissipation of the drunkard.

During the latter part of the reign of George I. and the earlier part of that of Gcorge 1I. gindrinking was exceedingly prevalent; and the cheapness of ardent spirits, and the multiplication of public houses, were denounced from the pulpit, and in the presentments of grand juries, as prefnant with the most destructive consequences to the health and morals of the community. At length ministers determined to make a vigorous effort to put a stop to the further use of spirituous liquors except as a cordial or medicine. For this purpose un Act was passed in 1736, the history and effects of which deserve to be stulied by ull who are clamorous for an inerense of the duties on spirits. Its preamble is to this effect:- 'Whereas the drinking of spirituous liquors, or strong water, iv become very common, especially among people of lower and inferior rank, the constant and excessive use of which tends greatly to the destruction of their health, rendering them unfit for useful labour and lusiness, debauching their morals, and inciting thein to perpetrate all vices; and the ill consequences of the excessive use of such liquors are not contined to the present generation, but extend to future ages, and tend to the destruction and ruin of this kingdom.' The enactments were such as misht be expected to follow a preamble of this sort. They were not intended to repress the vice of gin-drinking, but to root it out altogether. To accomplish this, a duty of tuenty shillings per gallon was laid on spirits, exclusive of a heavy liceuse duty on retailers. Extraordinary encouragements were at the same time held out to informers, and a tine of \(100 \%\), was ordered to be rigorously exacted from those who, were iteven through inadyertency, should vend the smallest quantity of spirits which lad not paid the full duty. Here was an Act which
night, one ahould think, have aatisfied the bittereat enemy of kin. Jlut insteall of the anticipated effects, it produced those directly opposite. Thie respectable dealers withdrew from a trade prosuribed by the Legislaturo; so that the spirit basiness fell almost entlrely into the hands of the lowest and most profligate charncters, who, asthey had nothing to lose, were not deterred by penalties from breaking through nll its provisions. The populace having in this, as in all similar cases, es. ponsed the cause of the smugglers and unlicesse! Cealers, the oflicers of the revenue were openly is. saulted in the strects of Jonilon and other great towns; informers were huntel down like wild bcasts; and drunkenness, disorders, and crimes increasel with a frightful rapidity. 'Within two vears of the passing of the Act,' says 'Tindal, 'it had be. come orlious and contemptible, and policy as well as humanity forced the Commissioners of Excise to mitlgate its penalties.' (Comtinuation of Rapin, vol. viii. p. 358, ed, 1759.) The name histurian mentions (vol. viii. p. 390), that thuring the two years in question no fewer than 12,000 persons were convicted of oflences connected with the sale of spirits. lut no excrion on the part of the reveme othicers and magistrates could stem the torrent of smuggling. According to a statement made by the Darl of Cholmondeley in the llouse of Lords ('limberland's Debates in the House of Lords, vol. viii. p. 388), it appears that at the very time when the sate of spirits was declared to be illegal, and every possible excrtion made to suppress if, upwards of seven mildions of gallons wete ammally consumed in London and other parts immediately aljacent. Under such circumstame: Government had bit one course to follow-to give up the unequal struggle. In 1742 the high prohibitory duties were accordingly repealed, and such moderate duties imposed as were calculated to increase the revedue by increasing the coasumption of legally distilled spirits. The bill for this purpose was vehemently opposed in the Itouse of Lords by most of the bishops, and many other peers, who exhausted all their rhetoric in alepictian the mischievons consequences that would reauld from a toleration of the practice of gin-draking. To these declamations it was unanswerably replied, that whatever the evils of the practice might be, it was impossible to repress them by prohibitury enactments; and that the attempts to do so had been productive of far more mischief than had ever resulted, or could be expected to result, from the greatest abuse of spirits. The consequences of the change were highly hencticial. An iastant atop was put to smugrting; and if the vice of drunkenness was not materinlly diminished, it lias never been stated that it was increased.

But it is unnecessary to go back to the reign of George II. for proofs of the impotency of ligh duties to take away the taste for such an artide, or to lessen its comsumption. The occurnates that took place in later reigns, though the) would seem to be already forgotten, are equally deisive as to this question.

Dnties in Ireland.-Perhsps no country has suffered more from the excessive height to which duties on spirits have been carried than Ircland. If heavy tnxes, enforced by severe tiscal regulations, could make a people sober and industrins: the Jrish would be the most so of any on the iace of the enrth. In order to make the possessors of property join heartily in suppressing illict distillation, the novel expedient was here resorted to, of imposing a heavy tine on every parish, town land, manor land, or lordship in which an unlicensed still was found; while the unfortunate wretches found working it were subjected to
ok, have antisfied the bitterut instead of the anticipated ose directly opposite. The ithdrew from a trade proture ; so that the spirit bus. rely lnto the hands of the ifate characters, who, asthey ere not deterred hy lemalties gh ull its provisions. The is, as in all similar cases, eslie smugglers and mulicensent the revenue were openly as. of London and other great hunted down like wild beasts: corders, and crimes increased dity. 'Within two vears of ct,' says 'lindal, 'it had beatemptible, and poliey as weil ye Commissioners of Exciseto es.' (Continuation of Rapin, 1759.) The same histurian p. 390), that during the two ewer than 12,000 persons were connected with the sale of tion on the part of the revenue ates could stem the torrent of ling to a statement made by udeley in the llouse of lords ites in the House of Lords, vel. pears that at the very inie rits was declared to be illegal, exertion made to suppress it, mintions of gallons were 1 in London and other parts nt. Under such circumstaners tone course to fellow-to pive truggle. In 1742 the high were aecordingly repealed, and es imposed as were calculated venue by increasing the eosdistilled spirits. The bill for ehemently opposed in the llouse of the bishops, and many other ed all their rhetoric in depicting onsequences that would result f the practice of gin-draking. ons it was unanswerablyreplied, evils of the practice might be, to repress them by prolibitiony that the attempts to do so lad f far more mischief than lad buld be expected to resalt, from of spirits. The consequences of highly beneticial. An instana muggting; and if the vice of ot materially diminished, it has that it was increased.
ssary to go back to the reign of ofs of the impoteney of ling ay the taste for such an article, consumption. The occurnars later reigus, though they would forgotten, are equally devisive
nd.-Perhaps no country has the execssive height 10 whici ave been carricd than Ireland. foreed by serere fiscal reguld a people sober and industristis the most so of any on the iace order to make the possessors of ily in suppressing illiett distiexpelient was here resorted to. avy tine on every narish, towa or lordship in which an unfound; while the unfortuate vorking it were subjected to
transportation for seven years. But Instead of been in every point of view most successful. It putting down illicit distillation, these unheard-of will be seen that the increase of duty from \(2 s .10 \mathrm{~d}\). sererities rendered it universal, and tilled the country with bloodshed, and even rebellion, It is stated by the Rev. Mr. Chichester, in his valuable pamphlet on the Irish Distillery Laws, published in 1818, that ' the Irish system secmed to have ben formed in order to perpetunte smuggling and anarchy. It has culled 'he evils of bóth savage and civilised life, and rejected all the advantages which they conitain. The calamities of civilised warase are, in general, inferior to those probiced by the Jrish tistillery lnws; and I doubt whether any nation of modern Furope, which is not in a state of actunl revolution, cau furnishinstances of hal cruelty commensurnte to those which I have representel.' (1'p. 92-107.)
These statements are borne out to the fullest exthe by the oflieial details in the Reports of the \(\boldsymbol{K e}\) renue Commissioners. In 1811 , say the Commissionefs \{Fifth Report, p. 19), when the duty on spirits was ts. (ifl. per gallon, duty was paid in I reland on 6,500,361 gillons (Irish measure); whereas, in 1022, when the daty was os. 6 d., only \(2,910,483\) pallons were brought to the charge. The Cominissioners estimate that the annual consumption of spints in Irelnud was at this very period not less than ten mhlions of gallons; and, as scarcely three millions paid duty, it followed that seven millions were illegally supplied; and 'taking one million of gallons as the quantity fraulalently fumishel for consumption by the licensed distillers, the produce of the unlicensed stills may be estimated at six. millions of gallons.' (1b. p. 8.) Yow, it is material to keep in mind thent this vast amount of smugeling was carried on in the teeth of the above barbarous statutes, and in despite of the utmost exertions of the police and inilitary to pevent it ; the only resnlt being the exasperation of the populace, and the perpetration of revolting atrocities both by them and the military. 'In Irdand,' say the Commissioners, 'it will nppear, fom the evidence amexed to this report, that parts of the country have been absolutely disurganised, and placed in opposition nut only to the civil authority, but to the military force of the Government. The protits to be obtained from the evasion of the law have been such as to encourage numerous individuals to persevere in these deppernte pursuits, notwithstanding the risk of property and life with which they have been sttentled.'
Toput an end to suels evils, the Commissioners recommended that the duty on spirits should be reducel from 5s, 6ft, to 2 s . the wine gallon ( 2 s . \(4 \boldsymbol{d}\). the imperial fallon), and Government wisely consented to act upou this recommendation. In 1823 the duties were accordingly rednced; and the official aecount given on p. 1318 will show what has been the resilt of this measure.
It may appear, on a superficial view of this table, as if the consumption of spirits in Ireland hal been nearly trebled in consequence of the reduetion of the duty in 1823; but in point of fact it was not in any degree inereased. The reduetion of the duties substituted legal for illicit distillation, and freed the country from the perjuries and other atrocities that grew out of the previous system; but it would be wholly erroneous to say that it inereased drunkenness. We have alrealy scen that the Commissioners, who had the hest means of obtaining accurate information, estimated the consumption of spirits in Ireland, in 1893, at TEN millions of gallons; and when greatest, in 1838, 15 years alter, the consumption was only \(12,296,342\) gallons. No doubt, therefore, the mensure deserves to be considered as having
to 3s. 4 d. in 1830 pereeptibly diminished the quantity of spirits brought to the clarge; and us it was found to give a considerable stimulus to illieit distillation, wheli had previously been nearly extinet, the duty was reduced to 2s. 4d. in 1835. The extraordinary decrense in the consumption of spirits after 1839, though in some degree, perhaps, aseribable to the addition of dal. per gallou made to the duty in 18.10, was no doult principally owing to the exertions of Father Mathew, and the spread of temperance societies; and notwithstanding the loss of revenue it occasioned, the change was certainly of great public advantage: provided it hat been maintained, it is not casy to suppose that anything could have occurred better fitted to improvo the physical and moral condition of the people. The addition of \(1 s\). per gallon made to the duty in 1842 was repealed in 18.1.; for while it gave a stimulus to clandestine distillation, it was pretty obvious it would not have added anything to the revenne, or given any additional impetus to the temperance movement. The apparent effeet of the additions to the duty in 1858 nud 1860 on the consumption in Ireland was a fall from \(6,-83,207\) gallons in the year ended Mareh 31, 1808, to \(5,418,409\) gallons in tue following oflicial year, and a further fall from : ,950,241 fallons iu the year ended March 31, 1860, to \(1,191,560\) gallons in the suceceding vear.

Duties in Scothud.-The experience of Seotland is hardly decisive as to this question. The exorbitancy of the duties prodnced nearly the same effects there as in Ireland. Mr. John Ilay Forbes, sheriff-tlepute of Perthshire, and aftervinds a lord of session, stated in evidence before the commissioners, that, according to the beat information he could obtain, the quantity of illegally distilled spirits annually produced in the Ilighlands conld not annount to less than two millions of gallone. In corroboration of this, lie stated that, in 1821 , only 298,138 gallons were brought to the charge in the llighlands; and of these, 254,000 gallons were permitted to the Lowlands, leaving only 44,000 gallons for the consumption of the whole country-a supply which, we are well assuret, would hardly be sufficient for the demand of two moderately populous parishes. In a letter of Captain Minnro of Teaninich to the Commissioners, it is stated that, 'at Tain, where there are upwards of 23 licensed public houses, not one gallon had been permitted from the legal distilleries for upuards of tuelve mouths,' though a small quantity of sminggled whisky had been purehased at the excise sales, to give a colour of legrality to the trade. The same gentleman thus expresses himself in another part of his letter:-'The morul effect of this banefill trade of smugerling on the lower classes is most conspicuous, and increasing in an alarming degree, as evidenced by the mnltiplicity of crimes, and by a degree of lusubordination formerly little known in this part of the country. In several districts, sueh as Strathconan, Strathearron de., the excise officers are now often defored, and dare not attempt to do their duty; and smugreled whisky is often carried to market by smugglers escorted by armed men, in detinnce of the laws. In short, the lrish system is making progress in the Ilighlands of Scotland.'
To arrest the progress of ilemoralisation, Government, pursuant to the judicions advice of the Commissioners, reduced the duties on Scotch to the same level as those on Irish whisky; and the consequences were equally salutary. The prefixed statement sets the influence of the reduction of the duty in 1823 in the most striking point
of view, the consumption of doty-paid spirits I Duties in Singhand.-Irevionsly to the reductime having more than donblel in the romrse of 2 years, of the duty on lrish and scoteh apirits, the daty at tho same time that illicit distillation was all on English spirits had been as high as 11 s. 8 d. fop but suppressed. Hut we much donbt whether the gallon. This high duty, and the restrictimp existing dutles ( 1 N69) be bot a grent deal too undar which the trade was placed, were productive high. They are now, it is trine, more ensily col- of the worst elfiects. 'They went far tor enable the lected than formerly, and npirit arinking is, mo distillers to tix the prico of spirits, and comsedoubt, much too prevalent in scotland; but the quently' (we guate the words of the Commislatter will not be lessened by any increase of duty sioners of lixcise lmpuiry)' to raise it much beyond that gives a stimulas to smugghing. that which was andlleient to repay, with a protie,

1,-An Account of the Quantities of Jome-nunde Spirits charteal with Consumption Dutirs, and specifying the Rates of Duty in each Division of the limpire since I800, with the Total Amount of the Duty.


1859-66 sears ended March 31.
II.-An Account of the Foreign, Colonial, and Channel Island Spirits Importell into, Erpoitent irom, and Retained for Home Consumption in the Unital Kingdom fec. in the Year ending December 31, 1867.
Irr vionsly to the reduetion ad heotel spirits, the that
 duty, and the restriction was placed, wero probluctive They went far to enable the rice of spirits, " nald ense he words of the Comanis iry) 'to raise it much beyom ent to repay, with a protit,
th Comsumption Dutirs, und - since 1800, with the Total
\(\qquad\)
Unleel Kingilom

Total Gillons
\begin{tabular}{|c|}
\hline  \\
\hline
\end{tabular}

6,960,941 1,35i,,\(\frac{2}{6}\)
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Spiris & & Quantilies Tmported & Quantities retained fir llomit Consumption & Quantitien - Bjorter as Ner: chandist & Quantitlen shipied ata
Stures & Ouantities Allibured fir the Lise of than Nayy & Quantities spmaluling In Ifonis, in ('nited Kinkilam 1) We. 31, I46i \\
\hline Rum : of Iritish possessiona, and miad in bond & * & prour mals, & proorgals & Proof gals. & proof gals. & proof gals. & jroof Rals. \\
\hline Rum Yoreign : & - & 792,2い2 & 5.57,1149 & & & & \\
\hline 13 r ndy : & & 4, 811.43 .38 & 3,146,371 & 36.3, \(\times 16\) & 76, \({ }^{191}\) & 3,288 & 19, 968 \\
\hline tenera \({ }^{\text {a }}\) & & 4, \({ }^{2} 19.286\) & 128,433
\(71.3,91\) & & 21, \({ }^{2} 10\) & 316.293, & 114.797 \\
\hline Other forelign and colonial ajirits & - & 6, \(\mathrm{B}, \mathrm{NB}, \mathbf{2 0 1 8}\) & 4, \({ }^{711,391}\) & 3,63, 6,198 & 161,210 & 316,222
.. & , 410,676 \\
\hline Total & . & \(13,067,512\) & 4,715, 156 & 3,195,914 & 4.59, 671 & 319,601\% & 14,61,031 \\
\hline
\end{tabular}
the cost of the manufacture and the duty advanced to the Crown.' And, in proof of this, the Commissioners mention, that in November 1823, ' when com spirits might be purchased in Scothand for about \(2 s\), 3a, per gallon, raw spirits could not be purchased in linglatid for less than 4s. Cal. ready money, and 4 s . 9 d. credit, omitting, in both cases, the duty.' In consequence of this state of thimgs the adilteration of spirits was carried on to a reat extent in England; and the largo protits made by the smuggler occasioned clandest ine impurtation in considerable quantities from scotland and Ireland. T'o obviate these inconveniences, and at the same time to neutrnlise the powerful additional stimulus that the reduetion of the duties in Scotland and Ireland would have given to smuggling, had tho duties in Eingland been contunued at their former amount, the latter were relueed, iu 1826, to 7 s . per gallon, facilities being at the sume time given to the intportation of spirits from the other parts of the empire. Mnny comphats have been made of the influence of this measure in increasing drunkemess, but nothinir can be imagined more completely destitute of fomdation. Tho Conmissioners estimuted the consumption of British spirits in England and Wales, in 1823, at \(5,000,000\) gallons (Supp, to Fifth Report, p. 8) ; ind it appears from the prefixed account that it amounted, for the yenr ending January 5,1844 , to \(7,724,051\) gallons, producing \(3025,2 t i j\), of revenue; so that, making allowance for the increase of population since \(1 \times 23\), and for the cheek piveu to adulteration and smugerling, and considering, also, that the consumption of foreign spirits was not greater in 1843 than in \(18: 3\), it may be safely affirmed that the practice of spint-drinking had not increased in England during the 20 years ending with 1844 ; nor has it increased in the 10 years ending with 1867. Su doult, bowever, it is atill a great deal too prevalent, and large sums of money aro wasted by the poor on gin whici had far better be expended on other things, But how much soever we may deplore the prevalence of gin-drinking, we may be assured that the evil is not one that can be cured, or even mitigated, by increasing the existing duties on spirits. Such increase would substitute illegitimnte for legitimate channels of supply; it would injure the public revenue, and diflise among the populace the idle, disorderly, and predntory habits that mark the character of the smuggler; and it would do all this without lessening in any degree the vice of drunkenness.
Spirit Drinking in Scotland.-The extraordinary prevalence of spirit drinking in Scotland, and the many abuses to which it gives rise, have occasioned a great deal of discussion, and led to sundry efforts for its diminution. But, speaking generally we doubt whether these have been bottomed on sound principles. They all, or mostly all, have
too much of a puritnnical spirit about them; and expeet to bring that reformation abont by dint of police regulations, that would be more likely to be introduced and promoted ly a less officions system.
An Act was passed in 18is3, the 15 \& \(1 \%\) Vet. c. 67 (applicable to Seotland only), whith, among other things, gave the justices of the pence inerensed power ar the licensing of public houses, and adited considerably to the duties on licenses. Much discussion has taken place with respect to the real intluence of this very questionable measure, nnd there would seem to be no little exnggeration in the statements both of its opponents nad defenders. It has certainly reduced, though in a very arbitrary maner, the number of licensed taverns; and if the facilities for getting whisky or aught else be diminished, the chances are ten to one that its consumption will also he diminished. lint it is alleged that the diminution in tho number of public houses in Seotland is not renl, hut apparent only; and that while some have been l'fally shit up, an equal number have been surreptitiously opened, and that the latter are at the same time of a comparntively worthless deseription. Aud the convictions that have taken place of parties for selling spirits without licenses show that this statement has some foundation, and that in endenvouring to put down one form of abuse, we may introduce another and a much more dangerous one in its stead.

The better, as well as the more constitutional plan, would be to make an end of the system of interference. Why should not \(A\), or 13 , or \(C\) be entitled to onen a honse for the sale of spiritnous liquors, and be permitted to keep it open so long as he pays the license duty, and conducts his establishnient in an orderly and proper manner? To weaken the taste for liquor, let all sorts of cheap, interesting, and innoeent amusements be apen to the public. Toprohibit the sale of spirits on Sundays, and at the same time to shut up museums, purks, and public places, and to prevent as far as possible (as is done at Glasgow) all travelling by sen or land, is a contralictory as well as an oppressive policy; and wherever it is carried to the greatest extent, there the population is the most brutalised and debased.
It is not easy, since the equalisation of the duties, to obtain any nccurate information in regard to the consumption of spirits in any one of the great divisions of the empire. But though great in Scotland, it is not so very great as is commonly supposed. Spirits may be sent from one part of the United Kingdom to another under bond, under permit, or under certificate from the dealer's stock. In the first case the duty is not paid till the spirits are taken for consumption; whereas in the last two cases it is paid before the spirits are removed. And hence, unless we knew the quantity of spirits removed frem and brought into Scotland under permits and certificates, the

\section*{ST．UDE}
fuct of so many gallons having been charged in it with the consnuption duty，would not enable us to specify what the consumption really anomited to．Thus，in \(185 \%\) ，duty was pnid int Scotland on \(\mathrm{a}, 8: 3 \mathrm{i}, 037\) gnllons；but the Commis sloners of Inland Revenue，after making the pre－ viously mentioned allownonces，estimated the com－ sumption at only \(0,301,000\) gallons，this amount being，of course，exclusive of forcign spirits，and of all such British spirits as might have been ill gally brought finto consumption．

Eyualisation of the Duties on Spiritn．－It would require very cogent reasons to vindiente the policy of imposing diflerent duties on the same article ii the different divisions of the United Kinglom． And it was nupposea that in the ease of the fhaties on spirits，the sreater facilitles for illegal distil－ lation in Scotlnad and Ireland afforded a volid plat for the duties being less ju them than in Eugtnad．Though this may have been the cane formerly，the more perfect civilisatlon of buth countries has donbtless tended，in this respect，to nswimilate them more nud more to lingland． And there cannot，as we think，be a doubt of the expeliency of the recent equalisation of the duties， Ilut it does not，therefore，follow that 8 s．or 10s，per gnllon is a proper sum nt which to dix the genernl inty．We apprehend that either will be found to be too high，and that iwhile a lower duty would yield as large，or perhaps a larger revenu，it would do this withont stimulating dronkenness，by checking smargling and adul－ teration．

Trade in Spirits．－The old law， 6 Geo．IV． c． 80 ，as to rec．．fying，denling in，and retailing spirits las been repealed，nud the sipirits Act （ 23 d \(2 \cdot 1\) Vict．c．114）already referred to contains the present ragulations for the guidance of those connected with these branches of the business．

For the rerolations as to the importation se． of foreign spirits，and daties thereon，see laminmy， Genera，nad luys．

SI＇ONGE（Ger．schwnmm；Fr．éponge；Ital． spugna；Span．esponjn）．A soft，liglit，very porous，and compressible substance，readily im－ bibing water，and as readily giving it out again．

It is fuund athering to rocks，particularly in the Mediterrancan Sea，abont the islands of the Arehipelago．It was formerly supposed to be a vegetable production，but is now classed among the zouphytes；and amalysed，it yiellds the same principles as animal substances in genernl．The inluabitants in several of the Greek islnnls have heen trained from their infancy to dive for sponges． They ndhere firmly to the bottom，and are not detnched without a goon deal of trouble．The extrnordinary clearness of the water facilitates the operations of the divers．Smyrna is the great market for sponge．The price varies from 6 to 10 piastres per oke for ordinary and dirty；and from 80 to 100 pinstres per oke for fine and pieked specimens．Sponge is also fished for in the Red Sea．（Ure＇s Dictionury；Savary＇s Letters on Greece，Eng．ed．p． 109 ；and private communica－ tions．）

About 20 miles S．E．from Napoli di Romania （Nanplia），in the gulf of that name，is the small town of Cranidi，the inhabitants of which are the principal sponge－tishers of the Archipelago and Levant．The fishery is carried on partly by spear－ ing，and partly by diving：the later securing the sponge free from injury，which is not the case with the former．The Cranidiots are most expert divers， and anecdotes approaching to the marvellous are told of their feats．After the sponge is tished up， when perfectly free from sand，and dry，it is so very light that large pieces of it are moved with
the alightest breath of alr．It is customary，how． ever，to linpregnate it with sand．This ls donela． stringher the a punges together，and laying them on the sand to allow the ripple of the sea to shash them with the lluest particles．They aro then placed in heaps under piles of stones which pross them cloacly together，so that they become，when dry，hard and lhat，mad linve to be beatoo and wifted．Ilut though this be done，aud though they nre sometimes further watsed und sifterd，they will． thomgh apparently quite clonn，weigh thise or four tinies thetr oripinal welpht．It is，perhap， neelless to add that they are always solt by welght．
Sponge is used in surgery；nud for a varinty of purposes in the arts．It was formerly charime with a dinty of bid．per lb．，which was repanted in 1815．In is6ic，our inports and exports of sponge were respectrely \(9 x 0,269 \mathrm{Jb}\) ．and \(149,968 \mathrm{ib}^{\text {，}}\) valued nt \(86,201 l\) ．and 15,\(1 ; \operatorname{ll}\) ．
S（QULLL（Ger．meerawiebel；Fr，scille，oignon marin；Ital．scilla，cipolla marina；Span，celonla alharrama），or，ns it is nometimes denominatem， the Sea onion，is a plant with a large pear－shapel， bulbons root，which is the only part that is usel．

It grows spontancously on sanily shores in Spain and the Levant ；whence we are anmually supplied with the roots．They shonld be chosen larg． plump，fresh，and full of a clammy juico；some are of \(n\) brownish－red colour，and others white；hut no difference is observed in the qualities of the twi， sorts．The root is very nauscous，intensely litter， and acrid；mueh handled，it ulcerates the skin． The bulbs nre brought to England preserved fre⿻一⿻口卄日十 in sand．The acrimony of the roots，on which their virtue depends，is partially destroved by drying＇nnd long keeping，but if exposed readily recovers moisture．Squill is one of the most powerful and useful remedies in the materia medica．（British Pharmucopatia， 186 ； ；Lewis＇s Mat．Mred．；＇Thomson＇s Dispensatory．）
STADIE．A small city of Ilnnover，on the Schwinge， 22 miles W．by N．of Hamburg，lat． \(53^{\circ} 36^{\prime} 32^{\prime \prime}\) N．，long． \(9^{\circ} 28^{\prime} 34^{\prime \prime}\) E．\({ }^{\text {ºp }}\) ．（1894） 8，124．It has very little trade，and would be quite maworthy of notice in a work of this sort， except for the circumstance that a toll or daty， charged by the Government of IIanover（before it fell into the hanils of 1＇rassia），on coods con－ veyed up the lilbe to llamburg，whether for consumption or transit，usell to bo charged at the castle of Brunshnusen contiguous to this town．
All vesscls bound for IInmburg had to heare to （and those of some countries to anchor）in passing the guard－ship opposite to the castle，and send their papers，including nunifests，bills of lading， cockets \＆c．，on shore，that the duty，which was in general about 2 per cent，all valorem，might be computed from them．This being done，the shif was allowed to proceed，and the duty was paid at Ilnmburg．
On former occasions we expressed our surprise that an obstruction of this sort should have been tolerated fur so long a period．The duties fell henvily on certain deseriptions of goods；and werd， at an average，decidedly higher than the dutio charged in Itamburi．They were most objection－ nble，however，from their requiring many trouble－ some regulations to be complied with；the unin－ tentional deviation from uny one of which exposed the cargo to condiscation，mul never fniled to occasion a great deal of delay；trouble，and expense．As the principal part of the foreign trade of the Eabe was in our hands，we were，of course，principally affected by the Stade toll；and considering the source of the nuisance，it was not a little astonishing it should not have been abated Iong ago．The
r. It is customary, how. ith sand. This is doneloy rether, and laylog thera ripule of the sea tor xhish articles. They are then iles of stones which proms o that they lecome, when l have to tee beaten aud be done, aud though thiry ashed und siftecl, they will. to clean, weigh thice or I weight. It is, purhap. they are always soll by:
rgery, and for a varicty of It was formerly charipui (b), which was repaled in orts and exports of spong: ,2:9 lb. and 149,968 lb., B, 10.41 .
\%wicbel ; Fr. scille, oignon Ha marima; Span, celoblia sometimes denominatenl, t with a large pear-shapel, the only part that is asel.' sly on samdy shores in spain ce we are annually supplicel y should be chosen large, I a clammy juice ; some ate our, and others white; bat al in the qualities of the two y nauseous, intensely bitter, dled, it ulcerates the skin. to Dinglnnd preservel fred 1 ny of the roots, on which is partinlly deatroyed by oing, but if exposed readily squili is one of the most remedles in the materia armucopeia, 18 tif ; Lewis's \& Dispensutory.)
city of Janover, on the iv. by N. of Hamburg, lat. \(9^{\circ} 28^{\prime} 34^{\prime \prime}\) E. l'op. (1804) little trade, and would 'se ptice in a work of this sort, astance that a toll or daty; rnment of Ilanover (before of I'russia), on grods conto Hamburg, whether for it, used to be charged at nsen contiguous to this town. or Hamburg lasi to heare to untries to anchor) in passin! ite to the castle, and semit G manifests, bills of lading, ', that the duty, which wis r cent. all vnloren, might tre This being done, the ship d, and the duty was paid at
as we expressed our surpri.e this sort should have been - a periol. The duties fell crriptions of goods; and were, edly higher than the dutics They were most objectionheir requiring many troublee complied with; the uninon uny one of which exposed in, and never failed to occasion , trouble, and expense. Ay the foreign trade of the Etbe e were, of course, principally le toll; and considering the it was not a little astonishing been abated long ago. The

STARCII
sum which the Janoverian Government dorived from the duties was but trifling compared with the injury they intlicted on our trade; and we sage geted that the llitlsh (iovermment shomld buy an exemption from so vexathous n duty; as few things would tha more to extend our trade with llanburg than the completion of an ariangement of this sort.
Hy aungreement effected with I Ianover in 1814, the duties were reduced nad placed on na improved fowting; and Britlsh vessels, with those belonginis to countries having reciprocity treatles with Hanover, were no longer obllged to heave to in passing the guaril-shipat Ilrmishansen, but might provectidred to llamburg, and pay the dutles in the toll-ollee in that city. Still, however, this arangement was merely an improvement of what was in its nature incurnbly bad. Thls toll on the tille was an outrage on all commercial nations; and the precedent set by the abolition of the sound dues was followed, nnd the alifierent cons:ties which trade with IIamburg, liv a self-imposed contribution in proportion to the number of their ships engaged in the traile, at length bought it up.
it up. is is not enough that the Stade fatles have been abolished. All the duties imposed on the tratic carried an by the Elbe above IIamlurg ought, also, to be suppressed. This great highway should be open to the free use of those who may be inclined to avail themselves of the facilities which it affords for the importation and exportation of products into and from the centre of Europe. If is quite moustrous that it should be in the porer of the governments of petty states to shut in or encumber one of the principal channels of the trade of this quarter of the world. (For full details with respect to the Stade duty, see the Report of the Committee of the Ilouseof Commons on the subject, l'aper No. 429, Sept. 1858. Mr. Cunsul Ward in his last Report hollds out a hope of speedy abolition of the tolls in the Upper Elbe.)
stillCll (Ger, amidan; Fr. amidon; Ital. amoli, amito; Span. amidon, almidon; Russ. kinchmal). A substance obtained from veretables. It has a fine white colour, and is usunlly concreted in longish masses; it has scarcely any smell, and very little taste. When kept dry, it continues for a long time uninjured, thongh exposed to the air. It is insoluble in cold water; but combines with boiling water-forming with it \(a\) kind of jelly: It exists chicfly in the white and brittle parts of vegetables, particularly in tuberose roots, and the seeds of the gramineous plants. It may leextracted by pounding these parts, and acitating them in cold water; when the parenchyma or tibrous parts will tirst subside; and these being removed, a fine white powler diffused through the water will gradually subside, which is the starch. \(O_{i}\) the pounded or grated substance, as the roots of petatoes, ncorns, or horse chestnuts, for instance, may be put into a hair sieve, and the starch mashed through the cold water, Jeaving the grosser matter behind. Furinaceous sceds may be ground and treated in a similar manner. Oily sceds require to have the oil expressed from them before the farima is extracted. I'otato starch goes a goot deal further than wheat starch-a less (quantity of it sufficing to form a paste of equal thickness with water. It has a very perceptible crystallised appearance, and is apparently henvier than common starch. (Thomson's Chemistry; Ure's Dictinury.) Starch was charged, alown to 1834 , with an excise duty of \(3 f d\). per \(\mathrm{lb}_{\text {. ; }}\); but the injurious influence of the duty, the nett produce of which did nut exced 85,0001 ., having been forcibly pointed out by the Commissioners of Revemue Inquiry, it
was repenled in the course of the above year. In 183月, duty was palil on 8,\(0 ; 0,020 \mathrm{lb}\) latarch. Tho mamineture has since, however, been greatly extemiled. In 18ti7 we exported 14,965 ewt of starel., valued at 13,4681 .
Sl'A'IONELY. A term which is not very well detined; but which is now commonly understeond to designato the pens, lak, paper, wax, wafers, and other materina necessary to the writing of letters, including peu-knives, erasers de. Formerly the term had a wider sipnitiention, stationer anil bookseller being held to be symanymons. (Johmson, vore 'Stationer.') And hence it is that tha Sitationers' Company formorly comprised, and contimues to comprise, all the more eminent booksellers nad publishers of the metropolis. The name has 10 doultt been derlved from the stationes (stations) that were asslgoed in the forum nt IRomo to the vendurs of books, which were classed nmong the mercium vilissimarum. (I)ucange, vi. 715, voce 'Stationaril.')
Jlesides the vast quantities of slationery cansumed at home, ihe value of our exports amointed, in 1867, to \(013,60 \% 1\)., while our imports, ehielly of paper, were valued at 56.1 , dxil. [Papsit ; dc.]
The stationery for the Ilritish (iovermment is supplied by a peculiar department called the 'Stationery Ollice,' which has, also, the charge of the public priuting.
STLAM VENSELS (RLGULATION OF). Subjoined nre those pan.s of the Merehant Slipping Act of 1851 ( 17 \& 18 Vict. c. 104) and the Morchnat Shipping Act Ameniment Act of 1862 ( 25 \& \(21 i\) Vict. c. 63 ) which refer more especially to the regulation of steam navigation, and the lights \&c. to be carried by sen-goligg vessels.
Buard of Trade may appoint Inspectors.-The Board of Trade may frons time to time, whenever it seems expedient to them so to do, appohnt any person, as an inspector, to report to them upon the following matters (that is to say):-
(1) Upon the nnturo and canses of any accidert or damage which any ship has sustained or caused, or is alleged to have sustained or cansed:
(2) Whether the provisions of this Act, or any regulations made under or by virtue of this Act, havo been complied with:
(3) Whetlier the hull and machinery of any steam ship are sufficient and in good condition. (Sec. 14.)
Poucers of Inspcctors.- Every such inspector as aforesaid shall have the following powers (that is to say):-
(1) IIt may go on board any ship, and may inspect the snme or any part thereof, or any of the machinery, boats, equipments, or articles on board thereof to which the provisions of this Aet npply, not unnecessarily detnining or delaying her from procecding on nuy voyage:
(2) He mny enter and inspect any premises the entry or inspection of which nppears to him to be requisite for the purpose of the report which he is directed to make:
(3) lIe may, hy summons under his hand, require the attendance of all such persons as he thinks fit to call before him and exainine for such purpose, and may require answers or returns to any enquiries he thinks fit to make:
(1) Ile may require and enforce the production of all books, papers, or documents which he considers important for such purpose :
(5) He may administer oaths, or may, in licu of requiring or administering an oath, require every perion examined by him to make and subscribe a declaration of the truth of the statements made by him in his examination, (Sec.15.)

The Board of Trade have issued a Book of
masimetions to their murverors of ateam veasels muder the Merchant Shipping Act of ISi.l, par. 4. See also Ilegulations as to l'ussenger Ships. [1'asamengers.]

Allowance for Eingine Room in Steamers.-In every mhip jropelled by stean or other power requiring pogine room, all allowanco shall be made for the space occupied by the propelling pownr, and the amount mo alwwed shall be eledncted from the gross tomatigo of the shin aseertained as aforesaid, and tho remainder hati be deemed to the the registar tomunge of such ship: and such deduction shall be estimated as follows (that is to may):-
(a) To be ruteable in arelinary Steamers.-As, regards shlips projelled by pullle-wheets in which the tomage of the space solely oecupied by and nacessary for the proper workins of the bullers and machinery is above 20 jer cent. and under 30 per cent. of the gross tonnago of the ship, such deduction shall be ain \(^{-}\)of such gross tonnage; and iuships propelled ly serews in which the tomaze of such space is alowe 13 per cent. and under 20 per cent. of such gross tomnage, such deluetion shall be \(\frac{30}{100}\) of such gross tomage:
(2) In case of supurate Compurtments.-If in any ship in which the space ntoresaid is to be measured the engines and loilers are fitted in separate compartments, the contenty of ench shall be mensured severally in like manner, necordlug to the above rules, and the sum of their several results shall be deemed to be the tomage of the said space:
(3) Shaft Trunk of Screw Steamer.-In the case of screw steamers In which the apnce aforesnid is to be measured, the contents of the sliaft trunk shall be added to nud deemed to form part of such space, aml shall be ascertained by multiplylag together the menn length, breailin, nud depth of the trunk, and dividing the product by 100 :
(4) Alteration of Fugine Room,-If in any ship in which the space utoresaid is to be measured any alteration be made in the length or eapmeity of such space, or if any eabins be titted in such space, sneli ship shall be deemed to be a ship not registered until remeasurement:
(5) Penally for carrying Gools in such Space. -If in any ship in which the space aforesaid is to be measured any goods or stores are carried in such space, the master and owner shall ench be linble to a penalty not excceding 1001. (Sce. 23.)

Pouer to remeasure lingine Roms improperly extendel.-It' it appears to the Commissioners of Customs that in any steam ship measured before this Aet comes into operation store rooms or conl bunkers have been introdueed into or thrown across the engine room, so that the deduction from the tomare on accomnt of the engine room is larger than it ongrlt to be, the said Commissioners may, if they think tit, direct such engine room to be remeasured according to the rules in force before this Aet comes into oferation, excluding the space occupied by such store rooms or conl bunkers, or may, if the owners so desire, cause the slip to be remeasured according to the rules hereinbefore contained, and snbject to the conditions contained in the last preceding section; and after remeasurement, the eaid Commissioners shall cause the ship to be registered anew, or the registry thereof to be altered, as the case may require. (Sic. 28.)

Qfficers may be appointed and Regulations made for Measurement of Ships,-The Commissioners of Customs may, with the sanction of the Treasury, appoint such persons to superintend the survey and admeasurement of ships as they think fit; and
may, with the approval of the Jloard of Trule, minke such regulations for that purpose as may lea necesmary; and also, witl the like approval, miak such mudifications and alteruthon as from timas th dine become necounary in tho tonnage rulay herely preseribed, in order to the more acenate umil unifurm afplleation thereof, noll the eflectual carrying out of the principle of minensurment. therein udepted. (See. 29.)

13uill and Equipment of Steam Shipn,
Iron Stcutners to be aliviafed by weuter-tight Partitions.- The following rules shall bo ofservel with respect to the build of iron steam shipm (that Is to may: :-
(1) livery steam shilp bullt of iron, of 100 tons or upwards, the building of whieh eommenced nifer August 2s, Is lit, and ceery stemm ship buid of iron of less larden than lote tons, the buildins of which commenced after August 7 , \(10, i l\), (exerpt ships used nolely as stean tugs), what be divided by wubstantinl transverse water-light partitions, so lhat the fore part of the ship shand be separated from the engine roon by oun of such bartitions, and wo that the after part of such shij? shall be separated from the cogine room by another of sucli partitions:
(2) Evory steam ship built of iron, the luiding of whle commences atter the passing of this def, shall be divided ly such partitions as afuresail into not less than 3 equal parts, or as nearly so ay cirenustanees permit:
(3) In such last-mentioned ships each such partition as aforesnid shall be of equal stremgeth with the side plates of the ship with which it is in contuet:
(d) livery screw steam ship built of itnth, the building of which eommeneses after the pawints of this Act, slanll, in addition to the above patitions, be fitted with a small water-tight comparment inclosing the after-extremity of the shatt:

Offeers of Customs not to grant Certificatesexcept so dicialed.-And no officer of customs or other person shall grant a clearance or transire fer any trousteam ship required to be divided of dited is aforesaid, unless the same is so divided and fittel; and if any such ship attempts to ply or go to ea without such clearance or trausire, any such otlicer may detain her until whe is so divided and fitted; and if any steam ship hereinbefore to be so divided or titted plies or goes to sea withant being so divided or titted, the owner shall incora ponnlty not exceeding 1001, (Sec, 300.)
Eiquipment of Stecm Ships,-Stenms ships shall be provided as follows (that is to say) :-
(1) Saf"ty V'alve.-Every stenm slip of which a survey is hereby regnired shall be provided with a safety vulve upon 'ach boiler, so constructed as to be ant of the control of the engincer when the steam is up, and, if such valve is in addition th the ordinary valve, it shall be so constracted as to have an area not less and a preseure not greater than the aren of and pressure on that valve:
(2) Compasses to be adjusted.-Every sea-going stean ship employed to carry passengers daall have lier compasses properly adjusted from tine to time; such adjustment, in the case of shiph surveyed as hereinafter mentioned, to be made to the satisfaction of the slipwright surveyor, and according to such regulations as may be issued br the Board of Trade :
(3) Fire 1Iose.-Every sea-going steam ship (unless used solely as a steam tug) shall be ;ruvided with a hose adapted for the putpose of extinguishing flre in any part of the ship, and capable of being comected with the engines of the ship:
al of the loard of Trule, for that purpose ns may ho ith the like approval, make I alterathons as from time asary in the tomuage ruls order to the base necurit? on therenf, mod the eflectunt rimeiple of memeasmencas \(\therefore\), 29.)
ment of Steam Ships.
be dirided by wafir-tight whing rules shall be ofservell ild of iron steam ships (that
ip bullt of iron, of 100 tons ding of which commenowl , and every steam ship luilt than 100 tons, tho building ed after Angost 7, Winl, lely us steam tugs), shat be 1 transverse water-tight parre part of the whip shall be cngine room by one of such ot the after part of such ship from the engine room by tions:
hip built of iron, the huiling atter the passing of this dirt, such partitions ns aforesail ecpual parts, or as nearly so as t:
-mentioned ships each such d shall be of embal stitength of the ship with which it is
stenm ship built of itu, the ommeners after the pasing of lation to the above partitions, oall water-tight compartment extremity of the shntt: not to yruat Certificates except of oflicer of enstons or other a clearance or transire fer any uired to be divited or fitted is o same is so divided and fittet; p attempts to ply or go to sea rance or transire, any such her until whe is so dividel and stenm ship hereinbefore to be plies or roes to sca without fitted, the owner shall incur a fing 100\%. (Sec. 300.) cum Ships.-Stemm ships shall cows (that is to say) :-
e.-Every steam slip of whid reguired slall be provided with requch boiler, su constructed as patrol of the enfincer whan the f such ralve is in addition to , it shall be so constructed asto less and a preseure not greate: did pressure on that valve: - be adjusted.- Fvery sen-gnimp yed to carry passengers shall es properly aljusted from tine ustment, in the ease of shiss bafter mentioned, to be made to the shipwright surveror, and regulations as may be issued by - Wery sea-going steam slip as a steam tug) shall be frim in any part of the slip, and onnected with the cagines of the
(t) Sigmaln.- Berery sea-hoin: bteam Nhip einplayed to carry prasengers aboll he provile with the following means of making signals of dlatrens (that is to say): 12 blue lights or 12 port tires, and 1 comon with ammuntion for at lenst 12 charges, or in the diseretion of the manter or owner of nuch whij, whth such other means of making nignals (if any') as may have provionsly been approved by the Doarel of Trote:
(i) Sheltur for leck I'unsenyers,-livery home mate atram whip employed to carry passengers hy sa thall be provided with such iselter for the protection of deek passengers (if any) an the limatel of 'lrmile, having regord to the mature of the fanage, the mamber ot chek pasemgers to be carriet, the neason of the yoar, the natety of the ship, and the circumstances of the case, may porpuire: and if any ntean whip as roforadid plies or goes to nea from any port int the United Kimgom withont beloge sor provided as herembefore required, then for eash definalt in any of the above requisites the owner minll (if he appears to be in thult) incar a penalty not excerling looh., anct the manter shath (if he nppoars (u) be in fnult) incur a penalty not oxcecding; 001 . (Sec. 301. )
Penaltyfior improper Wicight on Sufity I'uler.-It any perwin places an madue welpht on the nafety ralve of any steam ship, or, in the case of steam dhips survered as herelmafter montloned, increases such weight beyond the limits fixed by such engineer surveyor as hercinatter mentioned, he whald, in odlition to my other liabilities he may incur by so doing, incur a peonalty not exceeding 1001. (Sce, 302.)

\section*{Surcey of Passenger Stpamers.}

Definition of 'I'usscmycrs' ant 'Passenger Stamer.-For the purpose of the ennetments herein contained with resject to nurvers and certificates of passeuger stemen whips, the word 'passengers' shall be held to inelude any person carricel in a steam whip, ot her than the master and (rew nad the owner, his family and nervants; und the expression 'passenger steamer' shall be held to include every British steam ship carrying pasengers to, from, or between any place or Haces in the United Khgrdom, exeepting steam tery boais working in chnins, eommonly enlled steam bridges. (Sec, 303.) [1'Assixiciens.].
Passenger Stcamers to be surveyed.- livery passenger steamer shall be surveyed twice at the lenst in each year in manner hereinafter mentiwned. (Sce. 301.)
Board of Trade to appoint Sureeyors, and fix their Remuneration.- l'he Board of Trade may from time to time appoint such mmber of tit and proper persons to be shipwright surveyors and elginecr surveyors for the purposes of this Aet at such ports or places as it thinks proper, and may alse appoint a surveyor-reneral for the United Kingtom, nad may from time to time remove sude surveyurs or any of them, and may from time to time fix and alter the rates of remuneration to be receivel by such surveyors. (See. 305.)
Surrcyors to have Power to inspect. - It shall be lawful lor the snid surveyors in the execution of their duties to go on board any steam ships at all reasonable times, and to inspect the same or anypart thercof, or any of the machinery, bonts, equipments, or articles on board thereof, or any certiticates of the master or mate to which the provisions of this Act or any of the regulations to be made by virtue thereof apply, not unnecessarily detaining or delaying the ship from proceeding on any veyage, and if in consequence of any accident to any such sbip or for any other reason they
consiter it necepsary so to do, to require the whip to be taken into dock for the porpose of warvey ing the hull thereof; mid any persum who himers nus and norveyor froms golng on banal any much ateam ship, or otherwiad imperden him in tho extecution of his duty unter this det, whall herur a

307. Board of Trude to regulute Monte of mokime Surreys.-'llw mall surveyors mall excente their duthes under then tirection of the Ihard of 'Imote, and mu-h lhard shall make regulations as to the manure in which the surveys hereinafter mene thaned whall be mado, amb as to the notice to hat given to the surveyors when surveysare requireal, and ns to the ams int and payment of any travelling or other exjenang limarred by such surveyors In the execotion of their intien, and may theredy determine the pernme by whom mid the comitions umder which mbeh payment slinll lo mado.
l'enclty on Surergors receiving thes milaw-fully,-bivery surveyor who demands or receives diretety or indireetly from the owner or mater of my ship surveyed by him under the provisions of this Aet any fie or remuneration whanever for or ha respect of nuch survey, otherwise than as the oflecer and by the direction of tho lhard of 'Iralle, shall ineur a pemalty not exceding 601. (sece, : bus.)
Ouners to huse Surveys mude by Nhipuright and Singincer Survegors, und Surreyors to yive le:-clurutions.-The owner of every passenfrerstenmer slabll canse the same to be surveyed at the times herebinater directed by one of the maid shipwright surveyors and by one of the said enfineer marveyors so appointed as aforesaid; wuch shipwright surveyor being, in the case of icom stemmers, a person who is, in the judgment of the lowarl of Trade, properly qualiled to survey such ships; and such surveyors shall thereupon, if satisthed that they ean with propriety do so, give to such owner dedarations as follows.

The declaration of the shipwrightsurveyor shall eontain statements of the following jarticulars (that is to say) :-
(1) That the lunl of the ship is sufficient for the service intended, and in grood condition:
(2) That the partitions, buats, life buoys, lights, signals, compasses, and sholter for deek passenyers, and the certiticates of the master mud mate or mates, are such, and in such condition, as recuired by this Act:
(3) The time (if less than 6 months) for which the sald hull and equipments will be sullicient:
(t) The limits (if any) beyond which, ns regards the hull and equipments, tho ship, is, in the surveyor's julgment, not tit to ply :
(5) The mmber of passengers which the ship is, in the juigment of the surveyor, tit to carry, distinguishing, if necessary, between the respective numbers to be carried on the deek and ir. the cabins, and in different parts of tho deek and cabins; snch numbers to be subject to such conditions and variatious, accordiug to the time of year, the hature of the voyage, the cargo carried, or other circunstances, as the case requires.

And the declaration of the engineer surveyor shall contain statements of the following particulars (that is to say):
(1) That the machinery of tho ship is sufficient for tho service intended, and in good condition:
(2) The time (if less than 6 months) tor which such machinery will be sutficient :
(3) 'That the safety valves and fire hose are such and in such condition as are required by this Act :
(4) The limits of the weight to be placed on the safety valves:
(5) The limits (if any) beyond which, as re-
gards the machinery, the ship is, in the surveyor's jidgment, not tit to ply:
And such declarations shall be in such form as the loard of Trade direets, (See. 309.)

Transmission of Declaratinns to Board of Trade. Pesulty for Delay.-The said owner shall transmit such declaratious to the Hoard of 'Trade within 14 days alter the dates of the receipt thereof respectively, and in default shall forfeit a sum not excecding 10s. for every day that the sending of such declarations is delayed; and such sum shall be paid upon the delivel \(y\) of the certificate hereinafter mentioned, in addition to the fee payable for the same. and shall be applied in the same matiner as such fees. (Sec. 310.)

Times appoiated for Surreys and Transmission of Declarations,-In all cases where it is possible the said hulf-yearly surveys shail be made in the nonths of April and of Uetober, and the declarations shall be transmi:ted on or before April 30 and Oetober 31 respectively; but if the owner of any passenger steamer is uuable to have the same surveyed in the month of April or October (as the case may be), either by reason of such ship being absent from the United Kingdon. during the whole of those periods respectivety, or by reason of such ship or the machinery thereof being under construction or repair, or of such ship being laid up in dock, or for any other reason satisfactory to the Board of Trade, then he shall have the same surveyed as aforesaid as soon thereafter as possible, and slall transmit such declarntions to the Board of 'lrade within 14 days after the receipt thereof, together with a ecatement of the reasons which have prevented the survey of such ship at the time hereinbefore prescribed, and shall, in case of delay in transmitiing the declarations, be liable to a forfeiture similar to that inentioned in the last preceding ser:tion. (Sec. 311.)

Beard of Trade to issut Certificates,-Upon the receipt of suel declarations the Board of Trade shall, if satistied that the provisions of the fourth part of this Aet have been complied with, eause a certificate in duplicate to be prepared and issued, to the effect that the provisions of the law with respect to the survey of the ship and the transmission of declarations in respect thereof have been coruplied with; and auch certificate shall stente the limits (if any) beyond which, according to the declaration of the surveyors, such ship is not fit to ply, and shall also contuin a statement of the number of passengers which, aecording to the declaration of the shipwright surveyor, such ship is tit to earry, distinguishing (if necessary) between the respective numbers to be carried on the deek and in the cabins and in different parts of the deek and eabins, such number to be sulject to such conditions and variations according to the time of year, the nature of the voynge, the cargo carricd, and other circumstances, as the ease requires. (Sec. 312.)

Issue and Transmission of Certificates,-The Board of Trade shall transmit such duplicate certiticate to the shipping master or to some other public officer at such port as the owner may mention for the purpose, or at the port where the owner or his sgent resides or where the ship was wurveyed and is for the time being lying, and shall cause notice of such transmission to be given by post or otherwise to the master or owner or his agent; and the said shipping master or ofticer shall deliver such duplicate certilicate to the said owner, master, or agent, on his applying and paying the fees and other sums (if any) herein mentioned as payable in that behalf: and in proving the due issue and transmission to the owner, agent, or master of such certificate, it shall
be suffieient to show that the same has iueen duly received by such shipping master or public oftices as aforesaid, and . .at due notice of the transmission thereof to such shipping master or officer has been given to such owner, master, or ageat. (Sec. 313.)
Fees to be paid for 1 irtificates.-The owner of every passenger steamer requiring a eertiticate under the fourth part of this Act, shall pay for every certilleate granted by the lloart of Irrade such fees as such Board directs, not exceeding the fees mentioned in the Tuble marked \(T\), in the schedule hereto. (Sec. 314.)
How long Certificates to continue in force, \(-\mathrm{N}_{0}\) certificate shall be held to be in force for the purposes of the fourth part of this Aet beyond the date fixed by the Board of Trade for the expiration thereof; and :is certificate shall be in force after notice is given by the Board of Trade to the owner, agent, or master of the ship to which the same relates, that such Board has cancelled or ruvoked the same: providel, that if any passeager steamer is absent from the United Kinrdum at the time when har certificate expires, no penalty shall be incurred for the want of a certificate until she first begins to ply with passengers after her next subsequent. return to the United Kingdom; and the Board of Trade may require any cortilicat which has expired, or has been revoked or cancelled, to be delivered up as it directs; and say owner or niaster who, without reasonable caise, neglects or refuses to comply with such requirement, shall incur a penalty not excepdiag 101. (Sec. 315.)
Board of Trade may cancel Certificates and require fresh Declarutions,-The Board of Trade muy revoke and cancel such certiticates, in any case in which it has reason to believe-
(1) That the declarations of the sufficiency ald good condition of the hull, equipments, and machinery of any passenger steamer, or either of them, have been fraudulently or erroneously made; or,
(2) That such certificate has otherwise bren issued upon finlse or erroneous information; or,
(3) That since the making of such declarations the hull, equipments, or machinery of such ship have sustained any injury, or are otherwise insufficient:

And in every such ense the Board of Trade may; if it thinks fit, require the oviner to have the hull equipments, or machinery of such ship agaiu surveved, and to transmit a further declaration a declarations of the sufficieney and good condition thereof, before re-issuing any certiticate or granting a fresh one in lieu thereof. (Sec. 316.)

Copy of Certificate to be placed in conspicuous part of Ship.- The owner or master of every passenger steainer shall forthwith, on the transmissin of nany such certificate as aforesaid to him or his agent, eause one of the duplicates thereof so transmitted to be put up in some conspicuous part of the ship, so as to be visible to all persons on board the same, and shall cause it to be continued so put up so long as such certificate remains in force and such ship is in use; and indefault such owner or master shall for every offence incur a penalty not excceding 101. (Sec. 317.)

Ship not to proceed on her Voyoge without Certificute. - It shall not be lawfil for any passenget steamer to proceed to sea or upon any yoyage or excursion with any pascengers on board, unless the owrer thercof has transmitted to the Board of Trade the declarations hereinbefore required, nor unless the owner or master thereof has received irom such Board such a certificate as bereinbefore provided for, such certificate being
the same has veen duly ng master or public officer due notice of the transshipping master or officer h owiser, master, or agent.
rrtificates.-The ownet of er requiring a certificate of this Aet, shall pay for ed by the loard of Trate 1 lirects, not exceeding the Table marked T. in the 314.) s to continue in force. -No 1 to be \(i_{1}\) force lor the purrt of this Act beyond the 1 of Trade for the expiration? ieate shall be in force after he Board of Trade to the er of the ship to which the ech Board has cancelled or svided, that if any passenger m the United Kingdom at rtificute expires, no penalty he want of a certiticate until y with passengers after her in to the United Kingdom; de may require any ecrtilicat? or has been revoked or carup as it directs; and any o, without reasonable causé, o comply with such requirepenalty not excerding 101 .
may cancel Certificates and utions.-The bourd of Trade weel such certiticates, in any reason to believearatious of the sufficieney and ie hull, equipments, and masenger steamer, or either of dulently or erroneously made;
rtificate has otherwise brea erroncous information; or, e making of such declarations s, or machinery of such ship injury, or are otherwise ili-
case the Board of Trade mar; case the Board of Trade may,
re the owner to have the hull, he thery of sueh ship again sursmit a further declaration or utficiency and good condition uing any certiticate or granting hereof. (Sec. 316.)
te to be placed in conspicuous owner or master of every pasforthwith, on the transmissian fate as aforesaid to him or his he duplicates thereof so tratho in some conspicuons part of visible to all persuns on boart 1 cause it to be continued so uch certificate remains in force ise; and in default such owner ise; and in dence incur a penalty (Sec. 317.)
cd on her Voyoge without Cerot be lawful for any passeugcr to sea or upon any voyage or - passengers on board, unless has transmitted to the Board has rations hereinbefere required, her or master thereof has reBoard such a certificate as led for, such certificate being
a certificate applicable to the voyage or excursion on which such ship is about to proceed; and no officer of customs shall grant any clearance or transire for any passenger steamer unless upon the production of such certifleate as aforesaid (being a certificate then in force and appli cable as aforesaid); and if any passenger steamer attempts to ply or go to sea without such production, any such olfieer may detain her until such certificate is produced; and if any passenger stamer plies or goes to sea with any passengers oa board, without having one of the duplicates of such certificate as aforesaid (iviico a certitleato then in foree, and applicable as aforesaid), so put up as aforesaid in some conspicuous part of the ship the owner thereof slall for such oflence incur a penalty not exceeding \(100 l\)., and the master of such ship shall also incur a further penalty not exceeding 20l. (See. 318.)
Penalty for carrying Passengers in Excess of , Numbers specified in Certificate.-If the owner or master or other person in charge of any passenger steamer receives on board thereof or on or in any part thereof, or if such ship has on board therevf or on or in any part thereof, any number of \(p\) sengers which, having regard to the time, occasion, and circumstances of the casc, is greater than the number of passengers allowed by the certificate, the owner or master shall incur a pualty aot exceeding 20l., and also an adititional peaalty not exceeding \(\bar{\delta} s\). for every passenger over and above the number allowed by the certiticate, or, if the fare of any of the passengers on boand exceeds 5s., not exceeding double the amount of the fares of all the passengers who are orer and above the number so allowed as aforesidd, such fares to be estimated at the highest rate of fare payable by any passenger 0:1 board. (Scc. 319.)
Forgery of Declaration or Certificate a Mis-demeanor.-Every person who knowincly and wilfully makes or assists in making or procures to be made a false or fraudulent declaration or certificute with respect to any prassenger steamer ryuiring a certificate under the fourth part of this Act, or who forges, assists in forging, or procures to be forged, fraudulently alters, assists in frauduleatly altering, or procures to be frauduleutly altered, any declaration or certificate required by the fourth part of this Aet, or any words or figures in any such decluration or certiticate, or any signature thereto, shall be deemed guilty of a misdemeanor. (Sec. 320.)
Surreyors to make Returns of the Build and other Particulars of Stean Ships, and Owners und Masters to give Information for that purpose. -The said surveyors shall from time to tims make such returus to the Board of Trade as it requires with respect to the build, dimensions, draught, burden, rate of asiling, room for fuel, and the nature and particulars of machinery and equipments of the ships surveyed by them; and cyery owner, master, and engineer of any such ship shall, on demand, give to such surveyors all such information and assistance within his power as they require for the purpose of such returns; and every such owner, master, or engineer who, on being applied to for that purpose, wilfully refuses or neglects to give such information or assistance, sha'l be liable to a penalty not exceeding \(5 l\).

Misconduct by Passengers in Steamers.
Penalties on Persons forving uray on board, or refusing to quit the Ship.-The following offenders, that is to say-
(1) Any person who, after laving been refused almission into any steamer by the owner or
person in charge thereof or by any person in the employ of the owner thereof, on account of such steamer being full, and after having had the full amount of his fare (if he has paid the same) returned or tender al to him, nevertheless persist.s in attempting to eater the same; and
(2) Any person, having got on board any steamer, who, upon being requested on the like acconnt by the owner or person in charge thereof or by any person in the empluy of the owner, to leave such steamer before the samo has quitted the place at which such persou got on boaril, and upon having the full amonut of his fare (if ine has paid the same) returned or tendered to him, refuses to eomply with such request;
Shall for each such offence insur a penalty not exceeding 40 s. , to be paid to the said owner. ( Sec. 322.)

Ienolty on atoiding Payment of Farcs.-Tho following offenders, that is to suy --
(1) Any person who travels or attempts to travel in any passenger steamer which has been duly surveyed in conformity with the provisions of this Act, without having previously paid his fare, and with intent to avoid payment thereof; and
(2) Any person who, having paid his fare for a certain distance, knowingly and wilfuily proceeds in any such steamer beyond such distance, without previonsly paying the additional fare for the additional distance, and with intent to avoid payment thereof; and
(3) Any person who knowingly and wilfully refuses or neglects, on arriving at the point to which he has paid his fare, to quit any such steamer;
Shall for every such offence incur a penalty not exceeding 5 s., in addition to the fare payable by lim, such penalty to be payable to the owner of such steamer. (Sec. 323.)
Penalty on Persoms refusing to give their Name and Address.-Fivery person who, having committed any of the offences mentioned in the two last preceding sections or either of them, refuses, on application of the master of the ship or of my other pet on in the employ of the owner thereof, to give lis name and address, or who on such apptication gives a false nume or address, shall incur a penalty not exceeding 20l., to be paid to the said owner. (Sec. 324.)
Power to refuse or remove Passengers who are drunk or misconduct themselves.-The master of any home trade passenger steam ship may refuse to receive on board thereof any person who by reason of drunkeaness or otherwise is in such a state, or misconducts hinself in such a manner, as to cause ammoyance to other passengers on board, or, if such person is on board, may put him on shore at any convenient place; and no person so refused nelmittance or put on shore shall be entitled to the return of any fare he may have paid. (Sec. 325.)

\section*{Accideuts.}

Accidents to Sterm Ships to be reported to Buard of T'ade. - Whenever any steam ship has sustaiued or cansed any accident occasioning loss of life or any scrious injury to any person, or has received any material damage aflecting her seaworthiness or her efficiency cither in her hitll or in any part of her machinery, the owner or master shall, within 24 hours after the happeningr of such accident or clamage, or as soon thereafter as possible, send to the Board of Trate, by letter signed by such owner or master, a report of such necident or damage, and of the probable occasion thereof, stating the name of the ship, the port to which she belongs, and the place where she is;

\section*{STETTIN}
and if such owner or master neglect so to do, he shall for such offenco lacur a penalty not exceeding 50l. (See. 326.)
Notice to be given of apprehended Loss of Steam Ships.-If the owner of any steam ship hatve reason, owing to the non-appearance of such slip or to any other circumstance, to apprehend that such ship has been wholly lost, he shall as som as conveniently may be send notice thereof in like manner to the Board of Trade; and if he neglect so to do within a reasonable time, he shall for such offence incur a peralty not exceeding \(50 l\). (Scc. 327.)

Collisions to be entered in Official Log.—In every case of collision, in whieh it is practicable so to do, the master shall immediately after the occurrence cause a statement thereof, and of the circumstances under which the same occurred, to be entered in the official log book (if nay), such entry to be signed by the master, and also by the mato or one of the crew, and in defant shall ineur a penalty not exceeding 20l. (Sec. 328.) [COLL1310N.]

\section*{Carrying dangerous Goods.}

Provisions to prevcat the taking dangerous Goods on board without due Notice.-No person shall be entitled to earry in any ship, or to require the master or owner of any ship to carry therein, any aquafortis, oil of vitriol, gunpowier, or any other goods which, in the judgment of such master or owner, are of a dangerous nature; and if any person carries or sends by any ship any goods of a dangerons nature rithout distinctly marking their nature on the outside of the packnge containing the same, or otherwise giving notice in writing to the master or owner at or before the time of carrying or sending the same to be shipped, he shall for every such offence incur a penslty not exceeding 100l.; and the master or owner of any ship may refuse to take on board any parcel that he suspects to contain goods of a dangerous nature, and may require them to be opened to ascertain the fact. (See. 329.)

\section*{Certificates for Engineers (Part III. of Merchaut Shipping Act, 1854).}

Steam Ships to carry Certificated Engineers.On and after June 1, 1863, every steam ship which is required by the principal Act to have a master possessing a certificate from the Board of Tracle shall also have an engineer or engineers possessing a certificate or certificates from the Board of Trade as follows (that is to say):-
(1) Engineers' eertificates shall be of two grades, viz. 'first-class engincer's certificates,' and 'secondclass engineer's certificates ':
(2) Evcry foreign-going steam ship of 100 nominal horse power or upwards shall have as its first and se ond engineers 2 certiticated engineers, the first possessing a 'first-class engineer's certificate, and the second possessing a 'seeond-class engineer's certificate' or a certificate of the higher grade:
(3) Every foreign-going steam ship of less than 100 nominal horse power shall have as its only or first engineer an engineer possessing a 'secondclass engineer's certificate 'or a certificate of the higher grade:
(4) Every sea-going home trade passenger steam ship shall have as its only or first engineer an engineer possessing a 'second-class engineer's certificate' or a certificate of the higher grade:
(5) Every person who, having been engaged to serve in any of the above capacities in any such steam ship as aforesaid, goes to sea in that capacity without being at the time entitled to and possessed
such certificate as is required by this section, and every person who employs any person in any
of the above capacities in such ship without of the above capacities in sueh ship without
ascertaining that he is at the time entitled to and possessed of such eertiticato as is required by this seetion, shall for each such offence ineur a penalty not exceeding 501 . ( 25 \& 26 Vict, c. 63 s. 5.) [Passengers ; Seamen ; Shibping.]

STEEL (Fr. acier ; Ger. stahl ; ltal. acciajo: Lat, chalybs; Russ, stal ; Span, aecro; Swed. stal) is iron combined with a small portion of carbon, and has been, for that reason, called enrburetted iron. The proportion of earlon has ant been ascertained with much preeision. It is supposed to amount, ant an average, to \(\frac{1}{2 \pi}\). Steel is so hard as to be unmalleable while coid; or at least it acquires that property by being immersed, while ignited, in a cold liquid: for this immersion, though it has no effect ujon iron, adds greatly to the hardness of steel, it is brittle, resists the file, euts glass, affords sparks with flint, aud retains the magnetie virtue for any length of time. It loges this hardness by being ignited, and cooled very slowly. It is malleable when red hot, but searcely so when raised to a white heat. It may be hammered out iuto much thinner plates than iron. It is more sonorons; and its specific gravit: when hammered is greate than that of iron-varying from 7.78 to \(\overline{\text { i }} \mathrm{zl}\). Steel is usually divided into 3 sorts, according to the method in which it is prepared; as natural steel, stcel of cementation, and cast stecl. The latter is the most valuabie of all, as its texture is the most eompact, and it admits of the finest polish. It is used for razors, surgeons' instruments, and similar purposes. Steel is chiefly employed in the manufacture of swords, knives, and cuting instruments of all sorts used \(i_{1}\) the arts; for which it is peeuliarly adapted by its hardness, and the fineness of the edge which may be given to it. We imported from Sweden in 1867, exclusive of manufactured articles, 4,656 tens of unwrought steel, valued at \(69,042 l\). (Thomson's Chemistry; see also Ure's Dictionary by hunt.) [Iron.
STETYTIN. A city of Prussia, on the left bank of the Oder, about 36 miles from its mouth, in lat. \(53^{\circ} 25^{\prime} 8^{\prime \prime}\) N., long. \(14^{\circ} 34^{\prime} \mathrm{E}\). It is well built, strongly fortitied, and had in 1867 a population, including military, of \(\mathbf{7 3 , 5 8 1}\).
Stettin is the seat of an extensive and growing commerce. She owes this distinction maialy to her situation. The Oder, which flows through the eentre of the Prussian dominions, is navigable as far as Ratibor, near the extreme southern boundary of Prussian Silesia, and is united by means of canals with the Vistula, the Elbe, the Spree \&c. Stettin is, consequently, the pincipal emporium of some very extensive and flourishing countries; being not only the port of Frannifort-on-the-Oder, Breslau \&ce, but also of Berlin, She is also the ceutre of an exionsive system of railways, communicating with Berlin and the west parts of Germany on the one hand, and on the other with Posen, Bromberg, and Danuic. Hence, at the proper seasons, her wharves lite crowded with lighters that bring down the proluce of the different countries traversed by the river, and bring baek colonial products, and other articles of foreign growth and manufaeture. Vessels of considerable burden, or those drawing above 7 or 8 feet water, load and unloud, by means of lighters, at the mouth of the river, at Swinemunde, the outport of Stettin, on the east coast of the isle of Usedom, in lat. \(53^{\circ} 55^{\prime} \mathrm{N}\)., loug. \(14^{\circ} 15^{\prime} 15^{\prime \prime}\) E. Formerly ihere were not more than 7 feet water over the bar adjacent to Srine-
is required by this section, employs any person in aly ties in such ship withou \(s\) at the time entitied to snd rtiticate as is required by or each sneh offence incur eding 50l. (25 \& 26 Vict. ehs ; Seamen ; Smpring.] ; Ger. stahl ; ltal. acciajo: stal ; Span. acere; Swed. ed with a small portion it , for that renson, culled carproportion of carbon has dot ith much precision. It is it, at an average, to 1 . , be unmalleable white cold; res that propert by being nited, in a cold liquid: for ough it has no effect upon the hardness of steel. it is le, cuts glass, affords sparks is the magnetic virtue for any loses this hardness by beins very slowly. lt is malleable scarcely so when raised to a be hammered out into much iron. It is mose somorons; it: when hammered is greater - varying from 7.78 to 7 'sl. ided into 3 sorts, according to ich it is prepared; as natural entation, and cast steel. The aluabie of all, as its texture is , and it admits of the finest or razors, surgeons' instruments, ;es. Steel is chiefly employed of swords, knives, and cuting I sorts used in the arts; for arly adapted by its hardness, the edge which may be civen ed from Sweden in 1867, exactured articles, 4,656 tens of ralned at 69,042l. (Thomson's so Ure's Dictionary by liunt.)
kity of Prussia, on the left bank 36 miles from its mouth, in lat. g. \(14^{\circ} 34^{\prime} \mathrm{E}\). It is well built, and had in 1867 a population, , of 73,581 .
at of an extensive and growing owes this distinction mainly to e Oder, which flows through the sian dominions, is navigable as ir the extreme southem boundsilesia, and is united by means e Vistula, the Eibe, the Spree consequently, the principal emvery extensive and flourishing not only the port of Franisiorslau \&c., but also of Berlin. centre of an exinnsive srstem hunicating with Berlia and the many on the one hand, and on Posen, Bromberg, and Danuie. roper scasons, her wharves are biters that bring down the prorent countries triversed by the ack colonial products, and other rn growth and manufacture. erable burden, or thase drawiag Nater, load and unloud, by means e mouth of the river, at Swine ort of Stettin, on the east coast etom, in lat. \(53^{\circ} 55^{\prime} \mathrm{N}\). , loug. Formerly there were not mone over the bar adjacent to SFine-
munde ; but the harbour of the latter has recently been so much improved by the construction of piers and breakwaters, dredging \&e., that it is now the best on the l'rissian const, and ndmits vessels drawing from 18 to 19 feet water. \(A\) lighthouse has been erected at the extremity of the eastern pier, in \(53^{\circ} 56^{\prime} \mathrm{N}\). lat. and \(1.1^{\circ} 17^{\prime}\) E. long., visible 10 miles off; and there is mother (risible for 21 miles) situated a roile and it hnif south of the Mole Light. There are also two lisht-ships between Swinemunde and Stettin. stettin is \(\pi\) free port; that is, \(\pi\) port into and from which all sorts of goorls my be imported and re-exported free of duty. Cioods brougnt through the Sound, imported nt Stettin, and entered for home consumpition in the l'russian \(\because\) fes, used to be charged with \(2 \frac{1}{2}\) per cent. less duty than if they had been imported through any other channel. This was intended to reimburse the merchant for the Sound lluties, and to engnurage importation by this direct ronte in preference to that carried on througb IIamburg nnd Embden; but as the Sound duties have been abolished, it is probable that goods imperted at Siettin will no longer eojoy this preference. There is a grent wool fair in the montil of June each year.
Moneys, Weights, and Measures, same as at Dastzic. The Bank of Berlin has a branch at Stettin, and there are also insurance offices.
Imports and Exports.- The prineipnl articles of import at Stettin are sugar, eoffee, dye-wools, wine, iron, and hardware, oil, tallow, cotton and conton goods. herrings, spirits, linseed, coal, salt \&c. The principal exports are corn, especially wheat; spirits, sceds, spelter, timber \&c.
Shipping Dues.-In 1863, the shipping dues were considerably recuuced, viz. the sea dues \(3 i \mathrm{per}\) cent., and the river hes 25 per cent.
On December 1, 1867, a still grenter reduction took place; the dues to be levied on and from that day being fixed by a royal ediet, as fullows:-

Sea Dues for all Vessels entcring and leaving the Harbour of Swinemunde.


River Ducs.-The river dues for ressels navignting the Swine, Pcene, and Divenow, and the llaff-consequently for all vessels vroceeding from Swincmunde to Stettin, and from Stettin to Swinemunde-which amounted to 1 groseloen and \(\frac{1}{2}\) groschen per last, are abolished.
The present rate of 4 grosehen per last would be about 26 s .8 d . per 100 reg . tons.
Vessels above 40 lasts burden have alse to pay 9 niennige per last-about 53. per 100 reg. tonsfor port charges at Stettin.
By snother royal decree, which came into operation on March 1, 1868-
1. Vessels under 40 lasts are to pay one-half of the dues levied on vessels above that burden, i.e. 2 groschen and 1 groschen.
2. Vessels with cargoes consisting entirely of coals, coke, turf, slates, tiles, bricks, paving and quarry stones, granite, limestone, gypsum, chalk, clay, sand, raw sulphur, or salt, to be charged the same ss vessels in bailast, viz. 2 groschen per last.
3, No dues to be levied :-
(a) On vessels in ballast that enter the harbour of Swinemunde in search of freight, and leave it in ballast.
(b) On vessels that enter the harbour to receive orlders and leave it without either discharting or taking in eargo. 4. Vessels nhove 10 lasts proceeding directly betwen any of the tollowing ports, viz. Swinemunde. Coibergermunde, Stolpmunde, Rugenwalde, Dantric, and Neufalirwasser, nre exempted from the entrance dues of the harbour to which they are bound.
As the river dues are now abolished, and the sea dues reduced 50 per sent., nul vessels with eargoes of coals pay the anme dues as vessels in ballast, and as almost all the l3ritish vessels that discharce at Swinemmale arrive at that jort with coals and lave in ballast, the reduced ciarges for such vessels will amount to 6tid per cent., and for vessels bound to Stettin, with other cargoes than coals, slates \&c., to 55 , per cent.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{6}{|c|}{Pilotage.} \\
\hline \multirow[t]{4}{*}{From Stettin to Swinemande Swinemunde to Stettin} & up to & \multicolumn{4}{|r|}{10 lasts, 2 r. dols.} \\
\hline & from 11 & to 20 & & 3 & \\
\hline & 21 & , 31 & " & 3.3 & " \\
\hline & 31 & \(\because{ }^{\square} 1.50\) & " & 4 & " \\
\hline upwards, for cacit 10 las & dollar & & & & \\
\hline
\end{tabular}

Ships of more than 150 lasts burden to pay the same dues as those of \(14 i\) to 150 lasts.
Stettin is one of the principal slipping ports in the Prussian dominions, and is connected with Berlin by railway. See also Dantzic.
Port Regulations.-All vessels are prohibited entering Swinemunde unless forced by stress of weather, without previously heaving to for, and receiving a pilot on board. But when compelled to enter without a pilot, the master is to observe the signnls made from the bencon crected on the eastern and western moles as follows:-

\section*{Notice.}
1. When pilots cannot put to sea, and captains of ships are nevertheless resolved to enter the harbour, a red flag will be hoisted on the direction beacon of the eastern moic.
2. The captains will then steer until they find themselves E.E. by S. on the compass, from the lighthouse placed on the utmost point of the enst mole, taking care to keep the outermost great white buoy, situnte on the end of the western ground in a depth of 16 feet, on .. te starboard, and the next black buoy, in an oblique line towards the lighthouse, on the larboard.
3. In that situation of the vessel the two new beacons cover themselves in the direction of S.S.E., and in this course, keeping the two beacons completely covered, the capt.ins sail into the port up to the second landing berth of the castern moie, four cables' length beyond the lighthouse, keeping off the mole half a cable's length.
4. At that plnee, the captains, taking care to remain a little South, are expected by the pilots to go on boarl of their vessels.
5. On entering the port all the white baoys are to remain on the starboard side of the vessel (see 2).
6. For facilitating the finding and keeping the directions given in this instruction in case the buoys should have been removed by sea, or taken up on necount of the alvanced season, signals will be given with a red flag from the direetion beacon on the eastern mole.
7. The captains must follow the signals in so far as to steer to that part where the flag is hoisted perpendicalarly.
8. Should there be no pilot at sea, and no flag hoisted on the beckoning beacon, the captains must not attempt to enter the port at all, but either anclor in the roads or remain at sea.

Siliping and Navigation.
Account of the Number, Tonnage S.c. of' British Vessels arrived at Stettin and Swinemunde in 1860 and 180 7 .


Account of the Mercantile Marine of the Province of Pomerania on January 1, 1868, distinguishing Steamers from Saihng Vessels, aul Sea-going from River and Cousting Craft, stating Tonnage of each in Prussian Liests, und contrusting the Amount of the sume with the Amounts on January !, 1859 and 1867.


Account of the Number and Tonnage, in Prussian |grest articles of export from Stettin tie com, Iasts, of all Sea-going Vessels, except Coasting Craft, entered at Swinemunde in 1865 and 1866.
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Nationality} & \multicolumn{2}{|r|}{1865} & \multicolumn{2}{|r|}{1 666} \\
\hline & \[
\begin{gathered}
\text { Number } \\
\text { of ofsels }
\end{gathered}
\] & Lats & \[
\begin{array}{|c}
\text { Number } \\
\text { Vessely }
\end{array}
\] & Lata \\
\hline  & 1,082 & \({ }_{\substack{144,683 \\ 85,472}}\) & \({ }_{8}^{966}\) & \(\underset{\substack{115,608 \\ 86,54}}{\text { che }}\) \\
\hline German States & 997 &  & 437 & \({ }_{\substack{\text { c } \\ 19,734 \\ 19,063}}\) \\
\hline Swutch & 116 & 11,949 & 88 & 12,063 \\
\hline merrian - & 250 & 9,026 & 146 & 7,383 \\
\hline Danish & 143 & 4,2\%6 & 107 & 5,812 \\
\hline Other nations & \% 13 & 1,8:88 & 15 & 1,964 904 \\
\hline Total. & -,509 & 261,3,3 & 2,0yz & 249,910 \\
\hline \multicolumn{5}{|l|}{\multirow[t]{3}{*}{}} \\
\hline & & & & \\
\hline & & & & \\
\hline
\end{tabular}

Trade.-The abolition of the Sound dues, and the improved communications by means of railways with the interior, have led to a great increase in the trade of Stettin. This is evident from the following sccount of the imports and exports of the town by sea:-
\begin{tabular}{|c|c|c|c|}
\hline Yeara & Imporis & Exports & Total \\
\hline & \(\underset{2,601,934}{ }\) & \({ }_{1,011,969}\) & 3,546,902 \\
\hline 1856 & 3,604,567 &  & \({ }^{3}, 3112 \times 260\) \\
\hline 18.8 & 4,208, 636
6,405776 &  & \(6,931,1088\)
\(9.146,745\) \\
\hline \({ }_{186}\) & 6,903,776 & \(2,4810,969\)
\(3,277,19\) &  \\
\hline 14,77 & 8,374,547 & 4,665,7\%3 & 13,1,0,346 \\
\hline
\end{tabular}

This is a very exiraordinary increase. In the import trade it has principally taken placo in the impre trade it has principally taken placo in the of the information in this article has been derived articles of coals, iron, and raw cotton, from from Mr. Consul Blackwell's very instructive Eligland; oils, seeds, coffee, potash \&c. The Report of March 25, 1868.)

Direct Trade of the United Kingrlom with Prussiut, - Account of the Quantitics and of the Computed Values of the Principal Articles Imported from Prussia into the United Kiugdom in euch of the 4 Yeurs ending with 1867.


Iccount of the Quantities and Values of the Principal Articles of Domestic Growth aud Manufucture Exported from the United, Kingdom to Prussia in each of the 3 Years ending with 1867.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Princijal and other Articles}} & \multicolumn{3}{|c|}{Quantities} & \multicolumn{3}{|c|}{Deelared Real Value} \\
\hline & & 1865 & Istig & 1867 & \(186 \%\) & 1866 & 1867 \\
\hline Thali, moda * & & 182,981 & & &  & \({ }_{39,613}^{\text {f }}\) & \\
\hline Heer and ale : & - barrela & 3,168 & 70, 4,06 & 196,495 & -10,200 & 3,618
9,292 & 89,238
9,118 \\
\hline Horas, relinel in the. United Kingulom & - lli. & y, 119 & 1. \({ }^{\text {gis }}\) & \(2 . \mathrm{N} 93\) & 5, 512 & 4, m 9! & 8,743 \\
\hline Cement - * - & cwi. & 148, 788 & [9:, 8 85 & 11781.5 & 2.3,324 & 11,146 & 16,708 \\
\hline coals, cinders, and culm & tons & 697,571 & 481,204 & 307,969 & \(4{ }^{2}+394\) & 2c6, 114 & 221,1.57 \\
\hline Crupt, wrueght and unwrought & cwt. &  & 4,1miticilill & 70.6511 & 15,773 & 16, Hig & 4 49,433 \\
\hline Colton yam e \({ }^{\text {a }}\) - & & \(2.181,1 \geq 1\) & 4,1h1,2in & 7,044, 1086 & 290,4192 & -815,980 & 701,083 \\
\hline cotons, entered by the yard & - sards & 9.13,2.26 & 6611,222 & 3,970,978 & 26,216 & 20, 0 , 4 H1 & 124,050 \\
\hline Drugs and chemical producta & & & & & 1,1,779 & 10,082 & 12,385 \\
\hline Fish, heminps & - berrila & 159,824 & 176,751 & 255,575 & 235, 135 & 270,8.30 & 374,4\%1 \\
\hline liadwases ano cutlery, anenumeraled & cwt. & 7,1081 & 4, 18103 & 3.969 & 34,349 & 4.5,136 & 34,435 \\
\hline Iron, wrought and unwrought * & tona & 74,0148 & 41,177 & 42,097 & 341,859 & 274,261 & 250,032 \\
\hline leal and shot & - & 131 & 591 & & 2,614 & 12,16is & 1,327 \\
\hline Realker, wrought and unwrought & - volue & & & & \% \(\begin{gathered}2,067 \\ 69\end{gathered}\) & \({ }_{43}^{801}\) & 12.824 \\
\hline Linen yamm
Linens, entered by the yasd & & -77, 95137 & 73\%, \({ }^{\text {\% }}\) & \(1,317,615\)
901,660 & 69,101
41,191 & \(43,918)\)
42401 & 18,103
544 \\
\hline Machiuery : steam engines & - value & 18.03 & - & - & 31,191 & \({ }_{4}^{42,160} 3\) & 54,450
\(.30,065\) \\
\hline Mall other kinda & - ** & & & & 156,458 & 96,7it & \%111,664 \\
\hline Molares * & rwt. & 6,09.3 & 7,743 & 12.581 & 5,169 & 6,76.5 & 10,071 \\
\hline Oil, weed - & - galnose & Si6,319 & 256,433 & 288,149 & 114.973 & 58,346 & 49,642 \\
\hline Paintrs' colours (oo, other wise described & - value & & 40710 & & - 2,4259 & 2,316 & 4,334 \\
\hline Stit. \({ }^{\text {a }}\) & - tolis & 53, 4,510 & 40780 & 49,9]6 & 2,5,471 & 22,464 & 30,953 \\
\hline Tia, unwrought & cwt. & 2,591 & 1,980 & 4,278 & 12.388 & 8,699 & 19,335 \\
\hline Tin plates Wool en and worsted yarn & - value l & \(68 \overline{8,47}\) & 392,123 & 1,24x,291 & 3119,619 & 4,139
63,56 & 19, 102 \\
\hline Weolient, entered ly the yard & - sards & 114,684 & 375,111 & 1,111,015 & 34,995 & 30,012 & 91, 709 \\
\hline dil oher aricles at value & valse & - & 二 & - & 4.201 & 13,403 & \% 4.787 \\
\hline Ail ofter articles & & & - & - & 166,210 & 136,008 & 136,925 \\
\hline Total & -..value & - & - & - & 2,095,380 & 1,800,499 & 2,x=7,4t 3 \\
\hline
\end{tabular}

STOCKHOLM. The capital eity of Sweden, \(/\) much length, to attempt to pass with a greater situated at the junction of the lake Maelar with draught than 24 feet. Off Stockholm is the an inlet of the Baltic, in lnt. \(59^{\circ} 20^{\prime} 6^{\prime \prime}\) N., long. \(183^{\prime} 7^{\prime \prime}\) E. ; a well-lmilt, handsome city. Population in 1865, 133,361.
The entrance to the harbour is intricate and dangerous, and should not be attempted without a pilot ; but the harlour itself is capacious and excellent, the largest vessels lying in safety close to the quays, which ean accommodate several lundreds, The depth of water in the harbour varies from 5 to 6 fathoms. 'Kodjupet,' directly to the north of Stockholm, is the passage which determines the draught of vessels bound for this port. The highest water line at Kodjupet is from 28 to 29 feet, but in consequence of the sudden bends in the passage it is not safe especially for vessels of Europe ; and insted of importing as constry of
the case, she now exports large quantities of oats and other grain. (See post, for her exports of eorn to Enginnci.) Still iron, timber, and deals form the principal articles of export. Swedish iron is of very superior quality, annl is rather exteasively used in (irent lbritith, our imports of pig and bar iron from Sweden nmonnting, in 1867, to upwards of 76,313 tons, exclusive of d,656 tons of steel. In addition to the above leading articles, Stockholnt exports pitch, tar, copper \(\& \mathrm{c}\). The timber is inferior to that from the sonthern ports of the Baltic. I'he inmports prineipally consist of colonial products; cotton stufl's and yarn; iron, hardware, machinery, and coal, mostly from Enghand; with woollens, wiue, silks, salt, hides, quano, lish, brandy, wool, fruit \&e.
Pilotage.-l'ilots may he obtatimed by vessels eming from the north, at Arholon nad Sibderan; and be vesspls from the enst num sonth, nt landsort, Mluf yutiskitr, nut Santhamin.
The entrance from sundhanin is the shortest and straightest, nul therefore the ensiest and cherpest passage to Stockholm.

Pilotage Charges.
\begin{tabular}{|c|c|c|c|c|c|}
\hline  & From Jandiort io tockliolin, i2 Finglish Mils &  & \(\left|\begin{array}{c}\text { From } \\ \text { Sandhann to } \\ \text { Stockholm, } \\ \text { 3K English } \\ \text { Miltes }\end{array}\right|\) &  & From Arluelnt in Stockholm, \(5 f\) English Mitey \\
\hline & rksth. Bre & & rimall fire & & risdl. tire \\
\hline 7 & 30
37
80 & 7 & \(\begin{array}{ll}16 & 00 \\ 200\end{array}\) & 7 & (1) \\
\hline 8 & \begin{tabular}{l}
37 \\
4.50 \\
\hline 50
\end{tabular} & 8 & 2120 & 8 & 3760 \\
\hline 9 & 5280 & \(!\) & 258 & 9 & 1.111 \\
\hline 10 & \(60 \quad 40\) & 10 & 3240 & 111 & 5117 \\
\hline 11 & 6790 & 11 & 36 & 11 & fit 8 \\
\hline 12 & 75 50 & 12 & 4070 & 12 & 6.310 \\
\hline 13 & 8310 & 13 & 4480 & 13 & 7080 \\
\hline 1 & 9150 & 1.1 & 4900 & 14 & 7690 \\
\hline 1.5 & \(98 \quad 20\) & 15 & 5.700 & 15 & 8.330 \\
\hline 16 & 10.5 60 & 16 & \(57 \quad 20\) & 16 & 8970 \\
\hline 17 & 11380 & 17 & 618 & 17 & 9630 \\
\hline 18 & 12070 & 18 & 65 & 18 & 10290 \\
\hline 19 & 12830 & 19 & \(6^{61} 9\) & 19 & 10940 \\
\hline 20 & 13590 & 20 & 7370 & 29 & 11.590 \\
\hline
\end{tabular}

For yessels clearing outward in ballast, the nbove charges are reduced by onc-half. An extra charge of 1 riksdaler 50 öre is made for attestajon.
The winter charges, clating from September 1 to April 30, are inereased by 25 per cent. from the sea to the tirst pilot station inside the buoys.
Pilot's return fares, about 12 riksdaler.
Vessels bound to any place on the line of passage up to Stockholm must take pilots at Landsort.
Light Dues.-Inwaris-84 riksdaler; outwards with eargo -84 riksdaler.

Outwards in ballast-42 riksdaler.
Lock Dues.-For the vessel-Under 50 Swedish nylast, 6 öre per nyliast ; for every nylast above 50, 35 örc per nylast.
For the cargo-For every nylast, 30 öre per nylist.
Shipping and Character of Sailors,-In 1866 there belonged to Sweden 3,323 vessels, of the aggregnte burden of 447,795 English tons. 'I would,' snys the British consul at Stoekholm, 'beg to remnrk, that in consequence of the superior education of the masters and mates of Swedish mercantile vessels, the subordination and steadiness of their crews, combined with great care in loading and unlonding their cargoes, they and the Norwegians have become favourite carriers with merchants of all nations. This preference is not to be attributed to a lower rate of freight, though they offer that advantage also, but to the confidence reposed in the zeal and intelligence of the masters and crews.' This is the true cause of the great increase, of late years, in the rumber of Swedish ships bringing cargoes from forcign countries to England.

Table, showing the Number and Tonnage of Briti Vessels which arrwed at the Port of Stockhol in the Decude 1858-6i7.
\begin{tabular}{|c|c|c|c|c|}
\hline Years & \[
\begin{gathered}
\text { Number of } \\
\text { Silling } \\
\text { Vessels }
\end{gathered}
\] & Number if seamers & Total & Aggrenat
conure \\
\hline 14.4 & 15 & & & 3,991 \\
\hline 3xis & 18 & I & \({ }_{17}\) &  \\
\hline 18 Cl & & 4 & 310 & \\
\hline 184,2 & 13 & 2 & \(4{ }^{4}\) & 9,491 \\
\hline 1863 & 39 & , & 4 & 10,911 \\
\hline 1851 & 31 & & 3.1 & 9,3i9 \\
\hline 1865 & 6.3 & 18 & 81 & 21, 1,17 \\
\hline \$66i & 48 & 210 & \({ }^{1.8}\) & 211,x11 \\
\hline \(1 \times 67\) & . 5.5 & 21 & 76 & 20, 19.3 \\
\hline
\end{tabular}

Currury.
The unity is the rikulader dividell into lon bre, T,kilif the exchingen at par, is rikstaler to the \(\mathcal{A}\) sterting. 1 ifsclaler \(=1 \mathrm{~s}\). 1 d. Einulish. 1 ure \(=\) about dad. Enghlshl.

\section*{Weights.}

The unity is the skalpund ( 100 skalpund \(=9.9717 \mathrm{It}\). avoit rilupois) The skalpuid is suldidided into 1610 ort. and \(10,010 \mathrm{kom}\); 109 sk puin make 1 rentuer, and 10,0 ini skippuil 1 nylist

, kathmerd \(=11 \mathrm{oz} .7\) dr. 2 sc . 9 gr . avoirdupois l skippunt \(=100\) Swedish skiapund

\section*{Measures.}

Louk Movnue. - The unity ls the fot ( 100 fot \(=97 \cdot 110\) English feet) The fot is anditivided Into 111 timen, and tot libitr. \({ }_{\text {stang }} \equiv\) atout 1 fathoms yu. 4 hm . fint \(=11 \mathrm{in} .2\) barley corns.

the square tist
 Th : square fot is sultilivided intm 100 square sum,
 spluare stang \(=\quad 10\) squ. yds. 4 fi. 427 in. 7 harleg corne.

Cubie Meusure.-Applied to the mersurement of dry goods, liquil. anct solids.
The unity is the cuble fot ( 100 cuble fot equal to 92 English cubn feet-7i3. 1117 helhes).
The cuble fot is subulivi
\(1,100,000\) cubic linier.
1 cubic fot
cubic kannor \(=160719117\)
For diqu goods: -1 tunna \(=5\) cuhir fot \(f\) ikannor. \(S\) wedlsh
We export to Sweden considerable quantitie of coloninl and foreign prosluce, the value there having amounted in 1866 to \(716,7171\). , and is 1867 to 752,889 /.
The Swedish smelting furnaces and iron-woth nre licensed to produce certain quantities, som beinf as low as 50 trins, and others as high as 4000 500 tons; auds some fine barirun-works have license for 1,000 tons each. These licenses are granted b over nll the College of Mines, which bas a coanto iron-works and mining operations. The ifon-ma ters make annual returns of their manufactur which must not exceed the privileged or license quantity, on pain of the overplus being confisatec The college hns established conrts of mines : every district, with supervising officers of ration ranks. All iron sent to a port of shipment mus be landed at the public weigh-hous, the superia tendent of which is a delegate of the college, , that it is impossible for an iron-master to sen more iron to market than his license authoriee It is true that sales are mude to inland consumer at the forges, of which no retums are msde out and in so far the licenses are exceeted; but it not supposed that the quaritity so disposed of ex ceeds a fev thousand tons a-yenr. Every firnac and forge pays a certain annual duty to the Crown Its amount is fixed by the college when the lieens is granted ; and care is taken not to grant th lieense to anyone unless he have the cummnud forests equal to the required supply of charroea without encronching on the supply of this materis required for the existing forges in the neighbour
e Number and Tonnage of Britial arrived at the Port of Stuckholm 1858-67.
\begin{tabular}{|c|c|c|}
\hline Number \(n f\) steamers & Total & \[
\begin{gathered}
\text { Aggregate } \\
\text { Tomuke }
\end{gathered}
\] \\
\hline & 17
29 & 3,391
3,173 \\
\hline 1 & 170 &  \\
\hline \% & 夋 &  \\
\hline \({ }_{5}\) & 4 & \%101919 \\
\hline 18 & 818
818 &  \\
\hline 20 & 717 & (20, \\
\hline
\end{tabular}

\section*{Curroncy.}
ler divideet hato 100 bre. t par, is riksolater to the \(\boldsymbol{C}\) sterling. thfis

\section*{Weights.}
nd (100 skappund \(=93 \cdot 7177 \mathrm{lt}\). avolrdupons,

 ib. 11 oz. avoirduput.
o2. 7 irr. 2 4e. 9 gr a avoirdupais nlsh skalpund.

\section*{Measures.}
nity ls the fot ( \(100 \mathrm{fot}=97 \cdot \mathrm{~s} 10\) Engrish Ceet)

mins i yil. 4 in. 2 barley. corns English. ,omn 1 yid. \(4 \mathrm{in}\). .
unity of Swedish supertacial meassurement i
sns English square lucles.
ivided intin 100 square tum, and to,non squme square slang, nud 10,000 quare fot 1 tquare eref. 3 Sh suare rols, 4 yds. 2 tt. 10 in. 7 barley corth.
 1 in. 3 barley-corns (1) : fot (100 cutic fot equal to 92 English tubic Isided into 10 kannor, 1,000 cubic tum, and -i91117 English cuble Inehes.
\(-19{ }^{\circ}\) cuble fot \(\sigma\) kimnor. Swedlsh \(=4\) eubic fot 8 kannor, Swedsh.
Sweden considerable quantities oreign produce, the value thercol d in 1866 to 716,7171 ., and in
smelting furnaces and iron-works produce certnin quantities, some 0 trins, and others as high as 400 or ne fine bariron-works have licenses ch. These licenses are granted y lege of Mines, which has a control nining operations. The iron-masal returns of their manufacture, exceed the privileged or licensed a of the overplus being confiscated. \(s\) established courts of mines : \(: 1\) ith supervising officers of various sent to a port of shipment must public weigh-house, the superinh is a delegate of the college, so ssible for an iron-master to send rrket than his license authoriscs. tles are made to inland consumers which no returns are made ont, a licenses are exceeded; but it is at the quaritity so disposed of exisand tons a-yenr. Every firnsee certain annual duty to the Crown. ced by the college whea the license 1 care is taken not to grant the \(e\) unless he have the command of the required supply of chareoal aing on the supply of this material existing forges in the neighbour-


\section*{STOCKILOLM}

Iccount of the Values of the Imports and Exports of Suceden in 186ä-6, from and to each Country trueded with; shou'ing the Averuge Amounts of the 5 Years ending with 1805.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline & \multicolumn{2}{|c|}{1865} & \multicolumn{2}{|c|}{1866} & \multicolumn{2}{|c|}{1861-6.5} \\
\hline & Exports & Inprorts & Esport* & 1 mports & Averatit Eisprort: & Average 1mporten \\
\hline & \[
\begin{aligned}
& \text { rikulaler } \\
& 83,21,000
\end{aligned}
\] & \[
\begin{aligned}
& \text { ritsdalaier } \\
& 31,14,0(H)
\end{aligned}
\] & \begin{tabular}{l}
rikematar \\
\(33,5: 20,1610\)
\end{tabular} & \[
\begin{aligned}
& \text { rikulaler } \\
& 35, \forall: 31,(n k)
\end{aligned}
\] & \[
\begin{gathered}
\text { rikmlaler } \\
44,6,46,100
\end{gathered}
\] & \begin{tabular}{l}
riksilaler \\
24,219,2010
\end{tabular} \\
\hline Sotliem fiermany and the llan- & & & & & & \\
\hline patic I'owns & 11,31, \({ }^{8,000}\) & \(32,831,0019\)
\(3,715,1111\) &  & \(32,1016,049\)
\(3.114,114\) & \(7,699,010\)
\(10,0 \times 1,4 x)\) & \(53,897,6,600\) \\
\hline \(\left\lvert\, \begin{aligned} & \text { Yrance } \\ & \text { jenamari, Schles wig-llolatelin }\end{aligned}\right.\) & 111, xinw 1700 & 10,079.0n) & \(9,085,1164\) & 10,312,0109 & 7,88(1, \(6(4)\) & 8, \(51.5,4161\) \\
\hline Notwyy \% - & 3,59Y, \(6 \times 10\) & 0, 581,0(6) & 4, 413,1949 & 6.581, (1) \({ }^{\text {a }}\) & y,577,4110 & biswituln \\
\hline Rusia and Fintand & 1,901,000 & S.16i, (0n & 8, &  & y, 128, 240 & \(6.9 \times 1,100\) \\
\hline Ifuliand and ISelqium & 6,167,100 & 1, \(\left.1,31 .(10)^{\prime}\right)\) & 3 3,6iplotan & 4, 1 & S \({ }^{5,113,4(9)}\) & S, \(1,157,010\) \\
\hline yrain and lourtugal & 1,096, 1109 & fix6,100] &  & 1.151, 1101 & 1,3.30, \({ }^{\text {a }}\) (10) & 1, \(1647 \times 00\) \\
\hline  & 31), 114 H & 3,082,046 & &  & 1, 3!, 1 (k) & 3,56ib,24n \\
\hline Weet luties - & 1,121,04\% & 185,000 & 1,353,007 &  & 1,2:77 260 & 81.3 .809 \\
\hline Crne of tiooll Ilope and District & 160, 0100 & - & 35,104) & 42, 1010 & 598.2610 & 7, 200 \(^{(100}\) \\
\hline Gilnilar and Malta &  & 6,893,000 & - \(\begin{array}{r}74,1648 \\ 2,169,1100\end{array}\) & \(6,1 \times 8,160\) & \[
\begin{aligned}
& 112, x(1) \\
& 2,8!5,11(4)
\end{aligned}
\] & 6,985, (1i(h) \\
\hline 13ther Ntater Total - & 408,086,100 & 105, \(463,0 \mathrm{tJ}\) & 10170196, \(0160{ }^{-}\) & 1120, 10,1401 & 34,167,000 & 160, 025,500 \\
\hline
\end{tabular}
dromut of the Quantities and Values of the Printipal Artiches Imported from Suedra into the United Kingdom in each of the 3 Years ending with 18 îi.


Lecount of the Qumtities and Values of the Principal Articles of Domestic Produce and Manufacture Exported from the United Kingdom to Nuredru iu each of the 3 Years eneting uith 1867.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[b]{2}{*}{Principal Articles}} & \multicolumn{3}{|c|}{Quantities} & \multicolumn{3}{|c|}{Decinrel Real Value} \\
\hline & & 1865 & 1866 & 1867 & 186' & 1866 & 1867 \\
\hline & & 25,696 & 32,31.3 & 32,383 & 9, \({ }_{4,8,37}\) & \({ }_{3}^{13,182}\) & \({ }_{12,306}^{\text {E }}\) \\
\hline Aithll, , oda
Apparel and haberdashery & - value & 25056
\(\cdot 783\) & 32,n4 & \(\stackrel{3}{*}\) & 4, & 30,170 & 20,671 \\
\hline Bras msnufactures -- & \(\underset{\substack{\text { cwt. } \\ \text { tons }}}{\text { ctict }}\) & 261,948. \({ }^{78 .}\) & 274,765 & \(\underset{273,493}{3,432}\) & 3,811
116,479 & 3,690
133,45 & 1, 1,993 \\
\hline Coass, cinders, and culm & tons & 261,914 3,13 & 27,243 & 273,493 & 116,479 & \(133, \times .98\)
11.919 & 137,235 \\
\hline Coppre, wrought and unwrought & cwi. & 1,431,740 & 1,599, \(\times 84\) & 1,099,170 & 124, 587 & 136,317 & 101,407 \\
\hline  & - yards & 3,513,980 & 4,297,505 & 1,537,977 & 37,762 & 62,469 & 45,894 \\
\hline Cotons, entered by the yard & - value & 7096 & & & 8,121 & 11,478 & 7,488 \\
\hline Hardwares and cutlers, unciumerated - & , cwt. & 7,026 & 1,134 & 3,905 & 42,027 & ¢\%, \({ }^{\text {cis }}\) & 26,303 \\
\hline Hron, wrought and unwrought : & tons & 25,021 & 22,451) & 8.175 & 201,044 & 108,467
2,483 & 56,403 \\
\hline , Lead and shot - & - value & & & & 22,(1)13 & 2,483 & 1,6177 \\
\hline Machinery : steamengines all ether forts & - value & & & & Y4,771 & 36,676 & 42,330 \\
\hline (ol, seed all ether borls - & - galions & 58,781 & 52,756 & 21,527 & 7,993 & 4,723 & 3,487 \\
\hline Printers' colours (not otharwlse described) & vatue & 473 & \({ }^{5} 5\) & 310 & 2,909 & \(2,0,56\) & 2,094 \\
\hline Tri, unwrought - : & - cwt. & 473 & 314 & 310 & 6,334 & 2,516 & 1,439 \\
\hline  & - value & 38,781 & 32,331 & 33,417 & 6,475 & 6,396 & 6,453 \\
\hline Wool, theep and lambs Woolien and worsted yam & & 111,435 & 85,455 & 34,656 & 19,708 & 14,183 & 3,198 \\
\hline Woolleru, entered by the yard & - yards & 798,632 & 696,975 & \%33,627 & 74,513 & 62,874 & 31,746 \\
\hline Total - & - - & . & . & . & 903,307 & 82.3,288 & 647,318 \\
\hline
\end{tabular}
hood. As the supply of pig-iron is limited to the their decision, and ultimately to the king in counquantity licensed to be made, the college, in grant- cil, or to the supreme court of the kingdom.
ing new licenses to bar-iron works, always takes into consideration how far this may be done without cresting a scarcity of pig-iron. Hence, the erection of new forges depends-1st, on having a supply of charcoal, without encroaching on the foregts which supply your neighbouro; and 2nd, on the quantity of pig-iron which the college, knows to be disposable. The courts of the mines decide all disputes that arise among the iron-masters regarding the exceeding of their licenses, encroachments de, ; an appeal to the college lying from

It is needless to dwell on the impolicy of such regulations, No doubt it is quite right for Government to interfere to prevent the waste and destruction of the forests; but, having done this, it sheuld abstain from all other interference, and leave everyone at liberty to produce as much iron as he may think proper. Mines of any importance are usually held by a society of shareholders. Some of them are only worked occasionally; and, as the labour is performed by peasants, who live ostensibly by industry, it is impossible to form any

4 Q 2
correct entimate of the numbers elngared in minling indistry. Sweden now ( \(18 t i!\) ) bensts upwards of 1,000 louplinh milles of rnilway.

STOCKIN(is, as averyone kiows, are coverirges for the legs. They nre formed of only one thread entwined, so as to form a species of tismis. extremely elantic, and readily adnpting ltwelf to the figure of tho part it is amployed to cover. This tissue camot be called cloih, for it has welther warp nor wort, lnat it appronches closely to it ; nud for the parposes to which it is mppled, it is very superior.
1. Mistorical Sket'h of the Nlembing Mann-ficeture.-It ls well known that the : loman mal other anclent nations had no particidar clothing fir the legs. During the midtle ages, however, hose or leggings, mate of cloth, began to be used; and at a liter period the art of knitting stookings was diseoveref. Vnhuckily, nothing eertain is known as to the individand liy whom, the place where, ar the time when, this important invention was made. Howell, in his /listary of the W'orld (vol. iii. j. 22:), snys that llenry Vllt. wore none but cloth hose, except there came from Spain by rreat chance n pair of silk stockings; that Sir Thomus Gresliam, the fimmons merchant, presented Ealward VI, with a pair of long silk stockings from Spain, and that thu present was much taken notice of; and he alds, that Queen Elizabeth was presented, in the thind year of her ruign, with a pair of black knit silk stockinga, and that from that time she censed to wear clath hose, It wonld njpear from this circumstantial necount, that the art of knitting stockings, or at least that the flrst suecimens of knit stockings, hat been introdnced into lingland from Spain about the middle of the 16 th century and fuch seems to have been the general opinion, till an allusion to the practice of linitting, in the pretended poems if Rowley, forged by Chatterton, made the sulject be more carefully investignted. The result of this investigation slowed clearly that the practice of linitting was well known in Eingland, and hal been referred to in Acts of l'arliament, a good many years previonsly to the period mentioned by llowell. Hut it had then, most probably, been applied only to the mannfacture of woollen stockings ; and the gencral use of cloth hose shows that even these had not theen numerons. There is no evidence to slow whether the art is mative to England, or has been imported. (lleckmann's Inventions, vol. iv. nrt. ' Kinitting, Nets, nnd Stockings.')

It is singular that the stocking trame, which, even in its rudest form, is a very complex and ingenions machine, that could not be disoovered necidentally, but must have been the result of deep combination and profomd sapacity, shonld have been discoverell so early as \(1 \dot{j} 89:\) before, in fact, the business of knitting was genernlly introduced. 'The inventor of this admirable machine was Mr. Willium Lee, of Woodborough, in Nottinghamshire. Dle attempted to set up an establishment at Cnlverton, nenr Nottingham, for the manufacture of stockings, but met with no sucecss. In this situation be apphed to the queen for assistance; but instend of mecting with that remoneration to which his genius nnd invention so well entitled him, he was discouraged and discountenanced! It need not, therefore, excite surprise that Lee accepted the invitation of llenry IV, of Jrance, who having heard of the invention, promised him a mag;ificent reward if he woull enrry it to France. Menry kept his word, and lee introducel the stocking frame nt Rouen with tistinguished success; but after the assassination of the king,
the enneem prot lito difficulties, and l.ee died in poverty at l'arls. A knowleclge of the machine was loronght lack from France to Dinglanil lay ame of tho workmen who had emigrated with lici, nind who establlished themselven in Nottinghamsilire, which still eontinues to bo the prinelpal sent of the manufucture. (Iferkmanis Intentioms, vol. [v. ppo illi-32t; mul Letters on the Utility and I'olicy of Machines, Lond, 1870.)

During the first century after the invention of tho stocking trame, few limprovements were male upon it, and two men wore ustally emplond (a) work one frame. llat in the conirse of lant centiry the machine was very greatly improved. The late hugenious Mr. Jededinh Strutt, of Jerby, was the tirst individual who succeded lin admiting it to the mannfacture of ribled stocklugs.
2. Statistical Vicu' of the stockiny Trude--It is not possible, perlopes, to chbtain any wre satishactory information in regard to the extenit or value of the stocking trale. It embraces nat only stockings, properly so called, but a grent many other artidles, helnding woollen nud cuttuit drawers, froves, mitts, meghtemps, sorks, knittend shawls dre, And evell ats respects stockinga, the varicties are so very mumerous and dither so widels, enmprising nill sorts, from those of the dinest to those of tho conrsest silk, cotton, and wool, thint nothing better than a rough estimats can be formed of their value.

In Is:32, Mr. Felkin, of Nottingham, who marle mayy clubotate enquiries into the subject, estimated the mumber of frnmes nt work at \(8: 3,1000\), nud the total value of the hosiery produced at 1,991,000 . This estimate was problabiy underrnted it the tlme; and is now, there can be tis doubt, grently below the mark. From the lest information we con obtain, we ineline to think that the entire value of tho hosiery producel in Great Britnin, whether by frames or otherwiee, may (1868) amount to somewhere alwot 6,500,000l. a-yenr. Tho avernge consumption per indivilual of hosiery in the same division of the empire may, it is believed, be taken at about 4s. a-year; nal if we take the population at 25 millions, this will give \(5,000,0000\). for thit consumptiou; nnd adding to this \(1,000,000\), for the value of the exports to foreign conntrim \((1,200,6271\). in 1866), a sum of \(b 00,000\), will remain to defray the cost of those sent to lrelaud. We ure protty well satistied that this estimate is not far from the mark. Aul modernte as it may seem to be when compared with others that have been put forward, it sets the great importance of the manufacture in a very striking point of view:
(of \(1,206,626\) dozen pairs of cotton and woullea stockings and socks, of tho value of \(448,02 \times t_{n}\) exported in 1867, 334,9is dozen pairs, worth \(181,415 /\)., were shipped for Australia. of the residue, which were sent to a great many pheces, the United States and the Argentiue Confalcrition took the largest numbers.

In Mr. F'elkin's paper on the state of the lace and hosiery trades of Nottingham, read at the mecting of the Social Seience Association led in 1866, he says:-
'In the hosiery business of Nottingham there were at work in 1865 11,000 narruw hall machiaes, employing domestically 7,500 men and 3,500 women and youth., at wages irom tis. te \(26 s\)., averaging, by the statements of the accoumt of the hands themselves, \(40 \mathrm{~s}, 6 \mathrm{c}\). weekly; also 4,250 wide hand machines, likewise domestically employing 4,250 men, from 10s. to 30 s ., averagiat neeording to the workmen's statement, 15 s , weekly wages. These 15,250 hand frames werc placel in 4,620 shops, in 80 parishes spread over the
aculties, anll I.ee dical in rowlenge of the machine France to bingland liv who hand emipruted with d themenelves in Notting. ntlanes to the the princijal re. (Ineekmanu's Inren--324; and Letters on the fuchines, Laml. 18\%0) ury atter the invention if - improvements were mate were uswilly employed to a the course of Int century preatly improvect. Thie dhah strutt, of Derlys, way suceceded in adupinus it ilbed stockings. ff the Stocking; Troule-1t aps, to chtain may very In in regard to the extent nit trade. It combraces nut ; no called, but a great mally ting woullen null couthin 4, nightenpw, aucks, knittew ins respects stockings, the numerons and dititr to 1 sorts, from thuse of the e conrsest silk, cotton, and tter than a rough estimats value.

\section*{, of Nottingrham, whu made} ories into the subject, estiframes nt work at :33,050, of the hosiery prollaced at imate wus probutiy undermal is now, there an the an the mark. From the het obtain, we incline to thiuk of tho hosiery producet in ner by frames or otherwive, nt to somerrhere alwot The average consumption sery in the same division of * believed, be taken at nbout we take the pupulatimen at 11 give \(5,000,0000\). for lluir duing to this \(1,000,0000\). for xports to foreign countrics ), a sum of 500,0000 . will const of those sent to relaut. atislied that this estimate is k. And molerate as it may ppareel with others that have sets the great importmice of very striking point of vier. a pairs of cotton and woullea 5 , of the value of \(448,1+2 \times 24\). 334,951 dozen pairs, worth ped for Australia. Of the sent to a grent many places, nd the Argentine Confealerinumbers.
aper on the state of the lare of Nottingham, real at the fial Scieuce Association leill
asiness of Nettingham bere 186511,000 narrow havd 5 domestically 7,500 men anu outh, at wages from 6s. te he statements of the accuats elves, 40s. Gul. weekly; abs, chines, likewiso domestically n , from 10 s t to 30 s , averagins: n, fron's statement, 1 uss. weekly to hand frames were placed in parishes spread over the
county of Notingham. The entire average out and heme will not lie less than 40 days: jrawages of 42,000 frames in 18.4 was about tis, a vhed such stores he dily borne upon the ship's werk only. These two classes of haml machines, it is computed, give employment to about 20,1010 vomen nut girls as winders ind semmers, enrning fs. each oll ill average. There are abont 1,004 wide power rotary frames, employing 700 nen, at from 20s. to \(\$ 22\) s. ; and nlont 16,001 girls and women, veamers and winders, on an average of bs. weekly. 'There are about \(1,2(1)\) nets of ehembar round fower frames improved, employing fint men mud 500 youtha, at from !2s, to ins, wookty;
if 1,0100 women, gettimg \(12 s\), to \(2(1)\), weekly , apes. The winders, euttern, members, anil wher attached to these are abont 11,0101 women and wirls, weraging \(7 s\), to 12s. n week. Ant there are ubont fon warp machines makiug hosicry by jower, employhig \(100 \mathrm{men}_{\text {, at }} 1 \mathrm{l}\), to 358 ; and 200 youths, at I2s. to 20as. ; bexides 400 warjers sc. (men), falnitty about 2iss ; and also 3,000 women ind girls. stitching de., at Ks, a week on an average, It is prolable that thero are 2,000 mon employed in beading, wreing de., and as porters de., at 20s, to 35is, weekly ; besides S, 1 nu0 nenders, folders sfo:, working in warehonses, at from \(\mathrm{ks}_{\mathrm{s}}\), to 12 s , weekly. To theso must be added the warchousemen and clerks in 86 estaWishments tor thishing and sale of poods in Suttingham. I'he Nottingham hosiery Luslness is now believed to be giving employment to about 17,000 males and 41,000 females-toteether 61,600 work people, The entimated returus ansenuted in 1865 to nbout \(3,000,01001\). Tho two staple trades of Nottingham, therefore, listributed in return an amount of somewhat more than s, 000,0001 . steding last year, and furnlalied, in the n+turegate, employment to nearly 200,000 wirkperple.'

\section*{stokad. [Batsam.]}
sHolis, MHLTALE and NAVAI, include arms, nmmunition de. It is enacted that the importation of arms and ammunition may be probibited liyproclamation or order in comed ( N .45 ), and the exportation, or carrying constwiso of military and naval stores, miny be prohibited in the same way ( \(s .150\) ), and the importation of gumpowder, ammnnition, arms, or utensils of war, intollritish America or tho Mauritius, except from the United Kingelom or any 13ritish possession, is absolutel; prohibited (s. 109). ( 16 \& 17 Vict. c. 107, or Customs Consolidation Act.)
slonlis. In Commercinl Navigation, the supplies of different articles provided for the sulbsistence and accommodation of the ship's crew and passelugers.
It is haid down, in general, that the surplus stores of every ship arriving from parts beyoud seas are to be subject to the sisme cluties and rguiations as those which affect similar rommedities when imporied as merchandise; but if it shall appear to the collector of eustoms that the guantity of such stores is not excessive, nor unsuitable, under all the circumstances of tho voyare, they may be enterel for the private use of the master, purser, or owner of such ship, on paymeat of the proper duties, or be warehoused for the future uso of such ship, although the same could not be legally imported by way of merchandise. ( \(16 \& 17\) Viet. c. 107.)
For such places as are not included in the annexed list, the ssme nllowance should be granted as is given to the place nearest thereunto.
Ciods delivered into the charge of the searchers to be shipped as stores, may be so shipped withont entry or payment of nuy duty, for any ship of the butien of 50 tons at least bound upon a voyago to furcign parts, the probable duration of which
vhetualling bill, and he whipped in such quantities, and subjeret to such directions and recrilatioun, as the Conmmasioners of Customs shall direct and appoint. (tif K 17 Vhet. c. \(107 \mathrm{~m}, ~ 1 / 110\). .)
linm of the Isritish phantations may he dellvered tu the kenreher, to be shipped as stores for any ship, without entry or payment of any duty ; mid any surphas stores of nhy whip may be dellvered to the wearcher, to be re-shipleal ns ntores for tho snme ship, or for the mame mater in another ship, without entry or jayment of any dity-such ran and wich surplas stored being duty tworne upon the victmalling lills of such ships respectively; and if the whip, for the future nse of wheh any nurplus stores have been warehonsed, shall have been broken up or soll, such stores may be no delivered for the use of any other ship belonghas to the same owners, or miy be cintered for payment of duty, and delivered for the private use of such owners or nny of them, or of the master or purser of the slip. (Sce, 17.)
The searehers in London, on clearance of vessels constwise to take in cargoes fir forefig phrts, are to apprise the collectors of customs at the outports where the vessels may bo bonnd, of the quantity and description of the goods which may have been shipped as ntores on bard steh vessels, and that hond has been given thy the masters of the vesubly that no part of such stores shall be consimed by the erews, or any jackage opemed or altered, mitil the vessels havo netmally been cleared on their foreign voyages; mil the collectors of castoms at the out-purts are in like mamer to canse a similar communication to be made to tho portes whero the outwarl cargoes are to be taken on bonrd, and the ollicers at such purts are to thke eare to ascertain that the severnl goods so shipped are actually on hoard the vessels on their arrival, and have neither been consumed nor run on slare during the coasting voynge; and it so, to report the rame to the lloarl. (Mia. by Com. of Customs, February 19, 1833.)

List of Foreign Goods allowed (with the addition of 25 per rent. to guard against the casualties of a sca royuge) to be shipped as Stores from the lonaded Wurehouses fire of Duty. (Cuatoms Ninute, November 29, 1832, and numerous subsequent orders of that IHoard, and the \(11 \&\) 12 Vict. c. 122.\()\)
Tca, \(\ddagger\) oz. ; coffce or cocon, or cocon paste, 1 oz. per day for each person on board, with tho option to ship the eutire quantity repuired for tho veyage of either species of these articles, half an oz, of ten being considered egual to onc oz. of collee or cocon, or cocon phaste.
Winc, 1 guart per day for the master, each mate, and enbin passenger.
Wine may be shipped insteal of spirits, or \(n\) proportion of each, 1 piat of wine being equal to \(\frac{1}{2}\) pint of spirits.
Wine bottled in the bonded warehouses fur exportation may be shipped asstores, in packages contnining not less than 1 doz. reputed guarts or 2 doz. reputed pint buttles.

Spirits, viz. brandy, geneva, rum (British plantation), 4 pint per day for each person on board.

British plantation or East India rum or Britislı spirits to he in the proportion of \(\frac{1}{2}\) of the whole gluantity of spirits shipped. Spirits imported in bottles, or bottled in the bonded warchouses for exportation, may be shipped as stores, in pack-

A List by which to ealculate the Amount of Stores for the' estimated Average Number of' Duya'
Juration of " Voyage from the United Kingdom to the different I'orts enumerated and buch.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline Perto of Smailination &  & I'orts of Destination & \[
\left\lvert\, \begin{gathered}
\text { lrays } \\
\text { of } \\
\text { Voyage }
\end{gathered}\right.
\] & Jorim of leatination & \[
\begin{gathered}
\text { lays } \\
\text { voy, ife }
\end{gathered}
\] & P'orta of leeilination &  \\
\hline Abo = & 100 & Copenliagen & linl & Malahar & 36.5 & Rome & \\
\hline Arapuitro, Meatro & 140 & Copluinato & 2141 & Malacta & 4141 & Mugen & 1 m \\
\hline Alos.mimelia. & 140 & Cartir inle & 1 lin & Malana & 164 &  & mi4 \\
\hline Apraandila : & (hit & -urster ista & J.4. & Natta & 1410 &  & (19) \\
\hline Alitane & (10) & I'ronstadt & lat & Matilla & \(1 \%\) & St. Harthaturnew & 1\%10 \\
\hline Almeria & (114) & ' \(\boldsymbol{\text { Hha }}\) & 411) & Maranham & [141) & ht, / irintopher's & (4) \\
\hline Alima & 110 & Tiuddalura & (14) & Marimalatie . & 141 & Nt. 'rois & (ty) \\
\hline Ancona & 160 & Cumana & 2t1 & Mapselilys & [1:31 & Nt. Jomingo - & 4 19 \\
\hline Abralmena & 180 & C'uration & (14) & Martinico & (14) & Mt, Jimotatia - & 1mis \\
\hline Antikan & (M0) & 'yprue & live & Manulipatan: & 4193 & Nr. Inelena & y \({ }^{\text {a }}\) \\
\hline Arctangel & 140 & bhansfle \({ }^{\text {bavisen }}\) & lim) & Manitua : & \({ }^{170}\) & N6, Jolin, New Irana.- & 12, \\
\hline Arimulakn lisea & JM1) & Baybin Ntepoday & 410 & Mrniel & 101 & Nt. Juhn's, Nimpluanis. & (21) \\
\hline Aucension luy & \%10 & Impmurare & 1.90 & Mewina live Vera & 130 & Nt. Nartio & (19) \\
\hline Anstrala & 480 & Imothinica &  & Altatand dinpulco. & & M. Mary* & Ikis \\
\hline A zores 1vay & vi1 & Itrontheins & liht & Minerra & 110 &  &  \\
\hline Juthima liles & \(1 s 11\) & Eitua lsle & 139) & Nifamish & (19) & ML. palrulor, of lualia & 2(4) \\
\hline Hahia & \%(1) & Phoing & 0.4 & Moelia & 36.3 & Nt. Sular t atit - & \%111 \\
\hline lla tinure & 120 & Einimeur & 119 & Monmiove & 11.5 & She, Thumas & |*) \\
\hline Sarloatioes & 1 M0 & Eiminder & 44 & Moscudar. & 1\%9 & h. Ubes & nil \\
\hline Jjarcelsma & 110 & Pinat quilon & 1 INI & Monte V'ideo - & y.311 & st. Whisent's. & (m) \\
\hline Harcelor & 365 & Fakland inles & 211 & Montreal * & 131) & malee & \(1 / 1\) \\
\hline Mlataria, & 410 & Fare Inlante, N. Sea & 109 & Montmerat & \(1 \mathrm{M1}\) & Salarno & I. \\
\hline liay of C'ampeachy & 410 & Faro lamals, tounarien : & ps & \begin{tabular}{l}
Nuntes \\
Naples
\end{tabular} & \({ }^{\text {m0 }}\) & & \\
\hline day of Itoses - & 110 & Frernaindo l'o: & 80
190 & Napler & 830 & Nandimiti lalea & \\
\hline Jiayonne & mi & Fernando l'o. & 1 MII & Narlonne & 130 & manta Murtha & 416 \\
\hline Hengal & 400 & Errrol \({ }^{\text {che }}\) & \({ }^{\mathrm{NO}}\) & Nrgayatam & \(4(1)\) & Nardinia lole. & 131) \\
\hline Herbice & Ima & Friendy dalanila & 48 & & 180 & Savanuah & 130 \\
\hline lerken & 100 &  & 1917
110) & New llranswlek & 120) &  & 1 lut \\
\hline lintimmia & 1201
415 & (ienomatatil & (10) & Newfommathat & ly\% & Nenekal &  \\
\hline Jhmitay & 36.3 & (libzaitar & (10) & New Orteame - & 104 & Ningaplore & (m) \\
\hline flona & 141) & [106- & 365 & Newpritt - & 120 & minyma & 14014 \\
\hline lordeaus & \({ }^{10}\) & Hotre & 19) & New l'ravitence & 165 & Nocivty Pmands & \(4 \times 10\) \\
\hline Hurnhoim & 110 & fistienturs & 101 & New south Wales & 419 & Nuuth Hea Fizhery & \\
\hline Hoston & 180 & (ireek inlands, and & & New york & 120 & Stetin & \\
\hline Protany lay & 440 & cirece & 180 & New Realand. & 109 & Ntoekhalin & [(1)] \\
\hline dirazila & 4019 & Greentand zoiblyry & \({ }^{186}\) & Noe Hice. & 1.30 & & (1)111 \\
\hline Hiremien \({ }^{\text {a }}\) & 12 & diremada & j4010 & North liergen & 100 & Nurat & \%h \\
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\(4 \% 10\) & Nowa
inleshatia & 140
410 & Swhan River & \(1 \%\) \\
\hline Calatar & 140 & Halfux & 1\% & 1 Prorto & K11 & Hydney, N.S. Waler & 365
\(4 \times 1\) \\
\hline cialcuta & 410 & llataturg & 4y & Dtabetio & \(4 \% 0\) & Syra & [9* \\
\hline Callao & 116) & Llavambah & 2(k) & Owhy hee & 140 & Syracmea & 1til \\
\hline Canary folos & 95 & Hayt & 2111 & Palermo & 1,9\% & Tanpiar & 100 \\
\hline Candia Isle & 360 & Hleiluoland - & 42 & & 4180 & & 119 \\
\hline Canton Coas Coute & 480
810 & Hobart Jown: & 4010
\(y / 10\) & l'eara \({ }^{\text {Pew }}\) Inlandx & 18.5 & Tellicherty & 365 \\
\hline Cajpe pf tiood tiope & 410 & Ifuduon's lay: & 810 & l'crisacula - & 190 & dimar & \({ }^{4 / 3}\) \\
\hline Cape Jayti & \$10 & lceland & 1011 & Pernanituso & 190 & ''oliago & (8) \\
\hline Cape 4t. Mary & Ito & lominn Isles & 180 & Pera & (10) & T'onningen & 12 \\
\hline Capee tip Virdo Islands, & & Jsanits th the Arclitp. & 140 & Petiraburk * & 1(19) & Tortola & 180 \\
\hline vix.:- & & die of Nable - & 180 & Philadelphila, & 120 & '1'oulon & Liot \\
\hline 8. Antonte. \(\quad\) ) & & Sales of trance and & & Whilipuine Intands & 420 & 1 ranquebar & 4 HI \\
\hline St. Jaku : \(\}\) & 100 & Itowithon & 870 &  & 160 & Triente & 16.5 \\
\hline Cariscruna : & & Italy & 136
110 & Poondicherry &  & Triminmalee & 30.13 \\
\hline Carthayena & 100 & Jamaica & 410 & |'ort-au-l'rince, Hayti & 210 & Irynity llay & 2nil \\
\hline Carthapera, Spanish & & Java & 4(A) & lort M. Juhn, New. & & '2'rijobli & (4) \\
\hline mdio . & 241 & Könicherg & (114) & furniland - - & 140 & Trusillo & (iil \\
\hline Cayenne & 181 & t.a coonespiton & (14) & jurtw heils & 410 & 'Junis & 140 \\
\hline Cuphaloria & 113) & ladronte - & 4311 & lorto lice & 410 & Vailivia & (4) \\
\hline cote & 1311 & dal luasra & y10 & l'rovidence, Mahama & & \(V\) aiencia & 110 \\
\hline Ceuta & 120 & leghorn & 130 & Ispauda & 160 & Yalparaios & 4 411 \\
\hline Ceslon & 365 & L,mes & 400 & Quelinec & 1511 & Van Demen's Land & 363 \\
\hline Charientown & 120 & l.lshom & \({ }_{101}^{M 10}\) &  & 1 lm & Venexuela & 410 \\
\hline Chevapedte May & 180
360 & Sonk laband & 1313) & Revel Rhodea Jisand & 100
180
180 & Senice \({ }_{\text {S }}\) & 160 \\
\hline China & 420 & Masastroom & (10) & liga & 110 & Vigo & \\
\hline Chrintiania & 1010 & Medalastay & 475 & llio Cirande - & 2(1) & Wyburg & [14 \\
\hline Civita Vecchia & 130 & Matera & 90 & Ito Jantiru & 200 & Zante dala & (6) \\
\hline Colombia diver & 764 & Madray & 4110 & River liamina & 190 & Zara & 1 \\
\hline Columbio - & \[
\begin{aligned}
& 36.3 \\
& i \times 0
\end{aligned}
\] & Majorca & 110 & Hochelle & bu & Yea & 1tis \\
\hline
\end{tabular}
ages or cases containing not less bhan 1 dozen bottles each.

Ruwe Sugar, Bustard, Refince', 'in'i Molussr's, Cane Juice or Syrup (togrther or s' ? arate), 1 lb . per week for each person ou board.

Dried Firuits, 2 lb. per week for each person on beard.

Rice, 2 lb . per week for each person on board.
Foreign or British Scgars, \(\frac{1}{4}\) oz. per day for the master, each mate, and each cabin passenger.
The entire quontity of foreign segars allowed as stores for each voyage to be shipped in one package.

A List of British manufuctured Goods to be allowed to be shipped us Stores on the usual Bounty or Drawback.
British refined Sugar, 3 oz. per day for the master, each mate, and each cabin passenger.

British manufuctured Tobaceo, \(\ddagger\) oz. per day per man.

British exciseable Goods, viz. beer, nle, and perter (together or separate), 1 quant jer day for the mast \({ }^{\circ}\), each mate, and each passenger,

Vinegar', \(\frac{1}{2}\) pint per week for each persun on board.
For Temperance Ships, Brandy \(\frac{1}{5}\) of the allowances of spirits of all sorts issued to other shijy.

Sugar, Molasses, Cane Juicc, or Syrup, 3 oz. per day.

S'T'RAITS SETTLEMENTS. [Sivgapone.] S'IRANDING. In Navigation, the runnigg of a ship on shore, or on the beach.
It is the invariable practice to subjoin the following memorandum to policies of insuranc executed by private individuals in this country: 'N.B.-Corn, fish, salt, fruit, floar, and seel are warranted free from average, unless general, or the ship be stranded; sugar, tobaceo, hemp, flax, hides, and skins are warranied free from average under \(5 l\). per cent.; and all other goods, also the ship and frcight, are warrated

Iverage Number of llay' enumeratesl and buch.


Goods, viz. beer, ale, and Goods, 1 quart per day tor te, and each passenger.
er week for each persun on
Ships, Brandy \(\frac{1}{5}\) of the allow1 sorts issued to other shit s. Came Juicc, or Syrup, 3" oz.

LEMENTS. [Singapule. In Navigation, the raming of In the beach.
Wbe practice to subjoin the lum to policics of insurame o individuals in this country: salt, fruit, flour, and seel from average, unless general, nded; sugar, tobacco, hemp, ins are warranted free from per cent. ; and all other per cent.; and are warranted
p and freight, are
free of average under ill. per econt. unless genural, or the ship be struandel.'
It in, therefore, of the greateat importance aceuratciy to define what shall be deemed a memoling. 3ut liun is no enay matter; anil much diversity of opinion has been entertained with renpect to it. It wonld, howeser, appear that merely atriking agaust a rock, bank, or more, is not stranding; and that, to comatitute it, the nhip muxt be nuon the row dec. for some time (how long ?), Mr, Jastice l'ark has the following ohservations on this mubject: "It is nut every touchlag or at riklur upon a fleed hody fin tho rea or ricer that will constitute a atranding. Thas ford Fiftenlootomon held, that in order to establivis a stranding, the thip nust ho atationary; for that merely st riking on a rock, and remaining there a short timer (as In the vaso then at the bar, ubont in minuto and a half), and they passing on, though the wessel may have recelved some Injury, is wot a stramiimg. Lard lillenboroug'is language is lupertant. -Fix ri termini atranding means lying on the dhore, of nomethlut analogous to that. 'lo uso a ruigar phrase, which has heen applied to this sulject, if it he euch and go with tha ship, there is no stranding. It cannot be enough that the ship lie for a few monents on her beam ends. livery striking must neceasarily produce a retardation of the whip's motion. If by tho force of the elements she ls run aground, and becomes stationary, it is immaterial whether this be on piles, on the muddy bank of a river, or on rocks on the sea shore; but a mere striking will not do, wherever that may liappen. I cannot look to the consequences, withont considering the cuusa rensens. There has been a curiosity in the cases about stranding not creditable to the law. A litte common sense may elispose of them more satisfactorily,'
This is the clearest and most salisfuctory statement we have met with on this subject ; still it is very varuc. Lord Elleuborough and Mr. Justice Park hodi, that to constitute a strandigg, the ship must be stationary; but they also botd, that if she merely remain upon a rock dse. for a short time, she is not to be consjdered as haviag beea stationary. Itence everything turns upon what shall be considered as a sloort time. lad we cunnot help thinking that it would be bette, lia order to put to rest all donbts upous the subject, to decide either that every strikiug against a rock, the shore \&c., by which damage is done to the ship, should be considered a stranting; or that no striking against a roek Ke, should be eonsitered as such, provided the ship be got off within a specified time. l'erhaps a tide would be the most proper period that could be fixed.
The insurance companies exclude the words 'or the ship be stranded' from the memornadum. [hsurance, Mabine.]
STURGLON FISILERY. The stugeon is a harge, valunble, and well-known fish, of which there are several species, viz, the sturgeon, properly so called, or Acipenser sturo; the beluga, or Acipenser huso; the sevruga, or Acipenser stellitus dec. The sturgeon anmanlly sscends our rivers, but in no great number, and is taken by accident in the salmon nets. It is plentiful in the North American rivers, and on the southem shores of the Baltic: and is met with ia the Mediterranean \&c. But it is found in the grestest abundance on the northern shores of the Caspian, and in the rivers Wolga and Ural; and there its fishery employs a great number of hands, and is an important object of national iadustry. Owing to the length and strictuess of the Lents in the Greek Church, the consumption
of thatin Iusia is immense; and from ita central position, and the facilities afforded for their conveyunce by the Woiga, the products of tho Casplan tiahery, and those of ita tributary streams. are ensily distributed aver \(a\) vast extent of country. Bexides the plekled carcasses of tho lish, caviar is prepared from the roes; and ininghas, of the hest qually, from the sounds, and both are largely exporteil. The eaviar made by the Ural Cowneks is reckoned the beat. The belugins are monethes of a very largo size, welghing from \(1,004 \mathrm{ll}\), to \(1,500 \mathrm{lb}, 1\) and yield a gool tend of oil. The seal tishery in also pretty extensively prosecnted in the Caspian. The rember will that a shataled aceomat of the mode in which the dishery is carried on \(\ln\) this gea, and in the rivers Wolga and l'ral, in 'loroke's dinsain, vol, iii. ply. 49-72.
M. Tegoborski estimated the totai value of the produce of the thatieries now refirred to at \(5,000,000\) silser roubles u-yoar. In \(1867,22,192\) ewt. of caviar wero exported from Trganrog. In 1807 we limported let cwt., valued at \(1,8 \times 20\).
SUC'(AD)lis. Of suceades and confectionery (inclubling frults nad vegetables preservent in sugar, and exclusive of \(341,799 \mathrm{lb}\). of preserved ringer (valued at \(95,769 \%\) ), we imported, in 1817, \(1,036,185\) lb., valued ut 81,76:12. Of theac, 791,167 II), were entered for home consumption, paying a duty of lid. per 11). In 1867 we exported \(1,6336,144\) lb, of IBritish, and \(1,018,977 \mathrm{lb}\), of furelgu confecthonery, worth in alt 130,312l.

SUGAR (lir, sucre; Ger, zucker ; Ital. zuchero; Huss. sachar; Span, azhícar; Arab. sukhir; Malay, soola; Sans. sarkarà). A swect granulated aubstance, too well known to require any particular description. It is everywhere in extensive use; anll in this country ranks rather among the indispensable necessaries of life than among luxuries. In point of commercial linportance it is second to very few articles. It is chiclly prepared from the expressed jutice of tho arumelo sacchurifera, or sugur cane; but it is also procured from an inmense varicty of other plants, ns maple, beet-root, birch, parsnep \&c.
I. Species of Sugar.- The sugar met with in commerea is usmally of four sorts-brown, or muscovalo sugar ; cinyed sugar; retlned, or loaf sugar; and sugar candy. The difference between one sort of surner and another clepends altogether on the ditlerent moles in which they are prepared.
1. Broun, or Museomda Sugar.-The plants or canes being erushed in a mill, the juice, hasing passed through a st:ainer, is collected in tho claritier, where it is tirst exposed to the action of a gentle fire, after being 'tempered' (mixed with alkali), for the purpose of facilitating the separation of the liquor from its impurities. It is then conveyed into the large evaporating copper, and successively iuto two others, each of smaller size; the superintending boiler frecing it, during the process, from the scum and feculent matters which rise to the surfice. The syrup then reaches the last copper vessel, called the 'striking tache,' where it is boiled till sufficiently concentrated to be capable of granulating in the cooler, whence it is transferred with the least possible delay, to prevent charring. Hers it soon ceases to be a liquid; and when fully erystallised, is put into hogsheads (called 'potting'), placed on their ends in the curing-honse, with several apertures in their bottoms, through which the molasses drain into a cistern below. In this state they remain till properly cured, when the casks are filled up, and prepared for shipment.
2. Clayed Sugur is prepared by taking the
juice, as in tho case of muscoviulo sugar when boiled to a proper consistence, nod pouring it into conienl pots with the npex downwards. These pots havo a hole at the lower extremity, through which the molasses or syrup is allowel to drain. After this drain lins continued for some time, a stratum of moistened clay is spread over the surface of the pots; the moisture of which, percolating throngli the mass, is found to contribute powerfully to its puritication.
3. Refincil Sugur may lie prepared from museovado or clnyed sugar, liy redissolving tho sugar in water, nud, after boiling it with some purifying substances, pouring it, ns betore, into conical jots, which are ngnin covered with moistened clay. \(\Lambda\) repetition of this process produces donble refined sugar. But a variety of improved processes are now resorted to.
4. Sugar Candy,-Solutions of brown or claved sugar, boiled till they become thick, nun then removed into a hot room, formed upen sticks or strings put into the vessels for that jurpose, into crestals, or caudy.
11. Ifistorical Votice of Sugar.-The history of sugar is involved in a good deal of obseurity. It was very imperfectly known by the (ireeks and Romnas. Theojhrastus, who lived about 820 years before the Christian era, the first writer whose works have come down to us by whom it is mentioned, calls it a sort of 'honey extracted from canes or reeds.' Strabo states, in the nutthority of Nearchus, Alexnniler's admiral, that 'reeds in Indin yipld honey without bees.' And Seneen, who was put to death A.c. bib, alludes to siggar in a way which shows how little was then known respecting it (Epist. 84):-'Ainut,' shys he, 'inveniri apuil ludos mel in armadimun folitis, quod nut res illius coedi, nat ipsius arundinis hamor dulcis et pinguior rignat.'

Of the nacients, Dioscorides nad lliny have given the most precise description of sugar. 'The former ssys, it is ' a sort of conereted honey, found upon ennes, in India and Arabia Felix; it is in consist ence like salt, and is, like it, brittle between the teeth,' And l'liny describes it as 'honey collected from canes, like n gum, white and brittle between the teeth; the largest is of the size of a hazel nut: it is nsed in medicine only' (Sicecharum et Arabia fert, sel lnudatias lindia; est anten mel in arundinibus eollectum, rummium modo candidum, dentibus fragile, amplissimum muris avellane magnitudine, ad medicins tantum usum.-Lib. xii, c. 17.)

It is evident, from these stntements, that the knowledge of the Greeks aud Lomnns with respect to the mode of obtaining sugar was singularly imperfect. They appear to have thought that it was found adhering to the cane, or that it issued from it in the state of joice, and then concreted Jike gum. Indeed, luenn expressly ullades to Indians near the Ganges-
\[
\text { Quique blluunt t'nerà dulces ab arundine succos.-Lib. Hi. } 237 .
\]

But these stntements are evidently without foundation. Sugar cannot be obtained from the cane withour the nid of art. It is never found native. Insteal of flowing from the plant, it must be forcibly expressed, and thea subjected to a variety of processes. It is not, however, quite so clear as has been generally supposed that the Komans were wholly unacquainted with the mode of procuring sugar. 'The remarkable line of Statius-
\[
\text { Et quas percoquil Ebusla cannas.-Sylv. Iib. i. v. } 15 \text {. }
\]
has been conjectured, apparently oat pretty good grounds, to refer to the boiling of the juice of the
canc. But the passage has been differently read, and is too enignimatical to be much depended on. Dr. Moseley conjectures, apparently with mueh probability, that the mar described by liliny and Dioscorides, as being made use of ut Rome, was sugar cancly obtnined from Chinn. This, indeed, is the only sort of sugar to which their lescription will at all apply. And it would seem that the mode of preparing sugar candy has been understood and practised in China from a very remote natiguity; and thant large quantities of it have been in all ages exported to lndia, whence, it is most probable, small quantities found their way to liome. (Treatise on Sugar, 2nd edit. pi. Bti-il. This, as well as Dr. Moseley's Treatise on Coffec, is a very learned and ablo work.)
Europe seen's to be indebted to the Saracens, not only for the first considerable supplies of sugar, but for the enrliest example of its manufucture. II aving, in the course of the 9the entury, conquered Nilodes, Cyprus, Sicily, and Crete, they introduced into them the sugar crne, with the coltivation and preparation of which they were familiar. It is mentioned by the Venetian historians, that their countrymen impe ted, in the 12 th century, sugar from Sicily ut .. cheaper : Ste than thev conld import it from Eerypt. (Lissai de l'IFistoire du Commerce de Venise, p. 100.) The Crusmes tended to spread a tast: for sugar throughout the Western world; hat there can be no doubt that it was chltivated as niw stated, in modern Europe, antecedently to the ara of the Crusndes; nud that it was als, previously imported by tho Venetians, Amalitans, and others, who carrice on a corumertial intercourse, from a very remote eloch, with Alexanlria and other cities in the Leqnot. It was certainly imported into Venice in 906.-( Wee the ISssui, \&e. p. 70.)
The art of retining sugar, and making what is called lonf-sugar, is said, by Dr. Noseley, to be a modern European invention, the discovery of a Venetian about the end of the 15 th or the lieginning of the l6th century. (Moseley, p. 66.) But this is doubtful, for Le Grand d'Aussy has shown that white or, as he calls it, retined sugar (sucre blanc ou reffine), had been introduced into and used in Framec for more than a century and a half previously to the dnte assigned for the discovery of the process of retining in Veniec. (bie privece des François, ii. 198, ed. 181 .).) But white sugar is not necessarily, as Le Grand d'Lusi scems to suppose, retined; it may be nerely. chayed, like IInvanuah sugar, which is as white ns refined sugar. This sugar was imported from larypt principally by Italians; nud the prot bnbility is, that the latter were the first luroneans who practised the art, which, however, wonld appear to have originated in the East.

The cane had, as alrendy seen, been introduced into Sicily, and its culture practised, previousl" t" the middle of the 12 th century. It also wat carried to Spain and cultivnted by the Saracens: soon after they obtained a footing in that country. The first plantations were at Valencia; but they were afterwards extended to Granada and Muccis. Mr. Thomas Willoughby, who travelled over grent part of Spain in 1664, has given an interesting account of the state of the Sphmish sugur plantations, and of the mode of manufacturing the sugar.

1'lants of the sugar cane were carried by the Spaniards and Portuguese to the Canary lslands, and Madeira, in the early part of the 15th century; and it has been asserted by many, that these islands furnished the first plants of the sugar canc that ever grew in America.
has been differently real, to be much depended on. res, apparently with nuth res, apparentibed by bliny ur male use of at home, ained from China. This, it of sugar to which their ipply. And it would seem aring sugar candy has becu wed in China from a verr 1 that large quantities of it exported to India, whence. nall quancities found their tise on Suyar, 2nd edil. pi. as Dr. Moseley's T'rectise on ed and able work.) indebted to the Saracens, st considerable supplies of liest exanple of its maurhe course of the 9 th century, Cyprus, Sicily, and Crete, them tho sugar eanc, with preparation of which they mentioned by the Venetian ir cuuntrymen impe tel, in gar from Sicily ut os eheaper ild import it from Esph. -c du Commerce de Venise, les tenided to spread a tast ? it the Western world; but bt that it was enltivated as ern Europe, antecelently to sades; and that it was also by the Venetians, Amalfiho carried on a cordmercial ;ery remote ejoch, with Alexities in the Levant. It was nte Venice in 946.- (See the
g sugar, and making what is said, by Dr. Moscley, to be a invention, the discovery of a end of the 15 th or the leginntury. (Moseles; p. 66.) But Le Grand d'Aussy has shown e calls it, retined sugar (sure rad been introduced into and r more than a century and a he date assigned for the disers of retining in Venice. (Jis ii. 198, ed. 1810.) But white sarily, as Le Grand d'Ausey retined; it may be mercly nah sugar, which is as white This sugar was imported froan by Italians; null the prolatter were the tirst Europeans art, whieh, however, would inated in the liast.
already seen, been intraducel culture practised, previously to 1?th century. It also was nd enltivated by the Saracens ainel a footing in tbat country. is were at Valencia; but the tended to Granada and Mluecia loughby, who travelled over in in 1664 , has gisen aa ia\(f\) the state of the Spanish sugat the mode of manufacturing the
ugar cane were carried ly the tuguese to the Canary Islands, he early part of the 15 th ceabeen asserted by msuy, that hished the first plants of the er grew in America.

SUGAR

But though it is sufficiently established that the Spaninrds early conveyed plants of the sugar cane to the New World, there can be no donbt, notwithatanding Ifumbolilt seems to incline to the opposite opinion (Lissai Politique sur la Norrelle Espague, liv. iv. e. 10), that this was a work of supererogation, and that the cane was indigenous both to the Americon eontinent and islamls. It was not for the plant itself, which llourished spontaneonsly in many parts when it was discovered by Cohumbus, liut fur the art of making sugar from it, that the New World is indebted to the Spaniards and Portugucse; and these to the nations of the East. (Latitan, NLours des Suragres, tome ii. 1. 150; Edwards's IFest Indies, vol. ii. p. 238 )
Barbaloes is the oldest settlement of the Linglish in the West Indies. We took possession of it in \(1622^{-}\); and so enrly as 16.1 began to export sugar thence to England. The trate of llarbalues attained its maximum in 1676, furnisling, it is said, employment, at that period, for 400 sail of vessels, averagiur 150 tons hurden; but this statement is most probably exaygerated.
Jamaica was discovered by Columbus, in his sceend royaye, and was first occupied by the spaniards. It was wrested from them by an expelition sent Hgainst it by Cromwell in \(16 a ;\); and has since continned in our possession, forming In far the most valuable of our West Intian ablonics. At the time when it was cenquered, there were only 3 small sugar plantations upon it, but, in consequenee of the intlux of English setlers from lharbadoes and the mother country, freil plantations were speedily formed, and continacd rapidly to inerease.
The sugar cane is said to have been firat cultivated in St. Domingu, or Ilayti, in 1506. It succeded better there than in any other of the West Indian Islands. I'eter Martyr, in a work published in 1530 , states that, in 15il8, there were :il surar-works in St. Domingo estublished by the Spaniards. 'It is marvellous,' says he, 'to consider how a!l things increase and prosper in the island. There are now 28 sugar presses, wherewidh great plenty of sugar is made. The canes or reds wherein the sugar groweth are bigger and higher than in any other place; nnd are as big as a man's wrist, and higher then the stature of \(n\) man by the halt. 'This is mo.e wonderful, that whereas in Valenein, in Spain, where 11 great quautity of sugar is made yearly, whensocver they apply themselves to the freat increase thereof, yet doth every root bring forth not past 5 or 6 , or at most 7 of these reeds; wherens at St. Doninge: 1 root beareth 20, and oftentimes 30.' (Eing, trans, p. 172.)
Sugar from St. Dominge formed, for a lengthenel periot, the prineipal part of the Jiuropean mpplies. l'reviously to its devastation in 1790 , na tewer than 65,000) tons of sugar were exported trom the lirench portion of the island.
III. Sources whence the Supply of Sugar is derited.-The West Indies (including Cubn), Louisiaun, Java, Brazil, Mauritius, Madras, the Isle de Réunion, and the l'hilippines, are the principal swarces whence the foreign supplies required for the Europeao, American, and Anstralian markets are derived. But of lato years the supplies of tropical sugar bronght to Europe have been materially inereased by the beet-root sugar raised in France, Belgium, Germany, Russia dc.
On tre whole we incline to think that we shall be sufficiently near the mark if we estimate the produre of sugar in 1868 at about 1,600,000 tuns cane, and 400,000 tons beet-root, making a
total prodnce of perhaps \(2,000,000\) tons, or even more.
Lonf or lump. sugar is nuknown in the East, sughr candy being the only species of retined sugar that is made use of in Indin, China \&c. The manufiture of sugar condy is carried on in Ilindostan, but the proeess is extromely rude and imperfect. In China, lowever, it is mannfactured in a very superior manner, and large quantities are exported. When of the hest description, it is in large white erystals, aul is a very beantiful article. 'I'wo sorts of sugnr candy are met with at Canton, viz. Chinchew and Canton; the former beimp the produce of tho province of Fokien, and the latter, ins its name implies, of that of Canton. The Chinchew is by firt the best, and is about in per cent. dearer than the other. Chinese sugar candy is extensively consumed by liuropeans at the diflerent settlements throughont the East. With the exception of 1802 , when 2,085 tons raw sugar were imported from China, very litile las Intterly been bronght to our markets from that empire. It seems, indeed, to be pretty well understood that the sugnr of Chima is nuable to withatand the competition of that of Java, Mrazil, and Cubn.

Comsumption of Tropical Sugar.-It is exceelingly ditlicult, or rather we should say quite impossible, to get any correct information with respect to the consumption of sugar in most. comintries. In as far as regards this country, the suljoined tables furnish ample information. It appears trom them that, at all average of the : years ending with 184. 1 , the cubsumption of sugar in the United Kingdom amomated to about 200,000 tons a-year, exelusive of abont 10,000 tons cf bastard or inferior sugar, obtained from boiling molasses. In the course of the cosuing year Sir Robert Peel reduced the datios on British colonial
 a consiterable reduction being made, at the same time, in the duty on foreign sugar the produce of free tabour. In consequence of this reduction the entries of surner for home consumption increased from 206,47:2 tons in 1814 to 242,830 tons in 1845, exclusive in both years of molasses equivalent to nbout 15,000 tons. In 1846 further changes were male in the duties by the admission of foreign slave-frown sugar at a reasonable rate; and in 1854 the entries for consumption amounted to 416,619 tons. But they dechined during the next 3 years. The entries in 1858, however, rose, including retined, to abont 437,000 tons, and in 1858 , with lower duties, they reached, including the funutities nsed in breweries de., 600,000 tons, to which about 20,000 tons may be added for molasses. (See post.)
The statements given by Schnitzler (Statistique de la France, i. 296) show that, at an nveragc of 1840 and 1841 , the consumption of colonial and foreign sugars amounted in Franee to \(73,189,000\) kilog., or \(71,42 \overline{0}\) tons a-year ; and adding to this quantity the produce of ihe beet-root plantations for these years, amounting to ahout \(30,000,000\) kilog., tho whole consumption would be about \(108,000,000\) kilog., exelusive of the quantity surreptitiously introduced. But the home supply of sugar has greatly inereased in the interval ; and it further appears that, in 1865, 209,585,832 kilog. of foreign anic coloninl sugar were entered for home consumption. Perhaps we should hardly be justified in estimating the imports (minus reexports) oif foreign and colonial sugar into France at above 200,000 tons in ordinary years, making, with beet-root, the consumption about 350,000 tons.

The Low Countries, Germany, and Austria are supplied through Holiand, the llanse Towns, the
ports on the south shore of the lindtie, and 'Trieste. Most part of the produco of the lhitel colonies is Imported into Holland, and considernble quantities are also imported from other comntries; so that, on the whole, the imports :oto the Huteh perts may be fairly estimated at from 90,100 to 100,000 ( 97,912 in \(186 \overline{5}\) ) tons a-year. The imports into lamburg, Iremen, and labeck, muount (inchuding rethed), at an avernge, to about 25,000 tons a-year, and those into liclgium to ahove \(\mathbf{2}(0,6) 0\) tons. There is also a considarable importation of sugar into Stettin and other lhaltic ports trelonging to Germany and I'russin. Tho imports into the Anstrian dominions throngh Trieste and other channels may be taken at about 30,000 tous.
The consumption of sugrar in spain was estimated by Montveran (Nhtistigue des Colouirs. pl. 12) at 11,050 tous. lhat, despite the considerable consumption of eocoa ill Spmin, athd the nowleration of the duties on sugar, we lave little or no doubt that this estimate at the time was beyond the mark. Probably, were the comsumption now stated at 65,000 tols, it would bo quite as mueh as it amounts to. We muy, prorhaps, estimate the consumption of l'ortugal at about. 12,000 tons.

In 1863 dhty was paid in lussia on nearly 35,000 tons of raw sugar, exelusive of what is elandestinely imported, and exclusive, alsi, of the clandestine imports of retined sugar. 'Ihis, with beet-root sugar, may raise the total supply to 70,000 1 mLs

Table showing the Quautitics rend Valurs of thr limports of Foreign Sugar, of all Sorts, into Furopean Russiu, exchusive of Fïhhud, in 1861, 1862,1863 , and 18055.


To the average, or 950,000 poods, lins to be added about 35,000 tons of beet-root sugar raised in the empire, besides what is smughled.

During the yenr ending June 30,1865 , the United States impertal (principally from Cuba and Porto Rico) ti07,937,674 lb., of which \(30,460,081\) lb. were re-exported, leaving \(577,587,590 \mathrm{lb}\)., or upwnrds of 257,000 tons, for the censumption of the Union. But in addition to increasing imports of foreign sugar the United States draw a large poition of their supply from the plantations in Louisiana, the prodnce of which had increased rapilly down to the commencement of the Civil War. Perhaps the produce might then be estimated at about 180,000 tons at an average. Mr. Consul Donohoe, of New Orleans, in Feb, 1867, says that the production in 1866 was greater than in 1865, but that there is no foreign export of sugar and molasses from that port. The whole shipments of native raw and relined sugar from the Union during the year e aded June 30, 186.t, amominted only to \(\mathbf{2 , 3 2 8 , 4 8 3}\) lb., or about 1,040 tons. The States derive a further supply of 18,000 or 20,000 tons of sugar from the maple.
On the whole, therefore, we shall not perhaps be far wrong in estimating the consumption of colonial, tropical, and beet-root sugar as follows, viz.:
\begin{tabular}{|c|c|c|}
\hline ul & tons & tons \\
\hline \multicolumn{3}{|l|}{\&c. - . \(\mathbf{3 5 0 , 0 0 0}\)} \\
\hline France, Including beet-root & & 350,000 \\
\hline \multicolumn{3}{|l|}{\multirow[t]{2}{*}{Colonial sugars for the Netherlands, Belgium, Gerinaiy, l'rusiln, Austrin, Hungary, and}} \\
\hline & & \\
\hline ports to Hussia and other countries & 70,010 & \\
\hline Hanse 'Towna & 30,1000 & \\
\hline Belghum & 20,000 & \\
\hline
\end{tabular}


Now, supposing these statements to be reasoasably correct, it would npicur that the aggregate supply uf sugar so fine execrifs the demand, that it may be fairly presmued that the permishion now given to employ sugar in our distilleries and brewerios, at an excise thity of 3 s. tid. per ewt., cim lave mo hasting inthence over its price. Tha quantities taken for this parpose lavo hitherto been incousiderable, viz. in 18i56, 131, fis3 rwt.;
 ended March al, IStis, 35t,088 do, It is, no doubt, true that the demand for sugar is rapitly. incrensing in this and most other comutries; bui, as the power to increaso its supply (so long at least, as Cuba mad Irazil are supplied with slave labour) is all but illimitable, no permasent rise of prices need at present be anticipated.
'Juking the price of sugar at the rate of only 20 s , per cwt. ar 20). por ton, the prime enst of the article ( \(1,816,000\) tois) to the people of Eurple, the Dinitad Sintes, and other comatries a...e mentioned, will be \(\mathbf{3} 6,920,0001\), sterliner - in a ndding 50 per cent. for duty, its total cos? :abe be \(5 i, 380,000 \%\). This is sutlicient to prove the parimount importance of the trade in this article. Exclusive of sugar, the other products of the cane, as rmm, molnsses, treacle \&e., are of very great value. Tho gross revemue derived by the British treasury from run alone, amountell, in the year ended March 31,1868 , to \(2,137,530 \mathrm{l}\).

Proyressive Consumptian of Nugar in Cireat Britain.-We are not aware that there are any authentic accounts with respect to the presise periond when sugar tirst hegan to be used in liaglame. It certainly was imported in small quantities by the Venctians and Genoese in the ith and 15 th centuries (in Marin's Storia del Comuncreio de' Venczidni, vol. v. p. 306, there is an necount of a shipment made at Venice for Eingjand in 1319, of \(100,000 \mathrm{lb}\). sugar, and \(10,000 \mathrm{lb}\). sugar candy: the sugar is said to have beea brought from the Levant); but honey was then, and for long after, the principal ingredient earployed in sweetening liquors nud dishes. Even in the early part of the 17 th century the auantity of sugar imparted was very inconsiderabie; and it was made use of only in the houses of the richand great. It was not tili the latter part of the century, when eofle and tea began to be introduced, that sugar came into general demand. In 1 Gow the ouantity coosumed in Great Iritain was about 10,000 tons, or \(22,400,000 \mathrm{lb}\); wherens, in 18(i, the consumption amounted to above 584,866 tus, or more than \(1,310,000,000 \mathrm{lb}\); so that \(\operatorname{sug} \mathrm{z}\) forms not only one of tho prineipal articles of inportation and sources of revenue, but an insnortant : zeessary of life.

Great, however, as the increase in the use of sugar has certainly been, it may, we think, be fairly presumed that the demand for it is still a grood deal below its natural limit; and now that the duties are rensonable, and the trade placed on a proper footing, we confidently anticipate that the cousumption of sugar, and also the revenue derived from it, wilt yet be considerably increased.

During tho first half of last century the con- more productives had they been lower. In 1797
sumption of sugar increased tlvo-fold. Itamounted, as aiready stated-
\begin{tabular}{|c|c|c|}
\hline & cons & 11. \\
\hline In 170, & to 14, \({ }^{\text {\% }}\) & - or 22, (\% M 1,0000 \\
\hline 1711), & \(1 \mathrm{H}_{1}(\mathrm{NX})\) &  \\
\hline 1734, & 42, (14x) &  \\
\hline 1751, & 53, 770 & \(119,360,007\) \\
\hline 172N-75, & \(72, r(k)\) (average) &  \\
\hline 1786000 & sl,unt " & 1x1, \(3001,1 \times(1)\) \\
\hline
\end{tabular}

In the reign of Queen Anme, tho duty on sugar amounted to 3s. Jod. per cewt. Smanll additions were male to it in the reign of Creorge H.; but in liso it was only 6 s. 8 d . In 1781 a consilerable adilitum was mado to tho previous denty; and in lisk it was as high as 12 s . de. In 17501 it was rilised to lhs.; and while its extensive and increasing consumption pointed it ont is an arricle wall titted to angment the publie revebac, the pressare on the publie linames, cansed by the Fresch war, ocensionedt its being londed with duties, which, though thoy yichled a largereturn, ho thoy yichlod a largereturn, sugar; and in lnisf the duty on the hater was wadd, there is gool reason to think, have been \(/\) rednesel to the same level as that on the former.

Account of the Quantity of Sugar rethine for Home Consumption in Great Britain, the Nitt Kevenue derived from it, unil the Rutes "f Inaty with which it was rharycd, in earh Year from 1789 to \(18[4\), both inchlasicr.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Yars} & \multirow[t]{2}{*}{Qoantities retained for llome thinsumpetion} & \multirow[b]{2}{*}{Nett Itevenue} & \multicolumn{3}{|c|}{Ilates or Duty} \\
\hline & & & Jiritioh lilantation siugar & \multicolumn{2}{|r|}{Bant Jadia Sugar, fatluting Mauritus} \\
\hline & & & per cwt. & per cwh. & per cent. \\
\hline & \({ }_{1}^{\text {cwt. }}\) &  &  & ¢ 3. d. &  \\
\hline 1789 & 1,547,109 &  & \multirow[b]{2}{*}{0150} & & \\
\hline 1791 & 1,105, 1611 & \(1,071,913\)
\(1,012,538\)
16 12 & & 0 \% 8 & 37163 \\
\hline 1792 & 1,361,592 & \(1,012,38812\) & \(\because\) & .. & -. \\
\hline 1794 & \(1,149,792\) & 1,031,192 4 & \(\because\) & \(\because\) & . \\
\hline 1795 & 143,36,233) & 9410,961 161 & - & . & - \\
\hline 1796 & 1,534,1062 & 1,25091378 & & - & \\
\hline 1797 & 1,273,722 & \(1+299714\) & 0176 & \multirow[t]{2}{*}{\(\begin{array}{llll}0 & 5 & 2 \\ 0 & \vdots & 2 \\ 0 & 2 & 2 \\ 0 & 2 & 6\end{array}\)} & 37163 \\
\hline 1798
1799 & 1,474,538 & 2, \(2 \times 121,915\) 16 5 & \(\begin{array}{llll}0 & 19 & 0 \\ 1 & 0 & 0\end{array}\) & & \begin{tabular}{l}
10 \\
12 \\
12 \\
16 \\
16 \\
\hline
\end{tabular} \\
\hline 1810 & 1,516,981 & 1,9.56,112 111 & .* & \multirow[t]{2}{*}{, \({ }^{2}\)} & \multirow[t]{2}{*}{12 if 3} \\
\hline 1801 & 2,773,795 & \(2,782,232\) is 1 & .. & & \\
\hline  & 3,250,311 & 1,541,157 1711 & \(1 \% 10\) & * & " 0 \\
\hline 1801 & 2,141,369 & 2,45S,121 is \({ }^{3}\) & 166 & 1911 & \multirow[t]{2}{*}{166} \\
\hline 1805 & 2,076,1113 & 2, 134,795110 & 170 & \(1{ }^{1} 988\) & \\
\hline 1806
1807 & 2, \(2,7 \pi\), \(6,6.5\) &  & \(\because\) & .: & 170 \\
\hline 1815
1809 & 2, \({ }^{2} 82,413\) & 4,177,1915 3 & - & 1100 & \(1{ }^{\circ} 00\) \\
\hline \(\left(\begin{array}{l}1809 \\ 1810\end{array}\right.\) & 2, 201 , 507 & 3,273,09.5 23 & 11090 & \(1 \ddot{1 \%}\) & \\
\hline 1811 & 3,489, 512 & \(\begin{array}{llll}3,173,301 & 12 & 3 \\ 3,3,90,218 & 1 & 3\end{array}\) & (1) \(\begin{array}{lll}1 & 0 \\ 1 & 7 & 0\end{array}\) & \(\begin{array}{lll}111 & 0 \\ 1 & 10 & 0\end{array}\) & \(\left\lvert\, \begin{array}{lll}1 & 0 & 0 \\ 1 & 1 & 0 \\ 10 & 0\end{array}\right.\) \\
\hline - \(\left\{\begin{array}{l}1812 \\ 1813\end{array}\right.\) & 2,604,019 & 3,939,354 17 & & 1300 & \multirow[t]{2}{*}{100
100} \\
\hline 1813 & \(2,20.1,0013\) & 3,117,560 & 1100 & 11.30 & \\
\hline & & 3,276,513 6 5 & & \multicolumn{2}{|c|}{\({ }_{\text {c }}^{\text {per cwt. }}\)} \\
\hline [151) & 1,397,399 & 3,276, 515 , & & &  \\
\hline
\end{tabular}

Account of the Quantities of Sugar Imported into the United Kingdom from the West Indies and British Guiana, distinguishing the Quantities from cach Colony, in the undermentioned Years, from 1845 to 1867 , both inchasive.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{1.' \(\begin{gathered}\text { r. itma which } \\ \text { iported }\end{gathered}\)} & \multicolumn{9}{|c|}{Sukar, unreflued} \\
\hline & 18.15 & 18.50 & 18.5) & 1862 & 86.3 & 1861 & In65 & 1866 & 1867 \\
\hline & \({ }_{\text {cwt. }}\) & \(\xrightarrow{\text { cwil }}\) & cwt. & cwtis0 & rwt. 242,560 &  & cwt. &  & \begin{tabular}{l}
ewt. \\
124.736
\end{tabular} \\
\hline 11. & 311, 185 & 5 L, diss &  & 701,2430 & 6199.969 & 5.31,716 & 664,76i & 751, 3.5 & \(74.3,523\) \\
\hline Lemmu & i8, 88, \({ }^{\text {a }}\) & S1, 816 & \({ }^{5} 56,977 \times 1\) & 67, 4.42 & 56, 5 dis &  & 5,5,991 & 54,732 & 588.3.56 \\
\hline \({ }_{\text {Girenads }}^{\substack{\text { Gramaica }}}\) & 712,807 &  & 66,981
400,242 & 5, & 30, \({ }^{\text {mind }}\) & 83, 3.3 .3
\(471,3 \times 1\) &  &  & 998,618
495,310 \\
\hline Mlonteerra & 11,265 & 1,607 & 4.5 & 3,117 & 6, 6,147 & 7 7967 & 4,709 & 19,986 & 10,5093 \\
\hline Vеня & 31, 3 ,54 & 15,518 & 33,942 & 35,733 & 39,121 & 16,11: & 29,718 & 33,951 & 25,701 \\
\hline M. 'hristopher & 122,733 & 70,717 & 11,745 & 186,913 & 200,961 & 96, & 20,3,39 & 232,998 & 162,415 \\
\hline 9. Latis - & 71,250
132,673 & -3, & - 98.95121 & 148, 9748 & 136,711 &  & 129, 12.68 & \begin{tabular}{|c}
141,992 \\
170,699
\end{tabular} & \({ }^{1010}\) \\
\hline Tobago. & \({ }^{1.142,709}\) & 44,497 & 35, 3.31 & \% 2 , & 47, 233 & 4:133i & 49,749 & 79,478 & 68,06.3 \\
\hline Tonols & 7,177 & 1,406 & & & & & & & \\
\hline Yinidad - & 361,164 & 366,240 & 414,9112 & 687.141 & 601,030 & & 658,455 & 814,944 & 752,893 \\
\hline Bahamas - & 1,669 & & & & & & \[
\begin{array}{r}
478 \\
1,086
\end{array}
\] & & \(\because\) \\
\hline leemetara & 493,102 & \(4 \ddot{7} \ddot{z}, 750\) & 675,8:51 & 8:3, 3 , 89 & 889,087 & 925,991 & 1,0x5, 377 & 1,104,711 & 390.848 \\
\hline Herbice - & 120,575 & 55,215 & 85,461 & 120,129 & 97,9w & 90,331 & 97,758 & 124, (109 & 121,0\%0 \\
\hline Total & 2,857,703 & 2,589,420 & 2,915,392 & 3,865,158 & 3,622,778 & 3,261,478 & 5,3939084 & 4,410, M53 & 3, R 21.170 \\
\hline
\end{tabular}

We had occasion, in a former edition of this seen, this distinetion was suppressed in 1836, and work, to rear. r -k on the impolicy and injustice of the sugar of our various colonial possessions and charging sugar from our possessions in the East Indies with a higher rate of duty than was laid on sugar from the West Indies. But, as already the duty was raised to 17 s . tid. ; two years alter, it was raisod to \(2(0,5\); and ly shecesaive nugmenlations in 1803, 1804 , and 1806 , it was raised to 30 s.; but in the last-mentioned vear it was concted that, in the event of the market price oil sugar in bond, or exchasive of the duty, being lior the four months previons to Jamary 5 , May 5 , or September 5, below 49s, per ewt., the lords ot the: Treasury might retnit 1 s , per cwt. of the thity; that it the prices were below los., they might remit 2s.; and if bolow 47 s . they mighit remit 3s., which was the greatest relnction that could tes male. In 1826 the duty on Went India sugar was dechared to be eonsinat at 27 s., without regard to price; the duty on sugar from the Mauritims being then also reduced to 278 . In 1xist) the duty was realuced to 24 s . on West lindia und Manritius sugar, and to 32 s , on Dast ludia denendencies is now admitted for consumption on the same terms.

Previonsly to 1845 the duty on sugar from a
SUGAR \(n\) Account, showing the Quantities in Cuts. of the seteral Sorts of Raw, excluding Refined, Sugar Imported into the United Kingdom; the Quantities retained for actual Cona Statement of the Ave ; the Rates of Duty charged on Sugur when entercd for Home Consumption, and the Nett Revenue accruing thereon; in each Fear since 1815 : with Statement of the Average Prices per Ciot. of British and Forcign Sugar in Bond for the same Iears.



\section*{SUGAR}

British possession was decidedly too high, being efledi; and since 18 to there has leeen a very great
 Hut whether this were so or not, there eanmot, we appredend, be so much as the shadow of a dondt that the daty on fireign sugars was then more than twice as great as it shomill have bern. 'This duty, which anomited for a lengthened poriod to tibs: pur ewt., was, in fact, intended to be prohibitury; and so long as our foreign depmidencies furnished so much sugar as not only to supply the markets of the United Kimgiom, but to furmish, toesides, a considerable excess for exportation to others, there was little to object to in the magnilande of the daty: lanterly, however, it hemane hast oppressive in its upration. In comserfuener, ass already seen, of the measures comected winh the emancipation of the slatyes, the imports of sugar from the West Indies declined from
 IN.15. Uwing to the immigration of hill-conties, and other circumstances, the cmancipation of the increase in the exports of sugar from that islamil [Bour Lamis.] Ihat iespite this cirenmanance. and the incrense in the imports of sugar from India since 1810 , the decrease in the imports from the West Inlies was not, for a consilerable time, fully eompensated. On the one hand, theretion: we hat a rapinlly increasing population, man on the ofher we had that population coulined be an oppressive duty to a market for sugar, the suphy of which hat been timinished. The eonsergmens were stich as every min of sence might have atlecipated from the ontset. The hasiness of retining tior the forejgn market, mad our export arate in sugar, were all but amihilated, while the areme fazence price of mascovalo sugar admisvilise bo the Eughish markets umumtend during the 3 yeens culing with 18.1 forrign sugar in bond, of equal or superior guality. We lwe, in illustration of what is now stated, t sulyoint an slaves in the Mantitus had compmratively littlo

Accomet of the Qumutities of Sugur retained for Consumption, of the Nett Produce of the Duties thrreon, cund of the P'rico per Curt. of British Sugur (e.v Duty), and Brazil Sugur in Bond, in 18.1:, 1813, 1811, with the Aversfe of these : \(\mathbf{3}\) 1ivers.
\begin{tabular}{c} 
Vears \\
1812 \\
1815 \\
\(1 \times 1.5\) \\
Total \\
Average of 39 rars \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Quantidev & Nett hevenue from Duties of sugs \\
\hline rwt. &  \\
\hline 1,108, 30, & , \(0,074,3,366\) \\
\hline 1,129,391 & 5,203,222 \\
\hline 12,112ti, 3 , \({ }^{\text {a }}\) & 15,151,36i0 \\
\hline 5,015,914 & 6, 1251, \(2: 3 / 3\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Average l'rices of tirithoh Muscovalo Nugar & \begin{tabular}{l}
Averake l'ricen of firme \\

\end{tabular} \\
\hline 3 di d & \\
\hline 33.31 & is 3 \\
\hline 33 3 & 170 \\
\hline 1113114 & ¢212: \\
\hline 318 & \(17 \times 1\) \\
\hline
\end{tabular}

Now, it appears from this statement. Hat while
ofe price of litish sugar (exchosive of duty) the price of hritish sugar (exchusive of dhaty)
amounted during the 3 years conting with 18.41 to 3.ts. 73 al. per cwt., the price of Itrazil (and Cuba) sugar was only 17 s . 5 gal. per do. And hence it finiows, that, had the then prohibitory duty of liss. on foreign sugar been reiliced to the same rate ( 35 s .2 d. , or \(2.1 \mathrm{~s} .+5 \mathrm{per}\) eent.) as the then duty on Sritish sugars, the people of the United Kingdom might have bought the same quantity of sugar
 might have got about \(2 \mathbf{l b}\). of sugar for the same sacrifice it cost them to get 1 lb . 'The aggregate loss to tho public from this preposterous arrangeanent of the sugar daties, during the period in question, was quite enormous. It appears from the above account that the average consumption of sugar, during each of the 3 years ending with 1844, amounted to \(4,008,912{ }^{\circ} \mathrm{ewt}\)., which at 34s. 73d. cost \(6,941,605 l\). 14s. \(5 d\). But had we been allowed to go into the foreign market for sugar, we might have got the same quant ity for \(3,502,230\). 13s., being a saving in 1 year of no less than \(3,442,375 l .1 \mathrm{~s}\). 5 f ., and in 3 years, of \(10,327,125 \mathrm{l} .4 \mathrm{~s} .3 \mathrm{~d}\). lhut it may, perhaps, be saicl, that had our ports been open to the free importation of Brazilian and other foreign sugats, the price of the latter would have been raised: and so probably it would; thongh, considering the vast extent and productiveness of the tield from which sugar may be brought, we doubt whether this effect would be very sensible. But, supposing that the opening of our ports had raised the price of foreign sugar from \(17 \mathrm{ss} .5 \frac{2}{3} \mathrm{~d}\). to 22 s . per cwt., still the saving would have amounted to \(2,534,801 l .15 s .9 d\) a-year.

Under these circumstances there could no longer be a doubt that the reduction of the old prohibitory cluty of 668 , per ewt. on forcign sugar was imperatively refuired; this was partially effiected in 1844 , when the duty on foreign sugar, if produced by free labour, was reduced to \(35 s .8 \frac{1}{2} d\). per ewt.;
and when, in \(\mathbf{1 8 1 5}\), the duty on lhitish cobomial sugars was reduced to \(1 / 1 \mathrm{~s}\). jer cwt., that onf free liabour sugar was further reduced to 23s, f!! per ewt.

Hut though these reductions of daty ellected a great improvement in tho old system; they wer. inalequate to place it on a satisfactory fooling. The reduction of the duty on foreign sugar applied to that only which was produced by free lalnur. the sugar produced by the labour of shaves (unliss we happened to be bound by treaty to admit it at the low duty) continuing subject to the old prohibitory daty of 6tis. per ewt. Nothing, however, conlll be more inexpedient than this distinctim, on which we took the liberty to animadvert as follows in a former edition of this work:-
- We take, without any scruple, the cotton, tobnceo, rice, and other products of slave-holding' countries; and such being the case, it is not very easy to wee on what principle we refuse to take their sugar. The-e is no reason to think that we are at all likely to hasten, by this refusal, the emancipation of their slaves (even if that were certainly desirable), or to improve their condition: our policy in this respect is injurions to ourselve. withont being of the smallest advantage to anyone else.
' Jnat the truth is, if we look a little narrowly into the cireumstances, we shall find that we do the very thing we pretend not to do. Weamually export large quantities of British produce to Cuba and Brazil ; but the sugar of those countries, the principal article they have to send us, being excluded from our markets, we cannot bring itdirect to this cometry, but wa carry it to Hamburg and other continental emporiums, and there exchange it for wool, flax, and other articles we are allowed to import; so that, in effeet, we transmute the slave-grown sugar into other things, and consume it under its new form. We do not employ it to swecten tea and coffec; but we clothe ourselves with wool and flax, manure our lands with bones,
herr has loeen a yery great of sugar tron that ishami. lespite this eircimstance, e inports of sugnt from ecrease in the imports from or, for a considerable tims. it the one hand, theretors. vasinge pojulation, and on population contined by m arkut for sugar, the sumpli inished. 'llie comsequencis n of nense might have anet. 'Tho business of rethin' t. and anr expurt trale in aliblateal, while the nyoran covides sugar ndmiswihbe ta monnted during the if years abont domble the prico of of equal or superion yuality. n of what is now stated, to

Nett I'roduce of the Duties al Brazil Sugar in Bund, in
 o sugar Aserake Price nt Mry:
Sugar Birownant Yowlow Algar sirown.an!
e duty on Lritish colania! to \(1 / 1 \mathrm{~s}\). per cwt., that on free further reduced to 23 , Ne.
reductions of duty effecter a in the old system, they were c it on a satisfinctory footilit. e duty on foreign sugar applied was produced by tree labnur, by the labour of slaves (unlss bound be treaty to admit it at timuirys subject to the ohl pros. per ewt. Nothing however, xpedient than this distinctim, the liberty to mimadsert as edition of this work:out any seruple, the cotton, ther products of slave-holfing, ha being the case, it is not resy at principle we refuse to take c is no reason to think that we oo hasten, by this refusal, the heir slaves (even if that were , or to improve their condition: espect is injurious to ourselves. the smallest advantage to any-
a, if we look a little narrowly nees, we shall finci that we du pretend not to do. We amanally ities of British produce to Cubr he sugar of those conatries, the hey have to send us, being exarkets, we cannot bring it direct \(t\) we carry it to Hamburg and emporiums, and there exchange nd other articles we are allowed at, in effect, we transmate the into other things, and consume form. We do not employ it to coffec; but we clothe ourselves E, manure our lands with bones,
mul manufacture our paper of raps, which are alf buyght by it. Hint suppose we were a titule now unixotic, and that atter gettitus the surar we threw it into the sea, the result, as rupects C'uba .and lirazil, would he the same. We give, ly busing their sugar, all the emponrug ment in our finer to the slavery that exists in there; what wis whal do with the sugar is our own uthin; ana whether we use it, sell it to others, ur destruy it, is, in har as slasery is conesemed, quite immatering. Bit it is le mo monas immaterial ns respects our trade with whe wholding comatries; hasmu has the preference we give to the sugars of wthers anptes them to lay diseriminating daties on our prulucts, and to diseourage and (mmbarrass omb trake. And even were it otherwise desirable, it may be dombted whether it be in our power to wilade slave-grown sugrar. Certilicates of oripin will, we apprehemi, lo rather a slender seenrity int this result. But supposing them tu be eflectual, the consequence will be that a greater quantity if Java and Mimilla sugar being consumed in bingland, less of it will remain to he sent to the fintinent, where, by means of our poliey, a correspunding market will be opened for slive-grown Hustr
- lhat almitting that something might be foumd tasay in fivour of the poliey of wholly excluding havigrown sugar, we, in effect, alondon it, by atmitting the slave-grown sugar of the United sates and other conntries with which we have maties of reciprocity; so that, after all, our poliry in this respect is prohibitive onl? of the sutars of Cuba, looto licoo, and Brazil. If the dineriman chose tosemil us the whole sugar grown in lonisiama, every onnce of which is the propluce fslave labour, importing in its stead sughr from the Havamali mal Bahia, it would be freely admitted to our markots. Ilence it is that, while Wexclude the slave-grown sugne of those friendly wamest of whose trade we might, if we chose, have a virtual monopoly, we monit the slavegrown surar of our rivals- of the only people whose commerchal marine can come into competition with our own. Aud to show that this contradicfon is not imaginary, wo may mention that, during the (then) present year ( 1815 ) about 300 tons of the sugar of Louisima (the quality of the latter is not, is now prepared, well suited to our markets) and Fenezucla have been admitted to consumption under the new Act. Is it, we her to ask, possible th speak too hinrshly of such a policy? to imagine saything more perverse, contradictory, and absurit:
'It were really, therefore, to be wished that we should cease to rave, as wo have lone for the last 20 years, abont slavery ; and that we should allow our merehants to buy sugar, as we allow them to buy cotton and other things, without enquiring how, or by whom, it is produced. We may be assured that we should give as little encourngement to slavery by so doing as we give by our pesent system, while we should, at the same inme, give grenter facilities to onr trade, and lull sope to the late, and in other respects, wise and literal measures.'
We are glad to have to state that the principle contended for in the above paragraphs has siace been fully almitted by the Legislature; the Act of \(1846,9 \& 10\) Vict. c. 63 , haviug squalised the duty on all descriptions of foreign surats.
It will further be observed that under tho system adopted in 1845 , a discriminating duty of \(9 s, 4 d\). per ewt. was imposed on foreign muscovado sugar almitted to consumption over and above the duty (Hst, per ewt.) imposed on British sugar. Inas-
mueh, howner, is the latter was inulequate to the supply of the Cuited Kingrom, the eflect of this regalation was (or mid 9s. Ad, per ewt. to the prise of all the sugar, Briashas well as formign, entered for consumption. And it was harilly to be sup, bosed, ufter the striking rerognition of the primciples of tree trale given by the Legishature in bassing the Act for the ubolition of the corn laws, that the protective system would be permillel to contime for the sake of the sugar colomies. the aboliturn of the former was, in truth, all but equivalent to the abol;" il of the lather. Xinl the 9 \& 10 Vict. e. 6ist, ruturend to abose, which put an emil to the ditinetion between free and shavo-prown surar, provided also fir the "qualisation of the dhties on ltriti-h and fircogn sugars, which, hat it been maintained, would have bern timally eflected on July 5 , ts.al.
This last Aet, however, was afterwards supersoded by the 11 \& 12 Viet. c. 97 , which, exelnsive al sume changes in the duties, deferred their complete equalisation till ixist.

Comparative ledfeiency of Preand Shuve Labonr in the I'roduetion of Sugur.- But thomgh it was not to be expected that a diseriminating daty in favour of the sugar of our colonies wonld be toleratel, it is by no means clear that its abolition lus not been an injustice to the latter. The equalisation of the daties would have been in all respects umobjectionable, were the eiremonstances undre which the platers in our colonies are pheded identical with or similar to those nuder which their competitors are placed in Cuba, lirazil, and Java. Such, however, is not the case. The insirnments of production possessed by the later are totally different from those possessed by the former. In lirazil and Cuba the planters are furnished with slave laborr, and in Java the pophlation, thourh not enslav ad, is subjected to compulsory service. Vnless, therefore, it can be shown that free labour is as eflicient in the prochetion of sugar in the West Indies and Demerata as slave or compulsory labour, it will necessarily follow that the equalisation of the cluties on British and foreign sugars was an injustice to our colonists.

It has been alleged over and over again in vindication of this equalisation, that free labour is at once cheajer and more ellieient than slave labour; and without enquiring into the truth of this allegation, we shall admit the greater cheapness of freo labour in countries where freemen and slaves are equally suited to the employments carried on in them, and where these employments would le spontancously followed by the slaves were they emancipated. But tho conditions muder which the production of sugar is carried on in the intertropical regions of the New World are entirely dillerent srom those now stated. Whites are not capabie of tield labour in such climates; and the raising of sugar is not an employment that wond be voluntarily nodertaken by free blacks. The latter have few wants. They reckon as :aseless incumbranecs many articles in'ispensable in cold or temperate elimates. Hence the curis acuens mortalia corda, so powerful in Europe, has but little inlluence in Jamaica and Trinidad. Men are not instinctively laborious or enterprising. Industry is with them merely a means to an ead, a sacritice they make to obtain supplies of the necessaries and conveniences of human life. Whenever the sacrilice required to procure food, elothes, and other necessary accommodations is considerable, the population is generally industrious; and a taste for labour being widely diffused, those whe are not obliged to apply
themselves to the production of necessaries,
engage in the production of superlluitios. lint engage in the productions of superlluities. Lint
wherever the principal wants of nan may be supplied with but little exertion, indulence beeomes the distinguishing characteristic of the population; antl, instead of employing their synare time in the proluction of articles of ostentation and luxury, they usually waste it in illeness and apathy, Now this is the precise state of the blacks in the West indics. Their necessities and desires are of a very limited description; and nre generally iulleed fully satistled by the produce of a small patch of land, requiring luit little labour in its cultivation: and such being the case, it would be contradictory to suppose thint they should voluntarily employ thenselves in the hard labour necessary to produce sugar. Consistently with what is now stated, we lind that llayti, or St . llominge, though the most fruitful of the West Indian islands, and though, when a colony of France, it firmished immense supplies of sugar, cocs not export, now that it is oceupied by free blacks, a single ton. This, also, is the case in Mexico: and what rensomable ground have we tor supposing that the result would be different in Jamaica, Cuba, or llrazil, were the blacks free aud able (which is not the case in our islands) easily to obtain patehes of land? The possession of the latter is requisite to enable them to exist without engaging in laborious service; and in the event of their not being able to obtain land, they may be forced to employ themselves in the culture of sugar ; though, as it is against their inctination, they will withdraw from their work on the tirst
opportunity, and will, while employed, indulge as much as possible in idleness.
Hence it would seem that, whether slave and compulsory labour be cheaper or dearer than free lubour, it is indispensable to the promlunction of sugar. We do not presume, in makne thils statemont, to give any opinion in regard to the policy or impulicy of the suppression of slavery in our colturies. The freedom of the blacks may be a more than sutlicient compensation for the cessatius of supplies of sugar from them. llut, whether it be so ur not, we regard it as the merest illusium ior suppose that the revere ilvulgery of sugar plantin; will ever be cillieiently carricd on In the liest Inclies by really free luthourers.
The mere exclusion of slave-grown sugar would not, however, as many seem th suppose, have in any degree obviated the hardships to which our planters have hicen exposel. It would merely have forced a larger quantity of the sugners of Juva and China upon our markets, and opead a lurger tield for the consumption of slave-grawn sugar on the Continent. Justice to our colmaits required that either a discriminating duty should have been imposed in their favour on all fureign sugars, or that they should have been conpenaseel in some other way. But as the forner methool of dealing fairly he them would have been repugnaat to the national feeling aud highly objectionalle, at the same time that it is more than doubtial whether it would have done reai service to the planters, some less offensive and more efficient nitermative should luve been resorted to. We subjoin

An Account of the Quantities of the different Descriptions of Unrefined Sugar entered for Consumptann in the United Kingdom during each of the 35 /ears euding with 1867; with an Account of the Amount of Duty received on the sume, the average Price of Muscotado Sugar in Bond \&c.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Years} & \multicolumn{4}{|c|}{Quantlies entered for Consumption} & \multirow[b]{2}{*}{Nett Revenue from Ibutes on Sugar} & \multirow[t]{2}{*}{A verage Price or Britus Muscorado Sugar per \(\mathrm{r}=\mathrm{c}\).} \\
\hline & Mritish Plantation (including Manritius) & East India & Forelgn & Total & & \\
\hline & cwt. & cwt. & cwt. & cwt. & 2 & \& 3. d. \\
\hline \({ }^{1832}\) & 3,575,329 & - 9 , 9 , & 615 & 3,635,551 & \(4{ }^{19494378}\) & 178 \\
\hline 1833 & 3,55,3,4.4) & 9R,i<s & 71 & 3,681,404 & 4,414,302 & 19 \% \\
\hline 1835 & 3,757,851 & 98,680 & 31 & 3,456,562 & 8,667,9:0\% & 115 \\
\hline 1836 & 3,378,141 & 110,4\%2 & 3.3 & 3,148,399 & 6,141,165 & 4011 \\
\hline \({ }^{1837}\) & 3,661,712 & 270,0.4.3 & 4.3 & 3, 954,810 & 8,760,565 & 119 \\
\hline 24,38
\(\mathbf{3 8 3 9}\) & 3,391,225 & 418,375
\(\mathbf{4 7 , 4 5 2}\) & 6.5 & \(3,919,665\)
\(3,425,599\) & 4,565,891 & 113 \\
\hline 1810 & 3,074,198 & 518.380 & 2,516 & 3, \(5,594,834\) & 4,149,0\% & \(\begin{array}{lll}19 & 8 \\ 2 & 9 & 1\end{array}\) \\
\hline \(18+1\) & 2,94z, 003 & 1,165,114 & yil & 4,0.7,678 & 3,114,390 & 1198 \\
\hline 1812 &  & 935,948 & 104 & 3,468, 1,37 & 4, \(\mathbf{3 7 4}, 512\) & 116 \\
\hline 1843 & 2,972,564 & 1,053,667 & 76 & 4, 1248307 & 3,076,346 & 1139 \\
\hline 1845 & 3,184,139 & 1,045,206 & 98 & 4,149,413 & 5,203,270 & 11.38 \\
\hline 181.5 & 3,548,111 & 1,231,176 & 17,307 & 4,856,644 & 3,574,471 & 11811 \\
\hline 1816 & 3,176,600 & 1,141,9199 & 602,739 & \(5,220,248\) & 3,896,780 & 1113 \\
\hline 1847 & 3,683,066 & 1,142,423 & 974,019 & 5,779,308 & 4,105,237 & 183 \\
\hline 1848 & 3,571,581 & 1,344,731 & 1,220,964 & 6,142,296 & 4,557,3,7 & 188 \\
\hline 1819 & \(4,154,981\)
\(3,78 \mathrm{C}, 002\) & \({ }_{1}^{1,354,298}\) & 437,478 & S,903,687
\(\mathbf{6 , 0 9 1} 494\) & 3,912,17 & 151 \\
\hline 18.50
1851 & \(3,788,002\)
\(3,596,568\) & 1,397,093 & 1, 5188,08951 & \(6,091,492\)
\(6,43,347\) & 3, \(\mathrm{NB4}, 141\) & \begin{tabular}{lll}
1 & 6 \\
1 & 5 \\
\hline
\end{tabular} \\
\hline 18.52 & 4,613,329 & 1,3132,012 & 1,6*2,346 & 6,898, 267 & 3,893,436 & 123 \\
\hline 185.3 & 4,379,481 & 1,361,373 & 1,5,31,979 & 7,274,433 & 4,093,8,76 & 146 \\
\hline 1854 & 8,399.06.1 & 990,403 & 2,4.39,991 & 8,1128,758 & 4,711,757 & 128 \\
\hline 1835 & 6,174,251 & 765, 460 & 2.51 .434 & 7,\%59,148 & 5,0.54, 300 & 151 \\
\hline 3836 & 4,331,917 & 4.59, 73.3 & 1,618,750 & 6,813,470 & 5,129,646 & 1100 \\
\hline 1857 & 3,131,971 & 1,073, 147 & \(2,616,178\) & & 3,055,031 & 1611 \\
\hline 1858 & 4,547,308 & \(951,{ }^{2} 1\) & 3.117 .127 & 8,190, 256 & 5,476,950 & 176 \\
\hline 1859 & 4,326,337 & 940,075 & 3,375,5018 & 8,641,946 & 6,944,893 & 151 \\
\hline 1860 & \(\mathbf{4}, 317,192\)
\(\mathbf{4}, 951,059\) & 773,046
517,091 & \(3,113,450\)
5.439 .149 & 8,506,882 & 5,8,38,199 & \(\begin{array}{lll}1 & 6 \\ 1 \\ 2 & 9 \\ 1\end{array}\) \\
\hline 1861
1862 & \(1,981,059\)
\(4,104,009\) & S17,09! & \(5,139,149\)
\(4,261,934\) & N,937,302
\(\mathbf{9 , 1 1 1 , 6 i 2}\) & \(6,13,3,227\)
\(6,239,750\) & \(\begin{array}{lll}12 & \\ 1 & 1\end{array}\) \\
\hline 186.3 & 4,925,479 & 316,434 & 3,962,604 & 9,202,543 & \(6,6,54,979\) & 108 \\
\hline 1864 & 3,959,082 & 387,419 & 4,591,012 & 8,937,313 & 5,165,102 & \({ }^{6} 10\) \\
\hline 1865 & 4,696,993 & 467,121 & 4,714,819 & 9,878,933 & 6,201,171 & 120 \\
\hline 1866
1867 & \(3,419,119\)
\(4,358,011\) &  & 4,5i9, 3 (3) & \[
\begin{aligned}
& 10,997,196 \\
& 10.945,795
\end{aligned}
\] & \(5,392,686\)
\(5,385,356\) & 10 \\
\hline
\end{tabular}

Sugar Duties.-The 11 \& 12 Vict. c. 97 regnlated and materially reducel the duties on colonial and foreign sugars. But the war with Russia occasioned their subsequent increase. And though they have since been thrice reduced, viz. by the \(20 \& 21\) Vict. c. 61 , the \(27 \& 28\) Vict. c. 18 , and by the 30 Vict. c . 10 , it is very doubtful whether that reduction will be permanent. The probability,
incleed, seems to be quite the other way, And it must be admitted that when fairly imposed, and not carried to an extravagant height, these daties afford one of the least exceptionable means by which a large revenue may be most convenicatly raised. The sugar duties at present are as folluri, viz. :-
hile employed, indulgo as :ness. that, whether slave anil henjer or denrer than free Whe to the production of ume, in making this stateon in regard to the poliey or ression of slavery in one a of the blacks may be a npensation fur the cessation an thens. But, whether it it as the merest illusion to drudgery of sugnr yhating, ly carried on in the West thourers. of slave-grown sugar would \(Y\) seem to suppose, lave in the lhardslips to which onr exposed. It would metely quantity of the sugnrs of I our markets, and upened a consumption of slave-grown Jastice to our colonives a discriminating duty shoul in tlieir frvour on all fareign Jouln have been compensatel But as the former method of n would have been repugnant ing and highly oljectionable, hat it is nore than doultful ave done reai scruice to the offensive und nore ethcient luve been resorted to. We

Inrefincd Sugar entered for -s ending with 1867 ; with an ge Price of Muscovado Sugar
\begin{tabular}{|c|c|}
\hline Net Revrnue from Duties on Sugar & A verage Pross of British Muscorado Sugar per cwt. \\
\hline & ¢ 1.78 \\
\hline 4,594,3,38 & 198 \\
\hline 4,359,392 & \(1 \begin{array}{lll}9 & 3 \\ 1 & 13 \\ 5\end{array}\) \\
\hline 4,667,9:0 & \(\begin{array}{llll}1 & 13 & 3 \\ 2 & 0 & 11\end{array}\) \\
\hline 4,141,165 & \(\begin{array}{ll}2 & 1 \\ 1 & 1 \\ 1\end{array}\) \\
\hline 4,760,365 & 11.8 \\
\hline 4,584, 9.936 & \(119 \%\) \\
\hline \(4.149,0 \% 0\) & 2
1
19 \\
\hline 5,114,390 & 11911 \\
\hline 4, 874,812 & 1139 \\
\hline 5,076,326 & 1138 \\
\hline 3, 3 , 54,171 & 3 1z1] \\
\hline 3,896,780 & 14
14
8 \\
\hline 4,105,237 & 18 \\
\hline 4,557,337, & 13 \\
\hline 3,912, \({ }^{\text {3, }}\) & 161 \\
\hline 3,979,41 & \begin{tabular}{lll}
1 & 5 \\
\hline & 6 \\
4 & 5
\end{tabular} \\
\hline 3,893,836 & 143
146 \\
\hline 4,093,836 & 18 \\
\hline  & \(\begin{array}{lll}1 & 5 & 1 \\ 1 & 10 & \end{array}\) \\
\hline 5,129,616 & \(1{ }^{10} 6\) \\
\hline 3,035,031 & 176 \\
\hline 5 5,576,950 & 131 \\
\hline 6,944,199 & 169 \\
\hline 6,135,227 & 12 \\
\hline 6,239,730 & 10 \\
\hline 6, 274,979 & 1 fil0 \\
\hline 5,65,162 & \(\begin{array}{lll}1 & 9 & 0 \\ 1 & 0 & 0\end{array}\) \\
\hline S,392,626 & 100 \\
\hline 5,585,386 & \\
\hline
\end{tabular}
be quite the other way. Aad it d that when fairly imposed, and extravagant height, these dutites e least exceptionable menas by renue may be most convenichly,

Lustums Duties on Sugar Imported into Great Britain and Ireland, imposed by Act 30 Vict. c, 10.
Canty, lirown or whit, refined sugsi, or sumar
renidered by any process equal In quality ther
 fourth clas
fixcise Duties on Sughr made in the United Kinydom.
Candy, hrown or white, rufised nus.sp, or hisar
rendered hy any procese equal in quatity theretu.
anil manufactures or rethiem sngar-
sysat not equal to retined, necording to the
sandard sanples approved hy the Lords of Than 'Treasury for masessing the dutios of rus. tomy on nugar tmported linto the United


The quantity of sugar consumed in Great liritain provionsly to the change in 18.5, nllowing fir the quantity sent to Ireland, was more than dusule what it was in 1790 . But liad tho duty contiaued at 12 s . 41. , its amount in that yenr, there cannot, we think, be much doubt, provided foreign sugars had also been admitted minder n reasonable duty, thant the consumption would have leen trebled ir more. During the intervening reciol the population had been little less than donllel, anal the proportion which the middle clases bear to the whole population had been dedidedty augmented. The consumption of colfeean article in the preparation of which a prent den of sugar is used in this country by all who can afforl t-is about 35 times as great now as in 1;90; that is, it has increased from mader \(1,000,000 \mathrm{lb}\). to about \(35,000,000 \mathrm{lb}\). The consumption of tea is more than sixfold; nud there has been \(n\) great increase in the use of lumpe-made wines, preserved and baked fruits \&c. lnitead, therefore, of haviug done little more thnu inctase proportionally to the inerease of populatim, it may be fairly presumed that the consumption of sugar woulli, had there not been some parerful countervailing cause in operation, have facreasel in a far greater degree. Instead of amounting, in 1844 , to little more than \(4,000,000\) ewt, the consumption of Great Irritain should have amominted to nbout \(6,000,000\) ewt.
Taking the aggregate consumption of sugnr in Great Britain previonsly to 1845 at \(400,000,000 \mathrm{lh}\)., aat the population nt \(20,000,000\), the average consumption of eneh individunl would have been about 20 lb ., ex molasses. This, though a far greater average than that of France, or any of the continental states, was but small compared with what it was supposed it would amount to when suppliel wuder a more liberal system. In workhonses, the customary annual allowance for each indiridual is, we believe, 34 lb ; and, in private families, the smallest separate allowance for domesties is 1 lb . a -w cek, or 52 lb . a -year. These ficts strongly corroborate what we formerly stated \({ }^{23}\) to the extent to which the consumption of sagar would probally be increased under the new spitell; and others may be referred to, that are hintle less conelusive. Mr. Huskisson observed, in his place in the House of Commons, on Mr. Grant's motion for a reduction of the sugar duties, May 25,1829 , that 'is consequence of the present evormous duty on sugar, the poor working man with a large family, to whom pence were a serious consideration, wns denied the use of that commodity; and he believed he did not go too far when he stated that Two-TIIRRD of the poorer consumers
of coffee drunk that beverage without sugnr. If, then, the price of sugar were reduced, it would beceme an article of thls consumption, like many other articles-woullens, for exmmple, which are now usedf for their chenpness-which he was tiormerly numble to purehase.' (Specehes, vol. iii. p. 4i.i.) Mr. Hiskinson's condelanions are now in the way of being tully realised. In 184, for exampte, the consumptifu of the United Kingdom nmomited to
 tons; in 1850 to 310,390 ; nul in 1851, when the duties were equalised, it amounted to 401,437 toms raw, and lis, ise do. rellned; while in the year to March 31, 1868, our consumption of sugar of all kinds exceeded 600,000 tons. Aad this, it will bo observel, is exclusive of nbout 20,000 tous molasses entered for consumption. And we may uhl, in ilhstration of the way in which this extraurdinary inerease has been effeetel, that while, in Lombin and other parts of the country, the sales of supar by the grecers who supply the higher classes have been but little extended, the sales by those who principally deal with the lower elasses have nurmented from 50 to 100, and, in some cases, to 150 and 200 per cent. This is the best possible proof of the salutary as well as of the powerful intluence of the reluction of tho duties. hat it is only what might have been anticipated; imasmuch as the consumption of the nore opulent elasses was but little aflected by the previous high duty.
In Irelant, especially, the most beneficinl effects have resulted from the reduction of the duties on sugar. The direct importations of sugar into Ireland did not, previously to the late changes, exceed 18,500 tons; and, alding to these 6 ,itll tons for the second-hand importations (including bastardgj from Grent Britain, which, we beliere, was quite as much or more than they amounted to, the entire consumption of that country would be 25,000 tons, or \(57,000,000 \mathrm{lb}\)., which, taking the then population at \(8,000,000\), gave \(\mathrm{F} \cdot 125 \mathrm{Ib}\). to ench individual; or nearly fof the nevare consumption of each individual in Great Britain. So singular \(n\) result must, no doubt, be principally nseribed to the poverty of the 1rish; but there can be no doubt that it was partly, nloo, owing to over-taxation. And the reduction of the duty, though it ocensioned an immediate loss of revenue in Irelaul, was sure in the end to be productive of its increase, besides being nttended with other and still more bencticial consequences. Next to the suppression of ngitution and nssnssination, the 'one thing needful' in Ireland is to inspire the population with a taste for the convenicuces and enjoyments of civilised life; and the tirst step towards supplying this desideratum is, if possible, to make articles of convenience and luxury attniunble by the mass of the people. If this be done, whether by a reduction of duties or otherwise, we mny expect that the desire inherent in all individuals of improving their condition will impel them to exert themselves to obtain then. A tnste for such articles will be gradually diffused among nll ranks; and ultimately, it may be presumed, it will be thought discreditable to be without then. It is probable, owing to the late extraordinary decrease of the population in lreland, :hat the deliveries of sugar may not be so great now as formerly; but if it be maintained at near its old level, it will show n great incrense in the consumption per individunl.
The Boarl of Inland Revenue made some elaborate enquiries with respect to the comparative consumption of sugnr and tea by the higher, the middle, and the lower classes. But it would be wrong to loy much stress upon the conclusions
resultiog from such investigations. At the bent they whould be regarded only as very rule alproximations. Even as anch, however, they are deserving of attention. We subyoin the result of the lloard's enguiries in as far ins they relate to sugar.
Propurtional Consumption of Sugar in Girvat Brituin by the lligher, the Mirdlle, and the Puoner or Workiny Chesses.

\begin{tabular}{|c|c|c|}
\hline Eingland & Nrodand & Urear Ifritain \\
\hline per cewt. & per cent. & per crat. \\
23 & 24 & 223 \\
30 & 40 & 54 \\
10 & 34 & 395 \\
\hline 100 & 100 & 100 \\
\hline
\end{tabular}

Mr. Ogilvie, a very intelligent customs oflicer, has male the following observations in regard to the consumption of sugar:-
'In England, sugar is generally used by the working classes la the raw or unrefined state, thoughthe preferenee for relined sugar is gradially and extensively increasing. In Lombon and other large towns, when refined sugar can be purchased for \(6 d\). per 16 ., it is universally prefurred; but when the price rises above that, the poor are obliged to fall back upon the raw.
- In Scotland, raw sugar is but littlo used, except hy the very poorest: inferior qualities of retined, known as "crushed lump" and "bastards," being generally used by tlie middling and lower classes, the use of loaf sigar being confined to the wealthier classes.
'In the nerth of Ireland, particularly in tho manufacturing districts around Belfast nut Londonderry, the produce of Liverpool and Greenock refineries meets with a large sale. In Limerick it is stated that \(t\) wo-thirds of the consumption consist of refined leaf and crushed; but in the other parts of Ireland raw sugar is the chicf article of consumption among the working classes, loaf sugar being consumed only by the rich, and by tho better classes of mechanics and farmers in their whisky punch. Among all classen, sugar is more an article of consumption than tea, because the peor use it with coffee and \({ }^{d}\) cocen as well as with tea, and among the rich it enters largely into many culinary preparations.' (Parl. Puper, No. 184, sess. 1857.)

United States.-Next to Great Britain, the United States are now, as previously seen, by far the largest consumers of sugar; and Leuisiana had become, previons to the commencement of the civil war and the abolition of slavery, a principal producing country.

Allowing 36,000 tons for molasses and maple sugar, and taking the population of the Union at \(35,000,000\), the total average consumption in 1868 has been estimated at nearly 31 lb . for each individual.

The crops of sugar in Louisiana are very fluctuating, being apt to 'a injured by frost. Probably the average prounce niay not, as previously stated, exceed from 170,000 to 180,000 tons. The refining business has inade rapid progress in the United States; so much so, that the produce of refined sugar has been estimated at about 170.000 tons.

It may, perhsps, be proper to state that these estimates, like others of the same kind, though nearly, are not to be considered as being entirely accurate; and \(t_{1} \cdot a\) best of them always differ more or less from each ,ther. Again, it does not follow that quantities entered for consumption in any one year are actually consumed in that period.

To decide this print we must know the atock on hume at the herinning mid cond of the rear. and these it is cither impossible or very dithende to lemin exaetly.

Cise af Nugur in Distilleries and Brewervis,-l|l a former cdition of thas work we expreswal sulves on this mubject as firlows: 'llow now if hugar ini thene entablinhimente, thomgh nat abo. lutely prohbited, is at present planed undor tre etrletions which are equivalent. to a prohibition There can, however, be po doulit that thase restrletions should be abolished, and free base given to the growers and inmporters of surar mid molasees, and, indeed, of everything edse, th convert them to any purpose to which they may be applicable. This has hitherto been whigectil to, except in periods of scarcity, partly frum a wish to promote the interents of the barley Lfowe and maltsters in this countro, and partly from the alleged risk of amuggling and lows to the revenue liut now that the policy, or rather impoilioy, if protection has been renonnced by the laphitature. and that foreign barley may be imported and employed in any way, under a nearly nominal doty, there is plainly no ground or putedete on which the agriculturists can olject to the usen: sugar ; and as respects the risk of framd and lass to the revenue, we do not think it amounts to much. In cases where sugar only is to be used in distilleries and breweries, the risk of fratul conld hardly amount to anything; and in the cases in which it is partly used along with malt or tars grain, or both, it would be easy, necing that the capacity of sugar to produce spirits and beet, as compared with malt and grain, is well known to take such precautions as would preventany hawant of frand worth talking about. Ibut, howevfr it may be carried into effect, it would seem to be indispeusable that the distilleries and breveries, as well as every other legitimate channd of em sumption carried on in the kingelom, should te open to all who raise or import sugar, or anytbing else, on their paying the customary rates of duty. This is the only way in which the interests of ite censumers, which are identical with thowe uf the public, can be effectually secured; and it is obvinus that, to carry out the great principle of the fretum of industry, it is not merely necessary to permit the free importation of colonial al Iother prolucts. but to allow them, after being imported, to be employed in any way their owners may think tit. Under this system justice will be done to all parties, and the public be supplied with the best and the cheapest articles.' And we are glad to have to state that this principle has since been fully carried into effect by the Acts 10 Viet. c. 0 , \(11 \& 12\) Vict. c. \(100,27 \& 28\) Vict. \(\mathbf{c}\). 18 , aad 31 Vict. c. 10 , to which we beg to refer.

Adulteration.-Sugar is an article which is especially liable to adulteration; and its high price during many years, coupled with the high duty, gave a powerful stimulus to this nefarious practice. Perhaps we might not be far from the mark, wero we to estimate the quantity of forelun matters intentionally mixed up with sugar, and sold as such in this country, previously to the late reduction of duties, at 10,000 or 12,000 tous ayear. Sago and potato flour are the artieles which have been most extensively used for this purpose. When mixed with sugar they give it a whiter and finer appearance; and, unless the doee be overdone, increase its price about \(4 s\). per crrt. It is extremely difficult to deal with an abuse of this sort. No doubt the fall in the price of sugar following the placing of the trade on a proper footing, and the reduction of the duty, have lessened the temptation to adulterate. But they
ve muat know the stueks on if anil rime of the renp, nind possible or vers" ilillioult to
istilleries and Ihrenterias,-lil lise work we expressuil amp. ct as follows: "l'lue Inso , lishiments, though nut illow nt jresent phaced under ro equivalent to a prolibiting -, be no lunlit that thase abolishoed, amb friee brave and lapoorters of sugar abs ed, of evorything clse, to purpose to which they may has hitherto been alicetul Is of scarelty, partly frum a interests of the barley crowno country, und partly from the fling and loss to thio reveture. solicy, or rather impulias, of renounced by the Larivature. trley ming bo imperted amd ay, under a nearly nomimal dy no ground or protente and rists can olject th the weons ets the risk of frami nal hoss do not think it namounts to ere sugar on! y is to be used in veries, the risk of framil could nything; aud in the enses in ased along with malt or tiw ould be easy, necing that the produce spirits until bect, as \(t\) and grain, is well knowh, to is as would prevent nny anmat king abont. But, howerfr it 0 effect, it would scem to be the distilleries nud lireweris, ner legitimate cliannc! of con\(n\) in the kinglum, should le e or import sugar, or auything If the customary rates of duty, \(y\) in which tho interests of the re identical with those of the rally secured; anil it is obvinus o great principle of the freetum ot merely necessary to permit of culonial an !other products, , after beines Imported, to be ay their owners may think fit. justice will be done to all bitic be supplied with the bes: rticles. And we are glad to this principle has since been fect by the Aets 10 Vict. c. 5 , 0,27 \& 28 Vict. c. 18 , and 30 we beg to refer.
igar is an article which is adulteration; and its high years, coupled with the hugh ful stimulus to this nefarious we might not be far from the stimate the quantity of forcion y mixed up witi sugar, ani country, previously to the Inte at 10,000 or 12,000 tons an potato flour are the articles host extensively usel for this xed with sugar they give it a earance; and, unless the dose se its price about 4s. per cwt. cult to deal with an abuse of the fall in the price of sugar ag of the trade on a proper eduction of the duty, have tion to adulterste. But they
have not wholly iemoved it, the matorinis emphased to minterate lwing dechledy chenper than suar, however ruppllei. In thís, as in must rates of the sort, the best mecurity against mbulturation is to deal ondy with grocers of the highost dharacter.
hifining of Sufur for Jome Consumption.-()t late years the reflinhag of liritish colonial sugar for (xpurtation lias whuliy ceased. Inderd the tide
 and in \(186738,5^{7} 6\), tons foreign reflual sugnt, principally froms IIoliand, Irance, nud lielgiturn, were taken for onr eonsumption, while we only expurted 8,632 tons of liritish rellued and candy sugar. Wut dexpite this cifcmmstance, the rethining of sugar for liome use is exteusively carrici on, und has increased considerably slnee tho reductinn of the diuties. At present ([868) there are inwarils of 50 reflning establlshinents In Great Iiritain, with a capital probubly exceeding l.j00, (0106). It is supposed that these extablishments will use in: the course of tho current year from 230,0001 to si0,000 tons raw sutgar, which wll proalace, exclasive of molasses and bastarila, from abont
 propurion of thls produce cunsists of what is culled 'crushed limpis;' a varlety of rethed sugar which is rapldly supersedling the tiner alescriptians of East Indian surar, nand even of West Indian museovadoes. Refined sugar js now used by very anay hamilies by whom it was formorly never tasted.
Accorling to the mean of several estimates-

Drawback or Bounty on the Exportation of Refined Ningur.alt may bo doubted whether the business of retining silgar for exportation has ever been prodactivo of any material mational alvantage to us. It was long snspectecl-inmi the fuct seems to lave been wufficiently esta-Wished-that tho drawhinck formerly nllowed on the exportation of refined sugar was greatre than the duty charged on the rnw sugar used in its manufncture; the excess being, in fact, a bounty paid to those engaged in the irade. Irotiously to 1826 , the drawback on donbie-refined sutgar was 46s. per cwt.: it was then rednced to thes; but there is renson to thiak that that was still conslderably above the mark. The average frice of sugar in bond in this country was, fir serepal years, from \(5 s\), to 68 , per cwt, above what sugar of the same quality brought on the Coutitinent; a difference which, as we then exported sugar: conld not have been maintained, hal it not beea for the bounty. The same conclusion was estahlished by trials made at a sugar-honse taken for the purpose by Government; and ia consequence the drawback was reduced to what was supposed to be the finir equivalent of the duties paid on the raw sugar; a measure of the expeliency of which no doubt can be entertained.
The existing bounties or drawbacks on the expotation of British refined sugur are as follows, siz.:-
Draubacks allowed by the Act 30 Vict. c. 10 on Refined sugur uthen Exported to Foreign Parts, or removed to the Isle of Man for Consumption
thereill, or Deposited in Customs' Wareluuse for therein, or Deposited in Customs' Warehouse for Delivery as Shipg' Stores, or for the purpose of streetening Briltsh Spirits in Bond.

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clasified and thoroughl dried in the stuve, and
beint of a uniform whiteness throughout and

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Most forcign comatrics have cmaleanured th bedster up the rething hasiness, but mercly by "xcluiling foreign retheed sugars trum their markrta, but ly granting the most livisht truntios inn the expurtation of sugar reflomel at-lume. In Framee, this sont of poliey, if we may so call it. Was carried so far, that out of a crises revenue of
 treasury on aceonat of the sugar duties in 183: alhut \(19,1110,000\) ( \(\mathbf{7}\) tio,000\%.) were riturned as drawlack on the export of retiued sugar. As the lirench Government conhl mot aflird to lose the sugar iluties, which would very eppedily have been swallowed up by the drawback, necessity compelled them to modity their system, by making the nllowance to the exporter mure nearly correspond with the duty. The retining of sugar has been carried on within the last few yenrs to a very great extent in Holland; but here also the busiuess has received ma munatural extension, by artificial encourarement.
I'russin, and most parts of Germany, to which we formerly exported lapge quantities of rellined sugar, no louger nolmit it exeept at a high duty.
Beet-Roor Sugab.-The manufincture of sugar from beet-root is carried on to a very considerable extent in several parts of the Cont'rent, particularly in France and tho Xorth of (iermany. It began in France during the exclusion of colonial products in the reign of Nnpolcon, and received a severo check at the return of peace, by the admission of West Indinn sugnrs at a reasonable duty. It is probable, indeed, that it would long sinco have been entirely extinguished, but for tho additions made to the duties on colonial and fireign sugars in 1820 and 1822. After the lastmentioned epoch, however, the production of beetroot sugar began rapilly to increase; and such was its progress, that though, in 1828 , its produce diu not exceed \(4,000,000\) kilos., it amounted in 1838 to \(39,199,408\) kilos. But this extension of cultivation, instend of being of any advantage, entailed a heavy loss on the public, inasmuch as the beet-root growers sold their sugar, which paid no duty, at the same rate that the colonists sold theirs, which paid a large revenue to the treasury. It was not possible that such a system could bo permanent. Aud the well-founded complaints of the colonists of the injus ice of which they were the victims, enforced by the rapid decline of the revenue derived from sugar, which, indeed, was threarened with total extinction, occasioned the imposition, in 1838, of a duty of 16 fr . 50 cents. per 100 kilos. (about 6s. 9 d . per ewt.) on beet-root sugar, which, in 1840, was increased to 27 fr . 50 ecnts, (about lls, per ewt.). But even this last
increase left a differential duty (or bounty) of 20 fr. per 100 kilon, in fivour of beet-root sugar, as compared with coloniul raw sugar ; so that, while the heet-root cuilfators aftirmed they should be ruined, the coloniste veliemently comiplained of the preference that was given to them. It was, indeed, known, from the facility with which the beet-root growers had previously eontriven to avido the duty, that its inerease would not be so injurious to them as was supposed; but the manufacture sustained notwithatanding a severe check, and sundry plantationa were abmudoned.

Hut further and still more consillerable chnnges have since been made in the conditions under which the culture of beet-root is carriod on. in Is.es it was proposed. in order to get rid of the diflenlties in which it had invoived the country, to prub up the plantations, paying the planters d \(0,0100,000\) fr. ( \(1,600,0001\).) as an indemnity for their loss. And this was at the time considered by mauy as the best and most equitable mote of dealing with what vas eonfessedly a very diflleult matter. It was not, however, ndopted; and next yonr it was resolved annually to raise the dity on bect-root sugar by 5 fr. per 100 kilos., till the duty on it should be equalised witin that on colonial sugnr. This new system came into operation on Augnst 1, 18.44; and in August 1848 the nominal equaliantion of the duties was eflected. It was very generally believed at the time lint this measure would go far to annibilate the production of beet-root sugar; but such hass not been the case. The falling off in the supplies of sugar from the French colonies which took place in tho 5 or 6 years immediately posterior to 1848 , when the slaves were emancipated, and the high differential duty on forcign sugars, were very favourable to the beet-root growers, and gave them, indeed, a moll led monupoly of the home market. l'iese, which were muecrtain and evanescent advantages, disnppeared with the inereased production of sugar in the Isle of Réunion (llourbon) and the diminntion of the differential duties. Owing, however, to the very great improvements that had been effected in the interval in the production of beet-root sugar, it was not injuriously affected by these circumstances, and has contiaued not only to keep its ground in competition with colonial and foreign sugars, but to make a rapid inerease. It is alfected, of coursc, by variations in the seasons, in the price of corn, and other circumstances. But such was its progress, that in 1858 (certainly an unusually favourable year), the crop was estimated at \(151,514,436\) kilos., or about 150,000 tons; and in 1868 sufficient land was sown to expect a production of 300,000 tons. And besides France, the production of bect-root sugar is largely carried on, and is increasing in Belgium, which produces about 40,000 tons per annum, and in Germany and Russia. A table in the Report of Mr. Secretary of Legation IRaillie, of December 1868, shows that the production of raw sugar in the Zollverein, in the 2 yenrs from September 1 to August 31, 1866 and 1867 , was 3,713,912 centners and \(3,900,000\) centners. Sce also Mr. Secretary of Legation lenton's Report of June 1868, on the manufacture of beet-root sugar in the States of the Zollvercin. Hence it would appear that what was long considered as a enrt of exotic industry, introduced when eolonial sugar was excluded from the Continent, and depending in great measure on custom-house regulations, will most probabiy become a well-established, leading, industrial pursuit. This is a very unprecedented result, and oue which we certainly did not anticipate. There are very few instances in the history of industry, of any important business or employment, origi-
nating under such peculiar \(r^{\prime}\) rounstances, being able to maintain its ground after they have ceased to exist. Whether, itsiced, it be really worth the sherifices that have been incurred in its eatahifishment, may be fairly doubted. At ali events, in thls caso they appear to inave been autlicion to insure their objcet.

Ilut, though the beet-root sugar of France and the Continent generally were ionded with the sans duty as colonial sugar, and though its culture wore notwithstanding extensively prosecutel, that would give no comintenance to the opinion of those who contenil that free labour is universally av effective in the production of sugar as slave of compulsory labour. The question which the Legislature and people of America had to consider, was not between the efficiency of free and alswe Inbour in Europe, but between free and alave Jubour in the Intertropical regions of the New Worki. Almitting that the free labourers if France and l'russia ralse sugar ns cheaple as the slaves of Cuba and Irazil, does that aftord anr aolld ground for concluding that the blacks of Louisiana and Texas, now that they are really free, will be equally successful in thelr competition with them? There is plainly no analogy betwe n the cases. And our conviction is, as previously statel, that without compulsory labour of somie sort or other, not a pound of sugar wili eventuall.: be raised either in Louislana, or in our culonies if anywhere else in America.

Sugar raised in the United Kingriom ja charged with the like duty that ts laid on colonial vugar.

Maple Sugar.-A species of maple (Ater sacchurinum, Linn.) yields a considerabie quantur! of sugar. It grows plentifully in the United States and in Canada; and in some distrits furnishes the inhabitants with mo * of the supar they make use of. Though inferi th ing gain and strength to that which is p from the cano. maple sugar granulates bu 1 that of the beet-root, or any other vegetaus, the cane excepted. It is produced from the sap, which is obtained by perforating the tree in the spring, to the depth of about 2 inches, and setting s ressel for its reception. The quantity afforded vanes wlth the tree and the season. From 2 to 3 gailons may be about the daily average yield of a single tree, but some trees have yioliled more than 20 gallons in a day, and others not more than a pint. The process of boiling the juice does not differ materially from what is followed with the cane juice in the West Indies. It is necessan! that it should be boiled as soon after it is drawa from the tree as possible. If it be allowed to stand above 24 hours, it is upt to undergo the vinous and acetous fermentation, by which its succharine quality is destroyed. (Bouchette' British America, vol. i.p. 371 ; Timber Trees and Fruits, Library of Entertaining Knouledge.)

The following is an extract and relative list of prices in January 1868 and 1869, from the Circular of Messrs. T. \& H. Littledale \&: Co., of Liverpool, January 7, 1869:-
'Sugar.-The past year (1868) has beed one of general disappointment to the importer aad refint: alike. In the spring there was a rally of 1 s. U \(2 s\), but it was soon lost, large arrivals subsequently taking place in excess of general expectation, and chiefly from Cuba, where the crop turned es: 75,000 tons larger than the previous year, bein! estimated at 670,000 tons, agaiust 595,000 tors. The total import has been about 55,000 tons grater than in 1867, and the consumption, partly through an indifferent fruit season, \(20,0 \mathrm{C} U\) tons less. The stock in the four ports is 147,000 tons, sgainst 123,000 last year, 178,000 in \(1867,189,000\) in

SL゙G.MI:
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whit, ant 212,000 in 18in. \({ }^{2}\). The ant-turn frum lieft was 10,1000 thint lens than in 1 stio, being memmated at 630,060 toms, agulast \(\operatorname{billl}, 000\), and for the presmit. scasom is expected to show a fisther deticiency of 30,000 toins. 'Tho aceounts tom Mauritias point to a deficiency of \(\mathbf{d}, 0,000\) tuns, the ewtimate of the crop lowing 25,000 tonn,
 apoken of; but there la conslderndile anxiety lin the bland, occanimed live the parthal revolutionary -pirit amongst the slaves. Ithe comsmapitinn of the
 the previons year, and sill nomorb niny fierenow trom lamiaina nul whes groducing distrinta ita ahat comery:.


Prices Curvent of the different Varieties of Sugar in the London Market, on April :2, 1864.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline sugar, ungle reflined: Hfown tursus & - & & \[
4
\] & & & \\
\hline firoucty \({ }^{\text {a }}\) & - & & \(1 i\) & & 47 & \(n\) \\
\hline Hambio' losver & - & - " & dit & \({ }^{6}\) & : & 6 \\
\hline Titters - & - & " & \(4{ }_{4}\) & 0 & \(4!\) & \({ }^{11}\) \\
\hline Hiet lumpur & * & \({ }^{\prime}\) & 44 & " & 43 & 0 \\
\hline Lover, Phuch & - & " & 15 & 11 & \({ }_{4 i} 11\) & 6 \\
\hline French & - & & 43 & \({ }^{\text {fi }}\) & 41 & 1 \\
\hline lieces & - & " & 5 & \({ }^{\text {i }}\) & \({ }_{31}^{10}\) & 0 \\
\hline Mistirds & - & " & 31 & \% & 31 & 6
6 \\
\hline Chithed (lonel) & - & " & 31 & 6 & 38 & 6 \\
\hline luatch cruibed (bond) & & & 317 & \({ }_{5}\) & sid & 0 \\
\hline Treacte, lurithe & - & - " & 17 & 6 & 19 & 0 \\
\hline scum for liediny & - & & 13 & 1 & 19 & 0 \\
\hline Mulanmi, Wex India & & - " & 17 & 0 & \({ }^{16}\) & 0 \\
\hline Fast India and Forelgn & - & & 15 & 0 & 18 & 0 \\
\hline West India raw 1 & & & & & & \\
\hline tine setiow - & - & " & 37 & I & 34 & 0 \\
\hline poed "\% \({ }^{\text {a }}\) & * & & 8 & 0 & 36 & 6 \\
\hline Luw to inddlling & - & - ". & 31 & 6 & 33 & \({ }_{6}\) \\
\hline good hrown - & - & & 33 & 0 & 31 & 6 \\
\hline Lrawn - & & - " & \(3!\) & 6 & 32 & 6 \\
\hline cryatalised. & & & 3.3 & 6 & 43 & 1 \\
\hline Mauritius, Lruwn & - & " & 49 & 5 & 3. & \({ }^{6}\) \\
\hline yetlow & - & & 51 & 0 & 37 & 0 \\
\hline Penung mame & - & & 36 & 0 & 1.3 & 0 \\
\hline Pennug, Lrown & : & - " & 31 & 0 & 3.3 & 0 \\
\hline \({ }_{10}\) yrlow \({ }^{\text {a }}\) & - & & 30 & 0 & 31 & 0 \\
\hline Iarannah, white fin bond) florets (duty paid) & - & - "" & 12 & ( 6 & 4.3
41 & 6 \\
\hline brown and yellow (duty pald) & - & " & 32 & 6 & 37 & 6 \\
\hline Bhhid, white & - & & 36 & 0 & 39 & 6 \\
\hline hroun and yellow & - & , & 31 & 6 & 35 & 6 \\
\hline Pemantiond 1'araiha & & & 27 & 0 & 31 & 1 \\
\hline Nanllia riayed & - & & 31 & 0 & 34 & 6 \\
\hline Jaralayed & \(:\) & & \(2 ;\) & 6 & 4 J & 0 \\
\hline  & - & * " & 34 & 0 & 37 & 0 \\
\hline sam and China & - & & & & 3 & a \\
\hline Nadrax & - & " & \(2 \%\) & 0 & 29 & 6 \\
\hline Girocety & - & - & 33 & 0 & 59 & 0 \\
\hline \({ }_{\text {Prenang }}\) & - & - ", & 30 & 0 & 36 & 0 \\
\hline
\end{tabular}
N.H.-Whatever may be thought of the spectulative parts of this article, we flatter oursclves
that ina practloni and more important purtion will the bonnd to bo as accurate as ditenlal well lise minelo.
 sclawefo! Ital, zolfo. nolfo: Span. azufre; Aral. kibreme). A eryatallised, haril, britile molowtance, enmmonly of a greeniah yellow colonr, without any smell, an! at a weak thongh prepeptible


It burus with a pale blue tlans, and emits a
 In seme purts of laty amb sicily it is dug ip in a ktate of eompurative purity, 'That which is manufincured in this eomery is obtalned by the ronsting of pyrites. It is denominated rough or roll sulphur, from its heing rast lin evlindrical monlidx. The Jalian roll sulphar dees mot contain inore than il per cent. of a simple earth. and is in ligher estimation than the lingitish. When roll sulphur is purithed, it receives the name of sublimed sulphur, and fo in the form of a bright yellow powiler. ('l'homson's Chemistry; Watts's Dictiomery of C'hemistry; \&e.)

Sulphur is of great importance in the arts. It is used extemsively in tho manufacture of gunpowier, and in tho formation of sulphuric aeid, or oil of vitriol. It is also used extensively in modicine, and for other gurposes. The entries for heme consmaptions amonnted, at an everage of the three vears ending with 1812, to \(333,731 \mathrm{cwt}\) a-vear. lise duty on retined or "roll brisnstone wis rednced ia 1812 to 2.8 , per cowt, and that oll rough himstono to did, per cwt, nud they have sinco been wholly repealed. In 1867 our imports amounted to \(1,166,729 \mathrm{ewt}\)., valued at 380,5831 .. of which \(1,152,111\) cwt. were brought from Sieily.

The mines of sulplur in Sicily have been wrought for soveral centaries; but it is only since 1820 that any considerable quantity has been prepared for exportation. Subsequently to 1833, tho trade with this country inerensed no much that the export of sulphur to tho United Kingdom rose from 19,120 tons in that yenr to 38,654 tons in 1838. We have elsewhere [1'alemion noticed the way in which this rapidly prowing trade was interfered with by the Neapolitan Government. lackily, lawever, the monopoly in favour of the I'rencli compnay was abolished in 1841, and the trade, as seen ahove, has since reverted to its old chamels. The total exports of sulphur from laty (almost entirely from Sicily) in 1865 were 145,316,635 kilos. The prodnce of sulphur in Austria in 1864 was 37,802 Vienna cwt. (See also Mr. Secretary of Legation Middleton's Report of December 31, 1866, on the Sulphur Deposits of Mexico.)

SYDNEI. The capital of New South Wnles, and of the British settlemente in New Holland, or Anstralia, on a cove on the south side of Port Jackson, about 7 miles from its mouth, lat. \(39^{\circ} 51^{\prime}\) S., long. \(151^{\circ} 14^{\prime} \mathrm{E}\). Population in 1856, 53,358 , and in 1861, including suburbs, \(\{13,202\).
Owing to \(n\) want of attention at first, the strcets of Syduey were laid out, and the honses built, nccording to the views of individunls, without any fixed or regular plan. But latterly this detect has been to a considerablo degree remedied in the old streets; and the new ones are systematically lail out. The town eovers a great extent of land; almost every house having a considerable plece of ground attached to it. tichools for the instruction of poor children have been estrblished, and there are, vesides two esablishments dignified with the poupous titles of colleges, numerous seminaries, some of them said to be very well conducted, for the education
of the midale and upluer classes. There are several newspapers and other periodical publicisions.
Sydney is admirably adapted for the capital of a great trading colony. l'ort Jackson is one of the finest matural basins in the worli. it stretches about 1.5 miles into the country, and has numerous crecks and bays; the anchorage is everywhero excellent, and ships are protected from every wind. The entrance to this tine bay is between two gigantic eliffs, not cuite 2 miles apart. On the most southerly, in lat. \(33^{\circ} 51^{\prime} 11^{\prime \prime}\) S., long. \(151^{\circ} 18^{\prime} 15^{\prime \prime} \mathrm{E}\)., a lighthonse, with a revolving light visible 21 miles off, was crected in 1817, the lantern of which is elevated 76 feet above the ground, and about 345 fect above the sea; and on the inner sonth heald there in a fixed light visible for 14 iniles. The bay is navigable for shins of any burden to the distance of 15 miles irum its natrance, or 7 miles above Sydney, if what is called the l'aramatta Yiver. Ships come close up to the wharves and stores of the town, their cargoes being hoisted from the ship's hold tmo the warehonses. Syducy is consequently the emporium of nll the set lloments in this part of Australia, and has a very extensive trade.
Down to the diseovery of the gold tields in 1851, wool was by far the most important proluct raised in the colony. The increase of cattle and sheep, but especially the latter, in Australia, has, in truth, been altogether extraordinary. Previonsly to the arrival of the English settlers in New South Wales in 1758, neither hurse nor cow, sheep nor hog, hal ever set foot on the continent. The stock they brought with them was limited in the extreme, ennsisting enly of 7 horses, 7 head of cattle, 29 shecp, 19 goats, nud 74 pigs. Aud
from this late and seanty stock, assisted by a fens Nabserguent importations, have bien derived all the vast mumbers of sheep and other nsefful mimans now to be fennd in the Australian continent. For a while the rate of increase wa, comparatively slow. But from 1810 down to the present time, the multiphication of sheep and :"1er stock, especially the former, has been rapil beroul all precedent. This is shown by the following

Account of the Shcep's Wool Annually Importel from Australia into thc United Kingdom sime 1818.
\begin{tabular}{|c|c|c|c|c|c|}
\hline Years & Quantly & Years & Quantily & Years & Quanily \\
\hline 1418 & \({ }_{86,5,25}\) & & 7, \(3^{12} 7,423\) & & 47.06 \\
\hline W, & ( 99,45 & \({ }_{\substack{1889 \\ 180}}\) &  & 14, & 隹 \\
\hline \({ }^{1886}\) & \({ }_{\text {cosem }}\) & \(\substack{2817 \\ 1842}\) &  & - & coick \\
\hline  &  & (1843 & \% & , &  \\
\hline (1xy &  & (1845 & 27, & 18. &  \\
\hline \({ }_{1}^{1 \times 31}\) & 2, 2 &  &  & \({ }_{1 \times 61}^{1 \times 6.4}\) & \({ }^{66}\) \\
\hline 18 &  & 1818 &  & \({ }_{\substack{1862 \\ 1465}}\) & 7 \\
\hline \(1 \times\) & 3, 3 & 4819 &  & \({ }_{1}^{1861}\) & , \\
\hline 1437 & \({ }_{\text {a }}\) & 1851 & \(\underset{4}{41,810,137}\) & \({ }_{1}^{1866}\) &  \\
\hline
\end{tabular}

Down to 1851 the colony of New Sunth Wiales comprised the extensive province of l'ort lluillij). now Vietoria. But the latter was then separased from the former, and formed into an independent State, with a governor and legislature of its own. Anl the district called Moreton, on the aorth, was separated from it in 1859, and formed int the independent colony of Quecnslanl. [Sec alo bhisbane; Mhlaloune.]
We subjoin a

Tithe Mastrative of the i'rogress of the Colomy from 18.15 to 1866 inclusive.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline Years & \(1{ }^{\text {rapuramion }}\) & \[
\begin{aligned}
& \text { Value of } \\
& \text { EAphits } \\
& \text { (wxtusive of } \\
& \text { slecie) }
\end{aligned}
\] & Value of Imports & Value of lmperts, l'roctuce ar Manuficture ut the Unitud lingriom & land in Culcivatun & Value of Expurts of Wool & Value of Exprorts of 'Jallow & Prohtice of Land sales & Heverts from C.eath, thens, and Dus Rents \\
\hline \[
\begin{aligned}
& 1815 \\
& 1450 \\
& 14.56 \\
& 1456
\end{aligned}
\] &  &  &  & \[
\begin{gathered}
4 \\
614,914 \\
361,361 \\
3,4,5,359 \\
2,917,77
\end{gathered}
\] & acres
\(1.45,237\)
111.617
185.015 & \[
\begin{array}{r}
x \\
611,705 \\
745,031 \\
1,313,370 \\
2,346,105 \\
\hline
\end{array}
\] &  & \(\xrightarrow{(1) 101}\) & 29,
11,16 \\
\hline
\end{tabular}

The value of the exports of tallow in 1565 amounted to 131,9;62.
The revenue of the coleny amounted in 1866 to the late district of Port Phillip, now the collny \(3,253,170 l\), and the expenditure to \(3,012,5711\). of Vietoria, down to the year 1850 inclusive, anid N.B.-The returns of the population include that of Qucensland down to 18050

Trade of the United Kingdom with New South Wales.
Account of the Quantitics and Valucs of the Principal Articles Imported into the United Kinglom from New South Wales (exclusive of Quecnshond) in each of the 3 Years ending with 180ī.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{} & \multicolumn{3}{|c|}{Quantities} & \multicolumn{3}{|c|}{Computed Heal Value} \\
\hline & 1815 & 1866 & 1867 & 1865 & 1566 & 1867 \\
\hline & & & & \(\boldsymbol{\varepsilon}\) & \(\pm\) & \(\boldsymbol{E}\) \\
\hline - tuns & 310 & \begin{tabular}{|c}
182 \\
\\
\hline 109
\end{tabular} & 149 & 2.252 & 1,461 & 1,24f \\
\hline Colper ore end reguins
unw rought and part wronght : & 1,917 & 3,009 & 2,870
1,1137 & 31,057 & 38,54 & 31,43, \\
\hline  & 3,304 & - 3,821 & 1,017
5,169 & 19,136 & 41,037
27,069 & 74, \\
\hline Gum, kowrie - - . & 18,940 & 13,948 & 6,243 & 4.3, 568 & 31,338 & 21,205 \\
\hline - - - " & 740 & 70 & 458 & 1,301 & 210 & 1,319 \\
\hline Hides, not tanned - & 74.109 & 71,492 & 55,356 & 131,516 & 134,135 & 100, 43 \\
\hline tanned, tawel, curried, or dressed its. & 21,356 & 97,413 & 231,121 & 809) & 3,794 & \(8,4 \% 0\) \\
\hline \begin{tabular}{|c} 
Iron, cliromate of \\
Oil, cotoa-nut
\end{tabular} & 21.551 & \(\overline{24,557}\) & \(\overline{30,067}\) & \({ }_{50,696}^{706}\) & & 68,176 \\
\hline On, \({ }_{\text {spermacell }}\) or head matter & 2151 & 24,37 & 30,067 42 & 50,696 & 51,645 & 68,126
4,599 \\
\hline traln or uluhiner - - \# & & 110 & & 191 & 4,011 & \\
\hline Skins, sheep, undressed - * nu. & 33,437 & 52,308 & 55,869 & 4,902 & 8,148 & 8 8,68 \\
\hline Tallow cwit. & 86,268 & 23,514 & 27, 6 ¢ 4 & 181,926 & 51,184 & 59,174 \\
\hline 'Tortoisenhell or curdeshell, unmanufact. it.. & *-5.53 & 4,015 & 7,106 & 2,921 & \(4{ }^{4}\) & 4,ity \\
\hline Whaletins - cwl. & 119 & 102 & 173 & 2,114 & 2,135 & 2,940 \\
\hline Wood : stringy hirk, red and bue gum, anil other wroods for shlphullding: loads & 687 & 5.10 & 162 & 6,370 & 1,817 & \(9 \%\) \\
\hline Woal, sherp and lambis & 26,024,103 & 25,529,524 & 32,080,137 & 2,152,964 & 2,320,105 & \(2,782,034\) \\
\hline All ocherarticles - - vilue & - & - & - & , 39,530 & 54,372 & 513, \(3^{4}\) \\
\hline T'otal & - & - & - & 4,7113,247 & 2,783, 2 29! & 5,316, (116 \\
\hline
\end{tabular}
stock，assisted by a few ，have been derived all ，heep and other ussefiul und in the Australian tho rate of increase wis 3ut from 1810 down to altiplication of she＂p and ho former，has been rapiol ＇This is shown by the

Wool Annuutly Imported the United Kinydum simere
\begin{tabular}{|c|c|c|}
\hline Quantily & Years & Quantily \\
\hline & & \\
\hline  & \({ }_{\substack{1 \\ 1 \times 34 \\ 1 \times 50}}\) &  \\
\hline 边， & cosk &  \\
\hline － & &  \\
\hline cintixa， & &  \\
\hline 21，x，5，2，74 & \({ }^{1 \times 61}\) &  \\
\hline cele & \({ }^{\text {x }}\) & 边 \\
\hline comer &  & （19， \\
\hline 41， & （xict & （13， 12,16 \\
\hline
\end{tabular}
olony of New Suath Wides ve provinee of Port Plithip， te latier was then separated formed into aut iudependent \(r\) and legislature of its＂wn． ed Moreton，on the north， it in 1859，and formed int y of Queensland．［See also inve．］
to 1866 inclusive．
\begin{tabular}{|c|c|c|}
\hline Vnlue of
Expurts of
Hallow & l＇roluce of Land sales &  \\
\hline  & － &  \\
\hline
\end{tabular}

Port Phillip，now the culony the year 1850 inclusive ant fown to 1850 ．

Wules．
ted into the United Kiaglom Years euding with \(180 i \mathrm{i}\) ．


Account of the Quantitios und J＇alures of the Princiunl Foreign Artiches Fxported from the United Kiughtrm to Newe Sonth Wiules clariay rach of the 3 Years ending with 1867 ．


Acrumbt of the Qumutities and Vilues af the Prineipal Articles af british Produre and Mumu－ fucture Expurted from the Unittel Kiugrdom to New South Wulex（exelusive of Qucenstund） during earth of the 3 Years endiug with 1866.


Statment of the Quautities of Gold Exported frum New Suath Wates and Yictoria since the commencement of the Discoveries in \(18{ }^{5} 1\).
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Year} & \multicolumn{2}{|l|}{New South Wales} & \multicolumn{2}{|c|}{Micorth} \\
\hline & Ounntity & Value & Ounntity & Value \\
\hline & 111，200 & & 145，\({ }^{\text {02，}}\) & \\
\hline ，mint &  & \({ }^{\text {a }}\) &  & \\
\hline 1， \(1 \times 5\) &  &  &  &  \\
\hline Sis & \({ }^{6}\) & 边 &  & 边 \\
\hline \％ &  & 993， & \％ & chen \\
\hline \({ }^{\text {\％}}\) ， & \({ }^{435,943}\) & 1，6is， 078 & R， & 9，1\％2 \\
\hline ，\({ }^{\text {s，ii }}\) &  & i， & ， & 7 \\
\hline & 693， & 2，715， 137 & i，662， & 6，if9， 6 ，\({ }^{\text {a }}\) \\
\hline \(1 \times 1\) & cisk & － & 1，62， & 边 \\
\hline \({ }_{165}\) & 689 & 2，\(, 177,668\) & ，3，36， & 6， 276,948 \\
\hline & & & & \\
\hline Total & 461,74 & \(2,170,165\) & 1，433，687 & 993 \\
\hline
\end{tabular}

The establishment of a mint at Sydney will account for the small anoumt of gold exportel in 1855 and 1856.
The colony is naturally better suited for pas－ turage than for tillage，and，in consequence， considerable quantities of corn and rice are im－ ported from Van Diemen＇s Land and other places．But we may remark，by the way，that the preference given to pasturage has been in no inconsiderable degree oecasioned by the policy（if so we may designate a worthless compound of pelantry and quaekery）that has been pur－ sued in regard to the sale of waste lands in the colony．We have elsewhere slawn that when the minimum price charged for these waste lands， 4 or 5 atres of which are required to depasture a single sheepwas，fixed at no less than 20 s． an acre（！），the purchase of land for agricultural purposes comparatively ceased；and it was taken
in large tracts for grazing by lessees, or squatters. In consequence the progress of cultivation, and the settlement of the colony, have been seriously interrupted by this system; while, instend of concentrating the population, as we were told it would do, it led to its all but indefinite dispersion. But a fello-de-se poliey of this sort camnot be long maintained. And when it has been abaudoned, a fresh stimulus will be given to arriculture aud emigration, and the prosperity of this and the ether Australian colonics will be materially inereased.
Considering the character of a large preportion of the population, one need not be surprised at the circumstance of drunkenness being a prevalent vies, and consequently that spirits and wines are very largely imported. The other great articles of importation are manufactured goods and apparel of all sorts, hardware, earthenware, saddlery, books und stationery, carriages \&c., from linglanil; tea from Chima; and sugar from the Mauritins and Calcutta.

The value of the imports into Syluey exceeded for a lengthened period the value of the expurts; the execesy of the former beins, in fact, the nmount of the remittances from this country on aceount of the convict estillishment. But since the latter was suppressel, the value of the exports lias been equal to that of the imports, and now grently exceeds them. Occasionally there has been a great deal of overtrading at Sydney; and the revulsions consequent theren have been quite as ruinous there as in England and elsewhere. 'there are several banks in the town, and a snvings' bank.
\(P\) opulation fee,-The Iritish settlements in New South Wales were originally intended to serve as penal establishments, to which convicts might be transported, and employed in public and private works; and were, till very lately, used for this nurpose. The first vessel with conviets arrived at Botany Bay in January 1788; but it having been found to be quite unsuitable as a site for a colony, the establishment was removed to Port Jackson. Conviets of all sorts continued to be sent to the latter till 1839 ; but from that period down to 1843 none were sent, except those who had been eontined in P'entonville and other penitentiarics. In the last-mentioned year the system entirely censel; and from that period no conviets have been sent to Sydney. During the period that transportation continued in force, 54,583 convicts, of whom 17,092 were males and 7,491 females, were carried to Sydney. In 1846 the convicts of all classes in New South Wales nmounted to 10,555 , of whom 6,500 were liberated in 1848; and the resiilue had been reduced to 1,708 in December 1851 . Convictism (to borrow a colonial phrase) has, therefore, terminated in New South Wales; but the taint it has imparted to the population will not be easily effaced.
The total population of the colony of New South Wales, ex Victoria, amounted, in 1866, to 431,412 , of whom 239,820 were males. The progress of the colony has been much more rapid than might have been anticipated, considering the character and habits of the conviets numally landed upon its shores, the difficulties which the great distance from England interposes in the way of an immigration of voluntary settlers, and the inferiority of the soil. Owing to the circumstance of the great majority of the convicts and other emigrants being males, a great disproportion has always existed between the sexes in the colony, whieh has materially retarded its progress, and been, in other respects, productive of per-
nicious results. Government, however, availin? itself of the assistance of benevolent indiridual? at home aud in the colcuy, has within these fem years materially lessened the dispropertion referred to, by sending out considerable numbers of young unurarried females free of expense. Huch, it was obvious, of the influence of this measure was is depend on the discrimination with whith the female emigrants were selected; and varims, precautions were taken, by the organisation of committecs, and otherwise, to exclude tron amongst them those whose eharacter was in any degree suspicious. It could not be expected that these precautions sloould be completely successful; and very conflicting accounts hare been received as to the conduct of the femate, on their landing, and the influcnce of their immigration oa the colony. But though the results of the seheme may, in some respects, have fatton short of the anticipations of its more sanguine promoters, there can be no manner of douth that it has been, on the whole, decidedly adrantageons ; and that it has tended both to increase the population and to improve the morals of the coleny.
Emigration to New South Wales, indlependenty of the allurements of the gold fields, holds out several advantages to the industrious cmigrant, whieh, ugain, are partially countervailed br some disadvantages. There has been at all times a pretty brisk demand for labour; wages, though nat extravagant, have been ligh; provisions, ex. eept in yenrs of drought, have been moderately cheap; and the climate is mild, moderately healthy, mud suitable for Europcan constitutions. The drawbacks are-the immense distance from Europe, and the consequent cost of the vorage: the gencral inferiority and exorbitant price of land, which will no doubt be shortly obriated; the frequent recurrenee of droughts; and, porhaps, also, the taint of convictism, in a lare portion of the population, The grenter milid. ness nad salubrity of the climate appears to be the principal reeommendation in favour of emigrating to Anstralin rather than to Canada or the United States. Whether this be a sufficient counterpoise to the disadvantages attending it is a point which we do not presume to decide, but which deserves the scrieus consideration of intending emigrants. It seems to be the unanimons opinion of everyone nequainted with the colon!, and entitled to be heard upen such a subject, that: 'in every case, emigrants of every sort will fnd it for their interest to come out narried.'
The stimulus given to immigration by the discovery of gold has been less felt here than in Vietoria; but it has, notwithstanding, been very powerful. Still, it is impossible, to form any conjecture in regard to its continuance, as thit must in great measure depend on the future prit ductiveness of the fold fields. But whether it continue about stationary, diminish or increase, it is plain that the demand of those engared in the search for gold, for provisions and other articles of aecommodation, camot fail in the end to give a corresponding impulse to ceet braneh of industry, and to re-establish that gencail equality, taking all things into account, which usually subsists between wages and protits in different departments. How prosperous soever the 'diggings' may be, the labourers drawa to them in the first instance from agriculture anl other pursuits will be sure to be restored to the latter, or replaced by others.
Moneys, Weights, and Measures,-Accounts are kept in sterling money; the Syduey mint coining large quantities of sovereigns, which are now cur-
ernment, however, availing of benevolent individual coleny, has within these few ssened the elisproportion out considerable numbers oi nales free of expense. Mueb he inthence of this measur te discrimination with whie is were selected; and vanum ken, by the organisation therwise, to exclude fron ase whose character whs if us. It could not be expecte? tions should be completely ry conflicting accounts have , the condluct of the feanle nd the influence of their im lony. But though the result in some respects, have fallen ipations of its more sanguine an be no mammer of doabt the whole, decidedly advantat has tended both to increase d to improve the morals of
ew South Wales, inclependeatly of the gold fields, holds out s to the inchustrious emirrant, partially countervailed by There has been at all times and for labour; wages, thoush lave been high; provisions, eslrought, have been moderatly climate is mild, moderately ble for European constitutions. re-the immense distance from onsequent cost of the vorace: iority and exorbitant price of 10 doubt be shortly obriated; arrence of droughts; and, peraint of convictism, in a large ppulation. The greater mild\(y\) of the climate appears to te mmendation in favour of emi lia rather than to Canada or the Whether this be a sufficiert? he disadvantages attending it is - do not presume to decide, bat he serious consideration of in-

It seems to be the unanimous pre acquainted with the colony, heard upon such a subject, that migrants of every sort will find t to come out married. iven to immigration by the disas been less felt here than in has, notwithstanding, beea verc it is impossible, to form any ard to its continuance, as that asure depend on the future prit ie gold tields. But whether it tationary, diminish or increase, the demand of those cugaret gold, for provisions and other mmolation, camnot fail in the orresponding impulse to erct , and to re-establish that general all things into account, which between wages and protits in nents. How prosperous soever nay be, the labourers drawn to instance from agriculture amb Il be sure to be restored to the 1 by others.
its, and Measures.-Accounts are noney; the Sydney mint coining of sovereigns, which are now cur-
rent coin, and legal tender in the mother country, as well as Australia, but Spanish iollars are abualant. They pass current at iss, each. The weights and mensures are the smo as those of England.
[Chbonits; ThmfFs; Cohonlal.]
SHRA, the anciont Syros, one of the islands of the tireek Arehipelago (part of the motern kiagdom of (ircece), w se salubrity and fertility have been celebrated by 1 tomer (Pope's Odyssey, how xs. 438 (s.), in the group called the Northern Cyclades, 15 miles W. from the greater belus, its port, on the east side of the ishand, being in hat. \(37^{\circ} 26^{\prime} 30^{\prime \prime}\) N., long. \(21^{\circ} 57^{\prime} 1 \%\). It is from 9) to 10 miles in length, by about 5 in breadth. Though rugred, it is carofully cultivated, and produces garden stuffs, wiae, olives, figs, cotton sco, with a little barley. The population in 1830 was set down by Mr. Urqualart at 4,500 ; but in 1861 it had risen to \(\mathbf{1 8 , 5 1}\).
lt is indebted for this extraordinary inerease of poprlation to the convenience and excellence of its port and its central situation, which have made it a considerable commercial entrepot. Though small, its harbour is accessible to line-of-battle ships. The holding ground is good, and it has in its centre about 10 fathoms water. Merchantmen of from 400 to \(\mathbf{5 0 0}\) tons burden moor within abont \(100)\) rids of the wharves. Winds from the S.E. round to E.N.E. throw in a heavy swell; but the port is welt protected from winds from all other points. A lirghthonse, with a revolving light, visible 20 miles off, has been erected on Gaidaro island, about \(1 \frac{1}{2}\) mile S.E. from the port, and there is a red tixed light on the East Mole. Most part of the trade that formerly centred at Scio, is now carried on here; and the island has not only received numerous immigrants frem Scio, but also from many other parts of Greece. Great Britain and most European Powers have consuls in Syra : and it also is the prinelpal seat of the Protestant missionaries to the Levant. The town is on the X. side of the harbour. The oldest portion oceupies the summit of a conical-shaped hill, probably the site of the acropolis of the ancient city: (See the sketch in'Tonruefort, Voyage du Levant, i. 321 .) But the new streets and houses, of which there are many, come down to the water's edge. It has an appearance of great bustle and animation. Its
copious spring of pure fresh water has peen eulofised by Clarke. (Travels, vi. 153.) Pherecyde; one of the most celebrated of the ancient (ireck philosophers, the disciple of littacus, at.d the inaster of Pythagoras, was a uative of this island.

For Port Regulations, Quarantine, Tionnule Duty, Turiff \& e., see Patias.

Pilotaye.-There are no fixed dues for pilotage ; hut when a vessel makes a signal for a pilot, the harbour master sends his boat to pilot the vessel in, for which service a fee of 5 Spuinh dohlars is pairl.

Weights and Measures same as at Patins.
A few miles to the east of Syra lies belorThis island, regarded in antiquity with peculiar veneration from its being the birthplace of Apollu and liama, is no less celebrated in the commercial than in the religious history of ancient Greece. Its saered character, by insuring its immonity from hostile attacks, and its central situation, made it a favourite mart for the products of the states of Greece, Asia Minor, Phonicia, Egypt se. Retigion, pleasure, and trade had all their votaries at its festivals; which were famous throughont the ancient world for the splendour of the rites and processions, and the magnitude of the business trimsacted. It were too much to expect that Syra should ever attain to equal importance, even as an entrepôt. But as she enjoys most of those advantages of position that contributed to render Detos one of the prineipal compriums of antiquity, it may be hoped, now that there is a reasomable prospeet of seod order and freedom being again established in Grecee, that she may also acquire somo portion ot her celebrity. It may be worth while mentioning, as strikingly evincing the mutability of human alfairs, that at present both the great and the little Delos are uninhabited. Anl Tournetort states, that the inhabitants of Mycone were, in the early part of last century, in the habit of holding the greater Delos, for the purposes of pasturage, paying to the Grand Seignior a rent of 20 crowns a-year for that famons island. (Tournefort, Voyage dh Levant, Ato, ed. tome i. pp. 290325. There is a good account of the religious rites celcbrated at Delos, though but a very indifferent one of its commerce, in the Travels of Anacharsis.)

\section*{T}

TACAMAIIAC. A resin obtained chiefly from the Fagara outandra; and formerly in lise for funigation and plasters. There are two sorts, the West and Last lndian, the latter heing, however, uncommon. It is of a light brown colour, very brittle, and easily melted when heated. When pure, it has an aromatic smell, between that of lavender and musk; and dissolves inperfectly in alcohol, but completely in ether, water having no aetion upon it. (Thomson's Chemistry; Watt's Dietionary of Chemistry.)
TAGANROG. A city of European Russia, on the aorth cuast of the Sea of Azof, near the mouth of the river Dom, lat. \(47^{\circ} 12^{\prime} 48^{\prime \prime}\) N., long. \(38^{\circ} 39^{\prime}\) Li lts population has been estimated at \(24,30.4\) in 1863, but Mr. Consul Carruthers, writiug in June 1868, says, that without statistical information there are no precise data to rely on. It has a naval hospital, a lazaretto Ece.; and there are ammal tairs in May, Aurust, and November. 'Taganror is a place of consideruble commercial imprertance.

It was intended by its illustrious founder, Peter the Great, to replace Azof, the ancient emporium of the Don, the jort of which had become all but inaccessible; and its whole consequence is derived from this circumstance, or from its being the entrepot of the commerce of the countries traversed by that great river. The largest portion by far of the trade is carried on with Constantinople, Smyrma, and other Turkish ports; lot a good deal is also carried on with the ltalian and other foreign ports; and there is an extensive coasting trade with Olessa and other Russian ports. In 1868 the exports to foreign countries comprised, amongother articles, 1.632,541 guarters of wheat, \(91,168 \mathrm{lb}\). tallow, \(6,117,2 \mathrm{~g}+\mathrm{lb}\). woul, \(25,134 \mathrm{cwt}\). caviar, 206,629 quarters linseed de. The highest price per quare \(r\) of the best hard wheat in 1868 was 2l. 12s. Fil., and the lowest 2l. 3s. 7il., both free on boaril.

Seemg that Tagamrog was built to obviate the difliculties that had to be encountered by vessels

\section*{TAGANROG}
eutering the Don, throngh the shallowness of the vered to it in lighters. Ilat experience has shown water it mirht have beoll supposed that care that tha expectatiou is not destined to be realisel: would be taken to place it in a position in which it slould be, in as far as possible, frec from this defect. This important ennsiderationsems, however, to have been to a great degree overlooked. The (inalf of the Dom is seldom navigable by vessels Irawing more than from 10 to 11 feet water, and even these cannot aproach within less than abont goll vards of the town. Thes are principally londed by carts, (ruwn each by n single horse, the expenses being so very considerable that it costs from 120 to 150 copecks to ship a chetwert. of whent. Without altering the position of the town, these defeets might, as was suggested in the last edition of this work, be obviated with but little ditliculty, by constructing a wooten pier by which vessels in the roads might be sheltered, and from which they might be laden. However, Mr. Consul Carruthers, in his Report of Janmary 19, 1869, intimates that at length a new mole is heing constructed, and the municipality, under some extraordinury impulse, has also contracted for lighting the strects with gas, a branch bank has been established, und a railway to emneet Taganrog with Kharkoff has just been commenced.
Sca of Azof.-Anvone who takes up a map of Russia in Europe will at once perceive the vast importance of this sea (the Palus Mrotis of the ancients; as an outlet for the products of the most fertile provinces of the empire. At its N.E. extremity it receives the Don (an. Tantis), which, with its navigable tributaries the Donetz, Medveditza \&e., flows through an immense extent of fruitful territory. Peter the Great was fully sensible of the paramount importance of this channel of communication; and he not only, as stated alove, founded 'Tagranrog on the estuary of the Don, but joined the latter to the Wolga liy means of a canal, uniting in this way the Caspian with the sea of Azof. It is singulat, hower \(r\), that the Russian Government, which has, inother respects, so sedulously followed up the plans of the great father of his country, would seem of late years rather to have diseouraged the trate of the Sea of Azof. As evidence of this, we may mention that \(n 0\) efforts have been made to deepen the channel over the bar at the month of the lon, to remove the other obstruetions to the casy navigation of the river, or to improve any of the ports on the sea; and though all vessels entering the sea are no longer obliged to perform a lengthened quarantine at Kertsch on the W. side of the Straits of Yenikalé, still the delays to shipping consequent on the defection and vexations arrangements as to pilotare, lighterage and quarantine, are loudly complained of. (Mr. Consul Barrow's Repert of January 1, 1867, and February 10, 1868.) The Russian Government wished to make Kertsch a depett for the produce of the various ports on the Sea of Azof, which it was supposed would be conhat thad expectation is not destred to he realsed the charges attending the bringing of produce to the Straits of Yeniknle by means of lighters, and its transhipment, being so very lieavy that more than \(\frac{9}{10}\) of the shipplag that arrive at Kertscls puceed to load at Taganrog, Mariapol, and wether ports on the sea. Kertsch lins a population of nbont 20,000 .

It is not surely too much to expeet that the Linssian Government will see the adrantage of removing all obstructions to the navigation of one of the principal channels for the commerce of the enpire; and thons to permit its sulyjects to avail themselves of those gigantic means of production which a less illiberal policy would enable them fully to command. It is plain that ships may load and unload at Taganrog with as little danger to the health of the contignous provinces as at Kertsch; and such heing the case, why shoukd they not be permitted to sail direet for the furmer? Through the efforts of the lritish Consul in 1867 , much of the extortion and injustice jractised at the Quarantine and Customs Departmens was suppressed.
The Sea of Azof is usually shut by frost for about 3 months in winter, and it is besides shallow, and in parts encumbered with sand banks. But it may, notwithstanding, be navigated br vessels of considerable burden with but little risk or difficulty. Its greatest depih in the middle is ahout 7 fathoms: but it shoals gradually to the sides, and at Tagnarog there is only from' 10 tolt fect water. lts depth is, however, materially affected by the direction and strength of winds, The only entrance to this sea is by the Straits of Yenikale, the Bo-sorus Cimmerius of the ancients, a narrow and difficult passage, having in some places not more than 13 feet water. Owing to the great quantity of fresh water poured into the Sea of Azof, and its limited magnitude, its water is hrackislı merely. (Norie's Sailing Directions for the Mediterranean and Black Seas; dic.) Mt. Consul Barrow called attention in 1866 to the fact that the revolution of the Yenikale light oceupied \(2 \cdot 14^{\prime \prime}\), and not 1 minute, as given out, but no doubt the defect has been remedied.
It is impossible to form any, estimate of the fitture magnitude of the trate of this sea, were it placed under a more liberal poliey, and reasomable facilities afforiled for its extension. No doubt, however, it would be very great; it being the natural seat of the commerce of some of the most extensive and fertile countries of Eastern Earope: The subjoined returns show that cyen now it is of the first importance; and with a little encouragement, or with the mere absence of obstruction, it would no dombt rapidly inerease. It may, indeed? be fully concluded that sooner or later Taganrog is destined to beeome one of the first com-shipping ports in the world, if not the very tirst.

Statcment, showing the Quantities of the Princinal Articles Nxported from Taganrog during ead: of the 5 Years ending with 186 s , with their Total talue in Ponnds Sterling.
\begin{tabular}{|c|c|c|c|c|c|}
\hline Merchandise & 1861 & 186:5 & 1466 & 1867 & 18 is \\
\hline Wheat - \(\quad\) - qr. & 933,495 &  & 1,187, N8S & 1,3,36,106 &  \\
\hline Hye - - ", & 1,551 & 1,7.23 & 94,952 & 316,249 & 350,605 \\
\hline Ilarley - - n & 6,153 & 16,215 & -0,311 & 1.748 & \(z_{2} 5,016\) \\
\hline Oats - - - \(\quad\) - & 15, 421 & 13.1, \({ }^{\text {a }}\) & 75.385 & & \\
\hline Limueed - \(n\) & \(191, \times 15\) & 146,607 & 193.227 & 206,629 & \$29,86] \\
\hline llapeseed voot \(\quad: \quad\) ib & 6,683, 41005 & 5,913, 318 & 6,738 & 6.117,264 & 7,015 2,564 \\
\hline Tallow \(\quad=\quad\) cwi. & 6,583, 68,820 & 3,9\% & 6, 1023 & 1, 177,210 & 9, 91,168 \\
\hline Hutter - - \(\quad\) \% & 34,296 & 26,110 & 37, 8.37 & 53,676 & \(3 \mathrm{SN}\), \\
\hline Caviar - - & 11,035 & 11,903, & 2,3,195 & 22,192 & 2, 5,154 \\
\hline liides. - - in & 826 & 884 & 1,119 & 124 & 7,014 \\
\hline Flour- - sacks & 4,504) & 2,832 & 7,500 & 15,900 & \(\because\) \\
\hline Macaronisc. : \(\quad\) - cwi & 11,954 & 1,928 & 1,470 & 6,76.3 & \(\ddot{9}, 508\) \\
\hline  & 11,571
9,642 & 6,3810
3,113 & 7,137 & 6,761
\(4 \times 307\) & 16,357 \\
\hline 14.h⿺𠃊 - - " & 3,478 & 3,551 & 13,594 & 3,111 & . \\
\hline Total value in \(\boldsymbol{x}\) sterling - & 2, \(6,33,8 ; 6\) & 2,501,590 & 3,3;8,51, & 4,726, 6.57 & 5, 237,4000 \\
\hline
\end{tabular}

But experience has shown not destiued to be realised; the bringing of produce to by means of lighters, and so very heary that mure ; that arrive at Kertsch nror, Mariapol, and other tsel' has a population uf
mueh to expeet that the vill see the adrantage of as to the navigation of one s for the commerce of the ermit its subjects to arail cantic means of production poliey would enable them is plain that ships may anrog with as little danger contiguous provinces as at ing the ease, why shonid to sail direct for the forforts of the British Coasul ctortion and injustiee jracand Customs Departments
usually shut by frost for uter, and it is besides shalumbered with sand lanks. tanding, bo navigated br burden with but little risk atest depih in the midille is it shonls gradually to the - there is only trum 10 to 11 is, however, materially: ion and strength of winds. this sea is by the Straits of s Cimmerius of the ancients, It passage, having in some 13 feet water. Owing to the I water poured into the Sea ted magnitude. its water is orie's Sailing Directions fir ad Black Seas; ©c.) Mt. attention in 1866 to the tion of the Yenikate light it I minute, as given out, but as been remedicd.
b form any estimate of the the trade of this sea, were it iberal poliey, and reasonable - its extension. No doubt, e very great; it being the mmerce of some of the most commries of Eastem Europe. show that even now it is of and with a little encouragecre absence of obstruction, it lly increase. It may, indeed. hat sooner or later 'Taganros e one of the tirst com-shipld, if not the very lirst.
from Togauroy during etec! Pounds Sterling.

 5 I'turs cnediny with lsto.

\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|r|}{186.5} \\
\hline Ships & Tons \\
\hline 131 & Ti4.341 \\
\hline  & [2, 131 \\
\hline 217
183 &  \\
\hline 31 & 9,324 \\
\hline 29 & 110,37. \\
\hline 9.1 & 18:70) \\
\hline 36.6 & 196.719 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|r|}{18fit} \\
\hline Shlis & '1ons \\
\hline 176 & 52,681 \\
\hline 68 & 1:4,24t \\
\hline 396 & 93,241 \\
\hline 201 & 73.176 \\
\hline 39 & 10,488 \\
\hline 24 & 115, 1131 \\
\hline n7 & 12,624 \\
\hline 1, 121 & 260,717 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Ships & Tons \\
\hline 279 & 74,302 \\
\hline 65
3112 & 15, 614 \\
\hline \(2{ }_{2}\) & 81.518 \\
\hline 71 & 26,8\%1 \\
\hline 5.3
96 & \(14,4.35\)
\(2 m!4!\) \\
\hline 1, \(0 \times 81\) & ,ib, \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Ships & Toms \\
\hline 31.2 & 1412.2 \({ }^{2} 10\) \\
\hline 301 & 217216 \\
\hline 3,11
261 & (10, \\
\hline 79 & 27.116 \\
\hline 9 & \(31,7!12\) \\
\hline 177 & 50,01] \\
\hline 1.35 & 11.5.4.30 \\
\hline
\end{tabular}

Stotment rxhibiting the Irouripal Artich's Imported into Tuganrog in the 5 Years ending uith 1sin, and the Tital Sistimuted l'alue in P'ounels Stering in those Years and 1868.

N.11. The total value of the linports \(\ln 1868\) was 541,0001 .
be far the largest portions of the wheat and tallow oxpred frmo ports on the Sea of Azof are shipped for thylami. (For an acconnt of the imports from suth liussin, see art. Petensnung.) In 1866 the perts on the Sea of Azof were visited by 1,821 linish and foreign shins, of the aggregate burden fins.i.s tons, of whieh only 7,609 were Rnssian. Wire the navigation of the Don improved, and facilities given to foreigners entering the sea, the expurts might be largely increased, even with recent prices, which have been nearly the same as thase of Odessa. The harvests in the south of linsia lunctuate very greatly. [Onvissa.]
The imports into the Sea of A zof are but inconsiderahle, principally consisting of tobaceo, Greek mines, oils, dried fruits, and such like articles.
The Emperor Alexander, whose reign will almars furm a nemorable and brilliant ern in the history of Russin, expired at Taganrog on Norember 19, 1825. (For further particulars see Sclniztler, La Russic, p. 717; Hagemeister On the Trude of the Black Sea, p. 31 \&c.; Russiun Oficial Accounts; and Reports by the British Consuls at Taganrog and Odessa.)
Muneys, Weights, and Measures, same as those of Petersburg.
Caspian Seu, Magnitude, Ports of \&.c.-The Caspian Sea, or rather Lake (the Mare Hyrcanum of the ancients), extends lengthwise from north to couth about 740 miles, varying in breadth from 112 to 275 miles. In some parts, particularly on the southern shores, it is so very deep that a line of 450 athoms will not reach the bot tom; whereas ia the northern parts, and opposite to the mouths of the Wolga, it is comparatively shallow; and oning to the frequent oceurrence of shoals, it is not safely navigated by vessels drawing more than 10 or 12 fect water. Its level had been variously fitimated by Olivier and Lawitz at from 64 to 53 feet below that of the Black sea; but the observations of M . Humboldt made the difference of level hetween them no less than 300 feet. This, horever, was supposed to involve some mistake; and its level has since been ascertained by un expedition ditted out by the Russian Government to
be 116 feet below the level of the Bhack Sea. The water of the Cuspian is not salt, lut brackish merely; it has no tides, but gales of wind raise a very heavy sea. It is extremely prolitic of fish and seals. The value of the sturgeon caught in the Liussian fisheries amounts to a very large sum. [Sturgeon Fisnerv.] They proceed in shonls up the rivers, where they are raptured without the least apparent diminution of their mumbers The salmon is remarkably tine; and herrings are in such abundanee, that, after a storm, the shores of the P'ersian provinces of Ghilan and Mazonderan are nearly covered with them. (Kinneir's Memoir of the Persian Eimpire, p. 6; Memoir on the Cuspian Sea, in Malte lirnn's Geography; Humboldt, Fragmens de Géologie \&*c.)

Astrakhan is situated on an island of the Wolga, more than 50 miles from the month of that river; and owing to tho extensive command of internal navigation it possesses, it is a place of very considerable commercial importance. In 1863 the valne of the imports into \(\Lambda\) strakhan was \(1,330,636\) silver roubles, and of the exports 287,277 silver roubles. Laku, aequired by the Russians in 1801, is, however, the best port on the western side of the Caspian, It is situated on the southern shore of a peninsula that projects far into the sea, in lat \(40^{\circ} 22^{\prime} \mathrm{N} .\), long. \(51^{\circ} 10^{\prime} \mathrm{E}\). The harbour is spacious and convenient ; and its central and advaneed position gives it superior advantages as a trading station. Prodigious quantities ol naphtla aro procured in the vicinity of Baku. It is drawn from wells, some of which yield from 1,000 to \(1,500 \mathrm{lb}\) a-day. It is uscil as a substitute for lamp oil; and when ignited, emirs a clear light, with much smoke and a disagreeable smell. Large quantities are exported in slins to the Persian and Tartar ports on the south and east shores of the sea.

Vcssels.-The largest class of vessels by whieh the Caspian Sea is navigated are called by the Russians schayts, and belong wholly to Astrakian and Baku; their burden varies from 90 to 150 , and, in some instanees, 200 tons. They are not built on any scientific principle, and are con-
structed of the worst materials, that is, of the timber of the barks that bring grain down the Wolgh to Astrakham. There are supposed to be, in all, about 100 sail of these vessels. There is a second class of vessels employed in the trade of the Caspinn, called ruzchives. 'They carry from i) 10140 tons, and sail better than the siluyts. Their number is estimated at ahout 5 ). Exelusive of the above, there aro great numbers of small craft cmployed in the conasting trale, in the rivers, in the fishiries, and in acting as lighters to the schuyts. Steam boats are extensively empioyed on the Wolgn; and they are now also fiound in most purts of the Caspian. The masters and erews of the vessels employed on this se:a are, for the most part, as ignorant as can well be imagined. 'They are generally quite incapable of making an observation, or of keeping a reckoning; so that accilents frequeatly occur, that might bo avoided by the most ordinary acquaintance with tho principles of narigation. (These statements aro made, party upon ofleial, and partly upon private authority : the latter may, however, be saffly relich ou.)
The trade of this great seat is entirely in the hanls of the linssimen; by whom it is cirried on from the ports of Astrakhian und Baku, with the Persian ports of Astrabal, Balfroosh \&e. on the south; nud with the Tartar ports of Mangishlak, balkna de. on the east. It is very insignificant, compared with what it ought to be; the value of tho total imports into Asiatic Russin having been \(3,799,1201\). , und that of the exports \(2,160,2561\). Oa the whole, however, \(n\) gradual improvemeat is taking place; and whatever objections may, on other grounds, be made to the cneroaclments of Russin in this quarter, there can be no manner of tloubt, that by introducing comparative security and good order into the countries under her authority, she has materially improved their condition, nuil accelerated their progress to a more advanced stute.
TALC. This mineral oecurs both crystallisel and massive. It is soft, smooth, greasy to tho feel, and may be split into tine plates or leaves, which are tlexible, but not elastic. It has a greenish, whitish, or silver-lihe lustre. The leaves are transparent, and are used in many parts of ludia and China, as ther were usel in ancient Rome (1lin. Mist. Nat. lib. xxxri. c. 22), in windows instend of glass. In lieugal, a seer of tale costs about 2 rupees, and will sometimes yield a dozen panes 12 inches by 9 , or 10 by 10 , according to the form of the mass, transparent enough to allow ordinary subjects to be seen at 20 or 30 yards'distance. It should be chosen of a beautiful pearl colour; but it has, in general, cither a ydlowish or fuint blue tinge. Its pure trauslucent thakes are frequently used by the Indians for ornamenting the baubles employed in their ceremonics. Thle is employed in the composition of rouge vegeital. The Romaus prepared with it a beautiful blue, by combining it with the colouring fluid of particular kinds of testaceous animals. Tale is met with in Aberdeenshire, l'erthshire, and llanffhire in Scotland; and in various parts of the Cuntinent, where rocks of seppentine and porplyyry uceur. The tnle brought from the Tyrolese mountains is called in commerce Venctian tale. Several varieties are found in Indin and Ceylon. (Thomson's Chemistry ; Recs's Cyclopadia; Milburn's Oricnt. Com.; Ainslie's Materia Indica; Watt's Chemical Dictionary, ed. 1868.)
TALLLOW (Fr. suif; Ger. talg; Ital. sevo, sego; huss. salo, toplenoe; Span. sebo). Animal tat melted and separated from the fibrous matter mixed with it. Its quality depends partly on the
animal from which it has been prepsured, lat more, perlap!s, on the care taken in its purifieation. It is tirm, brithle, and has a peculiar henvy ndurr. When pure, it is white, thateless, nud naty insipid; but the tallow of coumerees has numly n yellowish tinge; nutd is divided, necorling to the degree of its purity nud comsistence, impo caudle and sonpi tallow.
Tallow is an artiele of great impurtance. It is manufactured intor candles mud soap, nud is es. tensively used in the Iressing of leather, nud in various processes of tho arts. Beevides our ex. (eusive supplies of native tallow, we anmally import a very large quantity, principally froin Russla, the River Plate, and the Australian colomips. M. Teroborski estimated the arerag ammal exports of tallow from Russia at \(3,8140,0\) 明 poods, of the value of \(13,871,000\) roubles; that \(\mathrm{i}_{\text {, }}\), taking the rouble nt \(3 s .2 d ., 2,196,2411\). sterling. (Horces productives de la Russie, i, 24!.) And the total export from Europenn Russia (ex lin. land) in 1865 was \(2,938,077\) poods, valued \(n t\) \(11,250,308\) silver roubles. Of this immenes sumpry by far the largest portion is hrought to Euyland: the remainder being exported to I'russia, Frunce. the Hause 'Lowns, Turkey \&e.
We borrow from the work of Mr. Dorriserr oin the Commeree of Petersburg the following detils with respect to the tallow trale of that eity:-
Tallow is divided into different sorts; namely. white and yellow candle tallow, and common and Siberian soap tallow; although it is alloved that the snme sort often differs in quality.
Tallow is brought to Petersburg from the interior ; and the best soap tallow from Siberia, by various rivers, to the Lake Ladogn; and there, by the caunl of Schlusselburg, to the Seva.
An ambure, or warehouse, is appropriated to the reception of tallow. where, on its arrival, it is selected and assorted (bracked). The casks are then marked with three circular stamps, which state the quality of the tallow, the perind of selecting, and the name of the selector (bracher).
The casks in which white tallow is brough have a singular appearance; their firm binz conical, and their diameter at one enil about ?! feet, and at the other only \(1 \frac{1}{2}\) fuot; the carks if yellow tallow are of the commen shape. Thate are also others, denominated \(\frac{1}{\frac{1}{2}}\) cayks.
To calculate the tare, the tallow is renared from a certain number of casks, which are weitithed. und an average tare is 'iancee deluced fur the whole lot. A cask weiglis \(8 \frac{1}{2}, 9,10\), or 11 per cent.. but the average is generally about 10 per cent. of the entire weight of tallow and cask.

Accomut of the Quantities and Values of the Tatlow Imported into the United Kiugdom in 1867, spccifying the Comutries whence it whs brought, and the Quantities and Values biuruished by each.
\begin{tabular}{|c|c|c|c|}
\hline Countries & Total Quantiles & Computed Value & \[
\begin{gathered}
\text { A versye } \\
\text { !'rieet } \\
\text { perctut. }
\end{gathered}
\] \\
\hline & cwt. & \(\underset{1,515,680}{¢}\) &  \\
\hline France & 62.1110 & 1, 1,5,1,3, & \% 300 \\
\hline Moroceo & 4,853 & 6,156 & 230 \\
\hline \multicolumn{4}{|l|}{Uuited states:} \\
\hline N. Atlantic ports & 1.88,1511 & 306,608 & \begin{tabular}{llll}
2 & 4 \\
4 & 4 \\
\hline
\end{tabular} \\
\hline Corts on the paris \({ }^{\text {Pactie: }}\) : & 6,418 & 12,019
8,164 & \({ }_{2}\) \\
\hline Mrazil & 25,950 & 55,6,57 & 254 \\
\hline Uruzuay & 141,051 & 323.519 & \(4{ }^{4} 111\) \\
\hline Argentine Confederation & 111,541 & 219.4919 & \(\begin{array}{lll}y & 1 \\ y & y & \\ y & 11\end{array}\) \\
\hline Australia . & 43,273 & 92,915 &  \\
\hline Canada & 1,152 & 2.969
3,794 & \begin{tabular}{lll}
4 \\
4 & 4 \\
4 \\
\hline
\end{tabular} \\
\hline Oither parts & 1,712 & 3,793 & 41 \\
\hline T'otal & 1,105,158 & 2, 119,591 & \(\cdots\) \\
\hline
\end{tabular}

Yellow candle tallow, when good, should be clean, lry, hartwhen broken, and of a fine yellon
it has been prepared, lut caro taken in its puritication. \(t\) has a peendiar henvy mbur. vaite, tasteless, and nearly ow of commeres has wailly nud is clivided, necording to nrity and consisteme, into ow.
e of great importance. It is candles nod somp, ame is ex e dressing of leather, and in f the arts. Besides our exnative tallow, we ammally equantity, priweipally frum Plate, and the Anstralian borski estimated the avenare llow from linssia at 3, xlu, , the of \(13,871,000\) roubles; that is it 3s, \(2 d ., 2,196,2 \cdot 11 l\). sterling. s de la Russie, i. 24!.) And on European Russia (ex Fins \(2,938,072\) pouds, valued ubles. Of this immense sunty portion is brought to lingland: gr exported to l'russia, france Turkey \&e,
the work of Mr. lhorrisow on etersburg the following details tallow trale of that city:I into different sorts; lianelp candle tallow, and commonand \(w\); although it is allowed that 1 differs in quality.
ght to Petersburg from the inst soap tallow from Siberia, by the Lake Ladogn; and thence, hlusselburg, to the Neva. arehouse, is appropriated to the w. wherc, on its arrival, it is red (bracked). 'The casks ate h three circular stamps, which - of the tallow, the period of name of the selector (bracker). which white tallow is brougt appearance; their form bint - diameter at one end about? pther only \(1 \frac{1}{2}\) foot ; the cavks ef of the common shape. These chominated \(\frac{f}{2}\) casks.
he tare, the tallow is remored nber of casks, which are weighel. re is ianence deduced for the whole rhis \(8,1,9,10\), or 11 per cent.. but nerally about 10 per cent. of the fallow and cask.
Quentities and V'ulues of the ed into the United Kingdon in ot the Conutries uhence it west the Quantities and l'alues. fur.

tallow, when good, should b when broken, and of a fine yetlon

Account of the Quantities of Tullow Imported into the United Kingdom in each of the 6 Yiurs ending uith 1867.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{9}{|l|}{\multirow[t]{2}{*}{}} \\
\hline & & & & & & & & \\
\hline
\end{tabular}
cotorr throughont. Tho white candle tallows whel grood, is white, brittle, hard, dry, and dean. The best white tallow is brought from Woroneseh. As for soap tallow, the more greasy and vellow it is, the better the quality. That from siberia is the purest, and commonly fetehes a higher price than the other sorts.
Formerly the oil and tallow warehouses were the same; and this oceasioned great ditheulties ia shipping, because all vessels or lighters taking in tallow or oil were obliged to haul down to the ambare and wait in rotation for their cargoes. The consequence was, that when much business was toing, a vessel was often detnined for several weeks at the aribare before she could get her cargo on board. Now the tallow and oil warehouses arc separated, and every article has its own place. When a shipment of tallow is made, the agent is furnished by the selector (bracker) with a sample from each cask.
Captains, in order to obtain more freight, usually load some casks of tallow upon deek; but it is more fur the interest of the owner to avoid this, if possible, because the tallow loses, through the

Landon und Licerpool Priecs, Stocks \&.c., of Tallou, in the Years undermentioncd. I'rom Cireulur of
January 9, 1869, issued by Messrs. Luird and Ldamson, Brokers, of Liverpool.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{6}{|c|}{Liverpgel fall sorts).} \\
\hline Tallow, in Casks & 18 's & 1862 & 1866 & 1567 & 1864 \\
\hline \begin{tabular}{l}
Prices per ewt. Dicember 31 tocks on December 31 \\
Imports from Jun. 1 to Dec. \(31^{\circ}\) Conumption and Export, jer annum
\end{tabular} & \[
\begin{gathered}
\hline 46 \mathrm{a} . \text { to } 551.6 d . \\
66,500 \\
24,2 \times 1 \\
24,1,30 \\
\hline
\end{gathered}
\] &  & \begin{tabular}{c} 
428. \(10464 . \mathrm{Gd}\). \\
13,971 \\
51,115 \\
41,311 \\
\hline
\end{tabular} & \[
\begin{array}{|c|}
\hline 428.6 d . \text { to } 152.6 d . \\
4,2100 \\
41,7 \% 0 \\
61,541 \\
\hline
\end{array}
\] & \[
\begin{aligned}
& \text { 4Gs. Gd. to } 4 \mathrm{Ns} . \\
& 1,31! \\
& 51,715 \\
& 64+196 \\
& \hline
\end{aligned}
\] \\
\hline \multicolumn{6}{|c|}{Iondon (all sorts).} \\
\hline Prices per ewt. of P. Y. C. on Dec. 31 rocls on December 31 Imports from Jan. I to Dec. \(3 i\) [heliveries from do. &  & 4.18. 98. S: 3.142 4, 1, 131 & 414.98.
48,004
91,571
92.129 & \(42 \mathrm{~s}, 98\).
415,117
\(77,1 \times 2\)
\(\times 3,467\) &  \\
\hline
\end{tabular}

TALLE TRADE. The name given to a system of deding carried on in London and other brge towns, hy which shopkeepers furnish certain aticles on credit to their customers, the latter agrecing to pay the stipulated price by certain weekly or monthly instalments.
In the metropolis there are about 60 or 70 tallysinps of note, and from 500 to 600 on a smalier scale, 'They are also spread over the country to a cotsiderable extent, particularly in the manutactuaing districts. The customers of the tally-shops are mostly women; consisting, principally, of the wives of labourers, mechanics, porters \&e., servant girls, and females of loose character. Few only of the more respectable classes have been infatuated enough to resort to them. Drapery soods, wearing apparel, coals, household furniture, hardisare die. are furnished; and even funerals are performed; but few or no articles of food, exept tea, are sold upon the tally plan.
We believe that this is the very worst mode in Which credit is afforled. The facility which it sives of obtaining an article when wanted, and the notion so apt to be entertained that the weckly or monthly instalments may bs paid without difficulty, make those who resort to the tally-shopsovertook the exorbitant price, and usual bad quality, of the articles they obtain from them, and generate batits of improvidence that seldom fail to involve
heat of the sun, considerably both in weight and quality.
One limadred and twenty poods of tallow, at gross weight, make a Petershurg last, and 63 poods an Engrishton.

Before the alulition of the duty tallaw from foreign coumsties was eharged with a duty of 1s. \(6 d\). per ewt., while that from a lbitish possession was charged with a duty of only ll. per cwt. In a tinancial point of view, these tuties were of little inportance; but they were imposed on an illiberal principle, were justly offensive to other countries, and provoked them to retaliate,
The price of tallow fluctuated very much during the last European war, and during the Russian war. This was oceasioned, principally, by the obstacles that were at different periods thrown in the way of supplies from Russia. Tho price of tallow is also affected by the state of the seasous. Some very extensive speculations have at various periods been attempted in tallow ; but seldom, it is believed, with much advantage to the parties. Yellow candte tallow was worth, in the London market, in April 1869, from 16 s . to 46 s ; 6 d. per covt. In 1867 wo imported 707 cwt. of vegetable tallow.
the parties in irretrievable ruin. It is not going too bar to say that nine-tenths of the articles supplied by tally-shops might be dispensed with. As alrady observed, women are the principal customers; and it is not easy to exaggerate the mischief that has been entailed on the families of many industrious labourers by their wives laving got entangled with tally-shops. They buy goods withont the knowledge of their husbands; and these are not untrequently pawned, aad the proceeds sprent in gin. So destructive, indeed, is the operation of the system, that the establishment of a tally-shop in any district is almost certain to occasion an increase in the paupers belonging to it. Even the unmarried females who do not pay are demoralised and ruined by the system; becanse, if a woman who buys 3 gowns pays for the 2 first, and runs away from the payment of the last, she gains nothing in point of saring, while slie becomes indifferent to an act of dishonesty. As tally debts can only be collected whilst a supply of goods is kept up, as soon as that supply is stopped the debtor either flies to another distriet, or awaits a summons. Where the wife has contructed the debt, sthe usually appears belore the commissioners, who in general order the debt to be paid by weckly or monthly instalments. But it often occurs, from the wife not being able to keep up sucli payments, that execu-
tion iswnes, and the piow hashand it frequently arrested and looked in prison for a deht of the existence of which he was antirely lgurant. In this way numbers of the working tlases are conpletely ruined; they lose their employment,
 gary. 'Ihe intelligent keeper of Whitecross-street Privon (Mr. larrett) ntated that from 15010 to \(2(15)\) persums are ammully imprisoned there for tallyslop lebts, in sums of trom 10 s , to \(51 .\), and that in one year 30 prisoners were at the suit of one tally-shop alone, Such imprisonments, however, are now much decreased, in consequence, as is believed, of the Court of Lequests discouraging the tally system by ordering elams of this kind to be paid by extremely small instalments, and these at very distant intervals; and ulso in consequence of no composition being allowerel by the charities for the relief of poor prisoners with reference to such idebts.

It is ertimuted that in London alone abont \(850,000 \mathrm{l}\), or nearly \(1,000,000 \mathrm{l}\), sterling, is ammally returned in this trade. From lis large protits (gencrally from 25 to 10 per cent.), it is ubvious that in in few transactions the tally-shop keeper breomer independent of the existing debt; and with capital and good management, it is said that seme have realised considerable suas of money in this business.
Aecording to the custom of the trade, Mondays, Thesidnys, Wednesdays, and Thursdays are the days set apart for collectiag money from the enstomers. 'The tally-man sends round his collector through the diflerent 'walks,' and the amoumt of a collection which keeps the eollector engaged from morning till night, even in a good tally concern, seldom exceeds 4l. a day, The payments are invariably mate in shillings and sixpesecs-but the people seldom or never pay at the tally-shops ; they rarely call there unless something else is wanted. The tally-shop keeper trusts one party on the recommendation of another; but tharantees are never requiredcertainly no written ruarantees; and a verbal guarantee is, according to Lord 'lenterden's Act, not binding. It is part of the collector's business, besides getting money, to beat up for fresh customers in his walk.

The greater number of the small tally concerns are kept by Scotchmen: it is a curious fact, that when a 'tally-walk' is to be sold, whinh is olten the case, a Scotchman's walk will bring 15 per cent. more than un Englishman's. It is belicved to contain a better deseription of customers.

From the causea above mentioned, assisted, perhaps, by the salutary intluence of savings banks, this obnoxious trade is understood to be rather on the wane. It will never, however, be completely rooted out except by adopting the plan we have previously suggested [Credir] for placing all small debts beyond the pale of the law ; and the fact that the adoption of this plan would have so beneticial a result is an additional and powerful recommendation in its favour. In cases where failures take place, the creditors of a tally-shop keeper are in general terrified into the receptance of a small composition. The very sight of the tully ledgers, from 10 to 20 in number, containing debts from 58 . to 5 l., dotted over the pages like a small pattern on a piece of printed cottoo, and spread over every district in and round London, determines the creditors to accept of any otler, however small, rather than encounter the collection of such disreputable assets. In an affair of this kind, concluded a few years sinee, where the business was under the managemeut of a respectable accountant in the

1AR
City, the whole debts due to the concorn, \(f^{\prime \prime}\). \(\|^{\prime}\) laul, ant donbtful, amounted to 8,700\()\)., while the ntumber of delotors was \(\mathbf{7 , 6 0 0}\), giving an awrine of \(22 s, 10 d\). ench.
N. 13 ,-This urtielo hus been compiled whatly from \(\boldsymbol{z r i v a t p , ~ b u t ~ a u t h e n t i c , ~ i n f o r s a t i o n . ~}\)
'TAMARINDS (Ger, tamariuden; ler. tamames: Ital. and Span. tamarimbo; Arab. umblic; Ilim, tintiri), the preserved pulp of the Tamurindua Indicu, a tree which grows in the leant and Wis Indies, in Arubia, and Efypt. In the Wert Indins the poods or fruit, belng guthered when ripe, and froed from the shelly frapments, are plated on layers in a cask, and hoilings syrup permedoet them till the eask he lilled; the syrup berwate avery part quite down to the bottoim; and when cool, the cask is lieated for sale. The baish lata tamarimds ure darker eoloured aml drier, mat are said to be preacried withont sugar. Whan qual, tatmariads ure free from any degree of muatines; the poeds are hard, that, and cleme; the strumg tomgh and entire; and a clean knife thrust mito them does not receive any conting of copper. They should be preserved in elosely cowereci jus. (Thomson's Dispeensatory; Britsh ihur mumot pacia, 1867.) The daty on tumarints, alterb ing rrently reduced in 1842, was wholly rupaled ia 18:3. Our imports of tamarimels in 1867 anemated to \(1,701,673 \mathrm{lb}\)., valned at \(17, i 811\).

TAPIOCA. A species of starch or white coar powder derived from the roots of the bitter cawara (Janipha manihot), an American plant, raioch all over South America, but principally in lirazi, where it is called mandioc or manioc, anal in Singrpore and the Bastern Straits Settlemenk, The roots of the plant, being pecled, are subibetwl to pressure under water in a kind of hag made of rushes; the juice whicls is foreed out by thi process being a deadly poison, and employed is such by the Indians to poison their arrows. But the residuom, or farinaccous matter remaning after the expulsion of the juice, is perfectly whenesome, and makes excellent bread. Tapiua, as stated above, is prepared from this residuum - uni being nutritious, and easy of digestion, is extensively used in the making of puddines. Whem dressed, it is not easily distin ruishod from sing. The imports amounted in \(180^{\circ}\) w \(20,70^{2} \mathrm{em} \mathrm{cm}_{4}\) whereof 15,660 ewt. were from Singapore an! the Straits Settlements, and 5,060 ewt. fowa Brazil. Duty \(4 \frac{1}{2} d\) per ewt.

TAR (Fr. goudron; Ger. theer ; Ital. catrame: Pol. amola gesta; Russ. degot, smola slitkaia; Swed. tjara). A thick, black, unctuous substance, chiefly obtained from the pine, and other turpertine trees, by burning them in a close smothering heat.
The tar of the north of Europe is very superits to that of the United States, and is an article of great eommercial importance. The pruces fil. lowed in making it has been described as follors by Dr. Clarke :-' The inlets of the Gulf (Bothnia) everywhere appeared of the grandest charatet, surrounded by noble forests, whose tall trees, flourishing luxuriantly, covered the soil quite down to the water's edge. From the nuot southern parts of Westro-Bothmia to the northen extremity of the Gulf, the inhabitants are \(u\). cupied in the manufaeture of tar, proofs of which are visible in the whole extent of the coast. The process by which the tar is obtaned is wert simple; and as we often witnessed it, we shall now describe it, from a tar-w ork we halted to inspect upon the spot. The situation most farourable to the process is in a forest near to a marsh or bog ; because the roots of the fir, from which tar is principally extracted, are always moo

TAR
ts due to the comecria, find nounted to \(8,700 / .\). while th vas 7,600 , giving 14 aserate
has been compiled whell thentic, information" er. tumarinden; l'r. tamarins: nriudo ; Arab, und, lie; Itime, -ed pulp of the Thanarindus 1 grows in the Einat and \(\mathrm{H}_{\mathrm{s}}\) ad Egypt. In the W'st ludies ling githered when ripe and lly frarments, aro plated in mil boiling syrup poured user be tilled; the syrul berwase wn to the botteIII; allil when aded for sale. The biast hiria er coloured and driar, nul are wihbout sugar. When quath rom auy tegree of mustimes , liat, and clean; the strims and \(a\) clemn kuife thrust \({ }^{2}\) ceive nuy coating of copper eserved in elosely cowned jub ensutory; British Phurnutho duty on tamarimals, alter bing 1842 , was wholly rylyendey in sef tamarinds in l8i7 innumte clued at 17,"'is 11 .
species of starch or white cear in the roots of the bitter casara , an American phant, raiwel all ien, but principally in limail, d mandioc or manioc, and in e Eastern Straits Settlementis, lant, being peeled, are sulbjeter water in a kind of bag made which is toreed out by this leadly poison, and employed ns to poison their arrows. But farinaceous matter remaning n of the julee, is perfectly whele s excellent bread. Tapioua, a repared from this residumm :an and casy of digestion, is extene making of puddings, IVien easily distiu guishod from sigy
 cwt. were from Siuripore and loments, and 5,066 ewt. from d. per cwt.
ron ; Ger, theer ; Ital, catrabie: ; Russ. degot, smola shithaja; thick, black, unctuous substance, rom the pine, and otber turpenning them in a close smethering
north of Europe is very sujerior Inited States, and is an article of 1 importance. The process fiit has been described as follows -The inlets of the Gulf (Bothiai) ared of the graudest chandict roble forests, whese tall tref: riantly, covered the soil quit vater's edge. From the whe Westro-Bothnia to the northeri Gulf, the inhabitants are nufacture of tar, proofs of whid whole extent of the coast. "the hi the tar is obtained is ver we often witnessed it, we shal from a tar-virk we halted to spot. The situation most farours is in a forest near tio nursh the roots of the fir to a mars ye roots of the fir, from which
productive in such places, \(A\) eonicul cavity is to 15,911 qras. from Demmark, l'russin, the 11 anse then made in the grotind (generally in the side of a bank or stoping hill) ; and the roots of the lif, ongether with logs und billets of the same, buing neatly trussed in a stack of the same consical shape, are let into this cavity. The whole is then covered with turf, to prevent the volatile parts from being dissipated, which by means of a havy worten mallet, nad a wooden stamper, workeit surarately by two men, is beaten down and rendered as dirm is possible nbove the woonl. 'l'hostack , 1 billets is then kindled, and a slow combustion of the fir takes place, withont tlame, as in making charcoal. During this combustion the tar exudes ; and a cast iron pan beinf at the botton of the funmel, with a spout which projects through the side of the lank, burrels aro placed beneath this spout to collect the fluid us it comes away. Is fant us the barrels uro filled, they are bunged and rendy for immedinte exportation. From this description it will be evident that the mode of dobining tar is by a kind of distillation per descensum; the turpentine, melted by fire, mixing with the sap nuid juices of the fir, while tho wood itsell, becoming charred, is converted into charcoal, The most eurions part of the story is, that this simple method of extracting tar is precisely that which is described by Theophrastus and Dioscorites ; and there is not the smallest differane between a tar-work in tho forests of WestroBothinia and those of ancient Greece. The Greeks made stacks of pine; and having covered them with turl, they were suffered to burn in the samo smothered manner ; while the tar, melting, fell to the bothom of the stack, and ran out by a suatl chamel cut for the purpuse.'
Tar was charged, previously to 1844, on being aimitted to consumption, with a duty of 15 s , per larrel; but this duty being repealed in the course of that year, it has since been ndmittcd daty fres. It is principally brought from Russia. Thus of 155,372 barrels, valued at \(116,9.19 t\)., impurted in 1867, 1.13.814 were aupplied by Russia, S.B. The last contains 12 barrels, and each barrel 31. gallons.

TARE. An abatement or deduction made from the weight of a pareel of geods on account of the weight of the chest, cask, bast \&c. in which they are contaned. Tare is distinguished into real tare, customary tare, and average tare. 'I'he lirst is the actual weight of the package; the second, its supposed weight, according to the practice among merchants; and the third is the medinm tore, deduced from weighing a lew packages, and taking it as a standard for the whole. In Anssterlam, and some other commercial cities, tares are generally fixed by eustom; but in this country, the prevailing practice, as to all goods that can be unpacked withont injury, both at the Custom-hotse and among merchants, is to ascertain the real tare. Sometimes, however, the buyer and seller make a particular agreement about it. We lave, for the most part, specitied the difle: ant tares allowed upon particular commodities, t.: the descriptions given of them in this work. (For the tares at Ameterinam, Bobdenate, \&e, see these articles; see also Allownsces.)
TARE, VETCHI, or FITCII. A plant (Vicia stita, Limn.) that has been cultivinted in this conatry from time immemorial, princinally for its stem and leaves, which are used in the feeding of sheep, horses, and cattle, but partly also tor its seed. Horses are said to thrive better mjon tares than upon elover and rye grass; and cows that are led ujon them to give most milk. The seed is principally used in the feeding of pigeons and other poultry. The imports in 1866 amounted

Towns, and lirance.
IALIIF', A talite, nhplabetically arrangeal, specifying the varions duties, drawlincks, bounties \&ec. charged and allowed on the importation and exportation of artieles of foreign and ilomestic prodnce.

\section*{1. 'l'shifl', limitisit.}
11. 'I'ahere, Comontal.

1II. 'Tamfing, Fompign.

\section*{I. Burish Tamers.}

The first two columns of the subjoined Table contain tun account of the duties existing on January 1,1469 , en the varions articles charged with dutips on being imported for consumption into the United Kinghom, alistinguishing between the duties when the articles conse from foreign comitries and from colonal possessions.
Thoso who compure the following tariff with the tarilfs in the copies of this work issued previously to 18.12 will be forcibly struck with the vast difference between them, Notwithastanding the improvements elfected by Mr. Muskisson, the tariff contimed, down to the opoch now referred to, on a most oljgectionable footing. Hundreds of articles were londed with duties which, while they brought little revenue into the pmblic treasury, opposed formidable obstacles to the extension of eommerec; a host of other articles, including live cattle and fresh provisions, were wholly prohibited; high duties were laid on various articles of consumption, abil on others that were necessary to the prosecution ot some of our principal mannfactures; and some most important articles, including corn, sugar, and timber, were burdened with duties imposed not so much for tho sake of revenue as of protection. But the change in these respects since 18.22 has been greater than any one, however sanguine, could lutve anticipated. Then Sir Robert Peel began that conrse of commercial reform which will, for ever, distinguish his administration; and such were the energy, skill, and success with which that great minister prosecuteu bis plans, that in the brief space of 4 years he obviated, with but little sacritice of revenue, almost all the defects alluded to above, and effected a vast and most salutary change in our commercial policy.

Sir Robert l'eel's commercial reforms were principally embodied in the Acts 5 \& 6 Viet. c. 47,8 Vict. e, \(12,9 \& 10\) Vict. e. 22 , and \(9 \& 10\) Vict, e. 23. The first of theso Acts permitted cattle, sheep, hogs, beef, salmon, and other articles that had previonsly been prohibited, to be imported under reasonable duties; the second, or the 8 Viet. c. 12, repealed the duties on about 420 different articles; and though many of these were of comparatively triting importance, tho list comprised others of a very different class, such, for example, as ashes, burilla, bark, flax and tow, cotton wool, hemp, hides, indigo, madder ; palm, olive, and train oil ; sago, saltpetre, raw sillk, nll sorts of skius and furs, straw for platting, ull sorts of fincy woods, with a host of others: the third of the above-mentioned statutes, or the \(9 \& 10\) Vict. e. 22 , is the fumous Aet for the moditiention and repeal of the corn laws: and the fiarth and last, the \(9 \& 10\) Viet. c. 23, is the 'Taritl Act of 1846, which entirely repenled the chities on cattle, slieep, hogs, beef, bucon, and other leading prodicts; at the same time that it reduced the duties on silks, butter, cheese, and nearly 100 other articles.

Sir Robert leel also reduced the duty on

Tuble Eixhishiting the Duties Puyuble on Janmary 1, 18ti9, cn Goods, Wiares, and Merchandise Imported into the United Kingelom, Irom Ioreign 1'urts, und from British Pusseswioms ; and those I'uyablo on the sume Articles in 1819 nad 1787 when Imported from Pioreign I'ırts.


\footnotetext{
The Chancellor of the Exchequer this year (ISC9) proposes toabolish the duties marhed thus ", and to reluce those markel thant-
}

Wures, and Merchundiss Britiah L'posessuions ; tud -l from F'ureign 1'urtx.


\(\begin{array}{lll}11 & 11 \\ 0 & 114 \\ 0 & 10\end{array}\)
\(\ddot{\because}\)

Tuble exhibiting the Dufifs I'uyable on Januury I, 1 saf9 de.-continuml.

* The Chancellor of the Eachequer thin zear, inge, properes tu atolith the dulles marked thus \%.
muscovalo sugar from a British possession, from 20s. 2d. to 14 s . per ewt.y at the samo time that Ir made a very great reduction in the tuty on retain deseripitions of forelgn sugar. Aud lord Whan Russell subsequently lollowed up the policy if his predecessor in this respect, by making an ead of tho distinction between free and slave from sugars: and providing for the gradunl ryualisation of the duties on sugars, without regard to their origin.
Independent of the powerful influence which the repeal and reduction of the duties on so many important articles has liad on the well-being and industry or the people, it must always be borne in niad that owing to the reciprocity which is of the essence of all commercial transactions, it is impossible to increase the importation of foreign uticles, without at the same time proportionally fucreasiur the exportation of the native protincts with which the former must be paid. It is, therefire, no ensy matter to estimato the future inthence of sueh extensive changes on the trate and jrosperity of the United Kingrlom. It has aready been, and there can be no donbt that it will continue to be, very great. And beside contributing to improve our mamufactures, it can hard!y fail to deepen and enlarge the existing channels of commercial intercourse, and gratually to open others with which we may now, perhaps, be wholly unacquninted.
Sir liobert Peel left but little for others to do in the way of commercial reform, and that little has since been in great measure accomplished. The duty on tea was the only very objectionable one in the amended tariff bequeathed to the country by Sir labert l'eel; and lie had merely deferred to a nore convenient opportunity his determination to place it on a more reasonable and equitable fouting. Ile did not, uuhappily, live to effect this object; but it las since been effected by ethers. The reduction of the tea duties formed a striking feature in the budget proposed by Mr.

Disraeli in 1852, and after the erjection of the latter, the project was introduced inin the bualget of Mr. Gladstone, and was passed into a law. But, among its other bail consequences, the war with Russia unfortumately interiered to prevent this reduction being carried out so soon as it otherwise would have been; and made the retention, and, in some instances, even the inerense of customs duties, not of the most unobjectionubly description, a matter not of choice but of necessity. Ilowever, in the interval between the peace with Lussia nnd tho present time, a host. of trifling articles have disappeared from our trilli; and the duties on the rest lave been in many cases materially reduced, so that tobacce :3 now (1869) the only decidedly over-taxed articlo in our tariff; though, excent in the check it would give to smuggling and adulteration, the reduction of the duty on it is of secoudary intportince.
We have excluded from the following table numerons articles which nro now (April 1869) duty free; and we have annexed to the table of existing dutics two additional columns; the first exhibiting the amount of the customs duties in 1810, as fixed by the Act 59 Geo. III. c. 52 ; and the second, their amount in 1787, as tixed by Mr. Pitt's Consolidation Act, the 27 Geo. III. c. 13, The reader has, therefore, before hin, and may compare, the pres nt enstoms dutics with thie duties on the same articles as they existed after the termination of the last European war, and of the American war. It must, however, bo carefully borne in mind, that this table does not fully represent the customs duties as they existed in 1787 and 1819. It exhibits those duties only which were chargel at the epochs in question on the articles now (April 1869) sulject to customs dutics; wherens the tariff embraced in 1787 and 1819 more than 500 articles not includel in the present tariff. No table of this sort is to be met with in any other publication, unless it be purloined from
this. It was furnished in ita more extembed form for a former ealition of this work by the lite Mr, J, I. Hime, of the Ioard of 'Irale.
'I'so thoties in the preceding table havo been impesed by varions statutia.
'The rules and regulations to be followed in regard to the lmportation and exprortation of guods are embodied in the Customa Consolidation Aet of 1853 , nod subsofuent Aets; and will bo fomad in thiswark umber the head Imborivation anis lixpontation. Hit it may be useful to sulyjoin the following clanse in regard to the importation of ility-free gools, viz, :

Particulars of Eintry,-Tho importer of any gools not subject to thatios of customs, or his agent, shall deliver to the eollector a bill of entry of such goods in tho same manner and form anil comtalning the same purtionlars as are required on the entry of clutlable goosls, so far as the same is prnetieable, which entry, so far as regards the foobls, shall be a transeript of the report, and shall therein deseribe such goods necording to the terms upon which such gools are free of daty, and the vulue of such goots as shall have heen previously ehargeable with daty at value: and such bill of entry, when signed by the collector, whall be transmitted to the proper oflleer, notl bo lis warrant tur the delivery of the goods mentioned therein ; and the importer, owner, or consignee of such goods, or his agent, shall within 14 days after the entry and landing thoreof, deliver to the collector, or other proper officer of eustoms a full and trie account of the goods solanded; provided, that ut Liverpool, and with the sanction of the Commissioncrs of Customs at any other port where the docks, quays, and wharfs slatl in like manner be wholly or prineipally under the control and management of one and the same corporate hody, the owner, master, or consignee of the importing shipt, or his agent, shall sign and leave with the collector of the customs, within 14 days next after the final discharge of such gools, a full and aceurate list thereof, stating the quantities
and distinguishing the wetghts and contents hy measurement of such poods, if nuy, comprisiol therein, as shall be chargeable by welaht it by ineasurement for the freight pryable thereon, and the numes of the consignees (accurifing ti the billen of ladloge, or the names of the peremity nctually paying treight for the same; and int failure to leavo much list, such owner, mantre, anslguse, or agent shall forfeit the sum of sol. (Sec. 10.)
Inlum Revenue (E.rcise) Dutic* in the United Kimgdom, January 1, 1869.

\footnotetext{
thicorv, or any other vegetable mater catter, grown in the I/nited Klngetom, raw of kila ditier
Hackney cartioges, losion
falt tondida from bartey
thate, getd, wrouthe or blgs
I'late, gatd, wraukit
Itare horkey
Hallways, In Fingind and feciland, on
nums recelvedt fur conveyance of pan-
Spleites, made in creat Jiritalo or Irrlamil ney, or Sark, fimporited into fireat jlritain or Iredanal Naze cirrlapes Sugar, Daile in tho Vnted Kingiom. voqual to ruffeet
Not equal to reflimet-
Not equal to
Clase

Sugar used by any brewar of beer fir sale:


}

The excise or inland duties are repail, or, as it is termed. drawis lack, on tha goods being esported. The drawback on the malt used in brewing is computed at the rute of Ss, the barrel of 36 imporial cinllons.

Tutics repenled.-Wo suljoin \(n\) list of the articles the duties on which were repealed in leb. \(18.16,1853,1860\), and llown to 1868 , by the div: 8 Viet. e. 12,9 \& 10 Viet. e. \(33,16 \& 1 \%\) Vict, 106 , and 23 s 24 Vict, e. 110 de. de.

Agates or cornelians, set or not wet
Alluinen
Alkanobilla need
Alkali
Alkanot root
Altnonsil-, hitter, swect \&e.
Aloes
Alum
Alumioium
Amins, rongh
manafactured, evecpt beats
Ampurgria
Anbuyna woot
Amminition, shot, large and annall, leal lroll
rockets and other combusthims, for pur-
Abrhovies
Aogelfa, not randied
Admals, llving ; vir::


nsell and thals
horsis, mares, geldings, colts, foals
mules
shep
lambis
awine and hogs

Annatto, roll or 0 ak
Antimony, ore of
crude
regulus of
Apples, raw
Arietl
Aquafort
Artol
Aristolochia
awords, cutlasses, matchetts, basonets, kuo-barrels, Run-locks. cannun, eod mortars of fron, not mounted oor accompanted winl corriages nor accompaoled with carriages
cannon and morters, mounted or accompanitel with earriages, and other
fowling-plecen, or guon of any uther sort not enumerated, gund pistals

\section*{Arrenic}

Art, Works of
A: bes, peart nod pot
soap, weed, and worn

IVacon
Balsain, Canada
capivi
Perui
Peru
Tolva
balin
lialin of Galead, and unenumerated
Rambitring twist
Harilla
liark, extract of, or of other vrgetible nub.
atances, to le usel tor tanning or other
mannfacturing purpores
fir tanoers or dyers use
Por tanoen
Percuvian
Preruvian
Pr
of other sorts
far woud
Hariet roxiv, phate of, ground
Hankets rodis, peeled and unpected
Bast roped, 1 wincs, anol strand
rads ambl luthles uf glats
arango
coral
cryment
tei
let
not
Beef, freali or blightly asited
J'eri' woorl
l'eri woorl
Herstes, bay
crises, bay
Juntiper
yuniper
yellow
une
unenumeratel

Ritumen
Hlacking
llack wool
Btaddera
Bones
Boncy (errept whate fins), whet bumt or
not, or at suimal etharcoai
Boracle acid

Books, if editions printed priar ta is:
Mooks, in elitlons print
Lound or unbount
Harax, refined
Herris or tincal, unrefined

inrass
Dos wimed
Aran and pollard
Hran, manufactures of, not otherwicic mu.
merated
powder of
old, fit only to be remanufutured
wire
Hrazil wo
Hrazil wood
Hrick or clinkers
Butch
other sorts
limmstone, retined in rells not rifioct
bristles, rough, or io any woy sortit
Hrurade of kold or silver
sronze, all works of art
manufactures of, or of metal branad of lacppered
powfler
Ilrooms and bruslies of all sort
Halrurhes
hullion und farelgn coin of gold or silver
thitter
Iliutions and atuals
C ibloct ware
ahice, siot belog iron cables, tarted or uatarred, old and new
fron
Cimeor, not set
Campmile flowen
Camplior, refloced and uarefined
Candles
spermacet
stearine
sicatin
tallow
was
Mas
Canstiswick
Cand
Canella elba
Cancs, ba
reed
rattans, not ground
or sticks, unenumerated

TARIFF
Canct, umbivpla or peraen nitrit palintol, at otherwise amamented rantharidea
sultitimes manuf
apen, inrludting the plesive
Iandamonis
lismine
artiakes of all sorts
1 naks, vmply
Ninula
lagnv
anct

utuchu
ciriate
Thallir, wood matingetured or unmanufariured not dher wlof enumerateal
I'liwewe
Churrien,
Chervien, raw
Chery moud!
Therry woud
(liwa or porcelain ware, plain, palnted, kilt
nmamented
(hma root
I hividy of lime
linp, ur wlluw, for plating
Thery
Cinnation
1hrie of lime
Citricon, preserved wlith walt
\(\underset{\substack{\text { Cimt } \\ \text { tilocks }}}{ }\)
Cloris
Cubisit of
ortr of
onide of
Coxtrine. of
duast
artanilla
athinella wood
Conas nutur
Con rove, twine and atrands
Ciorsnth
rolumbo root
Coppre, oras of
slid, fle only to be manufacturcel
unspoukht, viz, in brict: or pige, rose
in part wroukht, viz. bish, roila, or inioth, hammered of zalsed
thanulactures of capper, not otherwlso
enumerated or dencribed, and copluct plates engraved

\section*{Cop**is, thue}
cren
Coral, whole, escept bead
polithind
unpolished
negimes
in tratments
Condakp, carred ar untar red
loeth, ready made
givared for rouading
fiturmen's
Cubon, Exw, manufactures, vlz,:
yarm ani East India pirce gools, tlyed or coloured, viz. -ealicoes and musilns,
namkieny and range
manufactures of, mot belng articlen siadly or in part made up, not other: dowe of coiton or thread
stockings of cutton or threai
wock nt half hose, of cattrn or thread
anictes or manufactures of cotton,
wholy or in part made ap, nat other. Wholy or in part mude ap, nat other

Cranbetricy
Cruolls
Crsiolis
(rtam of tartar
(ryual, 1 Iz,
INugh
cut or manufactured, except beads
Cotebs nutice
ruambers, preserved in sil
tutch
liaucreotype plates
Ditss
Diamonds
Dice
bividivi
ling
Drubs, unenumerated
Premuffs
Luntheware, nat atherwise enumerated \(\mathrm{a}^{-}\)
discnbed Elbeny
Ebany
EDiderfiower water
on uilk and needlewark, vity, :
miled with other materials,

F:nhyoldery and needlowork, 910.1 silk net, Wyurel whit the pievilie, lenitestim lawe, and arilitey therent imitation luwret with hie neeile, beinis imitation lacre, enit articlec therviof
 alf othrl cintiroldery not enumerated
V.itry
Fintin!

Eindingel
l. Bltart
theothut bark
Tungrition
bart, \&c, far tapning
Festherif for lielt, in beils oes otherwlae
ontrich, drwaeel
patily lird, dreand
unonumarated anill undresetd
Fishi eels
turlont
of turvigen taking, imparteil frmil forcikn phacte in other than thiling vewele, viz. nyo4efy
nitmun
a.htmen
turtle fresh
curmil
Flax imitith taking
Firpesell anil undremect
Flock for pajper staintrs
Fiorks
Flowet, artificial, whether of wik or other
Flawer rools
Fraines fir piclures, prinis, mirrorn, or
dirawiag
Fruli, raw
Furniture wonls, except ash, lieech, Wirchs, elin, oak, waluseot
Furnilut
Funte
Funtic
tialle powder
tialtie pe
talls
diainhiar
gianinar
isamberga
Garancine
(larnety, cut or ancut, not set
finume of thresad
fielating
Cisntian
(ifoger
tinnetng
tinnerg
Gilast, viz. \(-~\)
any tind of Indow glass, whita of or rilided), and shatles and (escrinditera pate
 paintet
hate plase, cast or rolled of whatever or ronghs, Whether silvered, polisised, whitotluth gl iss tintiles, not cut, engraved and lugelew of clast who kiasees, tumhle
white tlint glaws poods, ant all other grised, or Dilietwhe orramented, enfancy orpaines, thint colonred ghase, and botlles of glass covered with wirker (not
being cut glavi, or of green or cons. monplast
nanufactures not ptherwhe enamerited
or dewribed, and old lizolen alas, only to tie remumufactured Glua
elypinge, or wasta of any kind, fit only Giod leaves, and orb of
fionus unenumerated, not being either in part or wholly minufactired, not enu. iralny, liuinea and t'aratise
iralus

\section*{\begin{tabular}{l} 
Gresse \\
\hline
\end{tabular}}
tireavis for dogs, and tallow greaves
(irgund nuts
tiuano
tum, anlml
Aralite
asatictide
avaifortide
copil ilderm
En.siarun
lac dye
lac dye
masic
need lac
stict lac
seruestal
sireliac
trakicanth unelumerated
Gunpowider
Gun storts in the raugh, of wool
nisnufactures of, not moulded, sach as firrds, heets, soles, tubung articles moulded
(iypsum
caind hair or mol

Haip, bofve
'umbifartures nf, or Roati' womp, nr of luatr
 not particularly enumersted, ut uther ms of all timit?
IIary syrume or lute atringe, alleverl
hats ur bonnets-
ot rhis, cane, or hoqe halr,
of bast,
ispraw inalr, woot onver
 linen, we of her materia

Ilellebore
llemp, dronael
rough or undremet, or any nthes weger.
afice oulwtance of the nature and quality of undreseed hemp, and applic. alle to the sump purymats
Inwad codilla of himp
Ilidiva, or plecen thercof, tawel, rueried, varnished, slyenned, and shameltiod Musovy or Aluwle hildes, of plecen there-
of, tanned, colourell, tine dreased, and hides ove pieces othereof in any way disesed, not other else ootanned, tawed, aurried, or In any way iremed, dry and wei
or pinces of hidros, raw or undreased, and alln, buffallo, hinll, caw, of p
thanmeit, not otherwlice irremed
11 linery
Itomy
Thiofy of catile
Htop of woul
llop
llorn
llo
thornh-horn tlpa, and pleces of ham
lre
lintgo printers
Indian
Inkide, wrought
Inatrimnints
1, ,eracuanha
Irun, bloon
Cust
chat
In liars, unwrought
wirs
old lroken, end old cast lson
are
bift
hlit
thit or hammered Into rods
trugh castings
Iron angh castinger, wroght of manufictured
machiocty fought casting
tools
cutlery
cutlery uther manufactures not enumerated
fancy ornimental articlen of Iron or steal
nianufacture of, coated aith brash or
copper by any galvanle prucesa
\(\substack{\text { singla } \\ \text { lvary } \\ \text { olatap }}\)
1apanned ot lacquesed ware
Jewels, emeraide, and all other preciaus emeralds, and ell ather prectaus stones, Juire of lemons, limes, or aranges

\section*{Jistu}

Liv; viz. sticklac
Larce, wz:
 ifumple print or sason hone lace) not erceeerininf inch in wlideh
silk phtiow lace (nut luing Snzon wire pround lare), nhd apylication
silk Saxon wire ground lace, and a!
Hrusuels point, aind otherr lace maile hy the hand, not otherwise charged whithduty Bnmp black
aqiat ealaminarls
Datter
aviniler ind wira
lisad ore
retite
whack
pix and shect
Leaher manufactures, viz:
bouts, shees, sund calashes
women's hoots and cal whites
shoes, with cork or double solas, quilted
shoes anil clogs shoes and clogy
women's thoes of silk, sutin, Jean, or athet Womens athoes of ailk, sutin, Jean, or dthes
stuff, lid, moroco or ot lier leather girls' boots, shoes, and calaches, men's loots and thoes
hoys' boots
boyi' ahoe.
reed
rattans, nont ground
of aticks, untnumeratel
gloves of le.ther, vis.
liabit mites
lubit mitte
men's claves
wnmen't ploves or mitt
mny articles made of leather, or any bust valuable part, not otherelise enu. insratod or deweribed
Leses of rose
inechem
, intioutu
lithers: viz.
cauntries and lawns, commoniy enlled
hntilered handerchief
tlamask
damiakt diaper
sawh of all worti
lawn of any wott, not French
camhric handkecchief, hemmed, or hem atteched, not trimmer
phata lloen or diaper, whether chequerel manulactures of linent or not, anc mized with cotton or with wool, not
pharged with doty, not being articles wholly or in part made up.
paice
powder
1.1tharge
Iive creatures illustrative of ontural history
log wormd
Losh hides
Luctfers of wool, the rubic frot of exteroal packape, measirud internally
Mare
Madder
Madiler root
Magoa rrat
Mahopany
Manganese, or
Manna
Manurea, unenumeratel
Maouscripts Marta, or farts therenf, plain or
coloured
Maple wood
Mais and matting
At est, salteth or frevh, not otherwise described,
or preserved in any, other way than salted
Medils of any sort
Mediar
Mercul, pelf prepred
leaf (not gold) of all kinds
Mill boarda
Minerala and fonsils, unenomerater
Mocels of cark ur wood
orphia and uta salts
Oss, lichen thandicus
other than rock nr Ifeliod moss
Mothur- \(0^{\circ}\). pearl shells
Muojeet
Musical lnstruments:
 in leogh
overtures or extra arcompaniments
pianofortes, horizantal grand
harmoniums or set or square
harmoniums or set.pphiness Chinge
accordins, commonny faned
other sorts, ineluding flutinas, and com man tierman conceetinas
brass instruments, all sorts
not other wise enumurated or described
Munk astard finur
mizet or manufactured (eacept flout)
Myroliatan
Myrrh
New Lealand wood
Nicaragua wood
Nickel, arseniate nf. in lumps or powder metallic, and oside of ref
metallic, and oxide of, refinell
Ntre, cubic
Nutinegs
widi, in the shell
wild, not io the shelt
or other spicts or admistures thereof,
Nuts:
kernels of walnuts, and of peach stones, and of nuts or kerncts thereof, unenu meratel, commonly used for capressing
oil therefrom
cocoa buts
Pistachia
atoall nuts
nalnuts
ul vomica
Jakum
chre
Oil, animal

TARIFF

 puly, of
Rape of prapis
hed woul or guines woond
Rlce, eacept dust and meal
Rosewait

Nallliwes
Sailton
Sal amunniate
-prunella
Sality or bin
Salicine
Saliprire
Smodal wo
Sanguis draconis
Sanle Maria woon
Sapan woml
Sas-afras
Sauces, not mherwina enumersted
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white of yello
Sausagen or prodelings
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anisced
burnet
canary
carnaway
carrot
colchieum
coriand
croton
cummin
flari
rass scede ol
hemp
leek
lentils
lettuce
lucerne naxsere
nipin
minterd
onimi
quinco
raue
nesamuon
ihrabor or tree
reloil
pressing vil dieremnaly used fir el
not particularly coumerated! or desinist, Seneka roat with
nreign ships
British ships, or ressels enititiol to te begite in the United Xingdonn

\section*{sill, raw}
nubs or hosk k , and waster silk
hitown, not dyed, ant dyed, viz,
corahs, choppras, baotamusts, turont
chothes, ronials, and taliatis
and pieces, vif::
mbroilery
damask
pongees, viry:
and any other material, nut ir in ar
partics wholly or in pait male ul, nit
churped with dury
ther material tot particulatio enim
erated or otherwise clarged wial
manufactures of silk, or of cilk miredwith
metal or any other matitral the pre
ilk or satin, pla
articles treneof not otherwise mu-
metircd
- Ingll
cack
tanies
che
whitarine or anake rco

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ly pof
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of gragn
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coct or prineas wom
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or silop
yetre
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Dood
draconis
arla word
maw wal
mpartil
afras
n wool
ces, not otherwise enumerate
        nlers' red
white or yellow
white or yellow
wages or praddi"g
sagee or ju
letinardis
minony
ds 1 acont
mniseedt
beans, kitury or Frurch
burnet
canary
canary
carraway
caryot
cars ot
collicum
cole
cole
corisnder
    croton
cummin
    cummin
dari
finugreek
    cumimin
dari
fonugreek
dlax
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forest
rass sceds of oil sorts
hemp
hemp
lentils
lettuce
linseed and faxsed
lupin
maw
millet
mintard
onlon
parsely
poppry
quinco
rape
mesmann
thrub or iree
tare
tretoil
unenumerated, comumaly used fit is-
    pressing vil therefio:n
    wrim
not particularly enumeratel ar destion
    not particularly enumerate! or des
or otherwise charged with duty
    neka ruos
ienna, Hritish, hroken up or to he hroken wif .
    ith tarkle, opparel, and formitute (s)
    cept saik)
    Britshit ships, or vissels empited to te

Shumac
    knubs or hesks, and waste silk
    thrown, not dyed, and dyed, viz.:

    corahs, ches, romals, and tallatien
    chothes, romals, and taitiatis,
            and piecen, wiz.
        polin anit dan
embrointery
danaik
        zees, vi7.:
    ponkees, vi7.:

        ticles wholly or in part made up, hat
partieularly elumatrited of othrve
        charged with tluty
    charged with duty, of of sik and ant
manufacturts of silk,

        mersted or otherwise charged oin
        duty

    brocaded, vik, :
            broads stulfs
articles tre
            Woads sultis
arteles st,eneof not othersise min*
                netiscd
                    (
        ns,
        herwise
yellow
uddiug
        milac
        wood
draconis
arda wer
        ent rethe
        acorn
arsot
4.
alt alize, mised with silk, satin, or other Finverials, viat:
ind
lirisul btulis
attieles shereot nns otherviso enu.
    velurt, phisin or figured, viz. It
    indidistutis
inticles thereof not otherwise enume-
        infricles thereof not otherwiee enume-
rated
        raterl , iffle foundation of which is
        whily romposed of cotlon, or other
        whily composed of
        Whily comprosed of cotion, or ot
materinis than sult
viltmas, plain ulitr, of one colour only
        phain silin, of onte colour only
        ik or salin atriped, tipurred, or bro-
        cadeen, or plain rilubone of tnore than
        one colnar

        or brocaled
        aure mixed with nilt, sasin, or
        olher materising of plush, wholy of silk, or of silk
    vivet of plush, wholly of silk, or of silk
        mixed with entton, vis.
plaid, or embosed liy slepr
        ouf satin or fancy edzo
        figared, brocadel, or otriped or
        apoltedt, or with fancy or istiti elige, or
        and silk ribbons, In any way mixidi
        or ornainented with veliot or
        or ornamented with velizet or
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        mildhers
            articles thereof not ntherwlue enu.
        ticles
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    hack plesth, commonis
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    ancy silk net or trifor
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        nrasols and umbrellas
damast of silk antl woul, or of alte and
        damast of silk and wort, or of
    other materials for furniture
    sillinery of silk, or of whirh the greater
        part of the niaterlals is of aill, vis. :
        tarbans or capl
        tarbans or capis
hate nr honnete
        hats or honnete
ilresses
    itresea
manofictires of wilk, or of aill mised with
say other materini
sar wher
Sill worm gut
shiver sand furs, vis.
    pelis and tails.
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    seal, in the hair, not tresti
uquirel or calahar, unilrissed
    uquiret or calsesset
badger, undrent
beas, undressed
    be3r, undressed
    leaver, undiress
cat, undrevsed
    cal, inndressent
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    coney, unitressed
    derf, th the hair, not tanned, tawed, or
    doy th ithe hair,
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    dop lish, undressed
    dop linh, undresse
eff, ondressed
    eif, ondresset
ermine, dressed or undressed
    ermine, dressed in
fisher, undressed
fith, unilressed
    fitch, unilressed
for, uniressel
fos talls, undre
    fos talls, undressed
    fos talls, undressed
goat, taw or undressed
    goas, taw or undressed
    poose, ondressed
hare, undrewed
    hare, undreswed
    lankaroo, ulldressed
    hid, in the halr, undressel
    lid, in the hatr, und
folinti, untressel
leopard, undressed
    lion, undressed
    lion, undressed
hyIz, undressed
    marten tails, undreser
    mins, undresend
    miny, undrewend
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    musquash, undressed
    nutria, undiressed
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    other, undressed
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    panther, ondressed
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    lamb, dyed ur colour
    mina, dressed is oil
    ming, dressed
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    font, tanned, tawed, or in any way dressed
    font, tanned, tawed, or in any way dressed
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undrused, In the wool
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    anif furs, or plieces thereof, unenumerated,
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    ned furs, or plieces thereof, unemumerated,
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and furs, or pilces therwoff, tawed or un.
        and fuss, or pleces thereof,
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tode for twolts
        rodufor loolts
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Stationery
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    Staves, not esceeding \({ }^{7} 2\) inches in length, nor
7 inches in breadeli, nor \(3 i\) inches in thick.
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Tallow, vegetable
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inarbles
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\section*{TARIFF}

Bean meal.
Maike or Indian corn meal.
Buck wheat monl.
Meal, not otherwise enmerated or described. Arrow root.
13arley, pearled.
Biscuit and bread.
Cassava powder.
Macearoni.
Mandieca tluur.
Manna croip.
I'otato flour.
Poweter, viz. hair.
perfiumed.
not otherwise enumerated or tescribed
that will serve the same purpose as starch.
lice thast and meal.
Saro.
Semolina.
Stareh.
gum of, torrified or calcined.
Tapioca.
Vermicelli.
2. That, in lien of the duties of customs now chargeable on bier and ale, as denominated in the tariff, on importation into Great Britain or Ireland, the following duties shall be charged, viz. :-

Beer and ale, viz. :-
Mum, the barrel of 3 f partons
Spruce, tho barrel of \(5 \hat{6}\) gallons


Of other sorts, viz. :-
\begin{tabular}{|c|c|}
\hline er, the worts of which were before fermentation of a specithe gravity not exceediag \(1,060^{2}\), the & - \\
\hline & 080 \\
\hline  & 011 \\
\hline Exceeding 1,090), the barrel of 30 gallons & 016 \\
\hline
\end{tabular}

Grant of Ineome Tax.-3. That, towards raising the supply granted to her Majesty, there shall be eharged, collected, and paid for ono year, sommencing on April 6, 1869, for and in respect of all property, profits, and gains mentioned or described as chargeable in the Act passed in the sixteenth and seventeenth years of her Majesty's reign, c. 3.1, for granting to her Majesty duties on protit arising from property, professions, tades, antl offices, the following rates and duties (that is to say'):-
For every 20 s. of the annual value or amount of all such property, profits, and gains (except those chargeable under Schedule ( 1 ) of the said Act), the rate or duty of \((\mathrm{id}\).

And for and in respect of the occupation of lands, tenements, hereditaments, and heritages chargeable under Schedule (B) of the said Act, for every 20 s . of the annual value thereof, in Eingland, the rato or duty of \(3 d\)., and in Seotland and Ireland respectively, the rate or duty of \(2 \frac{1}{d} d\).
Suliject to the provisions contained in sec. 3 of the Act 26 Vict. c. 22 for the exemption of persons whose whole income from every source is under 100l. a-ycar, and relief of those whose income is under e00l. a-year.

Rrpeal of Assessed Taxes.-4. That the da ties of assessed taxes now payable in Greai Britain shall ccase to be assessed in respect of male servants, carriages, horses, mares or geldings, mules, hair powder, and armorial bearings employed, kept, used, or worn respectively after April 5, 1869, in England, and after May 24,1869 , in Scotland, and on persons using or exercising the trade and business of a horse dealer after such days respectively.
Repeal of Excise Locomotion Duties.-5. That, on Jinntary 1, 1870, the following duties of excise shall cease to be payable (that is to say) :-

Upon licenses to let horses for hire in Grea Britnin.
Upon licenses to let to hire horses for the purposo of travelling post by the mile, or from stage to stage in Ireland.

Upon llcenses to keep, use, and let to hire hackney earriages, within the llmits of tho motropolitan police district and the city of Loadon. and also the weekly duties payable in respect such haekney carriages.

Upon liceuses to keep, ise, and employ stage carriages in Great Britair, and also the mileage duty payable in respect of such stage carriages.

Cirant of Exxcise Duties on Male Servants, Carriages, Horses, Mules, and Armorial Bearings, and on Horse Dealers.-6. That towards raising the supply granted to her Majesty, there shall be granted, clatged, levied, and paid on and after January 1, 1870, in and throughout Grest l3itain tho following duties of excise upon licenses to be taken out annually by the persons who shall employ any malo servant, or who shall keep aay earriage, or horso or mule, or who shall wear or use any armorial bearings, or who shall exereise or carry on the trade of a horse dealer.

\section*{Male Servants.}

For every male servint employed elther wholly or partally In any of the followlog capaciles, viz. :-maltre dhotel house steward, master of the horse, groom of the chamhers, valet de chambre, lutler, under hutler, clerk of the kitchen, confectioner, cook, house porter, footman, pape,
waiter, coaclunan, groom, posililion, stable boy or helpet In the stables, gardener, under gardener, park keeper game kceper or game watcher, huntsman and whipyerla, or in any capacliy involving the dutles of any of the aliove dencrimionn of servants by whatever style the per
son acting to anch capacliy may be called

\section*{Carriages.}

For every enrriage drawn by e horse or mule, or by horses or mules lencept a wakigon, cart, or other velicle ustal solely tor the conveyance of any goods or burden in the
course of trate or hushandry, and whereon the Christitu name nind surname, and place of abode or place of lins ness of the owner, shall be visibly and lekibly paintell) If such carriape shall ha ve 4 or more wheels, atd alhall he of the welght or 3 cwt. or upwards
If such earriage shall have tess than
If such earriage shall have less than 4 wheels, on
3 cwt .

\section*{Horses and Mules.}

For every horse or mule thacluding a horse or pony of any ses or deseription or ake, hat not including a foal, colt, or
filly, or mule, which shall never have heell used for any purpose of draught or riding)

\section*{Armorial Bearings.}

For nrmorial beatlogs (ineluding any armorial beari"gs,
crest, or ensign, by whatever oatue the same shat! b
called)-
If such nemerial beariogs shal
aflised on or to any carriage
fi such arnor to any carriage
used armorial bearings shall be otherwise worn or

\section*{Horse Dealers.}

Every horse dealer in Great Britaln
- 12100

Repeal of the Percentage Duty on Fire Inst-rances.-7. That, on June 25,1869 , the stamp duty at the rate of 1 s .6 d. . per cent. per annum, now payable in respect of insurances against loss of damage by fire only, shall cease to be payable.
Repeal of Lixcise Duties on Tea Liceuses.- That, from July 5,1869 , the duties of excise nor: payable upon licenses to be taken out by persons trading in or selling coffec, tea, cocoa nuts, chocolate, or pepper, shall ecase to bo payable.
For Tariff of the Isle of Man, sco Mas, Isle of.
II. Tamifrs, Colonial.

Sec alsu Adelaide, Cape Town, Melucerse, Tasmania \&c.
Statements showing the alterations on colonial tariffs are laid beforo Parliament periodically.
For lndian Tariff, see Calcutra.
horses for hire in Great to hire liorses for the pur, by the mile, or from stage
seep, use, and let to him ithin the limits of the m let and the city of Londen, uties payablo in respeet of es.
ceep, we, and empley stage ritair, and also tho mileage ect of such stage carriages. 1)uties on Male Servants, rules, and Arnorial Bearings, -6. That towards raising the her Majesty, there shall be vied, and paid on and after ind throughout Great Britain of excise upon licenses to oy the persons who shall cmrant, or who shall keep any r mule, or who shall wear or sarings, or who shall exercise of a horso dealer.

\section*{ale Servants.}
ployed elther wholly or partially theitles, vir.:-mors, groom of the chamtheler, under hutipy, sletk of the al, house porter, footman, pape, ,', posder gardener, park keeper, stcher, huntsman and whipperivolving the dules of ally or per vants by whatever style tha per. ity may be calle

\section*{Carriages.}
by a horse or mule, or by horse gon, eart, or other velhicle usel ef any goois or burden in the andry, and whote or place of tuin d place of abode or place or have 4 or more wheels, and shill 3 cwt. or upwards 4 wheels, or hat have hess than

\section*{orses and Mules}

Ancluding a horse or pony of any b but not met have livell used for any hall never have lwen used for any iding
morial Bearings.
including any armorial beerives, hatever name the same rings shall be painted, marked, rings shall be otherwise wom or

Horse Dealers. reat Britain
Percentage Duty on Fire Insth on June 25,1869 , the stamp duty - bd. per cent. per annum, nor et of insurances against loss 6 nly, shall cease to be payabic. ise Ditties on Tea Licenses.-s. 5,1869 , the duties of excise nor enses to be taken out by persans enses toffee, ten, cocoa nuts, chocoling eoffee, tea, cocad he Isle of Man, sec Mav, Iste Or.

Colonial.
aide, Cape Town, Melnotree,
owing the alterations on colonia efore Parliament periodically. uriff, see Calcutia.



Rates of Import Duly Lavial by Culonial Titriffs Sc.-continued.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{3}{*}{Colonial Po ocssiuns} & & \multicolumn{10}{|l|}{Arteles of Food-ciuntinurd} \\
\hline & & \multicolumn{2}{|l|}{Corn-ront.} & \multirow[t]{2}{*}{,} & \({ }^{1}\) & & & , & Piciler a:dsaur & Tea & Beer and Ale \\
\hline & & Indian Corn & Flour & & Dried & Pichied & R3\% & Reined & & & In Woor \\
\hline & & per bushel & \%er birrel & - per cwt. & - per crit. &  &  & per cmi . & p.c. and ral. &  & per pal. \\
\hline \({ }_{\text {India }}^{\text {Indits Settements }}\) & & Free & Ti p.c. ad ral. &  &  & -3 p.c. \({ }^{\text {ruad }}\) val. & if me. ad val. & if pece ad val. & if &  &  \\
\hline Cretlon & - & \%d. & cor ler cwizl &  & cis. &  & core ad val. & - & 3
6 & 1 c & d \\
\hline \({ }_{\text {Maben }}^{\text {Mauritius }}\) & : & \({ }^{6}\) p.e. ad rat. &  &  & Free &  & Cib circe & Free & Frue & Free & Frre \\
\hline Hismg Kong & - & Free & Frie & Free & Frue & Free & & & F:/e & & \\
\hline Austratia: \(\begin{aligned} & \text { New South Wales } \\ & \text { Nomen }\end{aligned}\) & & Free & Free & 24. & 5 p.e. ad val. & \({ }_{3} \mathrm{p}\) c. ast rad. & ! 5 & cs. Sd. & 5 & sid. & 3.4. \\
\hline \(\underset{\text { Vouth Australia }}{ }\) & : & Frree & Frue &  & 5 p.c. ad val. &  & 3. & \% & \({ }_{5}^{5}\) & \% \({ }_{\text {i }}\) d & \({ }_{4} 6.1\) \\
\hline Wertern Australia & & Free & & Free &  & 7 f \%.c. ad ral. & -s. & 4 4. & & kd. & \\
\hline Tasmaniz & & Free & F & 4s. Sd. & Per cubic foot, 26. & Per cutic frot, 28. & cs. & cs. & Pts. & cd. & 6 d. \\
\hline New & & Frce & Free & & & Per cut. 2. & Es.ju. & 98. id. & tet culi. fi. \(\mathbf{z a}\). \(e d\) & \(\stackrel{c d .}{\text { id }}\) & \({ }_{\substack{198 \\ i d .}}\) \\
\hline Queenstand & & Free & \(\underset{\substack{\text { Free } \\ \text { Free }}}{ }\) & Frie & -1) receind rat. & 71prex rid rat. & Free & \({ }_{\text {Frec }}\) & & Frie & \(\underset{\text { Free }}{ }\) \\
\hline Fateland islands & : & Free & Free & Free & 6 Pic.ad ral. & per p.e. ad sat. & 3s. fid. & sfa & 6 & \(4 i_{\text {d }}\) & \({ }_{1 / 8}\) d. \\
\hline Cape of Good Hope & &  &  & \%s.9.d. & Fre &  &  & \({ }^{\text {F }}\) Firee \({ }^{11 / d .}\) & Free & \(\mathrm{F}_{\text {ree }}\) & 2\%d. \\
\hline  & & Free & & & & & - & & - & - & f. \({ }_{\text {d }}\) \\
\hline \({ }^{\text {coser }}\) & & \[
4 \text { p.c. ard val. }
\] & \[
\overline{f .}
\] & 4 p.c. ad val. & 19. & \[
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\] & g. id. & \[
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\end{aligned}
\] & Frie & Fice & Frie \\
\hline \(\underset{\text { North America }}{\text { a }}\) & & & & & & & & & & \(1!8\). to \(312 d\). & \\
\hline Canad \({ }^{\text {ama }}\) & & 5 & & & S Frum hi.S.A. &  & \%s. 10 d. to 1z6. 1.8. & \(1: 8\). & 15 & 15 p.c. am 1 & mid. \\
\hline  & : & 10 p.c. asi val. & 18. & & (Colonies, \(\begin{gathered}\text { Free } \\ \text { Sre }\end{gathered}\) & Collonies, free
Free & \[
\text { 45. } \mathrm{dd} \text {. }
\] & 1s.asd. & 1. &  & 3 gl. \\
\hline Prince Edward lsland
Newfoundland & & 10 p.e. and val. & \[
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& 16 . \\
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\] & 3 p.c. ad ral. & & &  & \(12 \mathrm{s}\).dd . & &  & 41. \\
\hline Newfoundland & & 5b p.c. ad ral. & \[
\text { 1t. } \epsilon d .
\] & 51 p.e. ad v.al. & \({ }_{30}\) So. fid. &  & -s. p.c. al val. & 20 pec ad val. & & 2) p.er. ad val. & yop.c. atal ral \\
\hline British Columbia
Vancouver's
Island & & \({ }^{125}\) P.c. ad ral. &  & 20) P.c. ad rad. &  & \(\left.{ }^{19}\right\}\) p.c. ad val. & \%op.c.ial val. &  & Friem & 5perac val. &  \\
\hline Bermuda & & 5 p.c. ad rat. & 5 p.c. aus vat. & 5 p.c. ad val. & p.c. ad val. & 5 p.e. ad v.al. & & 135. 54d. and 2 p p.c. ad va & &  & \[
\begin{gathered}
\text { ve. and } \\
2 \text { p.c. ad ral. }
\end{gathered}
\] \\
\hline Honduras & & 7 p.c. ad val. & 5 p ¢.c. ad ral. & ; p.c. ad ral. & \({ }^{7} \mathrm{p} . \mathrm{c}\). \({ }^{\text {a }}\) dral & ; per ad val. & \{ \& pocc.ail val. \(\}\) & 135. mad. and - pece ail val. & & \% p.c. ad ral. & 2 p.c. ad rai. \\
\hline West India Islands: & & & & & & at 10.38. & sat ro: & \(1{ }^{1}\) & 15 &  & \(\stackrel{4 d .}{4 .}\) \\
\hline Turk't Isand & & 2d. & 33.9d. & 15. \(11 / \mathrm{d}\) &  &  & 48. 8d. to is. & 9s. & & 1. l . cd d. & \\
\hline Jamaica & & \(5 d\). & \({ }^{5} 8\). & is &  & \} \#f. 1018. & 1/r. &  & Free & Yree & cd. \\
\hline  & & Yree & 48. \({ }_{\text {c }}\) &  & Free
Is and &  & Tetinarred. & fs. \({ }^{\text {a }}\) d & Fre & Therse val. & lid. \\
\hline Neris & & st. &  & 19. 19d. & 1x. & & Fipereal nal. & 4, & \(\stackrel{3}{6}\) & td. & \({ }^{2} \frac{1}{4}\) d \\
\hline  & & dstis & 4. & 2as & 1s. 1 1d. & & \% p.c. ar & \%e.id. & \(\square_{13}^{13}\) & & \%d. \\
\hline Mominicat & & 5 p.c. \({ }^{\text {td. }}\) al val. &  & 20. 4.8. & \[
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& \text { is. }
\end{aligned}
\] & 2a. fut. tan 1s. 4. l'er cwl. is. & 10p.coat rit. & 10 p.c. ad val. & & jp.c. ad val. & cei ad ra \\
\hline st. Lucia \({ }^{\text {a }}\) & & 5 p.c. ad val. & 3 s . \(\mathrm{d}_{\text {d. }}\) & ?c. 1 ch. & & I'er cwi. is. & & 10s.and 1 p,c.ail val. & & 1 3d. and & zed, ard \\
\hline St. Vincent & & !d. anil 1 p.c. & and 1 pee. ad & and 1 p.c. al. , a! & 2f. and 1 juc a & and 1 l.c.e. ar & dip.c. p &  & & 1 p.c. nd ral. & id. \\
\hline \({ }_{\substack{\text { Rarbadoes } \\ \text { Grenada }}}^{\text {a }}\) & - & \(\underline{2}\) 2,d. & 38. 6 is. & 2s.d.d. &  &  &  &  & 5 & 4. & itd. \\
\hline Grenada & & - & & & 12.11.d. & & & From save cauntries, quy & -) & \(4{ }^{4}\) & 2td. \\
\hline \(\underset{\text { Tobagol }}{\text { Trinidal }}\) - & & s. & \% & 2. - -d. & 1s.) 1 d. & 2f. fd . & 118. \(2^{\text {t }} \mathrm{d}\). & - \(1: \mathrm{x}\) : 1 l - & 5 & \%. & \(\ddot{4}\) \\
\hline  & & \({ }_{y}\), & 4s. 20. & 12. 21. & ese d. &  & \(\underset{\substack{\text { Free } \\ \text { Fruer }}}{\text { cre }}\) &  & Frie & Frive & Frie \\
\hline Ginilratlar
Mafia & & Free. &  & Frie & \[
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& \text { Froe } \\
& \text { Free }
\end{aligned}
\] & Free & Free & & Fit & \\
\hline
\end{tabular}
Rates of Import Duty Levied by Coloniul Tariff＇s \(\oint\) c．－continued．
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{3}{*}{Co．onial Prssesions} & \multicolumn{4}{|l|}{－＿An：les of Food－contived} & \multicolumn{5}{|l|}{Miseltasoon Aricte} \\
\hline & Beer and Nle－com． & \multirow[t]{2}{*}{spiris} & \multicolumn{2}{|l|}{Winee} & \multicolumn{3}{|l|}{Tobuceo} & \multirow[t]{2}{*}{end Paper} & \multirow[t]{2}{*}{\({ }^{\text {Bath }}\)} \\
\hline & \({ }^{\text {In }}\) Botle & & In Wood & In Botile & Cnmanufactara & Manofactured & Ciqan & & \\
\hline India－ & \[
\begin{gathered}
\text { per dozen } \\
3 d .
\end{gathered}
\] & reemallen &  & perdozen &  &  & peril & Fip，c， & \(\xrightarrow{\text { asatat }}\) \\
\hline Straits seulements & 3. & \({ }_{6}\) & & 48．060． & 10 p．c．ad ral． & 10 poc．ad ral． & \({ }_{10}^{10} \mathrm{c}_{\text {p．c．}}\) ad & Patatie & \({ }_{\text {Free }}\) \\
\hline  & s．l． & ctis & 20．ad． & 35． & 1. & 2td & d， & \(\underset{\substack{\text { Paptete } \\ \text { Prite }}}{\text { Patite }}\) & Fre \\
\hline hatuan Hoor \(_{\text {Long }}\) ： & rtre & \(\underset{\text { Yree }}{ }\) &  & coit &  &  & \(\substack{\text { Free } \\ \text { Fre }}\) & \({ }_{\text {Fie }}^{6}\) & Pree \\
\hline Atyen & 1. & 10． & 3 s． & \％． & & & 5 & & \\
\hline Soien Autrit & \％ & 道： & \％ & \％ & ditad ral． &  & 3： & \({ }_{\text {Frg }}\) & \({ }_{\text {Premem }}^{\substack{\text { Frime }}}\) \\
\hline Thamanat & 19\％30 & 12： & 2： & \％ &  &  & \％ & Fremen &  \\
\hline cole & ， & ctiot & ， & 家 &  &  & &  &  \\
\hline  & ¢d． &  & & & & &  & & mre \\
\hline St．Hilena & \(6{ }_{6}\) & & \({ }^{2} \cdot 1.34\) & 4， & c． & ， & 10 p．cisa rail & 10 & \(\mathrm{frue}^{\text {er }}\) \\
\hline  & \(\underset{\substack{\text { crioe }}}{\text { prem }}\) & citizad． & 14．\(\overline{\text { y }}\) d & 2h \({ }^{\text {a }}\) & 1980 & 1－34． &  & \(\cdots\) & fip． \\
\hline  & & & & & & & & & \({ }_{\text {Hrex }}\) \\
\hline Nown mansmick & \} 10 d d & 3． 4 d ． & 34． 10 to．ope & ca．sud tut 6 6． & Free &  &  & 15 & Free \\
\hline Frince Edmard Iland & 6 d d． &  &  &  & \({ }^{2}\). & \({ }_{4} 4\). &  & \({ }^{19}\) & Free \\
\hline Newfoundand & 8 d &  &  &  & \(31 /\). & \(3_{3} 1\). & Teriom， &  & Free \\
\hline  & 20 pe．，ad ral． &  & 25 p．c． 10 40 p．c．c．ad rab． & 25 p．e．to to 10 p．c．ad ra ： & 30 p．c．ad val． &  &  & & Fre \\
\hline  & \({ }_{\text {F }}^{\text {Fimeo }}\) & \(\stackrel{\text { Free }}{\text { sice }}\) &  &  & Free & &  & \({ }_{\text {rex }}\) & \({ }_{\text {Free }}\) \\
\hline West & 40，and 2 p．c．ad ad ral． & 2 p．c． & R．and 2 p．c．a &  &  &  &  & ， & Ere \\
\hline \({ }_{\substack{\text { Rahamas }}}^{\text {Rat }}\) & &  & 6d．and 20 p p．c．ad ral． & 14．and 27 p．c．ad ral． & & \({ }^{13} \mathrm{~d}\) ． &  & 15 & \\
\hline  &  &  &  &  & \({ }_{\text {l }}^{\text {did }}\) &  &  & \(\underbrace{10}_{12}\) & Fre \\
\hline Stersin &  & coicte & cose & isp．c．ad ral： &  & city & \({ }^{10} \mathrm{p}\) priaf & & \({ }_{\text {freem }}^{\text {free }}\) \\
\hline  & \({ }_{6}\) &  &  &  & ， & did & Petimut & \(\stackrel{6}{6}\) & \(\substack{\text { fice } \\ \text { free }}\) \\
\hline  &  &  &  & \({ }_{\text {cose }}\) & &  & \％oppe．ar rab & 20 & tre \\
\hline  &  & 4．and a ．e．e．ad aral & \(\xrightarrow{21 \text { p．e．ad alat }}\) & \(\xrightarrow{215, c . a s \text { rall }}\) & \({ }_{5} 1\) St．and &  &  & \({ }^{6}\) &  \\
\hline  & &  &  & cosome & 管 & S &  & &  \\
\hline \％aterems： & \(\cdots\) & 荈 & ， & ， &  & \％ & 为 & \％ &  \\
\hline
\end{tabular}


\section*{1II. 'TAmfres, Fumahs.}

The more important of these will be found, in morr or liss detail, unter the following heads, viz. Barivis, New Yohs, lethiesuule, unt under Turintas, nee nub-hends, Iustria, Belgam, Chim, France, Moroceo, Siam.
but these tarilfs, like the culoninl, are subject to constant. change, as may be seen from the bapert wh the subjuet lahil beture l'arliament from time to time, us well as by the Bonrd of 'Trado. mitices which appear in almost every number of the londion licrzette. The most important that has apmared in tho Giazetfe, between 今pril 1 and I?, litil, is the following, as to the incrense of laties on exports ifrom Cubn:-

In Spaninh Kilips In other Noluph

``` yer arnila of e2s lla. Itest tulnte er, per quinial, 100 nt . Mol wes, wr langhead of 120 gai
```

| In Spanivh Silips | In other Nidjph |
| :---: | :---: |
| dol. ets. <br> 075 | dol. cta, <br> (1) 871 |
| $\begin{array}{ll} 0 & 4 \\ 1 & 1 \\ 0 & 60 \\ 1 & 0 \end{array}$ | $\begin{array}{ll} 0 & 0^{\prime} \\ 1 & 7 \\ 0 & 30 \\ 1 & 6 \\ 10 \end{array}$ |

TAli[AR. [Angai* ]
TASMANLA or YAN DIEMENS LAND. A large island belonging to Great Britain, forming part of Australin, lying between $41^{\circ} 20^{\prime}$ anil $43^{\circ}+10^{\prime} \mathrm{S}$, lat., mand $141^{\circ} \cdot\left(10^{\prime}\right.$ and $148^{\circ} \div 0^{\prime} \mathrm{W}$. long. It muntains : 4 ;, 215 spluare miles. (See the Mereator's (hurt pretixed to this work.)
This land was discovered by the Dnteh navigntor Tasinan in 16.2, and was named in henour of luthony Vim Diemen, at that time governorgeneral of the Dutch jesssessions in the East lunties; but it is now insumly callen JTasmania, from its discoverer. Previously to $1 \mathbf{7 9 8}$ it was suppused to form part of New llollanul, but it was then ascertained to be an island. It was taken posession ot by the British in 1803; nad in $180 \cdot+1$ Hbart 'lewn, the capital, was founded.
The surface is generally hilly amb momtainous; but, though none of the land be of the lirst quality, there are several moxlerately fertile plains, and a goon deal of the hilly ground is susceptible of being cultivated. On the whole, however, it is not supposed that more than about a third part of the entire surface of the island can be considered arable ; but aloont a third more may be advautagrously usal as sheep pasture. As compared with Siw iltolland, it is well watered. The climate, though variahle, is, generally speaking, good, and suitahle for Eiropenu constitutions; mad it is not exposed to the tremendous iroughts that occasion so much mischief in New South Wales. Wheat is raised in considerable quantities; thongh woot is at present the staple produce of the colony.
Yan Diemen's Land, like New South Wales, was originally intended to serve as a pemal colony, and it receivel between 1823 and 1850 no fewer than 58,243 convicts. It has also received, especially of late years, large numbers of lree settlers.

In 18517 the total population of the islund nmounted to 98,451 .
l'or some considerable time great illssatisfaction was folt by the colonists at the contimued impurtation of convicts; and proviously to 18:0) very vigorous measures were taken to elfeet lis suppresslon. It was tinally abanloned in 1853 . In truth, after the discovery of the gold tields in the aljoining contiaent, it could no longer be continned. The convicts lamiled in Van Diemen's Land very spectily escapelal to Vletoria or Nex Sonth Wules; where a large propertion of them recommenced the samo eareer which had led to their ejection from their mother country. A misanco of this sort conld not be tolerated. And however our eriminal population may be disposed of, it $\mathrm{i}_{\mathrm{L}}$. 10 longer to be permitted to contaminate and loritaliso the Australian continent.
lloburt Town or Hobarton, as it is usually: termed, is sitmated in tho southern part of the islaml, win the wast side of the river Derwent, near itsjunction with Storm llay, lat. (Vort Mulgrave) $42^{\circ} 53^{\prime} 5^{\prime \prime} \mathrm{S}$., long. $147^{\circ} 21^{\prime} 5^{\prime \prime}$ I:. The water is deep, mad the anchorage good. A jetty has been constructed, accessible to the largest ships. The situation appears to have been very well chosen, aul the town has been judiciously laid out. In 1862 hobarton containel 19,4.19 Inhnoitants. The houses are supposed to be worth, at an average, 501. n-year. There are several printing establish. ments in the town, and varions newspapers, some of them very well conducted. There are also a Hook Soeciety, a Mechanies' Institute, and several respectablo schools and academies, The Van Diemen's Land Banking Company; the Austrulasian Bank, the Unien Bank, the CommercinI llank \&c., have otlices in Hobarton. They are joint-stock companies. A lighthonse, with a tixed light 70 feet in height, inas been erected on Cape Direction, on a small island about 6 miles S. from IIobarton.

Launceston, the second town in the island, is situated in the northern part, at the head of the navigable river Tamar, which falls into Port Dalrymple. Its population amounted in 1862 to 10,359. It has a consillerable trade with Syducy and IIobarton, and with Eingland.

Trade of Van Diemen's Lami.-In 1867, 643 vessels, of 107,903 tons, entered the ports of Tismania. Haberlashery, apparel, cotton aud linen goods, hardware, malt liquor, tea, sugar, wine de., torm the principal articles oftimport.
Here, as in New South Wales, wool forms by far the most important article of export ; next io it are flour and oats, live stock, timber, sperm oil, potatoes, mimosa bark, and varicus less important articles. The usual excess of the imports over the exports is accounted for by the renittauecs to defray the cost of the convict establishment.
We subjoin accounts of the principal articles exported from, and imported into, the two chicf ports of 'Tasmania in 186:1, 1860.5, nud $1866^{\circ}$.

Acconnt of the Qumatities and Vahues of the Prineipal Articles Frported from Mobart Town and Launceston in' each of the $\mathbf{Y}$ cars 186.1, $186 \mathrm{in}_{\text {, }}$ and 1866.

| Aricles |  | Quantites |  |  | Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1861 | 1565 | 1466 | 156 | 1483 | 1866 |
| Butur and cheese | - value |  |  |  | $\underset{12,629}{\boldsymbol{E}}$ | 2 ${ }_{2}^{2,0103}$ | $\stackrel{ \pm}{22,956}$ |
| Flour and cheese. | - value | 4,268 | * 16 | Y, 113 | 85, 0.95 | 17,019, | 22, 219 |
| Fru 15 and preserves Grain: ests | - vushlue |  |  |  | 92,151 42,213 |  | 86,575 |
| Grain: osts wheat | - bushels | $23.5,5.57$ $26,54.3$ | 467,7\% | 276,917 62,568 | 42, 10,13 | 81,975 14,104 | (1),997 |
| Hores - | $\cdots \quad \ddot{00 .}$ | 0.17 |  | \% 4 , 6 | 14,210 | 47, 290 | 11,111 |
| This sperm | - mus | 6.371 | 394 | -351 | 19,135) | 44, 1.32 | 35,5711 |
| Preatre ${ }^{\text {a }}$ - | - tons | 411 | 1,1017 | 7248 | 4,1796 81,466 | 8,335 S6, 654 | 29,211 |
| Weol | - value | $4,97 \ddot{2}, 38.3$ |  | 4,763,291 | 81,26.9 | 341,6i25 | 46,276 $3 \times 5,105$ |
| Toral matue | . . | . | -.. | . | 975.730 | 581,969 | 8.33, 606 |

Aecomut of the Qtamtitios und Values of the Princijnl Articles Inported at the Ports of Moburt T'ou'n and Launceston in ruch of' the ''ears 186id, 1865, and 1866.


Ot the imports, abont 3 are from the Cuited In $^{2} 1867$ the value of the total imports into the Kinfdom, and nore than 3 of the residue from Dinited Kingrlom from Tasmania was 406, 1300 ., Inilia and other British possessions. About $\&$ of and that of the total exports from the Ititerl the exports are destined for the Vhited King- Kingdom to Tasmania 228,9231 , of which 916,8001 . dom, nind the rest for our colonies and possessions. represented lititlsh produce and manufacturcs.


| 1'orts |  | Emtered |  |  |  |  |  | Cleared |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Whith Carkoes |  | 1n $n$.ulast |  | 'Total |  | Whh Cargorg |  | In Mallast |  | Total |  |
| Holmat Town Launce.tont |  | vesuls 184 | tons 46.8 .8 $4 \times .698$ | $\left\lvert\, \begin{gathered} \text { ressels } \\ 11 \\ 1 / 4 \\ \hline \end{gathered}\right.$ | 20,4, | vessils <br> 407 <br> 116 | toms <br> $\therefore 4,068$ <br> $6.3,3,75$ | $\begin{gathered} \mathbf{v e s t r i v e} \\ 216 \\ 2 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { tont } \\ & 51,3,342 \\ & 44,: \geq 2 \end{aligned}$ |  | $\begin{array}{r} \text { tons } \\ 4,646 \\ \hline .1 .39 \\ \hline \end{array}$ |  |  |
| Tot. 1 |  | (14) | 5! 1202 | $2 \mathrm{i} \%$ | 15.506 | (i)3 | 30, 30.3 | (in15 | 99,91i | 87 | 6,181 | Ain2 | ]ugive |

The disenvery of the foll tichls in Vietorin and many of the hetter elass of labourers again New Sonth Wales had min instantancons and powerful effect on Trasmania. All sorts of industyious undertakings were paralysed. The emigration from the colony was sudden and excessive; and many furmers were all but totally deserted by their laliourers. But, though exposed for a whilo to great difficulties, a revulsion soon began to take effect in theour of the Tasmanian colonists. An milimited market, at greatly advanced prices, was opened in the adjoining continent for their $\mu$ rain, potatees, timber, and other products. Hence relumed to the colony, some with considerille sums of money. And the emigration lad the effect of ridding the island of the worst purtion of the convicts, who were found carrying on their lepredations at the 'diggings,' on the roads, and in the towns of Victoria and New South Wales. (See the valuable work of Westgarth, entited Virtoria, its (Gold Mines \&e., cap. vi.) The caigration, however, has had a marked effect on the imports aud exports of tho colony, tas will le seen from the foregoing as well as the following tillile.

Stutement of the Declared Vulue of Imports into, and Exports from, Tasmania, and the Rate per Mrad of Popultion, for each of T'n Years ending with 1860.

| Years | Imports | Exports | Population | Hate grer llead of |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Imports | Esports |
| 18:5 | 1,271,087 | 1,3, ${ }^{\boldsymbol{x}} 1.65 \%$ | $88_{6} 612$ | $\begin{array}{llll}1.3 & 4 & \\ \text { did }\end{array}$ |  |
| 19.34 | 1,325,6112 | 1,151, 6119 | 81,421 | $1514{ }^{15}$ | is 12 10 |
| 159! | 1,163:9417 | 1,193, ${ }^{109}$ | N6,10, | $\begin{array}{llll}13 & 9 & 36\end{array}$ | 1.16 |
| 1 13il | 1,06.4,411 | (tic) 170 | 84,115,3 | 12 is $x$ | 10 In 6 |
| $1 \times 61$ | 953.517 |  | 90,211 |  | 100 |
|  | $8.57,148$ ! 112,911 | 919, 919 | 9n, 91.24 | 9 9 0 <br> 9 17 34 |  |
| 1) 414 | (1x) 2 ¢f: | 998, | 9,3,417 | 9 17 31 <br> 9 11  | ${ }_{10}^{10} 98$ |
| 1N6, | 912.6,117 |  | 29, 311 |  | 9 5 8 <br>  11 3 <br> 3   |

Tariff--Tha Legislatare of Van Diemen's Land, after atvising with the other Australian colonies, pussed an Act, which came into operation in Feluruary 1853, simplifying and reducing the tariff. It proceeds on the principle of imposing claties on a few articles in extensive demandi, and nore especially on those belonging to the class of stimulants, and exempting the others. Hence ardent spirits have attracted the marked attention of the fasmanian thanciers, for the scale of duties is as follows, viz.:-



Rates of Pilotage, Marbour Dues şc. Wharfugr.
On landing each cask, bale, or package
lron, per ton
sait
limber, ", jer 1 , 10 m feet
On shipping eaeh cask, bele, or package Iron, per ton
Colonial produce, when'landed in shipped, ls not subjected to sny charge, "scept for a sufferance.

TASMANLA
at the Ports of Moburt and $1 \times 16$.

| Value |  |
| :---: | :---: |
| 196\% | 1866 |
|  | $\boldsymbol{\chi}$ |
| 21,0611 | 29, 9 |
|  | 16, ${ }^{4,401}$ |
| 3, $8 \cdot 11$ | 1,9:8 |
| 166,49\% | 2979791 |
| 4,112 | 9,143 |
| 46,91.9 | S\%, |
| \% $\mathrm{N}, 11 \mathrm{~N}$ | 1品419 |
| 15,611 | 8, 697 |
| 418193 | ${ }^{4,758}$ |
| 211,631 | $41,58 \mathrm{Cl}$ |
| N6,164 | 120,1:3 |
| 41.211 | 41,991 |
| 11,0,96 | 18.914 |
| (1,115 | 15,142 |
| 764,38, | 914,109 |

the total imports into the n I'asmania was 406, 430 l . l exports from the Vaited -223,923l., of which 216,8501 . roduce and manufactures.
und in Ballast, at earh of

| Cleared |  |  |  |
| :---: | :---: | :---: | :---: |
| In liallast |  | Total |  |
| $\begin{array}{\|c\|} \hline \text { vesselv } \\ \text { y } \\ 7 \\ \hline \end{array}$ |  |  |  |
| - 7 | li, 121 | 6.38 | Tus, |

$r$ class of labourers arain ony, some with considerable and the emigration had the island of the worst portion of rere found earrying on their 'diggings,' on the roads, and torin and New South Wales, work of Westgarth, eatitled fines Se., cap. vi.) The emihs had a marked effict on the of the colony, as will be seen
as well as the followiag table. as as the followiag table. om, with 1866.

| mports | Export |
| :---: | :---: |
| (i) is |  |
| [14 $\begin{array}{r}14 \\ 9 \\ 4 \\ 4\end{array}$ |  |
| $\begin{cases}2 \\ 11 & k \\ 9 & 41 \\ 7\end{cases}$ | $\begin{array}{llll}100 & 0 \\ 10 & 8 \\ 10 & 8 & \\ 10\end{array}$ |
| ; ${ }^{9} 17$ |  |
| , 11.7 | 101   <br> 10 9  |
|  | $\times 11$ |


$r$ under Tariff, Colonial.
peage, Harbour Dues sce.

lianded ar shipped, is not uutijected to any hande
nce.
I.ITTA

The chief exports are rice, shawh from Caylimere, opium from Malwal, lides, ther, cotton, Fonts' woul, earpets, drugs de. I'utchock, ant article largely consumed in China, is a pecaliar export of Shinle. The imports comprise a varicty of articles, but the quantities aro triding: theyeomsist prinelpally of spices, dye stuffs, hardwaro, tin, iron de., broad cloths, English cottons, silks Se. But at present the trade is guite ineonsiderable; and no one could believe, a priori, that the antural emporium of so great a river as the Indins, traversing many extensive eomentries, woulh ('ut so insifuificant a figure in the trading worlil. It may be stid to be well nigh superseded by Kurracheo, which now koasts railway commonication with Hyderalsid and the Indus, and telegraphic comnanieation with Aden.

Nareigntion and Trude of the Indus. - 'Mor navifation of this marniticent river by the tlect of Mexander the direat has conferred on it a classical celebrits not to be matehed hy nny other river of the Bast. lts magnitule, too, is wortly of its fame. It may be mavigated by that bottomed boats as far is Attoek, and its tribntary stream the liaved is novigable to Lahore, both places being alwo 1,000 miles from the sen. 1hat, unfortmately, its narigation is extremely difhentt, and it may be dombed whether it will ever realise any eonsiderable portion of the nivantages which have of late years been antieipated from its being opened. The months of the river are ill-defined, shallow, and infested with mowable sand-banks, while the violenee of the bore, or tide, makes their entrance at all times a matter of ditliculty for vessels of a suall draught of water suitable totheir navigation, and during the perion of the western monsoon they are all but impracticable. Whatever other changes may have taken place in the river, the tides at its month would seem to have been noarly the same in antiquity as at present l'heir violence created the grentest narm in the ilect of Alexander; and oecasianed, indeed, the loss of several vessels. (Arrian, lib. vi, c. 19.) J'lis, no doubt, is the reason that for eonturies past the navigation from and to the sen through the delta of the ludus has been almost wholly abandoned; and that all products brouglat down the river and destined for exportation by sea are conveyed from Titta overland to Kurrachee, a seaport a little to the north of the most northerly mouth of the river, about tio miles in a direet line from latta; and that all those coming from parts begond sea and destined for comintries on the Inlus are conveyel from Kurrachee to Tatta ly the same roate, or hy the railway to Ingderabad already relerral to.

Liven after it has been enteral, the mavigation of the ludus is pecoliarly difficult, partly from the strenigh of the eurrent daring the period of the innudation, and partly from shatlows, and the sulden and constant slifting of the elannel: what. Was a navifable passare one day is not unfrequently quite unnavigable a day or two after. The dumelers, or native eraft, by which the river is navigatcel, though of very small burden, frequently get aground.
If the Jnilus shonld ever become a considerable conmereial highway, it will, most probably, be brought about lay the intervention of suitable steamers; and it seems to be the opinion of the best julares, that, provided the steamers employed be that bottomed, and do not draw more than 28 or :0 inches water, they might, with proper preenatioms, be navigated from the sca for nearly 1,000 miles inland. Hut exelusive of the physical obstacles $t 0$ the mavigation of the river, the baekf wal state of the comutry through which it flows,
and the peserly and barharism of the inhablant w,
 importatore as a romberdal highway. 'I'loe itabahitants aloms its banks hase litilo taste fir

 fior them. Nor dombs, whould regular geveetmonit, indastry, and rivilisation ben introdured inta the
 the rase might he very difierent, mad the trake of the Indin might herome of very consiflerable intprotanor, But this, it it be ever atleeted, mant repluire a langthemed periond to lorime it alabat: ma that those who lowk lor tas material addition luoing varedily made to our irale, or t" that of Intiat, hy the "ן,

 the Comprophiast Didenary, ant the antharitios
 an simde; and esperially the memoir in the af.
 antion ut the lachus.)

Ilr. finist, the very well-informed editur of the /a,mhey Diunes, in his work on the liritish experlition into Allghanistan, made lhe followiog aborerations of the trade of the Indas:-

- The ghewiog dosariplions of llarmes appear to have given a very exhgerated iblen of the value of tha intermal tratice of the rembintes levenad the ladus. It was torgotern that where there wate to imhastre, the mandiadmes or mineral wealih, to
 romblar little or mothing to give in exchange fir
 purdy momate mast at all times be rimple and simpularly tew, 'lhe whole of our combtrex


 eroded $1,000,010 /$ anmally, atm has vary ratroly
 Whates this, the luches in reality was newor fosed save by its own dangerous entrances and rhallow depth of water. Lard billeularough late opened the lodens as fir as Mithen Kote; and the Sullej, in combinnation of this, to the Markumba, Where it censes to be mavigable for the smatlent cratt. Yet the gross value of the british goobls eonsmod by the countries adjoinimg does not at prosent ambunt to a quarter ot $1,0100,0001$ storJins. athe wild not in all likelibud be doubled for 10 vairs to come; the expense of matataming
 stations imeluded, excecding but,000\% n-vear: with a less fore it would be unwise to lhink of herping thesestations at all. 'The sreat line of thathic was not alomer but across the holus, by the Dedhi fromier, or parallel to it at a distance of f(1) miles. by Sonmemee and Kidat. The combtries leyomil the Julns, besides. lawe always been "14? to the tree admission of every variety of
 The ehide ohstretion in reaching these is irromodiable ly treaty ; and arises from the altacke of the plantering lribes in the passes, which cannot be restrimed save biv the payment of a black mail or subsid!e:

The delta of the Indus has lithe in common with the della of the Nilo, exerpt its shape. Not a fomerth part of it is coltivated, and its few inhabinats primipally lead a pastoral life. it is woremwn with tamarisks and other widd shruls ; and thonedi intersected by the mumerons monthe of the river, its surfote is dry mad arid, and it is in at great degree destitute of Iresh water. [KITHAMMEI:.]

W'rights amed shousures sume as ut Culintti. Moncy.


small Wrobihha.



'lWA (in onte Chinese dialoet elan, in amother
 IIin, chan: Mahas, (th). 'The lenvers if' the tree or shrub 'Thet riridis, dinu,
 'Tlsall: of Cillss.




 HELA-ABMATHEN OH:
 THE UNITES KiNGmom, THE: loxtiNENT, गHE DNites states vice.
 Thane of Cillina.
Descriptinn of the Phant.-Dhees whre it is rultavatrd.- The tea plant ordinarily grows to the height of from 3 to 6 fied, and has a general resemblane of the myrt le, as the later is sem in congenial sithations in the sonthern comintries of liurope. It is a polyamdrous plant, of the natural oriler Cohumnifera, illit has a white blossom, with vellow stylo and anthers, not unlike thase of a imall dog-rose. The stem is bushy, with namerous branches, and very leafy. Jhe latres are nlternate, on short, thick, channelled fuotatiks, - vorgreen, of a longish elliptic lorm, with a liant, notched puint, and serated exeept at the base, These leaves are the valuable part of the phate. The Cumrllias, particularly the Cemelliet Sasmqua, of the same matual tamily as the wa tree. ame very elosely resembling it, are the ondr plants liable to be contoturded with it bey a matul observer, The leaves of the particular camellia just named are, indeed, often used in some parts of C'luma as a substitute for those of the tea tree.
The effects of tea on the human frame are those of a very midf narootic; and, like those of may other mareotics aken in small quantitios-eren of opinm itself-1 hey are exhilaratiog. The green varicties of the phant possess this quality in a higher degree than the black; aud a stronge: infusion of the former will, in most constitutions, provluce considerable excitement and wakefures. Ot' all narcotics, however, tea is the lea-t promicions; if, indecd, it be so in any degree, which we very much toubt.
The tea shrub may be described as a very harly evergren, growing readily in the open air, frum the equator to the 45 th degree of latitude. For the last 60 years it has been reared in this country, without difficulty, in greenhouses; and thriv-
dinhent eln, in mother Ital. te: lionso telaii: 'The teaves of the Iree inl.
he Tha Inaspo-Tea :s an The letpish T
 rasy's Mosinour-1s-
 wis whell it wis os of.

- Consumplos or, N Fingoms, thl: Costi. That sumbs exe.
rim Tra Planc.-Tra of Cuna.
l'ant.- Pluees wherr it is hant ordinarily grows to 46 fret, and has a gincral rtle, as the latter is sere in the southern countries of nidrous plant, of the natural 1 has a white bowsom, with ers, not unlihe thuss of a tem is bushy, with numerry Jeafy. The haves are hiek, channelled fintotatike, clliptic form, with a hlumt, rrated exeept at the hase rratable part of the phatut.
calual darly the Camelliu Susumcal fomily as the lea tree embling it, are the culy tounled with it loy a carctil of the particular camellia , often used in sume parts itute for those of the tea
ithe human frame are those ic; : mod like those of many in small quantities-even of e cxhilarating. The green pe thes this quality in a wit black; fubi $n$ stronger will, in most constitutims, exeitement rud wakefulues. erer, tea is the leal mimi-
be described as a very hard! cadily in the opren air, trum the degree of latitude. lot as been reared in this coull$y$, in greenhouses; and thriv-
ing plants of it nre to be neen in the garilena of , lava, Simgapore, Malacen, nud l'omang; nll withinf degrees of the equator, The elimate most rongerial to it, howerer, merms to be that betwern
 frime the anecena of ita caltivallom in Chion. For the general purpoase of eommerce, the growth of gomel tea is contined to China; and is there refricted to 5 provinces, or rather parts of prosinces, viz. Jokien and Canton ; bnt morn parti-
 Kiamg wi, and thorkis.1ge, hat phetly the first of these, tir grem. The teadistrides all his hetwern the latitules just memioned, nut the Ilbth and leend degrees of liant lomgitule. However, almos cvery provinue of Chima prowlores more or lise tea, lint genernily of an indiriur quality, nud fir heal cumsmontion only ; or when ot' $n$ smperior pality. like somo of the thes wines of liranoes, losing its davour when exported. The plant is alsa 'vtumively caltivated in Japan, 'Tomquin, nud Cowhin-China; in latita, and in some of the mumainons parts of Ava; tho people of which country use it largely as a klod at pickle preserevel in oil.
Iu 18:0-6 the East India ('momany tried as an expriment the cultivation of ten in the Norihwest Provincers, and mo shecesslilly, that in Inios) 2,50 acres were under cullivation; the chiel produet being twhen. lint it is calengated thas. Iritish halin comprises wellnigh $1,000,0000$ atros suited firs tea culture.
Ihatanically considered, the tea tree is a singres sacies; the areen and hack, with all the thirrs, ties of sarh, laing mere varichies, like the variotins of the grape, produced by dilferenes of alimatr, suil, locality, ago of the crop when laken, and modes of prepuration for the market. Comvilereal as an whject of nrricultural probluce, the to puan bears a close rescmbinace to the vine. In lie hoshamity of Chima it may he said to take the same phace which the vine oreupies in the southen countries of Dimpope. Like the intter, its growth is chietly confined to hilly iracts. not suifellon the growthio corn. The nuils capmble of produeng the finest kinds are within riven alisfoicts, limited, nad partinl. Skill and care, both in hushaniry and preparation, are guite na newessary tu the production of good tea na to lhat of gool wine.
The liest wine is protheed ouly in partienlar latitudes, as is the best tea; nlthomgh, perhaps, the latter is mot. restrictet to an egual derrece. Ouly the most civilised nations of burope have as ye succeddel in producing gool wines, which is als the case in the linst withtea; for the arricoltural and mannlaturimg skill and industry of the thanese are there unquestionally pre-eminent. These circumstanees deserve to be attended to in atimatiur the dilliculties which most be cucomtered in any attempt to propagate the len plant in cotemial or other porsessions. These difliculties are obvinusly very great; and, perhobs, all bat imsuperalle. Mosit of the attempis litherto made to biace it in forciph conntries were mot, inded, ef a sort from which much was to be expected. Conidetable cffors, however, have been mate by the Duth Government of Java lo prohlare tea on the hifls of that island; and having the assistance of Chinese cultivators from Fiokien, who form a considerable part of the emigranis to Jara, a derree of success has attemiled them beyond what might have been expeeted in so Warm a elimate. Tho Brazilimens have mate sinilar efforts; having also, with the assistance of Chinese labourers, attempted to propagate the tea shrub near Rio de Janeiro; and a small quan-
tity of toleralsy good tea has lean jroduced. Hit owing to the high priee of labour in Americh. and hom quatity regnired in tho culdivion and manpmation ot tea, there in no probahility, ever were the moil maitable to the plant, that its cultare can be proiltably earried on in lhat country.

It may, perhats, atacesed in Assant, where its eulture is now being attempted; for latwor is there comparatively chrap, and the hilly and tablo bands are saidí fo betir a voses resemblanese tor those of the lata distrints of China; lat we are hat manguine in our expertations an to the resnit.

In $18 G 0$ about d,010 aces in Asamm were dovended to the growth of tea, but that produred was said to be not so maitabla for use separately or in its pure state ns for mixing with wher teais of lews atrubilh mal character.

Spereics of Tind- Mhnmer ia which they ure manu/iecturch,-'Jhe blewk tras usunlly fexported ly Europerata from Cunton ara na follows, theginming with the lowewt gulities: Hohon, (imgom, Sumelong, anul lekoe. The yrewn tonsmo'Twankny, Itys. skin, ymur llysoli, Ilywon, lmprial, nid limpowter, Alt the black leas exparted (with the excepition of a part of the bohen, frown in Wopiag, n district of Canton) are grown in lokisn-a hilly, maritime, populoms, and industrions province, bordering to the north-mast on tambon. Owing to the peculitar nature of the (himese laws as to inheritaner, naid probally, nlan, in some degree, to the despotic meninas of the (iovermment, lmmed property is mush suhdivided thronghout the empire; wo that tera is grmeraly grown in fardens or plantations of to great extent. The plant cones to maturity mid yirldes aterop in from 2 to $: 3$ verars. The leaves are picked by the coltivator's family, and immediately conveged to market; where 10 elass of persons who make it lheir particular husiness purchase nal eolleet them in phimbities, and mabubature them in part; fhat is, expose them to the dried under $n$ shed. A second diass of persons, commonly known in the Canton market as 'the lan merchante,' repair to the diseriets where the tan is produced and purehase it in its hatfpropared atate from the first class, nud complete the mannlacture by garbling the diflerent gualities; in which opration, women and ehildren are chiclly employed. A final drying is then friven, and the ter preked in chests, nus tivited, aceordinf to quality, into parcels of from 100 to di00 chests ench. These pareds are stamperl with the mone of the district. grower, or mamaliacturer, exaely as is practised with the wines of Burdeans and liarcunly, the indizo of Bompal, and many other commodities; and, from this eircumatnoce, get the name of chops, the Chinese term for a seal ur signct. Some of the leat-bmels of' the linest blaek tea phants are pieked carly in the spring, before they expand. These rantitute pekoe, or black tea of the lighest quality; somerimes calleal' white-blossm ' len, from there being intermised with it, to give it a higher perfimes, a few blossoms of a species of olive (Oleat frayrans), a mative of China. A sweme crop is taken from the same plants in the begimning of May, a third nbout the middle of dume and a fomrth in Aurust ; which last, eonsisting of largie mul whl leaves, is of very inferior llavour and value. 'The younger the leat, the more highty thavorel, and consepuently the more valuable, is the tea. With some of the compons and souchangs is ocensiounily mixed a lithle pekne, to enlance their flaronr; and hence the distinetion, among the London tea denlers, of these sorts of tea into the ordinary kinds and those of P Pekoc
 parily compasel of the lower grmilent that is，of the finirti erop of the toas of Foklent，left．umsolal tit oler market of t＇mitul ifter the saman of ex． pertation has passed；mind partly of the tems of the dixatrict of Woping lo D＇mitom，The green

 mare partioulaty refirs ：and the dillerent gunti－
 heromatuls fin the phere at the pekes ；liehing rome


 haves，neparatorl irmin the hysoli by a wimbowing madine，constitute hysan skin，sun witich in con－ silerable demand monignt the Amerienis．＇The promese at dryine：the greero teas dilli．ps from that of the blate ；the lirat being ariad in iron puote or vases wer a tire，the oferater continmally atirrimg the leower with his mabol lamad．I＇loe oneration it one of considerable nieder，particulary with the tiner toas．and is purtormed by permenis who， make it their exclusive busimess．

The followithr is Mr．Mall＇s（C＇ultivation and Mancficture s！Tiou）smmary of the proeers of mamifiethre，＂lare the leaves in asievo，ex－ poas then to the sum mad nir，fons mind turn them， as has，then place them fin the shude till they five cint a certhin degree of irmgrane：then rasis them in an irum veswel，woll them with hames or lems，and tinally dry hem were a darsond tire－ and volu will have fair eongen ten，fionr pomals af trond leaves make I th，of ten．Mr．Wiray calouhates llat the ronsumption of ta in China
 aran wer which it is colotivated as armal to


 rhatis mad other capitalions of c＇anton：but，with this exception，are atfugether imberoment of them；mor have the hatter any exelusive privi－ lage of elaim of pre－emption，They are very momerous：those dommeeted with the kreen dea distrids alone being abont 100 in inmbers．The binek tea merehants are less momeroms，bit more wealloys．＇lhe ereater part of the teat bronght of Camton by lame carriage or inland navipation， but chiefly fiey the lirst：it is comvered hy perters： the robis of Chima，in the southern grovinere，not gemerally admitting of whed earriages，and hotasts of burden being very rare．A small gmatity of blank tr：a is bromght by sea，but probably smigr－ shed；fire this ehenper mode of transportation is diseouraped by Government，which it deprives of the transit duties levied on indand carriafor．The lengeth of han carriage fom the principal listricts
bahly nut hess than 700 milles；bor thas of the
 dill miles．The ten marehants lopgin to arrive in
 busy mensont comtimus mitil the bergiming of Mareli；being briakeat in Novemiser，Thermber， mul dnhunry．＇len，for the most part，rondal， previnimy fo the late changes，only bo boughe irom tho Ilong or lierosed merchmins lout mane af these，the loast prospromes int their citrime mbinees，wero nupmertel by wentliy outside mer－

 mal other imarkets vary from year to year with
 damatil，as in miny other artlelong mal in ame ither mather．After thes nemen is over，ur whin
 of Mardh，and bupuden tho rerilar intercomen of tureigners with China，there is a fall in the price of trat，unt buly arising from this circomstames， lant from a certain depremintion in quality，from the nege of the tem；whele，lihe mose mher
 particularly in a hot mal damp elinate．

Forcigen I＇rude in I＇ra，－＇I＇here nevilus to lo

 tively monomplished，mot only by the sumeratgens of the Ameriosas shijes，bit frepuently hy the masters：mal it whe andertaberd by thi malde at the liant Imdia IImese，that there way no differ－ ＇mee hotwero thes gualifies of＇the teas purehasel be the commanders and oflicers of the tompans＇s
 the tindory，aud howe purchased fir the Company ly the lafler，An mumual degree of goot faith， inimend，aynars to be olsacrved，on the part of the Chinuse burchants，wilh resperet to this ran－ monlity：fire it was proved before the silect commilue of the Ilonso of Commons，in lain， that it was the regular practive of the llams werelants to receive back，and retum gool to fir，aly chest or parcel upon which any framb might have beon practised，which sometimes happore in the comverance of the tas from （duton on board whipo．Such restitution hatoc－ masionally heren made even at the distame of 1 of $\because$ years．The Company enjoyed mo adrantam over other jurchasers in the Canton market except that which the largent purchaver has in every market，viza a selection of the teas，on the paycinent．of the same prices as others；buit this alrmatage they enjoyed only as respects the black teas，the Americans being the lapeot purehmarrs of green teas．
Wesubjoin a Thble for calculating the cost of tea．
 Ton of ！（ut，or $1,008 \mathrm{lb}$ ．per Ton．

| farlicul | Fichange 1s．pur thil．Eichange is．Sd．per lhot． |  |  |  |  |  | Eishi，4t．4id．per liol． |  |  |  |  |  | Exih．14．trat par Mo． 1 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | er 1. | ler |  | I＇er ibs． | Pit | Ton | l＇ar 1．b． | l＇er＇1 |  | f＇er Lbs． | l＇er | Ion | Jer l．b． |  |  |
| ${ }_{1}$ miats | ${ }_{10}^{d i}$ |  |  | $110 \cdot 6$ |  |  | $110 \cdot 5.38$ | 4 ${ }_{\text {A }}$ |  | $1{ }^{\text {AV．0．}}$ | $\stackrel{8}{4}$ |  | $11 \stackrel{4}{18}$ |  |  |
| S1494， | $\begin{aligned} & 111 \\ & 114 \end{aligned}$ | 420 |  | ${ }_{1}^{10} 10.685$ | 4112 | 17 l | $10 \cdot 5.3$ $11 \cdot 3 \%$ | $4{ }^{4} 511$ |  | 11．614 | 46 <br> 48 <br> 48 <br> 1 |  | $11 \times 20$ | 47 |  |
| 2 | $\begin{aligned} & 114 \\ & 111 \end{aligned}$ | $\begin{array}{ll}11 & \\ 415\end{array}$ | ！ |  | 4617 | 17 | $11 \cdot 8.3$ 12.916 | 87 8.15 |  | 11．5191 | 4．1． |  | $311 \cdot 815$ | 49 31 | 3 |
| 2 | 111 | 44 8 | 1 | 12．211 | 31 f | 6 is | 12 | 62 6 |  | $12 \cdot 694$ | 5.3 |  | 12930 | t 4 |  |
| $\because$ |  | （3） 5 | ＂ | 12\％ 511 | 3311 | 10 | 1.151417 | \＄112 | 1 | 13.250 | S．3 1.3 |  | 11．301 | ini |  |
| $\because \cdots$ | $1 \times 1$ | as 10 | 11 | $13 \cdot 251$ | 台 4. | is 71 | 13.511 | ${ }_{591} 17$ | ${ }_{6}^{6}$ | 1N：022 | 5719 |  | 1.4063 |  |  |
| ＂ | $1: 1$ | 去119 | 11 | 13．612 |  | （1） 3 | $11 \cdot 643$ $11.62 ;$ | ${ }^{69}$ is |  | $11 \cdot 3.31$ 1,464 | 60 60 |  | 1.12 | 8 |  |
| $\because$ | 11 | Sid | $\stackrel{ }{\prime \prime}$ | 1sind | fit ！ | 9 f | 10．1隹 | 13， 11 | 1 | 19．138 | 61 is |  | 15．3，${ }^{\text {a }}$ | dif |  |
| $\because$ | 11 | till is | 0 | 15．110i | （i） 11 | 1 if | 16 | 6．4 19， | 6 | 16．014 | 67 |  | 16．313 | fis |  |
| （1） | 3 | （i） 11 | 11 |  | 6itis | 4 ！ | 119 2011 | （ix 3 |  | 10．6．tiz | （i9） 11 |  | 16．873 | \％10 |  |
| $\because$ | （5） | （is） 2 | 11 | $16.16 \%$ | fil 3 | 311 | 16．291 | 50 |  | 17：114 | 7117 |  | 17－1．44 | 3.3 |  |
| I | 16 | is 1 | ${ }^{1}$ | 129010 | $7{ }^{*}$ | ＊ | 17．3．3 | 79 |  |  | ${ }^{4} 10$ |  | ${ }^{18-1146)}$ |  |  |
| 3.3 | 16 | $0{ }^{1}$ | 11 | $17 \times 3,5$ |  | $7{ }^{2}$ | $1747 \%$ 14.118 |  |  |  |  |  |  |  |  |
| 31 |  | ${ }_{3}^{1}$ | 11 |  | $\begin{array}{cc}78 \\ 7 \\ 7 & 17\end{array}$ | 7 108 | 14.118 18.9 | $\begin{array}{lll}77 & 7 \\ 79\end{array}$ |  | 18.730 19.328 | 7416 <br> 81 <br> 18 |  | $19 \cdot 12.9$ 19688 | 811 | 9 |
| $7 \%$ 76 76 | 17 |  | 0 | 14．291 | in Bi） ci | ${ }_{6}^{1} 101$ | 14.5 19.56 | 7！ 14 | 6 0 | 19.32 .3 19.475 | 41 <br> 4 <br> 4 |  | 19.688 20.208 | 83 | ） |
| $\therefore$ | （ ${ }^{1}$ | 711 | 0 | 19 －ifa | 4211 | 1 is | 20゙い11 | K1 3 | ${ }^{\text {f }}$ | 911.127 | ${ }_{4} 815$ |  | $20 \cdot 1.5$ | 5i |  |
| －4 | 19 | 7916 | 11 | $215 \cdot 157$ | Nt 1.5 | 59 |  | 96 ！ |  | 20.90 |  |  | 21．37\％ | ${ }_{8}^{88}$ |  |
| $\because$ | 131 | 3115 | ${ }^{1}$ | $20 \cdot 1!$ | si ！ | ！is | $21 \cdot 124$ | sit |  | $21 \cdot 5,31$ | 40 |  | 21－9x8 |  |  |
| 11） | \＆ | $\checkmark 11$ | 1 | $21 \times 2 \%$ | s！${ }^{\text {S }}$ | ， 11 | 2t＊＊itit | 91 |  | $2 \leq-110.3$ |  |  | $22 \cdot 310$ |  |  |


growit to cintion is prio milles; mur that of the Alnons fobinity, leas tlian chatits luging forrivo in lla of Thetolar, Ind tha until the bugimiluk of in Noverimlar, 1 herember, ir the mont jurt, rondi,
 wed merchuntin: but moniw anderoms in lheir cirima1 by wenlthy ontxike ince d; sind thas the tralde wat 'lue priaers in the l'antun y froms yent ta pear will i hand, num tho oxternat cher notlelen, malil in any no nensom is ovar, "f whall nets in, tluriug the montly the regaliar iltsereomese of there is a fall in the price if froms this circoumatamer, prewintion in qualits, from which like moni wher is injural by keppith, nd damp chmate.
I'ra.-l'hore neroms to los melacion and jurilnar ait - is luill satioly nul aftaco wot only by the siljurararins pos, but ireguently by the aserefainal by the miles at a, that there was uo diflir. lition of tho toas parchased hul alliecern of the C'ompmay's mintance from the olliores of - purchased for tho Company musmal drgree of frome fath, absarved, on the part of the will respiect to ghis tulliproved hefore the sedet
 rular practice of the thon: o buck, and return foont toit areel unon which any fram prnetised, whinh sametime veyance of tho teas from ip. Siteh restitution havocceven at the distance of In pany enjoyed no advantate the lit the Cintom market selection of the teas, on the no prices ns others; and his ijoyed only ans respects the mericans being the lirget teas.
e for calculatinge the cost of tea.
4h the Rute per l'ound tumd



 bob bel. pur prinilid.


"he late rive and prosent magnitule of the
 nary phomomena in the history of emomerome Tai was wholly unknown to ihe tireeles anil
 the cuid of the ltill or the heriming of the täth
 purtuit small qunntition hy the Duteln; lut was fardly humen in lhis comitivy till after blinh. In
 humes; fir, in an Aet passed in that year, a duty-
 flarlut, and toa," mate athl molle. Ihat it is dumblants cridelet that it was then moly bor giming to lne intronherel. 'Thu following entry

 a cmp of tea (a ('han driak), of which I hand nowe drumk before:' In llibil, the linst. India Cumpary tworthe : lh. : a\%, of ten as a present fior his Injomt!. In litiz, they iswimel the lirat weder to import tan, direttel to their agent nt
 put ibe of the heat tea he could fret ( Milhura's

 Minsmplition seroms to have gente on recalarly thuyg slowly incraming. In lise!, instean it charging a dixy un bla doroction made from the fars, an excise duly of bis. per llb, was land ont the toa itself. 'The ingurtation of tra from lalo dumwards is exhibited int the following Tables.
The seduelions mode in the duties in tea in 1, hi and lisk, strikingly esimet the sumpriar proluctivenes of low datios on artioldes in getoral domant, amil are, in llat respere, esprevilly worth astantion. I'revionsly to 17.15 , teta was inarped
 and with a custmins duty al 1.1 prer cent. ail valuem: mat it apmars that at an average of the



 lea was then comparafively little diffised, it was well kawn that its chandestine importation was cetcusisely cartial om, mad that its real was much preater than its apparent ronsmuption. To check this illeritimate tratlie, whinh emrichad the sangeger at the expense of the revemue amb of the fair trater, a hill was carried through Parlia-
 time of a Committre of the IIomse of Commons, lis which the excise duty on lea was reduced frum
 as the price of the tens sold at the Companres sales was then about lis, per llo., the ens per cent. was, in fart, equivalont to Is. per lh., making the new excise daty ts. per 16 ., being a redaction of in per tent, 'This measume, which han in a great degree the merit of originality, was eminenty
aneresaful, In Hie year fimmellately ufter tho rednetion of then dits, the entries of tent fir
 Invilis 11 sarly throen timen as much at thoy had ammonted tit in the bavt your of the high ditisen; tusi tho inerease lat the weroblel and thirl yrare of the llesty eystall way nlwt mote atrikinge Thit for
 ith the chareat juint uf viow, wo sulgoin-

 "und C'unfome Inaties thermum during rawh of the f̈̈e livarn prercilin!!, und subnerpurnt t" Midsummer, 17 lis, when the lixcione Ituty un Tru






Lhut notwithatatimg lhit manswarale demon-
 duties, huy wore again inereased in 1750); and durfater), betwern that eprelt arml lisk, from
 Which fidlowerd this inominater extomsion of the daties are oghally butructive with those which

 furtions and as the we of tea had becomos comparatively femmanamplang was sariod to an intinitely greater extent than at any former prind. In the nite yent premeding 17 sio, alowe
 to burope in shipes la lomping lo the comtine me, and
 lame. Ant from the best information attaimabla, it apperars that the real comsumptions was almost exatly the reverse of tha ghantitions ingurted; and liat while the eamsmation of the Iritish
 yars, the comsimption of the Continent dial nut
 corrent, it follows than an ammal sulplo of almit, cight million It . must hatse been rhandestincly
 reverne laws. lint thia was mot the worst efliect of the high thaties; fir many of the velail dealers who purelaseal tea at the lisist. India Company's sales, lning in a ferat metsure leaten ont of the marhet, were, that they might put themselves in a condition tos stand the eompetition of the momer frers, tompteil to mbluerate thoir teas ly mixing them willi sloe amil ash lenves. (Macjhersm's 'Commerere with India,' p. 208; Millourn's 'Ori'mbil' (bummere', vol. ii. p. 5.ll.) At length, in İRl, ministers, having in vain tried every oflur resonree fior the suppression of smageliag, resolved to follow the preedent of $1 \overline{1} \cdot \mathrm{it}$, and reduecel the duty on tea from 119 to 121 prer cent. this mensure was as suceessful an the former: smurpliner and the practice of aduleration were immerliately pint an end to. The following statement shows that the quantity al tea sohl by 1 T'
the East India Company was about trubled in the n-year. And, on their being reduced to $12 \frac{1}{2}$ per comrse of the taw years immediately following ecent, an mhlitional duty, estimated to produce the reduction.

Quantity of Tea soll at the Liast India Company's Sules.
 bo(0,00)\%, was laid on witulows, as a commutution tax, to compensate for the delieieney whi. It it was suppesel wouli thke place in the resente lerived from tea. But, instead of the aluties falling off in the proportion of 119 to $12 \frac{1}{2}$, or from $700,000 /$ to 73,0001 , they only tell ofi, in consequence of the inereased consmmption, in the proportion of about two to one, or from 700,000 , to 310,0001 . The Commutation Aet has lenen alimars regrarided as ono of the most suceessfal tinancial

 Cluant y of rea imported into the Contiment from 112. declined with still greater rapidity, and, in 1791, was reduced to only, $2,391,500 \mathrm{lb}$, (lbid. p. ©19.) heen ragremted by Mr. Liehardson, accomentantaremeral of the East India Company; but the popularity of the measure was so great as to induce several other incividuals to clam this - The ) huties on tea, at an averapo of the arour, and even to oceasion some hot disputes yeace precedins 1784 , produced about $700,000 \%$, point of fuet, however, the merit of originally

Aceount of the Quantity of Twa retaincel for IFume Comsumption in Greut Brituin from 1789 to 1N8.2.
 fiying the Nett I'roduce of the Duties in euch Country, und the Rutes of Duty.


TVA


 ther Ihetics．

| Yiars | $\begin{aligned} & \text { Ountitirs } \\ & \text { Than } \end{aligned}$ | $\begin{aligned} & \text { Quantitiod } \\ & \text { reespuried } \end{aligned}$ |  Cомstanptas |  | Hiter of Dity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1430 | $32,0,54_{1}, 532$ | $\operatorname{ll}_{2, i, 1,10}$ | $31,4249,420$ | $3,111,102$ | J if whl intirs under $2 d$. pur the，yat．per cent．and vatorem． <br>  |
| 15,31 | 33，610，409 | 1，181，9175 | 31，94， 8.51 | 5，54，361 |  |
| cis | \｛ $11,3,0,5,5]$ | 2． $1.50,02{ }^{2}$ | ainm | 3，4， 4,167 |  |
| 19\％ | \％ 4 a， | ， | 30，4， $3,2,216$ | 3， 3 2， $3 \times 19$ | （1） |
| 14．3 | Sh，23， | －， 3146 | 3， | 5， |  |
| 181 | － 0 ¢0， | 4， $34.3,383$ | 32， 3 \％ |  | 36．pre cenit．adilitional frominay is |
| 1911 | 边 | $3,740,147$ |  |  | $\because$ |
| 14．4． | 4tioucinz | 4，${ }_{\text {a }}$ |  | 4． $11.74,612$ | $\because \quad \because$ |
| 2， $1 \times 15$ | 53, | 4， |  |  | ．． |
| 1516 | $54.76 \% 142$ | 3，5，3，664 | 16， 110311 | 5，142，（1，${ }^{\text {a }}$ | ．． |
|  | 4\％，7i 4,785 |  | （4，314， | 5， | ．． |
| （19．1 | 53，459， | 4， $4,16,1617$ | $50,121,56$ | 5.171 .142 | － |
| 15900 | \％ | S，${ }^{5}$ |  | ${ }^{5}$ |  |
| （1030 | （6f． 3 （t）， | $6,131,+43$ | 3i－2， |  | 29．wre lib．plus per cent． |
| 1vis |  | 4，4，3，0，09 | ${ }_{5}^{56,831,6187}$ | S， | $1{ }^{10}$ |
| ${ }_{10}^{180}$ | － |  |  | 为， |  |
| 18， |  | S， 81.764 |  |  | 1a．und \＃， |
| 1以\％ | － 616 | 最， | － $73,217,4 \times 3$ | S， | come |
| Ms， | 139，610，013 | 30，215，154 | 112， 124.8087 | 2，5m， 148 | cid． |
| 19：3 | 124，024， 724 | 31，131，112 | $111.0540,387$ | 2.376 .524 |  |

sugenting the plan neither belomged to Mr． hichardson，nor to any of those who then claimed it：and such of our realers as will take the towhle to look into a pamphlet aseribed to Sir Hathew Decker（Srribus Consinlerutions on the pasent High Duties），puthished in 17．13，will find that the monsure adopen in 1784 had been stramonly recommended to years before．
but the principle of the Commutation Aet，and the striking advantage that had resulted from the relurinu of the cluty，were soon lost sight of． In lin the duty was increased to 2.5 per eent．； and，after sucensive augmentations in 1797． 1705 ， Feve，and $180 \%$ ，it was raised in 1806, to 96 per ent．ad valorm，at which it contimed till 181！！， when it was raixed to 100 per cent．on all teas that bruyht atove ess per lb．at the Company＇s sales． The preeding and following statements siow the proyres of the consumption of tea in this eumry from a very remote epoel down to the freent time：－
th doconnt shoring the Qumatity of Tia an－ unlly ${ }^{\text {ronsumerl }}$ in the Uniterl Kingtlom，with the areraye Rate and aggrigate Amonat of luty ralicted thercon；and the average Price， vadusive and inelusire of the Duty．

| Tens | $\begin{aligned} & \text { Terrov- } \\ & \text { syndin } \\ & \text { linterd } \\ & \text { limgtom } \end{aligned}$ | Amannt | $\begin{gathered} \text { A reripe } \\ \text { jeuty } \\ \text { per } i b . \end{gathered}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | ili． | 570 | 8．did | $\stackrel{3}{1}$ |  |
|  | 5 | 3，362， 6176 | $\begin{array}{ll}2 \\ 2 & 1 \\ 2 & 1\end{array}$ | 1 | 3 y |
| 190 | 52， $2 \times 2,4$ | 3，43054 | 12 |  |  |
| W1： | 3 Sbat |  | 哭㫛 | ${ }^{2}$ |  |
| 10\％ | 3n， | 4， | \％ 2 | ${ }^{2} 1$ | 4 3 |
| 191 | 11．56， | 4，521， 11.3 | 28 |  |  |
| wis | 41， |  | \％ | $1 \begin{array}{ll}1 \\ 1 \\ 1\end{array}$ |  |
| 917 | 16，${ }^{\text {a }}$ |  |  |  | \％ |
| 114 | 408 | 5，329．9122 | $\begin{array}{lll}2 & 2 \\ 2 & 2 \\ 4\end{array}$ |  | 3 ${ }^{3}$ |
| \％ | 31，17：-102 | ， | \％ | 151 | 3 |
|  | 5， 51.75151 | 号， | ${ }^{2} 8$ |  | 54 |
| 10.3 | S， 31.45 | \％orsind | 111 |  | 5 |
| ， | A， 10.014 | 4， 510 | 16 18 8 | 15 | 211 |
| K．＂ | 6 | 5，50，${ }^{\text {a }}$ | 1 ！ |  | 219 |
| \％ | 90， 31.85 | 5，061，${ }^{\text {a }}$ 18 |  |  |  |
|  |  |  |  | 1  <br> 1 6 <br> 15  | 2214 |
| － | 11100085 | 4，76， 9 ， | ${ }_{11} 1$ |  | 11 ？ |


N．B．－We have made up this statement from whe accounts given in Milburn＇s Oriental Commerce （vol．ii． p ；i3．1），and Postlethwayt＇s Dictionary， art．＇Tea．＇
Account of the Qummity＂f Tea entered for Home Consumption in the Unitcd Kingrom，the Nets Amomnt if Inty received thereon，and the Rates of Duty，from 1848 to 1867.

＇He following table，compiled by the Inspector－ Genoral of imports and lixports，fets the most ma－ torial ciremmstances eomuceted with the tea trade II a veryelear and striking point of view．The Inspector－tiencral has added to his table two more ahmms，one alowing the amual popmation of the lonited Kingelom，and the othor the anmual nerage eomsumption of tea by each individual of that pumbation．lint we have omitted these．in－ armuch at the aserage in question was wholly 4 т2

TE. 1
fullacions. 'The consmmption ol'teaporimdividual the consmmption either in linglamd or Sotland, in (ireat Britain was formerly a goorl deal more 'This, imded, is very elearly exhibited in the table than dombe its consumption per individual in showing the comparative cousumption of that at Irelimi. And thongh the proportiomal eonsump- ditierent eprelis in each of the three kingems. tion in the latter has increased since the ocenrence The quantity for lamand in 1860 is that wivenon of the protatoe rot in I816, it is still much below an average of ' 3 years to 1865, in 'Thom's Sirta,
Acrount of the Tivtal and Avrate Comsumption of Trit by lituch Indiridual of the Population




 mToNs eniere wheli it was hes.bAnolition of.
From its origin down to 1831 , the trade in tea was monopolised by the biast India Company. Considerable quantities of tea were, indeed, at dillerent times. smagged into the country; but no British suljeget, not athorised by the Company, was ever allowed openly to import tea. Reing thus the omly sellors, they had it in their power, ly limitiner the quantity brought to marktt. to raise its price above its natural clevation, and to realise immense protits at the expense if the publice They might, mo doult, have declined avibling themselves of this power ; but no such fombearance could be rationally expeeted from the tompany, or from any other body of men. All inliviluals ani associations exert themselves to obtain the highest price for whatever they have to sell: and it is found that those who are protected from the competition of others, or who have obtaned a monopoly of aug market, invariahly raise the juice of their commotities to a very high pitch. The East India Company riel this, probahly, to a leas extent than most oiher bodies that have enjuyed such exclusive privileges. Still, howerer, it is an undonited fact, that the teas sold by them during the last years of the monopoly cost the people of liritain upwards of $1,500,000 /$ a-senr more than they woutu have cost had they been sold at the price at which teas of equad quality were sold, under a system: of free eompetition, in New York, llamburg, Amsterdam de. (lor proofs of this statement, see lst edition of this Dietionary, 1. 1031.)

The Lergishature endeavoured at different porionds, to prevent the Company from abusine their monnpoly, in enacting regulations as to the sale of tra; and though no longer of any practical importance. it may be worth while brietly to motice some of the more important, and the neans by whidhthey were defeated In 17.15 , for example, when the great deduction was made from the amount of the tea duties, it was enacted, by a statute pased in that year (18 cheo. 11. e, 26i), in order to prevent the Company from depriving the publie ot the benetit ol this reduction, that in case the tea imported by the liast India Compuny shatl not always be sullicient to answer the consumption thereof in Great Sritain, and to kerp the price of tea in this comutry upon an rqnality with the price thereof in the acigh bouriny Comtincut of simpope, it shall be lawful for the said Company, and their successors, to import into Great ľ̆ritain such quantities of tea as they shall think uecessary from any part of Europe: and by another seetion of the same statute, it is enacted, that if the East India Company slatl, at any time, nerlect to keep the british market supplied with a sufficient
quantity of tra at resssonable priecs, it shall be lawtul for the hords of the Treasury to grunt liernses to any other person or persons, linly palitic or corporato. to import tea into (ireat llritain from any jort of Eirrope.
llad this statme been enforeat, it worth ecrtainly have restrained the demandy of the Company within reasonable limits; but it was very somblorgoten, and the Company emtimed, as bufore, to sell their teas at inf mormeng alluance as comparial with their prices in IIamhires and Insterdam.
The same well-fimuded jonlumsy, whidh dirtated the Set of 10.l., was again displayed in the prom eecdings at the reduction of tho duties in lise. It was then cmacted (2I lico. ITh, e. $3 \times$, that the liast India (ompany shouh make 4 -allos of tha every year as near as conveniently may be at equal distances of time from cach nother, and should put up at such sales such guantities of tat as may be julted sullicient to supply the demmp; and at each sale the fea to be put up shall be ohd withont reserve to the highest bidders, promided an alyames of ${ }^{\prime} d$. per pomad he bid upon the prive at which the ane is put un. liy anoller din it was enartwo, that it shond not be law fal furdme last India (ompany - to put up their tas fin ald at aly price whicls shall, upon the whate of the teas so put up at any sale, exceed the prime cost therenf, with the freight and charges uf import ation, torether with lawful intereat from the lime of arrival of such toras in (ileat Britain, and th common promian of insurance as a fommensathen for the sea risk incurred theren.' 'The 'inmany were further ordered to keep a stock, enflal to id least 1 yar's consumption, accordiner to the sald of the jreceding vear, always Leforchand. In they were bumd to lity before the lated of the Treasury eopies of the areounts aud estimates ment which their orders for importation, priess lur ale an! quantitics put up to sale. slomat be armand.
The objecet of these conditions is obvions. They were intended to secure a plentiful supply of tea to the publie, and to prevent its being suld at at oppressive inctease of price. Bat monoprly and low prices are altogether incompatible. The ent ritions now reterred to were, ats to all praticable murposes at least, ifuite inomprative.
I. In the tirst plaee, the Compmy made varims additions to the prime cost, and conserfunth th the putting-up, price of their tea, which they bught not to have made, but which the lerdow the Treasury, had they been so elisposem, cutit hardly disallow. 'they always, for example charged the cost of the factory in Canmen to tho price of tea. This estahlishment emsisted about 20 persons, and cost at an averace about $100,1001 /$ a-year. We do not presune to say that it was altorether useless, Indoubtedy, havelem, it might hatse been conducted at half the expere.

F Fingland or Scotland. ly exlibited in the table e consumption of tea at of the three kingloths. in 186 is that givernot 865, in 'llum's Piredory.
iridut of the Popmbtion inc and Jrelumel in labili.
ind
onsumpition hy eash Indndual $-$ $\left.\begin{array}{r}\left.\begin{array}{rr}114 . & 02 . \\ 2 & 8 \\ 2 & 3 \\ 1 & 3 \\ \hline 2 & 1\end{array}\right\}\end{array}\right\}$
tsonuble prices, it whall be of the Treasury to grent rson or persons, inily politic tea into (ireat Britain from
heen enfurced, it wondi nined the diematids it the souable limits: lout it was ind the C'momany contimed, cheir teas at an anurmens with their prices in Hum-
ided jonlousy, which lietatel again displuyed in the pro etion of the duties in lix. (:3) (ieo, Ill, c. $3 x$ ), that the y should make 4 sults of that as conveniently thay be ar time from each uther, ind h sales surn' puantites of tha $^{2}$ flicient to suply the demmas: tea to tre put up shall tee wh the highest bilders. $1^{\text {to mided }}$ er foumd he bid upon the price is jont un. liy antlur diu it shouli not he lawtul fie the - to put up their tat for ale Fhall. upen the whote of the y sale, exceed the prims tow reight and charges of imput. hawfin interest frum he tim thas in dreat lbritain, on! the of insuratuce as a eompenation urrel thereon.' The ('umpany al to kecep a stock, cuptal to it umption, necording to the silfe ear, always li,foreland. It hay before the lowds of the the acounts and estimates uphat for importation, micre for whe up to sale, shoukt be gromed are conditions is obver, of ted achure a pentilul suphly at an (is prevent its bemgs sold cether incompatible. The cumed to were, as to all prationde quite inoprotive.
lace, the Company made varion prime cost, and consenmity frice of their tea, which the e made, but which the lerds a they been so disposen, cun They always, fur esamp of the factory in Cantonto This establishment comsisted , and cost at an average nentas Wo do not presune to suyn en conducted at half the expense.

It is a fact, that the whole American business at liast India affairs, showed, that the advance on Gaton has been transacten by the eaptains of the thips; and every one knows that they hase had fewer disturbances with the matives than the Engtish.
2. In the seconl place, it was established by the evitcuce taken betore the select committee of 1sion, that the Company had for many years thrown the whole loses arising from their ontward invertment 1 pon tea, by estimating the value of the tad, or Chinese money in which the acounts arr hent, at the priee which it cost for the purpose of being rested in tea. 'lhis was a complete crafion of the provisions of the statate; bat it was one which it was very ditliente, it not imposwhice, to tefteat.
B. In the third place, the obligation impused on the C'ompany, of keeping a year's supply of tea in their warehouses, contributed both to raise its price, and deteriorate its duality. From a return made to an order of the select committee of the Hunse of Commons in 1830 (First Report, Apl. p. is), it apuared that the shortest time any tea soht by the Company hat been in store was 1.1 moaths; and that, at an average, all the teas sold during the 3 years ending with 1820 had been 17 months in store. But, according to the evidence of the most respectable Americall witnesses, the hask and coarser kinds of tea are depreciated at den-t o per cent. by being kept a twelvemonth, and are, indeed, hardly saleable after the arrival of freh teas from Chima, Adding, therefore, warelowse rent, interest of eapital, and insurance for It months, to the deterioration in point of quality, we may estimate the loss to the public, by this well-ment but most injudicions interternince of the Lerislature, at 15 per cent. upon the price of all the teas sold.
4. In the fourth phace, it is obvious, even snpposing the prime cost of the Company's teas lrad bun bea improperls enhanced, that the regulation dibing them to be soll at an alvance of $1 d$. per Ib, if ollcred, on the phitting-up price, could not be otherwise thin mugatory. llad the trade been open, private merchants would have modersold eich ther, until the price of tea, like that of sugar or coflee, had been reduced to the very lowest print that would yidd the sellers the chstomary rate of profit. Bit the Company was in an enttirely ditlerent situation. Being the only sellers, thev iuvariably understocked the market. Instead ebibinging turward such quantities of tea as might have oceasioned its sale at a small adrance upon the used price, they adjusted the supply so that the price was raised to a much higher elevation. Sus, it will be obsersed, that all that this system of mamgement put into the Company's colfers cunsisted of ertre profit ; for the putting-up price cubraced ewry item that could fairly enter inco he cost of the tea, including both interest on capal and insuratuce, and inchading also, ats we have :en, several items that hat but little to to with it. 'To show the extent to which this son ree of protit was cultivated, we may mentiom, that at the June sale in 1830, the Company put up consou at 1 s . sd. and 2 s .1 d . per lb . ; the lowest sort, on that put up at 1 s . 8 d ., being sold parl! $\mathrm{y}^{\text {at }} 2 \mathrm{~s} .1 \frac{1}{2} d$., beintran advance of fuenty-two and a hialf per cent., and party at 2s. ód, being an advance of fonsxfire per cell. ; while the highest sort, or that
 athadrace of four per cent., and partly at 3 s .7 d. ., biug an adyance of no less than smevery-Two fer cont, above the uiset price; that is, ubove a price calculated to yield ordinary profits. Mr. dills, an inteligent tea merchat, in a paper laid lefire the committee of the Jonse of Lords on
thas sold th the Company's Jume sale in 18:30, above the puttins-uppriec, amonnted to $1: 2,27 \% /$. ss . Id. and as threre are 1 such siles in the year, the total advance must have been about fon,(1001/; and this was eonsiderahly moder what it had been a tew years previnasly:

These statembints show generatly how the Company defated the provisims of the let of 178 I , mud, inteed, turned them to its orn advantage. Hlat, as alreaty ohserved, nothiner che combld be expected. It is mugatory to attempe to combine monopoly with low prices and gome qualities. Thry mever have existed, ant it is not possible thes ever shonhl exist, toprether. Nomopoly is the parent of dearness and scarcity ; freedom, of cheapmess and phenty.
Great, however, is was the sacritice entailed on the people of Britain ly the Company's momupoly, it is houbtind whether it yidded any considerable amount of revenue to the Company, biveryone, indeed, must he satislical, on general gromuls, that it was impossible for the Company to make anything like the same protits hy the privileges conceded to them, that would have been made by private individuals eajoying similar advantages. - The spirit of monopolists,' to borrow the just and expressive language of (ibbon, 'is narrow, lazy, and oppressive. Their work is more costly and less productive than that of independent artists; and the new improvements, so eagerly grasped by the competition of freedom, are admitted with slow and sullen reluctance, in those proud corporations above the fear of a rival, and below the confession of an error.' We have no doult that the directors of the liast India Company were disposed to extend its commeree, and to manage it according to the most approved principles, but they were wholly without the means of giving effect to their wishes. They had to operate throvg servants; and is it to be imagined that the employis of such bodies will ever display that watehful attention to their interests, or conduct the husiness entrusted to their eare with the unsparing economy practised by private merchants trading on their owa account, superintending their own concerns, and responsible in their own private fortunes for every error they may commit? The affairs of the Compaly, notwithistanding the eflorts of the dircetors :o introduce activity anl economy, have always been managed according to a system of rontine. Their captains and mercantile arents were, we doubt not, 'atl honourable men; 'but it were an insult to eommon seuse to suppose that they may be compared for a moment with individuais trading on their own account, in the great requisites rí zeal, condteet, and skill.
several genticmen of great knowledge and experiener, who camfully enguired into the state of the Company's atliairs in 1830, expressed their decided conviction that. they made nothing by the tea trade; the inereased price at which they sold the article not being more than sutlicient to balance the immense expenses incident to the monopoly. I'ertaps this statement may be somowhat exargerated, though we incline to think it is mot far finm the mark. Troking, however, the accounts laid by the Company before the committee ou Indian aflitirs, as they stand, it would appear that the profits realised by them during the 3 years ending with $1827-28$ amounted to $2,542,5691$. being at the rate of 817,5231 . a-yenr. ( .4 pen. to Second Rejort of Select Committec of 1830, p. 95.) But we have alrady seen that the exeess of price receivel by the Company for their teas, over the price of similar teas sold at Now York and llamburg, has been above $1,000,000 /$ a-year ; so that,
according to the Company's own showing, llair have been had it been lower. In consegture, monopoly occasioned an absolute loss of tio: $2,17,1$, exclusive of its mischievous influence in lesmening the consumption of tea, and in contining our trale with China to less than a third of what it will probably amomet to mater a system giving froe scope to the entergies of individat enterprisw.

The renewal of a monopoly productive of such resules was, thercfore, wholly ont of the pucesions. There was latrlly, intleed, in 1833 , an individual in the empire ont of the pale of the Company who was not anxions for the opening of the trale to C'lima: and the Aet 3 \& $1 \mathrm{Wm} .1 \mathrm{~V} . \cos 8$ (ante, East leida Combans), abolishing the company's momopoly, and making it lawlal for all indiriduads to import tea, was passed with almost ho oppusition.
IV.--1)umbas 'Tba-Consumbion of Thes
 ante lonten States, bete.
 ad vathrem one of 96 per cent, on all twas sold ander es. a pormet, and of 100 per cent. on all that. were sold at or above 2s, chared on the prices which they brousht at thr: Companys sales. This was, certainly, a high doty; thoigh, as a large amomin of revenue muat be raised, we do not know, had the trade been free, that it eond lave been fiarly objected to on that gromid. bat, mader the inomopoly system, the daty was, in thet, abont $2 t 0$ jer cent. ind vallorem. For, the price of the tan suld by the Commany being forced up to nearly tonble what it woulal hate lowe under a free system. it followed, inasmmeh as the daty varied directly as the price. that it also was doubled when the latter was donded. 'The price of congot in llamburs, for example, varied, during the latter vears of the monopoly, from is. sd . to $\mathrm{Is}, \mathrm{d} / \mathrm{l}$, per I b . ; ind had the Comipany supplied our markets with comsou at the same rate, it wonld have cost us, duty included, nearly $2 s$. d $d$. and 2s. $8 d$. per llb. But instead ot this, the eongous sold by the Company was, at an arerate, a goot ilcal above ess. per lb. ; and the duty being as mueh, it invariably eost from 4 s. to $5 s$. per lb, llence, thought the duty was only 100 per cent. On the Compnny's price, it was really above 200 per cent. on the price of teat in ant open market. The mischief of the monopoly was thus greatly argravated; masmuels as every addition made by it to the cost of the article made an elpal addition to the buty on it.

The all valorem duties ceased on April 22, 1834 ; and, muder the det $3 \& 4 W^{m}$. 1V. e. 101, all tea imported into the United Kingrlon for home consumption was charged with a customs duty as follows :-

Hohea


If we compare these duties with the wholesale prices of teat, they will be seen to have been exceedingly heavy, partiendarly on bohea and congon. Buhea may be sold, exelasive of daty, at or under 10d. or is. per Ib.; so that the tixed duty was equivalent to an al valuren laty of $: 50$ per cent. or upwards. lhat to impose such a duty on an article fitted to enter largely into the consamption of the lower classes, seems to we in the last degree oppresaive. It must have gone far to neuralise the bunetiesal eflects that would otherwise have resulted from the abolition of the monopoly; and by condining the consumption of the article within comparatively narrow bomeds, have rendered the duty less productive than it would
however, of the complaints of the impurters of teat that the diseriminatine duties were not, and could not be, fitirly assessed, and that teas wore sometimes chareged at "es. erl. or 3s. per lb. that shavil mily have paid 1 s . tid., the dhty was reporated in

 16. (increased in 1810 to 2 s . .2 $i, l$.) shondf be
 consumptiom in the Juited Kimrdon.

Consillering the very indeat differmees in the gualities and the prices of the dillerent varintios of tea, it wonld have hean extremely theirable. hat it been practicable, that the duty on tham shondd have been assessed on an atl valown principle. But after the Company's sales hat ecased, and the trade had been fully opened, this was no lomger possible; and it was fouml in the case of tea, as of winc, sugar, and similar articho. that it was hetter to adopet an mafair primépe which eobld be fairly earriel wht, than to mhit a principle whiclo, thonish thir in the abotrat, wa stre in its pratical operation to lead to every

We remanked on this sabjeet in our 'Treatise on 'haxation, as follows:-
' llut while we almit that the necessity of the ease, or the impossibility of fairly asseximp diseriminating duties on the different varietics of tom, tully justitied their repeal, and the imposition of a single duty in their stew, we contend that nothing can justify the masuitude of this simpla duty, which $i$, beromel all fuction, the nowt obecetionable in our tarinl.

- It has, we arre aware, been allaged that the duty of ess, $\because$, $/$ l. pro lh, is not ratly so band as it looks ; that it is a mintake to supperse that the lower classes use inforior teas, and that the reduction of the duty on them would not materially increase their consumption. But Wane whomake such statements cither know nothing of the facts of the case, or reckon on the ignorme of then to whom they address thenselver. It aplears from the oflieial returns, that in $1 \times 16-17$ and $1 \times 10-1 x$ the price of boheat sold at the Company's saldes was about is. Gd.a so that it mast have eost the buyer, cluty included. albout os. per lh.; and in thase years the consunption anombed, at an avatige to $1,781,000 \mathrm{lb}$. a-vear. But in $1 \times: 00-31$ and 1831-3:- when the price of boliea to the byyer was redueed to 3 s . $4 d$. per lb . ( 1 s .8 d . price and Is. id. duty), the consmmption rose to $t i, 2 \times 5,0,0011$. : showing, heyond all dispute, that a thall of $1 s, 8 d$. in the price of bohea liad more tham trebled its consmuption. And though st. Augastine has said that " nulhum membacimen tam impulensest ut teste careat," we hardly think that amyone will venture to affim, in tice tecth of an expriment like this, that bohea would not be nsed, if it cruld be procured by the poorer classes; or that the demand for it would not he very greatly extended hy it reluction of $1 s$. w $l$. or $1 s, 3 d$. per db . in its price.
-Taking the averase price of bohea in bond in Lomblon it $s d ., 10 d$., or $l s$. per lb., a duty of the same amount would, of course. be equal to an al valorem thaty ot 100 per cent., which is certainly high for a dity on a neeessary consumed by the poor. But even with a duty of 1 s . per lb. bohea might be retailed at $2 s$. or "̈s. 2 l l. per ll .; and at this price there cam be no mamer of donbt that the consumption would amomet 0 o 10 or $!2,000,000$ ar pomuds. The reduction of the dety on congou to 1s. per lb, would, alsa, be of he ermatest ins-
 prowerful stimults it wo:d: wive to comsurephe

Lower．In consegta nee， its of the impurterst of tut laties were not，and rould mid that teas wore some－ or is．por ll）．that showl the dinty was reposped in Aet is 心́ Wrm．IN，coiz。 equal dert of $e_{s, ~} 1 d$ ，per to es．wi，f．）shomld be 3：\％，an all teas chtered for ted Kingrom．
Eryat dillerencers in the ，of the diflerent tavintios been extremply desirallde， ，that the duty out them essed on an ad rallurtan the Company＇s sates hat ad been fully openet，this $\therefore$ and it was fownel in the susar，aud similar articleq， adryt an waltair principl？ carricol out，than to abyin a ha fair in the athetrat，wa uperation to leall to cerey
is \＆itject in our＇Tratice on
it that the necessity of the lity of fiarly assering dis－ the different varictiesof tea． rpeal，and the impositivan if cir steal，we content that he marnitude of this sing mid ill＇questiuth，thie must
arill：
warro，been alloged that the b，is not really so ladid a it nitake to suppuse that the erior teas，and that the re－ in them would not materially aptien．liut thase who make or know nothing of tle tacto on the ignorimes of thuse to hemselves．It atpear frona hat in $1 \times 16$－ 17 aud $1 \times 17-18$ hit at the Complany＇s sudes was it must have cost the buyer， it mas．per lbs；and is dince on amounted，at an averive， vear．But in 1x：00－31 and rice of belaca to the lyyer was rice（（ s ．sed．price and is． s ． ition rose to $t, 2,28,0,1000$ His： dis；iute，that a fall of ts． 8 di． ai hal more than trebled its though st．Aumustinc has rendacium tan impurtcnses ut ardly think that tayue will ${ }_{1}$ the teeth of an exprriment Would nut be used，if it equld poorer classes；wr that the not he very greatly extended 1 s ． 3 d ．or 1 s ． 3 d ．juer ll ．in its
akge price of bohea in bond in a，or $1 s$ ．per lb ．，a duty of the i，of cultrse．be cqual to an ad 10 per cent．，which is certainly a neeessary consumed by the ith a duty of $1 s$ ．per It，Buld at T be no manner of loubt that fuld amonnt to 10 or $12,000,900$ lluction of the duty on engoun A，also，be of he＂rwatest int－ or mul midd
it wo ul：ine to conls atith．
and consequently，also，to the demand for sugar，hy a regaril to the well－being of our own people， which is indispunsuble to the use of tea，makes it and to those primeples of mpal and imparial all mat certain，that in wo very lenethened perime the revenue would lone lítue liy the chanere．
－We ndmit，haveser，that an relact：on of the daty tols．prer llo．would oceasim at the outsed a very comsidurable loss of revenur，amometing t．e，
 fint this lass might be advantationosly compen－ satiol by adtling ther pent．to the honse－tas，mal extondine it to all houses undor low，a vear．A mea－are of this more，berides being just and proper in itself，would be in areordance with the preedent set liy Mr．l＇itt in 1781．And while it would be adsantigenis to the trale of the comitry，the fectupicris of houses would gain more be tha till in the priece of teas lhan they would fose ly the imperition and inerrase of the house－tax．A duty of ther cent，on a homse of 101 a year would ouly anvemt to ss ．And supposing the duty wh back tens to be reduced to 1 s ．per llb，a fill of $1 \mathrm{~s}, 2 \mathrm{l}, \mathrm{l}$ ． per llo．would be effeeted in the priee；so that， suppusing the consumption of tea by familices ocelpying 10，honses to amonut，at an averase， to mily 10 llas．a year，they would save 3 s， 1 mad． a－verif，or nearly half their honse－tia，by the com－ nnutation．
＇latiing the price of bolea and low erougon in bond in Loadem at 1s．jer lb，（and it is ustadly lese），the duty of 2 s .2 eld．，with which they are at present chargel，is equivalent to an and salorem mile of considerably more than tue hundrul per cent．：wherems，tuking the price of the hyson and wher superior teas commed ly the rich at trom 3 3，to ds．per lh．，the daty on them does not exeered from about 50 to 67 per cent．ad valurem，that i ， is deres not amount to more than from $\frac{t}{f}$ to $\frac{1}{3}$ part of the daty laid on the teas eonsumed by the poor． surely，however，this is neither an age nor a cuntry in which an nuomaly of this sort em be sffel maintained．The publie necessities require that the leat，sugar，and wher neerssaries of the purs should he taxed；but the obvious principles of justier，anso，require that the duties on them should be if not lower，at all events now higher than those haid on the necessaries or luxuries of the rich．The existing tea dulies contradict this phin principhe，and are at onee unjust and exorli－ tant，The duty on bohea and the lower eongont should not，in fact，exeeed tid，or 8 l ．per llo，anse means may be found，in the commatation we bave ventured to suggest，of reducing it to that amount．
＇It has been supposed that sueh an effertual reduction of the duties on tea would greanly inerease our trade with Chima．But of hers donlit whether such would be the case，so liar，at leasis， as regards our exports，and we are inclined to ayree with them，The demand of the Chinese for opiam far eaceeds their demand for any other forign product；and it is at present，and hats loug licen，the most alvantayeous article of export to Chima．The fresumption，consepurently，is，that wete increased quantities of tea sent from China， it woald lad rather to an increase of the impurts of ofium inan of the cottons or hardware of England；or it might，perhaps，check or lessen the heavy drain for bullion that is now operating on Clinas．But though it might not increase our cxports to China，it would not fail to make a corresponding aldition to those to holia，which fonimhe theopium sent to Chima．Evervinerease of imports is sure to oecasiom，direetly or indirectly． an equal increase of exports．But whatever maiy be its immediate or remote influence on the trale with the cast，a raduction of ther duty on tea is required lyo ther and more pressing considerations，
fint ice wilh whinh the duty we have suggested is in prefeet harmong：and ho which the present duty on tea is in diesed emtratiction．＇（Treatise on

The plan we ventured to anggest for a comman－ tation of the duyy was not ndopled，but its． edlectual reduction was then determincel on and wentually carriod ont．All parties appear to have become satistimd that the birmer duty could no lomger be maintained．Its redaction formed a prominemt feature in the balket proposed by Mr．Disradi；and altor the rejection on the latteri， it formed an egratly prominent featare in the Bulget introndeed by Mlr．Ciladstone，and was alterwards pased into a law；the duty being regulated as follows，viz．：－

| To Aprit is, | From Aprils． 15il，tic April $\therefore$ is？ |  | $\begin{aligned} & \text { From and } \\ & \text { afer_April's, } \\ & 1,56 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 1s．10．t．per the | 1s．hito pere the | 1s．in．per lt． | 1s．Ohf．pres |

liat among its other mischicvous effects，the War with lanssia male it uressastry，mot merely to suspend this ar ugrement，but to raise the dities
 $\lambda_{\text {pril }}$ if，18．77，when they were redneed to 1 s ． 5 d ．

This rateof ${ }^{\prime}$ thty was contimed until Mr．Alad－ stomr，in April ixtiai，as one of the principal fethures of his Butget，earriaf the rethetion to 1 s por lb，which，two yars atterwards，in June 1865， ha liuther suppleminted ly derereasing it to $6 d$ ． per lb．，at which pint it now stames．

We ber to suljuin an estimate，which we have sulmiated to the highest mercatile authorities， showing in tetail the dialerent items which enter into the price of tea，and its cost to the public．

## S：ximute of the Cost to the Public of the Toa re－

 tuined for IIome Consumption in the I＇niteci Kiuydom，supposing at to amount to $11 \cdot 1,700,000$ 1 ll ．Cost if tea frie on board in Chima，all charges inclusive，

 arevating ahout 1, anim）fin，of（eas to the ton
Gouting chard ，and thock rateq
 Gine ot for $t$ months on the price of tea in $t$ hua Cust of tea in Enghand
luyy
diay，and profits of wholenate ame retal atalers Sc．
Making the averuge cost to the comsumer very
We helieve that this estimate eomes as near the mark as it is pussible to to in such enquiries．It sets the oppressivenss of the late duty in a striking point of view．It may be supposed，per－ haps，that we have overrated the profits of the dealers；but we do not admit thut such is the case． There are above 17． $\mathbf{7} .010$ retail dealers in tea，and taking their protits at $[10 /$ ，well at an average， they would execed $1, \frac{\pi}{6}(0, t 1001$ ．It shoudd，also， bee borne in mind that the probits made hy the retail of tea are to be rerarded as includinis the greater part of those mate by the retail of nugar， which is sold alumst at its cost price．ludeed， cery many grocers will not supply custumers with sugar muless they also saphy them with tea．
The fonlowing statements in regard to the deliveries \＆es ：mbl prices ot tea，are derived from the valuable circular of Mesirs．Percival \＆Co．， 10 Philpot Latue，1stij－1sis．
The annexel talle shows the sources whence we derived our supplies of teat in 1 shia．

Cupmaity of Climu to firrnish a ralditional Supphiss of Tea，－It hal been smmatimes contended，that should the duties on tea be materially reduced，
 Jocrmber 31 in inuh lear.




T, with the Nturks uns

the increased dinumal of this eonntry combl not In:

 Chasse. Itar reaters will hamily axpert lhat we shand ruter at thy longti infothorefutatian ol






 and yet erery oho arymanted with the hintory of the trale is awture that, thonght the comsampation
 times, Hu* priaes jan all open marketa have with

 'Ha pronlartion of ton is rapidy extomding in (hina: sumb its vast expent, its capmeitios for
 tu whind it is flere amal, nerative the alen that, ay moneravale increase ol the eonsmoption ol thin romatry shoulal lanve any pereptible or purmanert inflemer on its cost. priere. lint at the
 (tumbions in the eantry may for a while inforrupt the usul supply, miel ociasion a temporary rive at prime The export of Assam tea 'ronn India tal lireat Jritain lins, within the lant live yrars, timulden, and is still appurently om the incerase, the greatest aftention leciner now gaid to the caltivation of the plant.
 in urdimury lears may (INBx) be cstomaterl us fillones, ciz.:

| 1 Imatiel Kughturn |  |  | $1 \mathrm{l}_{1}$. |
| :---: | :---: | :---: | :---: |
|  | - | - |  |
| . Dinuellia | * | * |  |
| Aıserata | - | * |  |
| Hellant | - | * | 1,11461,11419 |
| fatse. | - | - |  |
| (eluer pilarers | , | * |  |
| Tolal | - |  | 3н, (1, |

fle rexpurts af teal fo linssia by dand nomount to

Retuil Jerthers in Tire.- Vietailerm in tea are

 - those rated umder $x /$. In 1 sio their mumbers were, for the linited Kinzaloms, $10.1,798$ of the



d/ultration of ' lews-mit misht hive heen farly chourh anticignted, from the high price of: and the lioch shaty on tois, and the tacility will whel it may loe mixed mp with lioroigti substantes, flat if would mut eseape indulturistion: sand the reands of the conrta of justioe show dhat surb is the mas, several dealera having beren (anticted ol dits permicions pratice. 'The allallupation is ushally abeded either by the intermisture of slone or ash loases with fresh tois, or fy mining the hatere with tea that has boen drealy usel. The penaltios on such olfones are *ateit below: lat the best, or ratilet the only, wourity on which any relitace can be planed, is io
 parties deahing in ted. Even wero he inthenced by mothing clsa, it wonld bo extreme tolly in any penon carrying on an extonsive business to entaye in subls dishonest prictices; for lhey ean hasily figit of beins cleteeted; and the roin of his bainess, that womble follows such 'xposure, would far nume than fidance whatever gains he could lupe to make by his fraululent seliemes. P'enulties an Afulferafion.-If any deaber in or
Belle of tea dye or fabricate any sloe or other
leaves in imitation of tean or mix ur eolond lawes
 verid or expena: to nalo, or have in possassiabl the rame, ha mall forlicit, firr evory pemmad of rach

livery persan, whedier a dealer in or wreller of

 have been insol, or the lases of the avh, chler, or other free, shruls, or phast, in inutation of toib, or who slall mix or colour surh leaven with terra
 or othor ingrealient, or who shall soll or a's|wne 10
 in imitation of ten, shall for overy promal liorioit,
 jusitice, $6 /$; or bin hem-proment, bo comanitted to the honse of eorrection fir loot. more thant l! mor


Any jurpont having in paswexion any ghantity
 the liaves of nay other traer, plallt, ur whilals, Lreen er mannafactured, analshall nat prove to the sationfotion of the jusidee laturiner the matlor that the stame were fatlored will the eonsent of the owner of the troes dee, null that lhey wore gat
 fialiricated in imintion of teas, shall fortoit sh. fir esory pouml in his possession, or, on won-payment, be committed to prison. (xice s.)

11 an atliner of excise, or ot lar persom, make oath that Jue sumpents herles dyent, or othorwiso prepared in dulation of tan, are hid or lalened in any phace, a justise may issue at Warrant fur seizinfe the sanme liy elay or night (in the night in
 tuls, sunl patokares in which thoy maty les: contained; the herls may be directed to be burnt, nur the wagions de. sold, andafter dedmetingexpeeswes, thre proceeds to be sharel, latif to its furmer, aud hall te peor of the parish. (Dbstracting su*l seizure subjects the offimber to a pernalty off shlo or not less than buor more than I: inonthis imprisomument. (Sec, il.)

Horlss not to be burnt, if owner can prove, wirhan :l houra, that thay were fathered witls cesmonati of proprictur of erees, plants, or shrubs, and thent they were not intembed to be fibbricated in imitation of tea. (sce. 4.)
foeupier of promines where herben are fomme, liable to the pemalties, maless he can prove they were louged willont his consent. (Sere. Bo)

Consmaption of Tere on the Contiuent and in the
 amd llohland ari the only onus in which the consumbtion of tea is convitlerablo. In lstion the imparts of tan infor linponean litssia, ex Fialand,

 Ih. 'l'he consumpition of France does mot exceed 700, 11001 db. 'Ilas importations ino IIamburf
 Erbiter part of which is forwarded to the interior of ficrmans.
${ }^{\text {r I'lus }}$ comsimption of the Cisited States amomets
 on tan utol to form one of the lariont it ems on Ansericint revenue, latring insome vairs probleced listl, dithl. 'l'heir magnitule, lowever, was justly complatued of ; and it is probably owing to this pircumstance that, while the ealsimpotion of ton was for sevoral vears pretty stationam in the Linitel states, that of collee increased with "rent groater rapidity than in Encitut. 'l'he thourishilif mite of the revenue for $n$ nomber of years huvintr admitial of a very grent rednction of dutics, those di tea were for a time wholly re*
paled. As was to be esprected, the consumption, while duty free, rapidly inereased. The duty undor the present United states uriff is 25 cents poer lb.
'TEAK WOOD or INDIAN OAK. 'The produee of the Tertone arundis, a large forest trea. that grows in dry and elevated districts in the sonth of India, the Dhrman empire, l'ern, Ava, Siam, Java, the Straits Settlements de.

Teak timber is by far the hest in the Bast; it works casily, and, though poroms, is st rong and darable; it is easily scasoned, and shrinks very litule; it is of an oily nature, and, therefore, aloes not injure iron. Mr. Crawfurd says, that in comparing teak and oak together, the useful quatities of' tho liomer will be found to preponderate. 'It is equally strong, and somewhat more buoyant. Its durabitity is more uniform and decided; and to insure that durability it demands less eare and preparation; for it may be put in use almost green from the forest, withont dauger of diry or wet rot. It is bit to emblure all elimmtes and alternations of climate.' ('lredgold's Principles of Carpentry, p. 206; ('rawfurd's Last. Archij口, vol. i. p. dibl IVees's ('yelopadiaz \&c.)

The teak of hatabar, produced on the high table Iand ot the sonth of India, is decmed the best of any. It is the closest in its tibre, and contains the largest fuantity of oil, being at onee the heaviest and the most ilurable. Thins species of tak is used for the keel, timbers, and such parts oft a ship as are mader water: owing to its great weight, it is less suitable for the uper works, and is not at all tit for spars. 'The teak of Juya ranks next to that of Malabar, and is especially suitable for plauking. 'The Raugoon or Burman teak, and that of Sitm, are not so elose grained or durable as the others. 'They are, however, the most boyant, and are, therefore, best litted for masts and spars. Malabar teak is extensively issed in the building yards of Bombay. Shipis built wholly of it are alnost indestrictible by ordinary wear and tear; and instances are not rare of their having lasted from 80 tu 100 yoars; they are said to sail indifferently ; but this is probably owintr as much to some detect in their construction as to the weight of the timber. Calcutta ships are never wholly bilt of teak; the timbers and framework are always of native wood, and tho planising and deek only of teak. The teak of Burma, being conveyed with comparatively little difficulty to the ports of Rangoon nud Manimain, is the cheapest and most abmadant of any, and it is mainly owing to the facility with which supplies of it are obtained that ship-inilding is now carried on so very extensively at Manlmain. It is Iargely exported to Calentia and Madras. [Rangoon.] (Private information.)
In $186 t$ we imported, chietly from Singapore and the sirnits Settlemeuts, 35,724 loads of teak, valued at $342,101 \%$.

A species ot timber called African teak is exported from the wast coast of $A$ frica. Ihat, in point of fact, it is not tcak, and it is destitute of several of its most valuable properties. It is, however, for some purposes, a useful species of timber.
'TEASEL or FULLELS' TIISTLE (Ger, weberdistel, kratzdistel; Fr. chardon a carder; 1tal. cardo da cardare; Span. cardenclat, cardo peinatior). This plant, which is eultivated in the north and west of lingland, is an article of considerable importanee to clothiers, who employ the crooked awns of the heads for raising the nap on woollen cloths; for this purpose they are tixed round the periphery of a large broad wheel, against which the eloth is held while the machine is turned. In

## THliはAD

choosing teasels, the preforence should be given
to thowe with the largest bar, und most pointe to those with the largest bur, und most jwinteh which are generally called mule teusels. They ary mostly used in preparing and dressing stucling and coverlets; the smaller kimb, commonly callel the fullers' or drapers', and sometimes the femple
tersels, are used in the preparation of the fiter terasels, are used in the preparation of the fiter stulfs, as eloths, ratecins de.

TEE'Tll, ELPMIAN'T', [Ivonr.]
'IELEXARAl'II , (the term is derived from the Greck tîde anul yó $\phi \omega$ ). An instrument to writeal a listance. 'The use of telegraphs, or of tome mode of communication by siguala or signs, is of ver ancient date (kollin's Ancient History, book xriil sec. (j), but commerce derived comparatively litle direct advantage from them till the modern appli cotion of pleetro-magnetism to telegraphic purposes. Any seientitie description of the prineiples and aetion of the electro-magnetic telegraph, wea if appropriate, as it is not, to a work like this, would be umintelligible to most readers were it not aecompanied by diagrams or other illustrations. We would therefore refer for this information, in succinet form und moderate comphas, to Brante and Cox's Dictionary of Science and Arf; or, lior a more elaborate dissertation on the subject, to the last edition of the Enncyclopacdia Britannia, the article in which embodies very full deseriptions of some of Sir Charles Wheatstone's inventions, and much other interesting matter.
Sutlice it here to say, that we can not only send messages in an incredibly short time to the attemost parts of Europe, but also to Ameriea br the Atlantic cable, and to India \&c. And doabtless we shall som be enabled to communicate in this expedifions way with every civilised portion of the globe. A good operator can sead 2,000 worls per hour.
The introduction of this motern telegraph for lowed so closely on that of railways, and has beta su) intimately associnted with them, that their direction in this country has not beren of that pere fectly independent elaracter that the extent and importane of this sort of commmancation, enecially in commercial and political matters, woild seeni to demand. The Legislature having takea this view of the matter last year (1868), pased an Aet ( $31 \& 32$ Vict. c. 110), empowering the Government to aequire and maintain the varous telegraplis in the United Kingidem, and to woth them through the medium of the Post Uffice. I'robably the arrangements for the purchase of the whole will be effected in tire course of this wat ( 1869 ), and the issue of fresh regulations and tables of rates may be leoked for cre long.

Already, moder East Inimbs, the male of charges for messages by the Indian telgraph thas been given; but us changes in those at hane are immediately in prospect, it wonld be superin. ous to state in detail the present tariffs of the various telegraph companies.
In demonstrating the ndvantages of a low sale of charges, Mr. Cyrus Field has informed us, that under the 25l. tarill the receipts of the Atlatice Telegraph Company were 50 E , per day, while they were $579 l$. noder a 101 . rate, aud 693\%, undes the 5 guinea taritf. In an extract from the Yir Fork Pribune, given by the e"imes of October ls, 1868, the number of miles of teleyraph lines worked in the United States is stated to hase been about 12.000 in 18:8, 40,000 in 18ix, and 120,001 in 1868.

In 1867 we exported telegraph wire add appa* ratus (chiefly to Norway, Cubil, India, and Nuto foundland) of the aggregate value of 210,0 ik/.
THRLAD (Ger, zwirn; Dutch, garen; Fr. ili;

## HREAD

- preference should be gives crest bur, anil most pmintel culled mate trusels. Theyat aring nad dressing stocking maller kind, commonly ealit 's', nul sumetimes the formple the preparation of the fince riss sc.
IAN'TS'. [Ivons.] the term is derived frum the w). An instrument to write a of telegraphs, or of atane aumber by signuls or sighes, is of very Ancient History, luok xvia ce derived comparativedy little om them till the moderni ppliagnetism to telegraphic parfic deseription of the prineide ectro-magnetic telegraph, ever t is not, to a work like this, grible to most realers were it oy diagrams or other illustratherefure sefer for this informaorm num moderate compas, to Dictionary of Science and Ats; rate dissertation on the subjech, of the Encyelopurdia Britunica, ch cmbodies very full descripir Charles Wheatstone's intenher interesting matter. say, that we can not only sead aredibly short time to the utterope, bint also to America br the id to India \&c. Aud douttiess enabled to communicate in this with every civilised portion of d operator cau send 2,000 words
on of this modern telegraph fil. n that of railway, and has ben sociated with them, that theit coumtry has not lieen of that petp. charncter that the extent and is sort of communication, expe cial num poolitical matters, would The Legistature having tatea matter last yoar (1868), paseet Vict. c. 110), enpowening the equire and maintain the vanous - United Kingdon, and to wirk be medium of the l'ost Mition. ingements for the purchase of the ffected in the course of this ver issuc of fresh regulaticas ant ay be l' oked for ere long.
East Inmes, the seale of - Sages by the Indian telegraph but as changes in those at boue in prospect, it would be supertlydetail the present tariffs of the a companies.
ing the advantages of a low sede yrus Ficl! has informed us, that Grilf the receipts of the Atlantic nany were $\overline{0} \overline{\mathrm{j}} \mathrm{l}$. per day, while under $n 101$. rate, zund 6931 undel itl:. In an extract from the Jir (iven by the dimes of Oetobrth ber of miles of teleyraph lines United States is stated th has th0 in 18:88, 40,000 in 1858, and
ported telegraph wire and apps Norway, Cuba, India. and ?
 fer. zwirn; Duteh, garen; Fr. fil: pan. hilo, torzal ; liuss, nithi).

TMMDER TRADE
1387
swall line mate up of a number of fibres of some wertathe or minal substance, such as thax, cottwh or tilk; whence its numes of cothon, linen, or tilk hatemb. [Corton; Linen; shek.]

Expurts of Cottom, Linen, and silh suming Throud, in ixlia.


 Isert of thin brieks, dricel in kifus, and used in ensering and paving ditferent kinds of buildings. The beet brick carth only should be made into thens [Bmess and Thers.]
Thublil (lier, bauholz, zimmer ; Dutch, timmethut ; Fr, twis de charjelute, beis à hatir; tual, logname da fabbricare; fani. matlera de anstrumeciun; luss, strisewoi gess; loul. eembrowila). The turm nsel to express every large tree symared, or capable of being squmed, ann fit for builys emplayed in loonse or mhip, buitding. In the hng दighe of the customs, when a tree is satwo into

thin pieces, nut aluve 7 inches broad, it ly called baten; when above that breaft: suds thin pieces are called deat. Wisod is the gencral term. comprehomding umber it timber, dye womes, flro woed de.
'limber is penerally sohl by the lond.
'l'lue fullowigg ara ble rontionts at the loals of ditherent specied of timher, hewn and minewn:-


The price of timber has, owing to the reduction of freight and abolition of the dutios, and the greater liceility of importation, fallen very materially since the pare of 18 sio . Wi: salyona an acoount of the wholesale prices of the primetat species of timber in livergon on , bamary eth, 1x69, from the circular of Desses. Furnworth and Jatine of liverpunt.


ThMBre Thades. Having, in separate arti- mer editions, which may still have historical indee deseribed those species of timber most in de- terest, however inapplicable to the present state mand in this cometry, we chall contine ourselves, of things,
in this articte, to a few remarks on the policy of the regulations nader which the trame in timber hat been and is now combucted, thas reaining some statements that appuared in for-
of things.

1. Impuriance of a cheap Supply of Timler.-It is surely unnecessary to enter into any lengthened statements on this head. If there be one article more than another with which it is of primary

















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 piehed It!.
$\therefore$ Oricun whd ()peration of the discrimimetiat Inty in fímow tico of cimontigitis the impurtation of the timpor of ('antilat anm our oflev' pussessibus in North
 is but of reand frowils. It fook its risu during the alministration of Mr. Vansitsat, ant bore in "vory part the impross of his favourite policy.
 scriously athertal unt provious relations with the lbatio ['awors, a delicioney in the aemstomed suppls of timber began to be npprehemed; and the ship-owners amb Comada merchants naturally equoth nomiled themselves of flis circumstance to excite the feirs of the ministry, and to induce them to chanige the fair and liberal system on
























 jusfitiontion of this medsurg ; but wr Inthere it
 fivoumr of t'an:ula limber; for low rombl it $\mathrm{m}^{\prime}$
 arilele inupurled from n part ioular quartur of the worlal, that was alreality laxiel lly th tho vey




 to :3/. bs. pur loual.
Aimitiong for the nsombert, that ilse pronliar

 the inturtation of timber from Camailit, thate
 lotge as the comentura'ation with the lorigge is in-
 theriver; hut when thateonmmaniontinn is as
 ut its finture intorrnation, it woulil in a sumats
 anal to continue the costly and inconveniont practire of heitge ferried over. 'This, howers, is asandly what we did in the cisot of the tianala Iralo. $1 s_{\text {ecanse }}$ a fortaitona: eombinalion of cif-
 inmorl inlierior timbur at a comparatively hion prise, we resolved to eontinne the prowtioe. the history of commuree alforils few stull divplays of frablitums folly.

The absurilif of this comblurt will appear stild mure striking if we retlect lor a monment on the pron! iar situat ion ol the eomentries in the morthet linrops. Thu mations round the lablie havemate litile propreses in matnifueforinge inhlastrys they aboumal in valathde rim groducts; but the are wholly destitute of the fimer species of manafici turod' rommablitios, and of eolonies. Sor hare they any mal inlucencont fo aftetnpt stuplymp themsuives direetly with the former, or torestiblis the latore. 'Thair iron and eolyner ming, thet
 mal litherto inturempied lame, aflopd far mith roady anal advantaspons investmonts for ther delicient capital than eonld be fanmal in matiofinetures or lureign trale. linssia und drusat were, imberd, tempted, by our corn and tititat laws, to exclute same species of mannfacurd Fonnls; lont it in not possible that they should succeed in materially limitiag our experts to
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 ple of l'rasalit", '—' Jiss: for it is thas only trade whid we can "onsy ant wheat anul all ther reat of mar atticles cambot bes lumortal hore: timber is tho ony ane that cin be bromsht, and the trinle fron lohand las very much ceaned in eomsernuchore of the diminishod fematnd for it; the people cannot























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## IMAGE EVALUATION TEST TARGET (MT-3)



Photographic Sciences


Corporation

## TMMBER TRADE

countries so near at hand that our ships may make 3, 4, 5 , and even 6 voyares a-year to them. Aceortinir to tho evidenco of Mr. J. D. P'owles, then secretary to the London I oek Company, ships can make six voyages from Norway, 3 or 4 from I'russia, and 2 from Russia, in a scason. (Commons' Riport, p. 89.) And we refused to admit it unless londed with a duty that raised its price to a level with what was brought from the other side of the Atlantic-a voynge which our ships cannot, at most, perform above twice a-year.
3. Comparative Qnality of Baltic and Cenatla Timber.-Had the timber of Canada been, at the period we speak of, decidedly superio* to that of the nort's of Europe, something might have been found to say in favour of the diseriminating duty; for it might have been contended, with some shew of reason, that it was of the utmost consequence, considering the application of timber to ship and house builfing, and other important purposes, to prevent the importation of an interior species, even though it might be sheaper. But tite system we adopted was of a totally different character. We did not attempt to shint out an article which, though cheap, was inferior; but committed the twofuld absurdity of shutting ont one that was at ence cheap and at that time really, or supposed to lje, superior.
The committee of the IIouse of Lords olsserve, in their First Report on ihe Foreign Trude of the Country, that the North American timber is more sott, less durable, and every description of it mors liable, though in different degrees, to the try rut, thar timber of the north of leurope. The red pine, however, which bears a small proportion to the other deseriptions of timber, and the greater part of which, though impurted from Camada, is the produce of the United States, is distinguished from the white pine by its greater clurability. On the whole, it is stated by one of the commissioners of his Majesty's nary, most "listinguished for practieal knowledge, experience, and skill, that the timber of Canada, both oak and tir, does not possess, fir the purpose of ship-building, more than hulf the durability of wood of the same description the produce of the north of Europe. The result of its application te other purposes of building is cieseribed by timber merchants and earpenters to be neariy similar' (p. 4).

Impoztant evidence was given in support of this view; but though such was the opinion of the best informed parties at the time, and though its correctuess is in some respects not to be cloubted, still there can be no question that the inferiority of British North Ameriean timber was set in too strong a light in the evidence referred to, mud that it is, in liact, better fitted for several mportant purposes than Baltic tim'ser. Not only is the red Ameriean pue of a very superior quality, but the pine and spruee planks of New Brunswick and Nova Scotia, especially the latter, are universally preferred, for the purposes to which they are applied, to all other varieties of timber; and notwithstanding the reduction of the discriminating duty, and eventual abolition of all duties on timber, their importation, as will be seen, has increasel beyond all precedent. These circumstances were int, however, known to the parties who introduced the diseriminating system, which was at the time, and for long after, most injurious to the best interests of the United Kingdon
4. Apologies for the Discriminating Duty.--If ancthing ourht, more than another, to make leginlators pause before enacting a restrictive ruwulation, it is the difliculty of receding trom it. Alter it has been enforeed for a while, a variety of interests usually grow up under its protection,
which may be materially injured by its rin All, however, that tho persons so interested justly claim, is, that sutlicient time, and erti
possible facility, should bo afforded them to possible facility, should bo afforded them to pr pare for a change of system. Becanse the interes
of a comparatively sraall portion of the communit may be injuriously affected by the abolition of regulation ascertained to bo inimieal to the putbic is it, therefore, to be contended that we slould, all hazards, continue to enforce the regulation wi have so unwisely enacted? To maintain the athrmativo would be to give perpetuity to th worst errors and absurdities, and weuld be ar effectual bar to every sort of improvement. . change, even from a bad to a good system, shou be rashly set about ; but when once the expedienes of an alteration has been clearly established, onght to be resolutely carried into elfect.
It was objected to the abolition of the discriminating duties on timber, that it would be injurings to Camuda and the shipping interest. We believe however, that the injury was not nearly so urat as has been represented; that it was, in fact, fuite inconsiderable. So far from the lamber trade -0 . the trade of lelling wood, squaring it, and floating it down the rivers to the shipping ports-being advantageous to a colony, it is distinetly and completely the reverse. The habis which it gcnerates are quite subversive of that sober, steady spirit of industry so essential to a settler in a rude country: to such a great degree, indeed, is this the case, that lumberers have been tescribed as the pests of a colony, 'maile and kept vicious by the very trade by which they live.' But, abstracting altogether from the circumstances now alluded to, it has been shown, over and over again, that the abolition of the lumber trade would ma erially benetit the real intercsts of the colonics. It is ludicrous, indeed, seeing that not one tree in a hundred is fit for the purposes of being stuared for timber, to suppose that the discontinuance of the trade could be any serions loss. But the faet is, that when treesare cut down by lumberers, for export as timber, insteal of being burnt down, so great a growth of brushwood takes place, that it actually cost mure to clear the groand where the lumberers have been than where they have not been. Mr, lideards, who was sent out by Govermment to rejwet on the inlluence of the limber trade, representel it as most unfaveurable; and obser ved that. ' when tine or chance shall induce or eompel the inhabitants to desist from this employnent, arriculture will begin to raise its head.' 'I'he statements of Captain Moorsom, in his Letters from Jora Scotict, are exactly similar. He considered the depression of the timber market, although a severe loss to many individnals, a 'theeided gain to the colony,' from the cheek it has given to the 'lumbering mania' (j. 53).

The statements that were male as to the amount of eapital expended on saw mills, andobher fixed works tor carrying on the lumber trade, lad been singularly exargerated, ond Mr. I'. 'Thumen (afterwards Lord Sydenham), who ind the bet means of acquiring accurate information on thas point, stated, in his speech on Mareh 18, 1831 , that if $500,009 l$. were taken as the amount, it would be a great deal above rather than under the ral value.

The fact is, that in so liar as the interests of the colonies are concerned, it is plain they did not really lose by the repeal of the dillerential duties on foreign timber. For the quality of their timber having been well ascertaned, and the premudee with which it lad formerly to contend having subsided, it was found quite able sucershbly to maintain its ground, moder a free system, wi the timber of the baltic or of anywhere dse.
terially injured by its repal the persons so interestel ma at sullicient time, and every ould be afforded them to pre system. Because the interests small portion of the community affected by the nbolition of a ned to be inimical to the pulbia, ec contendel that wo should, at ue to enforee the regulation we enacted? To maintain the be to give perpetuity to the absurdities, and would be an ery sort of improvement. Xo a bad to a good system, sloold ; but when once the expedieney ans been clearly- establishlech, tely carried into effect
to the abolition of the discrim. imber, that it would hee injurinas s shipping interest. We beliere, iujury was not nearly so dzat ented; that it was, in fact, quite ;o far from the lumber traticor g wood, squaring it, and tlaating is to the shipping ports-being colony, it is distinetly and com-
The habis which it generaes ve of that sober, steady spirit of tinl to a settler in a rade country: gree, indeed, is this the case, tiat jeen deseribed as the pests of a ad kept vicious by the very trade ve.' But, abstracting altogether tances now alluded to, it has been over again, that the abolition of would ma erially benctit the real :olonies. It is ludicrous, iadeef, ne tree in a hundred is fit for the Ig squared for timber, to surppose nuance of the trade could be any it the fact is, that when trees ine nberers, for export as timber inpurat down, so great a growit of place, that it aetually cors more und where the lumberers hare they have not bectn. Mr. lidhcut out by Government to requrt of the lumber trade, reprecested urable; and observed that. ‘ when hall induce or compel the inlafrom this employwent, agrienlraise its head.' The statcuments rsom, in his Letters from Sored Iv similar. He considered to de iimber market, although a severe ividuals, a decided gain to the check it has given to the 'hum;. 53). its that were male as to the 1 expended on siaw mills, aud bother rarrying on the lumber trade, ind xarscrated, and Mr, I'. Themen I Sydenham), who ha! the bet ug aceurate infortaation on tuis iis speech on Mareh 18, 1831 , that tiken as the amount, it would be a ratt!er than under the real value at in so far as the interests of the cerned, it is plain they dia net e repeal of the dilferentian duties For the quality of thecir timwell ascertained, mid the wrejudice fad formerly to contend havims fomul quite alle sucersisilly to munl, under a free system, with e Baltic or of mywhere cloc.

Has the imports of timber from British North Dariea fallen off to the extent that was once auticipated, from the reluction or repeal of the discriminating duty, it would, no tloubt, have affected the shipping interest. But it could not, under any circumstances, have done this to any very great extent. And it is materinl, too, to observe that whatever temporary inconvenience the shipping interest mirght have sustained from the change, its future consequences would have been siagularly advantageous te it. The high priee of timber employed in the buildius of shitis was then the leaviest dravback on the British shipowners; but the equalisation, and still more the aholition, of the duties, have reluced and will keep down this price; and will, consequently, be in so far advantageous to our shipowners.
Changes proposed or cffected in the Timber $D_{u}$ liss from 1831 to 1866 inclusive.-Considering the ricious prineiple on which the duties on timber were imposed, and their pernicious influence, the tenacity with which they were long supported, and the litule opposition made to them, may well excite surprise. In 1831 Lord Althorp moved that the duties on foreign timber shoult tue reduced is. per load on January 1, 1832; 6s. more on dinuary 1, 1833; and 3s. on January 1, 183:1; making the wholo reduction 15 s. per load, and hearing a protection in favour of Canada timber of Sows, per load. The only real objection to this preposal was, that it did not go far enough-that it ssocthed the snake without killiig it.' But, mueierate as it was, it was rejected by a large majority, and the p.oject fell to the gromad.
in ic $85{ }^{5}$ a committee of the House of Commens annuiated to enquize into the operstion of the dities on timber recommended a reduction not escecting 15s. of the protective duty of 45 s. lericd on European timber.
But no step was taken to give effect to these Irsolutions of the committee, so that the trado continued on its old footing down to 1842 .
The dififerential duty of 45 s. per load il favour of Cauda timber was, however, reducer by the Tariff tet of the above year, from October 10, 1838 , to 24 s . per load on timber properly so called, and to 30s. on deals. But, though this was a sigual improvement on the previous system, it left much to te desircd. It was brought about by redueing the previous duties on foreign timber foom bis. to 2.58 s. and 32 s . per load, and the prerions tuty on British colonial timber from 10s, to ls. and Us. per loall. While, however, everyone mast almit that the reluction of the duty on Getein timber was most proper, it is not easy to we why auy reluction should have been made in the duty on c'madian timber. Had it been albred tin remain as it was, or at 10 s . per load, the discriminatirg duty in favour of colonial timber rould have amounted to 15 s. and $22 s$ s. per load, which eertainly was a grent deal too much, at the same time that there would have beren comparaicsty litile loss of revenuc. The peecedent thussyt was, however, further followent 11 11 1817, Wea the diseriminating duty was reduced to 1.4 s . Ind it was further followed up by the Act of 1831, the $1+4$ \& 15 Vict. c. 62 , which imposed a daty of is. fid. per load on squared timber, and of lis, pir do. on deals and battens benught from foreign enuntries. Again in 1860 the duites were reflucel to 1s. and 2s. per load, nad in Mareh bibit the duties were abolishel, and importation beame frec. In the last edition we added, 'if the daty is to be maintained, this ( $\overline{\mathrm{s} .} .6 \mathrm{f}$. por loadi) is as liw as it shumhl be, or, perhaps, lower. But there e.al be no reason why it should not, and there are many why it shoukl, be extenced to


Acrount, shouing the Quantitirs and Jialn's of the varions surts of Wiwnt and Timber Imphr into the linited Kingrime in 18tij, 1866, and 1867.


Tahb, showing the Inport of Timber aud Woot into Liverpool, incheding Birkeuhpud, and t Quentuies deherred fior Consmmption, during ruch of the 4 Fears endeng Frbruary 1. 1 No from Missrs. Dencan, Euity \&'Coss Circular of Fíbrnary 1, 1869).

colonial timber. Probally, indeed, it may he tinfioil, or tin leaf, is about fom of an ind supposed that it had better be repealed. But we thick; and it might be beaten out into leaves at beg to dissent from this opinion; though it mizit thin again, if such were recpuired for the pupheq be as well, perhaps, to allow ships to be built in of art. lu ductility and tenacity it is very inferian boud. But except on them, the duty, supposing A tin wire 0.078 inch in diameter is capable it were cxtended to colonial timber, is too limited to have any sensible, or, at ahi events, any prejudicial effect.'

The review of the Liverpond timber trate of 18lis, in Mr. Edward Chaloner's annuai cireular, states that the total tomage employed in the importatinn of wood to that port had been 87 $\frac{1}{5}, 831$ tons in 1868, nerainst $390,2: 8$ in 1867. 13ut rot withstaniling this falinur off, the prospects of the trade were more fivourable on February I, 1864, theth on February 1, 186s.

TIN (ter. Wech, wessbllech; Fr, fer blane; Ital. latta, handa stagnata; Epan. hoja de lata; Juss. blitcha, shest; Arab, resas; Simse. traph anml ranga). A metal which has a tine white colour like silver; and when fresh, its brillianey is very freat. It has a slightly disagrecable taste, and emits a peculiar smell when rubbed. Its supporting a weight of 347 m . obly witlo breakins. fin is very flexible, and produces crackling noize when bent. It may be reath alloyed with copper, zinc \&e, forming ser valiable compounds. (Thomson's Chemidty Ure's Dictionary, by IIunt.)

The ores of this metal are found in compary tively few places; the prineipal, nud perhaps th only; ones are Coruwall, Galicia, Eragebirte Saxony, Bohemia, the Malay countries, Cling and Janca in Asia. They are peculine to prim tive rucks, generally in gramite, cither in veins beds, and are often associated with coppler to iron, pyrites.
Tin is much used as a covering to several oth metals: iron is timned, to prevent its rapid oxid same process ised to air and mosisture: and hardurg is hetween that ra gold nod lead. lis injurious efleets to which those who the in it specilie gravity is $7 \times 4$. It is very malleable: habit of employing cooking utensils made of th
－Hroul and Timber Impurted 1867.

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| 412.016 | 511,161 | 3，77，11119 | $3{ }^{1014}$ |
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leaf，is about tima of an inch might be beaten out into leare is uch vere required for the purpests ueh were requact it is very inferian，
ility nod tenact as inch in diameter is capatie of weight of $3+7 \mathrm{lh}$ ．enly without In is very thexible，and produces a e when bent．It may be readity copper，zinc \＆e，forming rey apounds，（Thomson＇s Chemistry； cry，by Itunt．）
this metal are foumd in eompart． ces；the principnl，and perhaps the －Coruwall，Grlicia，Eramebirge in cmia，the Malay conntries，Cling emia，the Monay come peculiar to primi－ rerally in rrinite，either in reins of －otten associated with copler and
I used as a covering to several dhar is tinned，to prevent its rapid oxids－ fosed to nir and moisture：and be is applied to copper，to avind the ets to which those who no．in the
metalure always liable．The scintions of tin in mentioned year a considerable increase trok the uitric，muriatic，enitro－sulphuric，and tartaric neids，are much used in dyeing，as giving adecree of permanency and brilliance to several eolours， to be uhtnined by the ase of no other mordants with which we are at present acquainted：tin forms the basis of pewter，in the composition of which it is alloyed with lead；when rolled into thin sheets，it is called tin－foil，and is appried，with the addition of mercury，to cover the surface of chas，thus forming looking－glasses，mirrors de．； anul in combination with sulphur，it ronstitutes what is called mosaic gold，（Joyce＇s Chem．Min．）
Tin I＇stes，known in Scotiand by the name of u＇hite iron，are applicable to a great varicty of purposes．They are formed of thin piates of irom dippel into molten tin．The tin not only covers the surface of the iron，but penctrates it com－ pletely，aind gives the whole a white colour．It plesusid to ald about $\frac{1}{10}$ of copper to the tin，to prevent it from forming too thick a coat upon the ITun．
The demand for tin plates，which has always been considerable，has latterly increased with extrourtimary rapidity．The exports in 180；7 immonted to $1,579,692 \mathrm{cw}$ ．，valued nt $0,063,26) 1$ ， if which 10 less than $1,390,064 \%$ ．worth went to the United States．In 1866 the value of the exports amounted to $1,896,192 l$ ．I）uring 1867 ， \＄4， 09 ewt of British，and $26,576 \mathrm{cwt}$ of foreign and enlnnial tin were exported from this country， in addition to the unwronght tin plates and tin and timed wares．
historical Notices of the British Tin Trude．－－ The tin mines of Cornwall have been worked from a very remote era．The voyages of the Phoni－ hims to the Cassiterides，or in islands，are men－ timed ly Herodotus（lib．iii．c．115），Diodorus siculas（lib．iv．p．301，ed．1604），and Strabo （Giog．lib．iii，）．Some difference of opinion has， indefi，been entertained as to the particulnr inlands to which the Phonicians applied the term Cassiterides；but Borlase（Account of the Scilly lsunds，p．72），Lareher（Herodote，tome iii．p． $3 \times 4$ ，ed．1802），and the able critics，agree that they are the Scilly Islands and the western ex－ tremity of Cornwall．After the destruction of （arthage，the British tin trade，which was nlways reckned of peenliar importance，was carried or by the merchants of Marseilles，and subsequently by the Romans．Besides Britain，Spain furnished the ancients with consideruble quantities of tin． We have no very precise information as to the purposes to which they applied this metal．It has been supposed that the Phoenicinus，so famons for their purple dyes，were acquainted with the use of the solution of tin in nitro－muriatic acid in fixiag that colour．The best of the ancient mirrors，or specula，were also matle of a mixture ofeopper and tin ：and tin was used in the conting of eapper vessels．（Watson＇s Chemical Essays， vol，iv．）
In molern times，the tin mines of Cornwall and levon have been wrought with various degrees of encrgy and suceess，Queen Elizabeth brought wer some German miners，by wtiom some of the proceses were improved．During the civil wars， the mines were much neglected．At the com－ mencement of last century，however，the business of mining was carried on with renewed vigour ； and from 1720 to 1740 the annual produce was ：ibvut 2,100 tons．The produce went on gradually increasing，till it amounted，in the 10 yenrs from TOU to 1800 ，to 3,254 tons a－year．During the nest 15 vears the produce fell off；and for the 5 yarserding with 1815，it was always consider－ ably under 9,000 tons a－year．But in the last－
place：and since 1816，the produce has been，with the exception of 1820 ，alwnys ahove 3,000 tons a－ year．And latterly it has so incruased，that on the average of the 3 yenrs ending with 1867 ，the annual produce of the mines has lien 12,091 tons of tin ore，und 8,385 tons of metallic tin，of the value of $1,441,7981$ ．
The price of l3ritish tin was 921 ．per ton in 1800 and at an average，from 18：1 to 1815 in－ chusive，was about 1401．per ton．Its fall from 1815 to 1820，and its comparntively low price for several years thereafter，vere owing to a variety of causes：partly to improwments in the art of working the mines，partly to the increased supply of metal obtained tromi them，and partly and prineipally to the competition of the tim of jlanea nud of the Malay comitries．Previonsly to 1814， we had in sone measure a monopoly of the market of the world．lint since then the Banca mines have been wrought with unusual spirit； and their proluce has been so much increasen，us not only fully to supply the market of Chima，to which we formerly exported from 600 to 1,000 tons，but to meet is in every European market． Malay tin is now very extelisively imported，tor warchousing，into Fughand，at the stime time that large quantities are carried clireet to Holland， where there are refining houses．But，notwith－ standing these circumstances，both our exports of tin and its price have inereased considerably of late years．
Duty on British Tin，－ 111 tin proluced in Cornwall was subject，from a very remote period down to 1837 ，to a coinnge duty of 41 ．per ton， payable to the Duke of Cornwall：the tim raised in Devonshire was subject to a similar daty of 11．13s．4d．per ton．This duty producel from 16，000l．to 20,0001 ．a－year；and was felt to be a serious grievance，not only from its amonnt，but from the vexations regulations under which it was collected．Luckily，however，the duty on tin，and all regulations with respect to its coinage， were abolished by $1 \& 2$ Vict．c． 120 ．Compensa－ tion was made to the duchy of Cornwall for the loss arising from this abolition，by settling on its possessors a perpetual annuity ejual to the nett average amount of the duties duaing the 10 years ending with 1837.
Tin，Onental（Malay，tima；Hin．kalai； Siamese，dibuk；I Burmese，kye－p＇kyu，white＂ copper）．In commercial language usially called Banca tin．It is found in several provinces of China；but the most extensive and，probably； richest tin distict in the world exists in thit： Malay countries．This comprehends the whole of the peninsula，from the extreme cape to the latitude of $14^{\circ} \mathrm{on}$ its western side，and to $11^{\circ}$ on its eastern，and comprehende several of the small islands lying in the route berween the peniusula and Java，as far as the latitude of $3^{\circ}$ south；so that the whole of this tin district has an extrome length of near 1,200 miles．By far the greater number of the mines within these limits are as yet unwrought and unexplored．It was only in the beginning of last century that the mines of Banca，the most productive at present worked， were necidentally discovered．The whole tin of the Malav countries is the produce of alluvial ores，or what is called，in Cornwall，＇Stream－ work ；＇and from the almalance in which the mineral has been found by the mere washing of the soil，no attempt has hitherto been male nt regular mining，or obtaining the ore frons its， rocky matrix．Malny tin，consequently，is grain tin，or tin in a yery pure state；that being the species which nlluvial ore uniformly produces．

## TOBACCO

The mines, or rather excavations, wre perpertlieular pits of from 15 to 25 fect derp; and when the soil uni a superstratum of common clay are removed, the hed eontaining the ure, consisting of guartz and granitic gravel, is rencled. The sand and gravel are separated from the ore by passing a strean of water through the wholo materims. The ore so obtained is preserved in henjs, and smelted periodically with chareonl in a blast furnace. The mine or jit is kept clear of water by the Chinese wheel. No cattle are used in any jart of the process, human labour being had reconrse to thromghout the whole of its atages. The most imperfect part of the prucess is the smelting. The strean ores of Cornwnll, which are generally poor, afforl from 65 to 75 per cent. of grain tin; whereas, owing to the imperfection of the process, from those of Banca not more than 55 ur to are usually obtained.

With very trifling exceptions, the whule tin of the Nalny islands is mined and smelted by Chinese settlers; and before their skill and enterprise were applied to its prodnction, the metal seems to have been obtained by the inhabitants of the countries which prodnced it, by processes hardly more skilfin than those by which the precions metals were procured by the native inhabitants of America, prior to the jutroduction of European skill and machinery. The following estimnte has been given of the annual produce of the principal states and places producing tin:-

This can be censidered only as $\mathfrak{a}$ rough estimate; but we believe it is not far wide of the truth. The most considerable port of exportation is Batavia; from which there is sent annually, either directly or through orders from the Dutch Govermment or the authorities at Banca, between 4,000 and 5,000 tons. In IIunt's mineral statistics, the production of the Scoteli Bunca mines is stated at 4,182 tons in $1865^{5}, 4,807$ tons in 18ti6, and 4,260 tous in 1867, and the Economist of January 2,1869 , quoting the officinl returns of the Dutch Trading Company, stated the total stock of Banca tin in IIolland in December 1808 to have been 142,014 slabs. From I'rince of Wales Island there is also a considerable quantity exported; and a smaller one direct to China in junks, from several of the native ports on the eastern shore of the Malay peninsula. The great marts for the consmmption of tin are China, Ilindostan, and the continent of Europe. The quality of the different descriptions of Malay tin, although there may be some ineonsiderable difference in the quality of the original ores, seems to bo derived chiefly from the greater or less skill with which the process of suclting is conducted; and this again, nocessarily depends upon the extent of capital and goodness of the machinery empleyed. The mining operations of Banca have long been conducted upon a larger seale, and with more skill, than in any other of the Malay countries; and, consequenty, the metal prodnced in this island is superior by from 10 to 12 per cent.: in the market of Canton it is called 'old tin,' in contradistinction to 'new tin,' the produce of the
other Malay eomintries. Next, in point of quali to tho produce of Banca, are-those of 'Tring: and Singkep, which are not more thon 5 per ed inferior to it. The tin of the state of l'era, a ed siderable part of which is produced by the natis themselves, without Chinese assistance, is t worst, and usually about 15 per cent. below th of Bunca. The mative tin of China is 10 per ret inferior to that of Banca, and is probably blo tin, like the greater part of that of Cornwa and, like it, the produce of regular mining oper tions, and not alluvial. The prolnce of t Chinese mines is snid of late yeurs to have great deereased; probably or-iag to the preat increa which lats recently taken place in the produre the Malay comstries, and the chenpores and ann dance with which it tinds its woy to Chimin. shonld be adided, that of late yrats, and chich owing to the very low price and nbundme German speltor (aine) in tho Indian market, th commodity has occusionally been frandulemt mixed with tin. The Chinese brokers ut Cautul however, are sulliciently expert to detect il adulterntion; and it is believed that this ti: creditable practice has lately ceased.
The price of tin, taking the Dutch market as ih standari, has flactuated in the 10 years from 18 : to 1867 from 1/11s. to $81 \mathrm{~s} ., 95 \mathrm{~s}$. being the price in September 7, 1867. (1lunt's Mineral Statistia for 1867; Crawfurd's IIstory of the Indiun Archipelago; Dr. Ilorstield's MS. Statistical Iite of the Island of Banca; Singtipore Chronide Canton Register; \&c.)
TOBACCO (Dan. tobak; Duteh, tabak; Ger. tabak; Ital. tabaceo; Pol. tobaka; linss. tabak; Span. talaco; Arab, buijerhhantr ; Hind, rumbükū ; Malay, tambrincoo). The dried leaves ${ }^{\text {f the }}$ Nicotiana Tabacum, e plant indigenous to Ameria, but which succeeds very well, and is extemively cultivated, in most parts of the Old Wurk. The recent leaves possess very little odour or tiste: but when dried, their odour is strong, nareoth. and somewhat foetid; their taste bitter and x tremely aerid. When well eured, they are of ? yellowish green eolour. When distilled, thes yield an essential oil, ou which their virtue depends, and which is said to be a virulent prisula. The leaves are used in varicas ways; being chewed, smoked, and ground and manutisturel into snuff. It is in the last mentioned furm wat tobaceo was for many years principally used in Great Britain; but now almost the whole consumption is effected by smoking. Though the contrary has been often asserted, the use of to. bacco does not seem to be productive of any perceptible bad consequence.

1. Ilistorical Sketch of Tobatco.-The taste for tobaece, though apparently administerint ouly to a frivolons gratilication, has given bith to d most extensive commerce, and been a poweriul spour to industry. Being a native of the Ser World, its introduction into Europe dates ouly from the early part of the sixtenth centurg, Seeds of the plant were sent, in 1560 , frum Portugal, to Catherine de' Medici, ly Jean Niout. the French ambassador in that country, from whom it has received its botauical name. the notion, at one time so general, that the spetiec appellation tobacco was derived from its lavine been imported from Tobago, is now umersain admitted to be without foundation. Inumbitit has shown that tobacco was the term used in the Haytian language to designate the pipe of it striment made use of by the natives in smaking the herb; and the term, having been trensifent by the Spaniards from the pipe to the how itedit, lias been adopted by the other nations of the

## OBACCO

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 are not nore than 5 per eent, tin of the wate of l'era, at conich is probucal by the matives it Climese assistance, is the alrout 15 per cent, below that ive tin of China is 10 per cent. Banca, and is jrobably block er jart of that of C'ornwall: Hluee of rearular mining operahavinl. 'The protuce of the id of late years to lave greatl! Iy oving to the great increase "taken place in the produre of ss, and the chenjnios and ahouit timle its way to Chinis. It that of late years, and eliedy $y$ low price ant abuntance of fne) in the lutian market, this censionally been framlulemtly 'The Clinese brokers of' ('intuin. lieiently expert to detreet the $l$ it is believed that this ciro has lately ceasel. taking the Dutch market as the tuated in tho 10 years from 18. to $818 ., 95 s$. being the grive in 37. (Ilunt's Mineral Stulistice furd's History of the Indian Horsilichl's MS. Statistical 「"̈ter - Banca; Singupore Chronide; (.c.)

Can. tobak; Dutch, tabak; lies. acco; Pol, tobakia; liuss tabak; Irab, bujjerbhang ; llind. tummbrincoo). The dricd leares : the om, p plant indicrenous to America, ads very well, and is extensisedy st parts of the Old World. The ssess very little odour or tiate: their odonr is strong, mareotic. otid; their taste bitter and $\mathbf{x}$ When well eured, they are of a colour. When distillel, thes ial oij, on which their virtie ich is said to be $n$ virulent pilisus. used in varicus ways; being and grounct and manufacturet $s$ in the last mentioned furm las many years prineipally nstil but now almost the whole cans ected by smokinir. Though the en often asserted, the use of th seem to be productive of any consequence.
Sketch of Tobatco.-The taste fot i apparently adninistering only ratitication, has griven birth to: commerce, and beca a poweth v. Being a mative of the Sens odaction into Earope dates ofy part of the sixteenth ceptur: plant were sent, in 1560 , from therine de' Medici, by Jean Niot abassador in that country; fro ceeived its botanical name. 1u time so gencral, thas the specitic acco wis derived from its having from Tobago, is now nuiveraily without foundation. Humbidu tobaceo was the term used in the ago to designate the pipe "t in use of by the natives in surking the term, having been transfortal ds from the pipe to the herb itedi, ited by the other nations of the
aucient world. (Essui politique sur le Nourelletispayne, vol, iii. p. 50, end edit.) Tobaceo is lelievel to have been first intreduced into linglaul by the settlers who reth...tel, in 1586 , from the colony which it had been attempted to found ia Virginia, under the anspices of Sir Walter haleigh, in the preceding year. Harriott, who accompanied this expedition, fives, in his description of Virginia, an necomst of the tobacco lant, and of the manner in which it was used by the natives; addling, that the English, during the time they were in Virginia, and since their return home, were accastomed to smoke it after the fashion of the Indians, ' and found many rare and wonderful experiments of tho virtue theresf.' (Hakluyt, vol. i. p. 75.)
Rateigh, and other young men of fashion, having adopted the practice of smoking, it spreal amongst the English; as it had previonsly apread amongst the Spaniards, Portuguese, French, and nther Continental mations. But it mule its ateatest progress in this country after the foundation of the colony at James Town in Virgiuia, in t60. The soil of the colony being found particalarly well titted for the cultare of tobacco, considerable quantities were raised and sent home; and the numerous individuals interested in the rolony contributed to introduce that taste for it which was diffused amongst all classes with astonisining rapidity.
James I, attempted, by repeated proclamations and publications, some of them conched in very stroar temms, to restrain the use of tobacco. 13ut his effurts had very littlo effect; and the settlers iu Virginia continued to experience a more rapidly iucreasing and better demand for tobaceo than for auy other product of the colony.
During the earlier part of the reign of Charles I., the trade in tobacco was monopolised by the (rowa. This monopoly was not, however, of long continuance, and totally ceased at the breaking wut of the civil war.
Tobacco plants had been early introduced into fingland, and were found to nnswer remarkably well. Their cultivation was, indeed, prolribited by James, and afterwards by Charles, but apparently without effect. At length, however, the urowing consumption of tobacco having excited the attention of the government financiers, it was steo that, by inposing a duty on its importation, a considerable revenue might be raised; but that, were it allowed to be freely cultivated at home, it would be very difficult to collect $a$ duty upon it. In 1643 , the Lords and Commons impesed a moderate duty, for the sake of revenue, on plantation tobaceo; but instead of directly prohibiting the ase of native tobacco, they burdened it with sueh a duty as, it was supposed, wonld occasion its culture to be abandened. The facility, however, with which the duty was evaded, soon satistied the republican leaders that more vigorous measures were required to-stop its cultivation, and consequently to render its importation a source of revenuc. Hence, in 1652, an Act was passed, prolibiting the growth of tobacco in England, and appolating commissioners to see its provisions carried into effect. This Ael was contirmed at the liestoration, by the Act Charles II. e. 34, which ordered that all tobacco plantations should bo destruyed. These measures wero belicved, at the time, to have been principally brought about by the eolicitations of the planters; Lut their real intention was not so much to conciliate or benetit the latter, as to facihitate the collection of a reveaue from tobacco; and, considered in this point of view, their policy seems quite uncxiceptionable.
'His Aet dill not, however, extend to Ireland; and, previous to 1830, he ciltivation of thbates made considerable progress in the country. Ital this been allowed to eontinue, there call be mo question that, in a few ycars, the revenue from tobacco, anmonting to about $4,500,000$. a year, wonld have been most materially dimimished; for it would be quite visionary to suppose that nuy plan could have been devised for collecting a duty even of 100 jer cent. uion tobaceo-(sce post)supposing it to have been generally cultivated in Ireland. No one, therefore, can question the wisdom of the Act 1 \& $2 \mathrm{Wm} .1 V . \mathrm{c}, 13$, prohibiting its growth it that country, and the rigorous enforcement of its provisions. Any advantage Ireland mig.tt have gnined by its cultivation would have been but a poor compensation for the saerifice of revenue it must have oceasioned.
In some countries, as England, tobaceo was, down to a comparatively lato period, mueh used in the form of smutl; in others it is principally chewed; but, in one form or other, $i_{2}$ is everywhere mado use of. So early as 162.J, Pope Urban VIIl. issued a bull, excommunicating those who smoked in churches! The practice of smoking was at one time exceedingly prevalent in this country; but during the reign ot George III. it was well nigh superseded, at least amongst the ligher and middle classes, by the practice of snuff-taking. Latterly, however, smoking has been extensively revived, and is much more generally practised than formerly, while snuffing is no longer in fashion.

We quote the following statement as to the universality of the use of tobacco from a learned paper on its ' Introduction and Use,' in the $22 n d$ volume (p. 142) of the Asiatic Journal: 'In Spain, France, and Germany, in Holland, Sweden, Denmark, and Lussia, the practice of smoking tubaceo prevails amougst the rich and poor, the learned and the gry. In the United States of Ancrica, smoking is often carried to an excess, It is not uncommon for boys to have a pipe or cigar in the month during the greatest part of the day. The death of a child is not unfrequently recorded in American newspapers, with the following remark subjoined:-"supposed to be occasioned by excessive smoking." If we pass to the East we shall find the practice almost universal. In Turhey, the pipe is perpetually in the mouth; and the most solemn conferences are generally concluded with a friendly pipe, employed like the calumet of peacc amongst the Indiuns. In the Easi Indies, not merely all classes, but both sexes, inhale the fragrant steam; the only distinction among them eonsisting in the shape of the instrument employed, and the species of the herb smoked. In Chima, the habit equally prevails; and a modern traveller in that country (Barrow) states, that every Chinese female, from the age of 8 or 9 years, wears, as an appendage to her dress, a small silken purse or pocket to hold tobacco, and a pipe, with the use of which many of them are not macquainted at this tender are. This prevalence of the practice, at an early period, amongst the Chinese, is appealed to by II. Pallas as an evilence that ${ }^{6}$ in Asia, and especially in Chima, the use of tobacco for smoking is more ancient than the discovery of the New World." IIc adds-" Among the Chincse, and amongst the Mongol tribes who had the most intercourse with them, the custom of smoking is so general, so frequent, and has become so indispensable a luxury; the tobacco purse affixed to their belt so necessary an article of dress; the form of the pipes, from which the Dutch seem to have taken the model of theirs, so original; and, lastly, the

4 U 2
preparation of the yellow leaves, which are merely rubbed to picces and then put into the pipe, no feculiar; that they could not possibly derive all this from Americn by way of Europe; especially ns India, where the practice of smoking is not so general, intervenea between Persia and China."

This, however, is $n$ very doubtful proposition. It secms sufficiently established that the tobncco plant was first bronght from Irazil to India ubout the year 1617; and it is most probable that it wns thence carried to Siam, China, nnd other eastern countries. 'l'he names given to it in all the laugugges of the East are obvionsly of Europenn, or rather Ameriean, origin; n fact which seems completely to negative the iden of its being indigenous to the East.

Sources of Supply. Importation into Great Britain.-Tobncco in now very extensively cultivated in France, the Zollverein States, Austria and other European countrics, in the Jevant, and in Inlin; but the tobacco of the United Stntes and Cubn is still very generally amitted to be decidedly superior to most others. It is much higher tlavoured than the tobace.s of Europe; a superiority attributable in some degree, perlapes to $n$ different mode of trentment; but fhr more, it is believed, to differences of soil and climnte. In the circulnr of Messrs. Parry nnd Crosbie, of liverpool, dnted January 4, 1869 , the ligh character of American strips is especially noted.

Previously to the American war, our supplies of tobacco were almost catirely derived from Virginia and Maryland; nud they nre still principally imported from these states: of $5 \overline{7}, 586,287 \mathrm{lb}$ of unmmufacturel tobacce imported in 1867, no fewer than $37,547,166 \mathrm{lbs}$. came from the United States. Mr. Jefferson, in his Notes on Virginia, has given a very unfavoumble view of the effects of the tobacco culture. It was, indect, well known to be $n$ crop that speedily exbausted all but the very best lands; and in addition to this, Mr. J. says that 'it is a culture productive of infinite wretchedness. Those employed in it are in a continued state of exertion, beyond the powers of nature to support. Little food of any kind is raised by them; so that the men and animals on these farms are badly fed, nad the earth is rapilly impoverished.' (English ed, p. 976 )
Tobaceo is extensively cultivated in Mexico, but only for hoine consumption. It might probably, however, were it not for the restrictions under which it is placed, form a considerable article of export from that country. Under the Spanish Government, the tobacco monopoly was one of the principal sources of revenue; yielding from $4,000,000$ to $4,500,000$ dollars, exclusive of the expenses of ndministration, amounting to about 800,000 dollars. No tobacco was allowed to be cultivated, excepit in a few specitied places. Commissioners, or guardus de tabaco, were nppointed, whose duty it was to take care that all tobnceo plantations withont the privileged districts should be aicstroved. The Government fixed the price at which the cultivators of tobacco were obliged to sell it to its ngents. The sale of the manufactured tobacco was farmed out; and cigars were not allowed to be sold, except at the royal estancos. No one was allowed to use cigars of his own manufacture. 'This oppressive monopoly was established in 1764 . It has been continued, from the difficulty of supplying the revenue which it produces, thy the revolutionary Governments. (llumboldt, Nonvelle-Espagne, iii. 49 ; l'oinsett's Notes on Mexico, note 11ti, Lond. ed.) In Frunce, Spain, Austria, and some other conntries, the trade in tobacco is monopolised by
their respective governmentr, snd yields n lnr revenue.

Cuba is celebrated for its tobacco, particular its cigars. These consist of the leaves, forme into small rolls, for the purpose of smaking At one time their importation into this country wi prohibited; but for many years thls has bee permitted, and the exorbitant duty of 98 , per 1 having been reduced since March 1863 to ba the entries for consumption have more tha doubled in the interval, the entries in 186 having amounted to 885,$6 ; 22 \mathrm{lb}$. Hnvama cigars are usually reckoned the best. I'reviousl to 1820 , the enltivation and snle of tobaceo wer suljeeted to the snme sort of monopoly in Cuba a in Mexico; but, at the periol referred to, the trat was thrown open. In cemsequence of the freelon thus given to the businces, the production ant exportation of tobncco both rapidly increasel though hardly, perinps, so much ns might hav been expected; the culture of sugar and coffe being for a while reckoned more protitable; that however, is no longer the cnse. In 1867 wer exported from IIavannah alone $7,716,802 \mathrm{lb}$. 1 tobacco and 199,027,000,000 cigars.

Consumption of Duty-paid Tobacco in the United Kingdom.-It nppears from the following account, which is not elsewhere to be met with, that the consumption of daty-paid tobacco in (Ireat Britain has increased from about $8,000,000 \mathrm{lb}$. in 1789 , to $40,726,767 \mathrm{lb}$. in 1867 ; the duty on unmanufictured tobacco having fluctnated during the same period from $1 \mathrm{~s}, 3 \mathrm{~d}$, to 4 s . per 1 lb . The present rates of duty as fixed by the 26 \& 27 Vict. c. 7 afe specitied in the annexed Table No. II. There are. however, gool grounts for thinking that the consumption would have been much greater, perhaps nearly doubled, had the duty continued at 1s. 3 d . per 1 b . The subjoined table shows that duriag the 3 years ending with 1797 , when the duty in Ireland was $8 d$. per lb., the annual averur consumption of duty-paid tobacco, in that part af the Unitel Kingdom, was $7,455,221 \mathrm{lb}$. Aod the population having increased in the intervil from about 4 to $\bar{t}$ millions, the fair presumptiot is, had the duty continued the same, that the consumption of tobacco would have increased in the same proportion. But, instead of this, the avernge nnmal consumption during the 3 years ending with 1865 has only been $6,720,479 \mathrm{lb}$, or not quite two-thirds of what it mighl, under the supposed circumstances, have been rensonably expected to be. But the inferenie thence arisiug as to the influence of the duty is not, after all, quite so conelusive ns it wond appear to be from this statement. For it is aext to certain that at the first mentioned period duty paid tobacco would be extensively smuggled frin Ireland into England, where the duty wss IId. per 1b. heavier: and since the equalisation of the duty between the two countries it is prohable that some considerable portion of the tobacco used in Ireland, and carried thither by the cross-chanad trade, has already paid duty in this countr. A part, however, from all considerations of this sort, there can be no manner of doubt thst the consumption both in Britain and Irelnend woullbe very largely incrensed by reducing the duty io 18. 6 d . or 1 s . per lb .

Smuggling.-The price of tobacco in bond raries from $3 d$. and $4 d$. to $6 d ., 8 d$. , and $10 d$. per 1 l. ; that a duty of even 3 s , amounts to 1,200 per ceat.en the inferior, and to 360 per cent. on the superior qualitics. But, thongh quite excessive, this is ine of those articles on which a high duty is leatil objectionable. It is true that the more the walls and desires of man are multiplied the more in-
dustrions he becomes; but toloncon is at once a be quite useless to atempt to denl with an evil filthy and an offensive luxury, und, with the ex- of this sort exepht by very deelsive measures, ception of ardent spirits, thero is hardly uny article Nothing less, we mproheni, than a rednction of on which the money of the porer hand hot better bo the daty to Is, Grl, or rather Is. per lh., woulid be capemed. The onlv good objection to the duty of nuy inaterial service in checking illegral piracis the stimulas which it gives to smuggling nud tices. And as a reduetion to this extent would adultention. In every other respect it is unex- certainly be attemded with great loss of revenue, ceptionable. The establishment of the coast- the question of the tubaceo duties may be properly guard has, however, materinlly whstructed tho enough ileferred to a moreronvenient ofportunity. chadestine importation of tolncen, though it is When, however, the duties on ten, sugar, and still suid that it is intromencel in consilerable other necessuries have been still further reducel patantities. But no effectual cheek has been or or altogether repealed, mud we hatre a consiblerable cill be given to adnltaration so long as the present surphas revenne, we may proced to put the dity is mantaned. At the same time it wonld tobiceo duty on $n$ different forting. We subjoin
 Rates of Duty thereon, ual the Total Nitt Droduce of the Duties in Great Britain and Ireland, from 1z89 to 1858, both inclusuce.

| (ireat Itritain |  |  |  |  | Irctand |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Yeass | Guantities retaineal for Honse Com. sumption | Nett Revenue of ['ustotit | I'ratal Hatey or Duty per lb. on Inmamilactures fobaco |  | Quantities <br>  Ilimma form. stumbion | Nett Ilevenue of Custons | Trital Hates of luty jer the dy Jimhatis. tiseturen 'I'olacto |
|  |  |  | American | Of the Jominlons of Spain and l'artugal |  |  |  |
|  |  | $\operatorname{Lin}_{10} \mathrm{~d}_{i}$ | 14. Sd. | 3. 6 ch. | 2,765, 116 |  |  |
| 1941 |  | $312,04.7$ | .. | 1. ${ }^{\text {ar }}$, | , , , 110, $0,3,37$ | 13, ${ }^{198}$ 1s 111 | 12. Iriah eurrency |
| -1918 | 9, 814,875 |  | $\because$ | . | \% ${ }^{2} 5149,143$ | 117,420 410 |  |
| 1798 $17 \%$ |  | Sis,217 if ${ }^{3}$ | $\because$ | .. |  | $\begin{array}{ccc}80,693 \\ 125,314 & 18\end{array}$ | 6u. ditto |
| 7791 | 9, 423.83 | 606.262 Iy 111 |  | $\because$ | 9.126 .11 | (9x, 1.9n 10 | 6u. tito |
| 1:993 |  | $6 \mathbf{9 9 , 9 4 9} 31$ |  |  | 7, $\times 3.1,409$ | 215,719 96 | s.l. limo |
| 190 | 10, 0177,418 | 75,451   <br> 13 15 1 | 1s. ${ }^{\text {1/, }}$ | 1f.'d. | 6,011. 3,791 | 186,759 190 |  |
| 1:97 |  | 813,027 <br> 8674 <br> 18 | 18. 7 Ai. 6.2 chth | Hs. fut, 18-4uthe | X, 11, 5,355 | 467.721 16 4 |  |
| 1708 | 10,2867,711 | X 677,312118 | 1s. id. 1\% \%hths | 1s. 7 d. It tha | $1, \times 21.171$ | $\begin{array}{ll}213,317 & 18 \\ 44 \times 27\end{array}$ | 18. tlitu |
| -799 | $11,997,115$ $11,796,11,5$ | 994,369 14 4 <br> 987,110 8 8 <br> 8   |  |  |  |  | 18. F - Luths ditio |
| ${ }_{1 \times 11}$ |  | $9 \times 1 \times 8.35$ 3 5 | 14.74. fi. eoth | 4. Fid. is. 21 tha | $(1,3 \times 1), 74$ | $4 \times 5,14 y$ |  |
| 1m* | 12,121,228 | 928,674 91 | 1s, id. 33-50ths | ts. id. 13 -idihy | $6,547,512$ | 309,73s 9 | 14. 7 Ithe per Ib. and 39. 1er 10.4 11. |
| 1903 | 12,389,571 | 1098,563 161 | Is ${ }^{5}$ | 4s. 81.1 | 5,279, 511 |  |  |
| 19414 |  |  |  |  | $3,783,467$ $4,154,91$ |  | 1a. Sus. Brit. cturreris |
| \|ixpli | 12,4,5, 113.5 | 1, 18.5,8.30 111 | 2a. 2 d . $13.5 \cdot 2 \mathrm{thhs}$ | 54. 1d. 19.2ulis | 3, $14 \times 2$, int | $359 . \times 676$ |  |
| $1 \times 17$ | 12, 3 3 6,991 | $1{ }^{33656512} 179$ | -. | .. | 4, $2,31,019$ | 315,1178 |  |
| 1×109 | 12.876.119 | 1,118,4195 37 |  | , | 5,547, 116i |  | . |
| (10/5) | 13, 4, 1, 1 , 70 | 1,325,164 5 | " | 18. 1d. 1.7.201ths | 6,197,662 | 151,278 19 11 | * |
| \|x11 | $11,108,193$ $11,94,213$ | $\begin{array}{llll}1,399,376 & 18 & 9 \\ 1,701,818 & \\ \mathbf{k} & \mathbf{4}\end{array}$ |  |  | 6,2Y1, 616 $6,4.3,041$ |  | 2s. 2ul. 13.2 thhs |
| $1 \times 12$ | 15,013, 3,3 | 1,679,914 28 | 2s. trf. is-zmbs | ts. ist. is.woths | 3,896,7112 | 693, 597 9 11 | 2A. 2u. 13.2nhs anto |
| 1813 | 13,648,24.5 | \{ $\begin{gathered}\text { Sustoms recorls } \\ \text { dexitoyel }\end{gathered}$ | \%s. Sel. 3.1fiths | 18. 11 d .11 .16 hts | 5,911,817 | 746,006 5 2 2 | 48. 8d. 3.16ihs ditto |
| 1814 | 110,5013,917 | 1,581,681 129 |  |  | 4,469,301 | 6.53 .7081211 |  |
| $1 \times 13$ | 13,207,192 | $1,761,1 \times 7 \times 10$ | 5. 7 \% 1. | 3s. 5.41. |  | 7419,479131 | 35. 2d. Alitu |
| ${ }_{1}^{1 \times 16}$ | 12,515, 1314 | $\begin{array}{llll}2,08 \\ 4,158,109 & 4 & 8 \\ 4 & \\ 4\end{array}$ | : | . | 4.754,1185 | 751,510 757316 | - |
| 1917 1418 14 | $13,593,1149$ $13,684,137$ | $\begin{array}{llll}2,158,5461 & 3 & 11 \\ 2,173,366 & 19 & 4 \\ 4\end{array}$ | \% | $\cdots$ | 1,7:3,1613 | $7.57,316$ $6.64,18.3$ 893 |  |
| \| 819 | 11,911,283 | 8,295,015 8110 | 48. | tia. | 3, 166, ${ }^{\text {, }}$, 24 | 611.989 | 4s. ditto |
| 1*0 | 13,116,56i\% | 2,610,972 79 |  |  | $2.558,198$ | 316,416 \% 28 | .. |
| 1981 | 17,983, 199 | 4,fi00,115 7 | . | .. | 2,611,934 | 342,164 69 | . |
| $1 \mathrm{Nax}^{2}$ | 12, 970.966 | 4, 4 |  | . | $3,319,072$ | 661.0167 | - |
| 1823 | 13, 118,331 | 2,693, 0103 15 0 | _-* |  | 3,516,126 | 730,507 12 8 | -• |
|  |  |  | If Itrithoh dinerlica $\square$ | Ilomi. nions of Spain and Portugal |  |  |  |
| 9? | 13, $1148,8,091$ | 2,607,05s 12 6 | Ss, 9, 9\%. |  | 3,79,732 | 70, 3818 | Ts. Uitto |
| $13: 3$ | 14,510,3iN | 2,350,61\% 63 | 2*. ©h. <br> of the Iritish gestions in it |  | 4,160,119 | -2x,ew4 1: 11 | 3s. ditto |
| $1{ }^{181} 4$ | 13,751,3\% | 2,077,875 117 | 2s.9d. | 38 | 3,598,617 | 341, $90 ; 110$ | . |
| 197\% | 11,714, 106; | $8.24 .3,310$ is 4 | -* | .. | 1011,172 | 6103,037 [4 ${ }^{6}$ | . |
| lay | 11,340,368 | \%,494,11\% 14.8 | $\because$ | $\because$ | 1,01.3,915 | 69.683 613,36 | . |
| , mind | $1,7861,468$ $13,70,719$ | $\begin{array}{lll}2,236,36.5 & 12 & 3 \\ 2,319,2 \times 6 & 17 & 6\end{array}$ | $\cdots$ | $\because$ | $4,125,296$ $1,124,783$ | $\begin{array}{llll}613,311 & 1.3 & 6 \\ \text { fis, } 977 & 16 & 5\end{array}$ | . |
| 16.31 | 15,300, 118 | 2,335,106619 5 | . | . | 1.183, 42.3 | 624, 151178 | ' |
|  |  | \%, $4 \times \times, .532787$ | . | . | 4,312,676 |  | .. |
| 158, | 16, 1914.828 | $\begin{array}{llll}2,459,2.57 & 3 & \mathbf{z} \\ 4 \\ 4,516,30 & 6 & 1\end{array}$ | $\because$ | $\because$ | 4,5.51,141 |  | $\because$ |
| ${ }_{1035}$ | 15,169, 299 | $\begin{array}{llll}2,567,3,34 & 6 & 1.3 \\ 2,607\end{array}$ | .. | $\cdots$ | \% |  | - |
| 18.36 | 17,46, 3,6 | 2, $2,39,2,51118$ | .. | . | . $1,1155,1098$ | 757 7, 50090 | . |
| 19.37 | 18,347,875 | $2,65.16,169128$ | $\because$ |  | 5,1178,3,50 | 762,193 <br> 7608 <br> 8 | . |
| $1{ }^{1503}$ | $15,238,341$ $17,67,0101$ | $\begin{array}{cccc}4,743,727 & 16 & 10 \\ 4,713,56 & 7 & 3\end{array}$ | : $\because$ | ! $\quad$. | $5,1016,13.5$ $5,214,684$ |  | $\cdots$ |
| 1511 |  | 2,758, 612 lin ${ }^{2}$ | 2s. 9d. \& $\ddot{z}_{\text {per }}$ | cent. 3 s . is 5 | 万, 3.50815 |   <br> 889,599 711 | Fis. and 5 ym cent. |
| L.31 | 16,609, M. ${ }^{\text {c }}$ | 4,687,34.3 1710 | From | per cent. | 3,175,203 | 863,44173 | . |
| 1812 | 16,8.38, 198 | 2,784,996 19 19 5 | 3. NS | ger cent. | 3. 1000 ¢ 486 | 954,296 $10 \times$ | $\because$ |
| 1514 1,14 | 17, ittiv96 | \%, $\times 80,110$, 0 |  | - |  |  | . |
| 191 <br> $1+4$ <br> 151 | 19,016, 3, ${ }^{\text {a }}$ | 3.1040 .10164 |  | $\because$ | 5.57 .10 .234 |  | . |
| 1516 | 24, 21010,096 | $3,274,980$ 3,37119 10 |  | $\because$ |  |  | $\because$ |
| 1817 $1 \times 14$ 180 | 11,5,36,997 | $3,458,18749$ |  | . | 5,111, 139 | 8015,215 580 | $\because$ |
|  | z2, 1565,1053 | 3,539,2188 19 |  | * | $5.158,314$ | 811.52411 | . |
| $1 \begin{aligned} & 1949 \\ & 1093\end{aligned}$ |  | $\begin{array}{llll}\mathbf{3}, 6.54,156 & 19 & 9 \\ 3,303,179 & 1 & 1\end{array}$ |  | $\because$ | 1,777 4,51867 | $\begin{array}{ccc}718.953 & 15 & 4 \\ 724.16 .3 & 6 & 9\end{array}$ | $\ldots$ |
| 185 | 23, $20,2,31$ | 3,666, 77115 |  | $\because$ | 4,119,936 |  | $\because$ |
| 14.52 | 2, $3,51,4 \geq 6$ | 3,711,511 1163 |  | $\cdots$ | 4,167, 111 | \%03xiv 74 | .. |
| (1433 | 24, 338,438 | $5,809,3831610$ |  | . | 1,516, 3,3,3 | 717.179811 | . |
| - ${ }_{0} \times 1$ | $4,396,140$ $4.3,313,111$ |  |  | $\because$ | 4. $\times 8.89 .162$ | 770,059 70 | - |
| 19.6 | 20,n6, | 4, $4,461,76049$ |  | $\because$ | $\therefore$ - | $7.36,203$ 12 <br> $\times 10,401$  | $\cdots$ |
|  | \%7, 42,04 | 4,97361114 |  | . |  | 834.514970 | . |
| 1804 | \%i, $2 \times 1,114$ | 4,111,171 9 |  | $\cdots$ | S, $=1518$ | 493,421 3.9 | $\cdots$ |





The tabaceo monopoly of Anstria, inchasive from the beaf, whether manufactured or not, an of an area of fiti,t)to Austrinn acres with a prolued of itio, 000 ewt. of driod leat, yielded to the Government in 1865 about 50,0100, the0 florins.

I'ries's u!' Tobaceo in Bond in London, Fidruary nuil April 1Ris?.


Requations as to Importation.-These are embodienl in the Customs Consolidntion det, the 16 \& 17 Viet. $c$. 107 s. $4 \cdot 1$ and the 26 \& $\because 7$ Viat. $c$. 7 , under which the existing duties are leviel. The latter bermits the manufacture of eaventish and negrolead in bond. The chicf provisions of the earlier det are as follows, viz. :-
Not to be Imported.-Tobaceo stalks stripped obnceo stalk dlower
Not to be lmported except under the fillouring Courlitions.-'lobheco and sumf from tho kai Indies, and tobaceo from the Turkish dominions including Egypt, unless lirect. from any of those paces in packuges containing not less than the lb, nett weight ench.

Negrohemil tolmceo, and also sumill being the produce of the Unitel States of America, muless in hogshemis, casks, chests, or cases containing not less than 200 lb . nett weight each, ur unles direct from tho United States in packages eurtaining not less than 150 lb . natt weight each.

Tobnteo from Malta, and tobaceo the prouluce of l'orto Rico, Mexico, South America, St, Db mingo, Cuba, the British possessions in Ameria and the West Coast of Africa, inless in hogsheald, casks, chests, or cases containing not less than 200 lb . nett weight each, or inless direet from those places or from the United States of America in packages containing not less than 80 db , net: weirht ench.
'Johaceo and smuff, the produce of the Philippine Islands, unless in hogshemds, casks, cheols or cuses containing not less than 200 lh . nett weight cach, or unless such tobacco or suufl be from Manilla direct, in bales or packages echtaining not less than 200 lb . nett weight each.

Tobacco and smuff, of or from any country ot placo not beforo enumerated, umless in hogshedd, casks, ci sts, or cases containing mot less than 200 lb . neft welght each.

Cigars, maless in paekages containing not less than 100 lb . nett weight each.

Cigarillos or cignrettos, innless in parkawes containiug not less than 75 lb . nett weirht each.
'Tobacco, not being cigars, cigarillos, ur ciga:ettos, and snuff, separated or diviled in any mumner within any package in which the sam may by the forchoing table be imported, exef tobnacco from the dominions of the Turkish empire. or from Efypt, in outer packages containing th less than 100 lb , nett weight each.

Tobacco, snulf, eigars, cigarillos, or cigaretto of any kinct, or from any country or place what ever, whether hercinbefore enmmerated as egp cially restricted or not, unless in ships of not le than 120 tons burlen, and into such ports only a are ur may be approved of by the Commissinuen of C'istoms.

The ports which are at present: (1869) authrised to import tobacco and smatl are Londey Liverpool, Bristol, Lancaster, Cowes, l'alment: lilect wood, Martlenool, Whitchaven, Inll, Gima (irimsby, JLarwich. Cardift, Portsmonth, hame Glasgow, Port Glasgow, Greenock, Abenice Leith, Neweastle, l'lymouth, Sonthampton, lte ton, swansea, lelfast, Cork, Drogheda, bublu Galway, Limerick, Londonderry, Newry, it Waterford, and Wexford. A rent of $4 s$. is clares

TON
TONNAGE
1309
 bateo wardoused in every warehonse provided be the Crown; es. being paid immedintely 11001 depositius the tobace $\ln$ tho warchonsm, and $2 x$. foure hefore the solaceo is taken out for home monsumption, or exportation: it may remain for fire yars in the warehonse without any ablitional tharge for rent. No abatement is male from the tobareo duties on aceonnt of damage. The duty is to be charged on the guantly found on de:Hivery. 'Tlie allownime of daty-freo tobaren for arlisuilor on hourd her Majesty's mury, and for wach soldiner on forelign service, is fixed nt. 2 ll . per limar monili.
TON, An Lagitsh weight, condaining 20 ewt. ToNSACik. In Commercial Nivigation, the mumber of tons limeden that a ship vill carry:
The monle in which the tomage of I Sritish hips was fommerlv asecranned may be seen in the Repristry Aet, $: \mathbb{A} \|$ Win. W. c. 65 ss. 16 and 1:. 'Ilisis modr, however, led to yory inacenrate eomelusions; and as most shipping charges derent on the tomage, it ocensioned the builiting of whips of an inproper form for the purposes of narigation. in order that, hy measuring less than their real burden, they might evade fiart of the Waties, It was, therefore, long felt to he desirable that some elauge should be made in the plan of neasuriug ships; but the practical obstaeles in the way of the change were greates than might have bern supposed. 'The necurate estimation of the tomare of a ship is a dimbolt problem; mut it is intispensathe that any syatem to be alopted in practive be not very coinples; for if so, it will ther be wholl! inapplieable, or it will be sure to lo iucorrctly ipplied. In this ease, as in most whers, sumumt rirtus est perspiruitas, At best, therefore, only in approximate mensurement can lpentained. A committee of seientific nand practimal gentlemen having been appointed in 1831 tw onsider the sulject, a bill was introdnced into l'miancut, at their rocommendation, embolying "plan fir the more correct mensurement of ships, and was subeepucntly passed into a law, the si
 unt so simple or pasily applied as those that were fircionsy used; but they gave the tomage of all ships, howerer built, with tolerable aceuracy, and consennemty took awny the temptation, hat till then existel, to build ships of such a form that they merhit measure less than their triou harden. Wht these rales have been again com--idfrably moxtifiod. 'Thuse which at present (1869) usist are embolied in the Mereantile shippinge let of 18, 1 . the 17 \& 18 Vict. c. 101 , amenderi by the ens ot Vict. e. 68, and are sulpoined. Sind whatever may be their merit in other rovacts, the $\begin{aligned} & \\ & \text { do } \\ & \text { not } \text { ertainly seem to have mach of }\end{aligned}$ that perpisuity and simplicity which oppear to lee essential to such rules.
Tinnaze Derk; Fient; Decimals.-Throurhont the following rules the tonnage deek shatl bo taken to be the upper leck in ships whielt have lesthan three tecks, and to be the second drek fom bubw in all uther ships; and in carrvise ath rules intu elleet all measurements shatl be thken in fret and fractions of feet, and all fractions of fect shall he expressed in decimals. (Sece 20.)
For Ships to be registered af which the Kold is clear-T The tomagre of every ship to be registered, with the exreptions mentioned in the mext seelion, shall previously to her being registeral. te ascertainol by the following Rale 1: and the thumare of evary ship to which such rule ean te applied, whether she is about to be resistered or atat, shall be aseertained by the same rule.

1. Nensure the letugth of the ship in a straigla lise aloug lan upper vide or the tomange sieck from the inside of the inner plank (average thiek ness) it the alde of thes stem to the inside of the midnhipstern timber or plank there, as the case may be (average theckuss), ilelucting fom this length what is due to the rake of the low In the thickness of the deck, and what is dlue to the rake of the stern timber in the thickness of the deck, and also what is due to the rake of the stern timber in $f$ of the round of the heam; divile the lengeth so taken into the number of equal parts required by the followhog talide, acrorting to the clans in such table to which the ship belonges:
'Tamis,-Clase 1. Ships of whith the tomago deck is accoriting to the nbove measurement bo fert long or whlar, into 4 equal parta:

Chass 2. Shipt of which the tmange doek is necoritiar to the above measurement above su fiet long, and wot expecting 120 , into 6 epmal parts:

Chass 3. Ships of whith the Lomarge teck is necording to the nbove mensuremont above 120 feet long, aur not axcecing 180, into 8 equal parts:

Class 1. Ships of which the thmage teek is aceording to tho above measuremont above 180 furt lonet, and not excerling ses, into 10 equal jarts:

Class 5. Ships of which the tomande leok is according to the abeve measurement above e2. fert loner, into 12 equal parts.
2. Then, the hold beiog liest sufliciently releared to admit of the resuired depths anil breaiths being propery taken, bind the transvorse area of such ship at each point of division of the length as follows: Measure the depth at ench point of division, from a puint at a distance of $f$ of the round of the heam below such leek, or, in case of a break, helow a line atretehed in eontimuntion therenf, to the apper side of the floor tinuler at the inside of the limber strake, after deducting the average thickness of the eciling which is hetween the hilge planks and limber strake; then, if the depth at the milship division of the length do not exeecel 16 feet, divide each deptli into 4 equal parts; then measure the inside herizontal lireadth nt ench of the 3 points of division, and also at the upper and lower points of the depth, extending each measurement to the averare thickness of that part of the ceiling which is lietween the points of measurement; number these brendthe; from above (i.e. numbering the upper brealth 1 , and so on down to the lowest breadtis): muliply the second and fourth by 4, and the thind loy 2 ; add these produets torather, and to the sum add the first lireadth and the fifth; multiply the quantity thus olitained ly $\frac{1}{3}$ of the conmon interval between the brealths. and the prolnet whall be deemed the transverse area; lint if the midship depth exceed 16 feet, rivide each lepth into 6 equal parts instead of 4 , and measure as before directed the hoxizontal breadths at the It points of division, and nlso at the upper and lower points of the depth; number them from nbove as before; multiply the second, fourth, and sixth be d, and the third and fifth by - add these prolurts together, and to the sum add the first brealth and the seventh: multiply the quantity thus obtained ly $\frac{1}{3}$ of the common interval hetween the breaidtis, and the product shall be flemmed the transverse arca.
8. Having thas ascertained the transverse area at each point of division of the lengtlo of the slip as required by the above table, procect to ascortain the register tomage of the ship in the
following manner: Sumber the means suceressively 1, 2, is sere, No, I, hellug at tho extreme limit of the length at the bow, ani tho lant minslerat the extrome limit of the length at the atern; then, whether the length be divifiod areorting to the table into Ior 12 parts as in Stasens I anad io, ur aisy intermediate mumber as in t'lasem 2,3, mad i. maltiply she recomid and every evern manbered aren by if, and the thiril and avers wid numtered area (oxcept the fleat and list) by e; adid these prombucte tosather, and to the wam sald the first and last if they yield any thing imblighy the guantity thus whitainod by of of conemons intervil lwotweol the areas, and the promet will be the eubical combints of the space minder the tonnage deck; divide this predact ly 100, and the fuotlent belag the tomaze nudar the tomange deck shall be deemed to be the register tominge of the ship, sulyject to the militions and deduetious hereimater mentioned.

1. If there lie a break, a prop, or any other permanent closed-in space on tho apper deak, available for enrgo or stores, ur for the bert hing or accommolation of paswengers or crew, the tomage of mach spmee shall be ancertanined ns follows: Mensure the intermal mean length of such spure in feet, and divide it into two equal parts: meqsure at the middle of its height three foside breadths, mamely; one at ench end and the other at the middle if the length; then to the sum of the end breadths mid I times the midille brealth, and multiply the whole wam ly one-third of the common interval between the brendtlis; the product will give the mean horizontal aren of such space; then mensure the mean height, and multiply by it the mean lurizumal aren; ilivide the promact by 100, and the quotient shall be dermed to be the tomange of such space, and shall be added to the tommare naler the tomnage doek, awertained as aforesaid. subject to the following provisoes; Ist, that nothing shall be adiled for a closed-ia space solely appropriated to the berthing of the crew, unless whel space exceeds $\frac{1}{20}$ of the remaining tomage of the ship, and in ense of such excess the excess only shall be added; and 'sndly, that nothus shall be milled in respect of misy buidding erected for the shelter of deck passengers, and approved by the \$haril of Trade.
$\overline{5}$. If the ship has a third deck, commonly called a spar deek, the tomare of the space between it and the tonmge deck slatl be ascertnined as follows: Measure in tiet the inside leugth of the space at themidille of its height from the plank at the side of the stem to the lining on the timbers at the stern, and divide the length into the same number of equal parts into which the lengtle of the tomage deck is disided as above directed; measure (also at the midille of its height) the inside breadilt of the space at each of the points of division, also the brealth of the stem darl the breadth at the stern; number them successively $1,2,3$ de., commencing at the stem: multiply the second and all the other evels numbered breadths by 4, and the thirel and alt uther odd numbered breadilas (except the first. and last) by 2 ; to the sum of these prombets add the first and last breadths; muttiply the whole sum by one-third of the common interval between the breadths, and the result will give in superficial feet the mean horizontal area of such mpace; mensure the mean lieight of such space, and multiply by it the mean horizontal aren and the prodict will be the cubical contents of the space; divitle this product by 100, and the gnotient shall be deemed to be thie tomage of such space, and shall be added to the other tonnage of the ship ascertained as aforesaid; and if the ship has more
thin : decks, the tomnage of each spare twern dorks above the tommge deck mhatl merrally amertahed in manar above descri amil whill be mlifed to the tommape of the awertuinel as aloresalid. (Ser, 21.)

Intes for Nhips mot ramiring Jomistry, Carefin on Bowrid.-Nhips which, reguíring to mernsured for ning purpose other than regis hive curgo oll lsingil, umd shipm which, repuit to be meanared for the purpose of rygintry, mith Ine measared by the rale above given, whal mensured hy the following lale 2;

1. Measire the length oll the upper look fa the outside of the onter plank at the nt'oll to atiside of the stern poot, lealucting theretronn distance between the aftalile of the stern pont , the rabbet of the atern pont at the puint where connter plank crosnes it ; monsire also the great bremith of the shif to the outside of the on planking or wales, and then, having first manh on the minglde of the ship on both sides ther the height of the upper deck at the shiphs sid girt the ship, at the greatest brealth la a directi berpenicular to the ked from the heipht marked on the ontalde of the ship on the one to the height so marked on the other wile i passing it chain under the kerel ; to half the git thus taken mid half' the maln brealth; xpmare : sum ; multiply the result by the length of 1 ship taken as alioresaid; thes multiphy this prondu hy the fictor 0018 ( $18-10,0000$ thas in the eave, shipes luilt of wood, and by $\cdot 0021$ ( $21-10$, , onenth In the ease of ships built of iron, and the prouln shall be deemed the rugister tomage of the shin anbject to the additions and deductions herein affer mentioned.
2. If there be a break, a poop, or other chowd-i space on the upper deek. the tonnape of sud space shall be ascertnined by multiplying togethe the menn length, brentth, and dept th of such spare and divilling the product by 100 , and the guntien so obtained shall be deemed to be the thmage w such space, and slanl, sulyject to the deduction for a closocl-in space approprinted to the crew a mentioned i., lante I, be alded to the tomage" the ship ascertnined as aforesaid. (Sec. :2.)
Allourance for Eagine Room in Stenmers,-It every ship propelled by stean or other pime requiring engine room, an allowance shall b made for the space uecupied by the propelling power, nad the nmount so allowed shall be in lucted from the gross temuage of the ship certained an aforesail, and the remainter shall b deemed to be the register tonnage of such ship and such deluction shall be extimated as fillom-viz.:-
a, As regards ships propelled by paddle-whet in which the tomare of the space solely occuptr by and necessary for the proper working of the boilers and machinery is above 20 per cent, an under 30 per cent. of the pross tomage of thy ship, such deduction shall be $37-100$ tiss of sud yrass tonnage ; and in shipes propelled by serel in which the tomange of such space is abvel per cent. aial finder 20 per cent. of such gre tomatre, such deduction shall be $32-100$ the of eut gross tonnage:
b. As recrards all other ships, the deducti shall, if the Commissioners of Custums ans th owner both agree thereto, be extimated in thi same munner; but either they or he may ia the or his discretion require the space to be measure and the deduction estimated accordingly; an whenever such masurement is so required th deduction shall consist of the tonnage of the spas actually oceupied by or required to be enchasd fo the proper worising of the boilers and inachiner?

TOSN.MG1:
TOOLS
1101
with the adrlition in the case of sidpospromelden by publlo-wheels of one-half, and in the case ot ships porpuiled by serews of thre-fonethe of the tomage of ath minne; and the meanarement mal ase of mith spare shall be governced by the tollowing


1. Measure the mean deptil of the a mer from Is crown to the ceiltige at the limber atrake, mensure also threw, or, if neoresary, moro than three bremithes of the space at the miditle of lis deptr, taking one of such memarements nt ench ead, and another sit the mildle of the lemethis ake the ment of such breadtus; mensure nass the mean length of the space butwern the formose and aftermost bulkhenis or limits of its length, exchuling such parts, if any, as are mot netually mecupided by or reguired for the proper working of the moshinery: multholy torether these three dimenshons of length, breaith, thal depth, ind the proluct will be the cubical contents of the spae hadiw the crown; then thal the cubleal contents of the space or apaces, if any; atove the rrown abresall, which are framed in for the manhiner ar for the admaston of light mad nir, liy multiphying together the length, depth, and broalth thireof; addsmel contents to the cubieal contents af the amace below the rrown; divide the sum by fin); and the result shall be deened to bo thi tonnaze of the said space:
2. If in any ship in which the space aforesaid is to be measured the engines and boilers are titten in separate compartmentos the coitents of each sha! be moasural severally in like mamer, ateerding to the above rules, and the sman of their veretal resulta shall be deemed to be the tomatige of the said space:
i. In the case of serew steamers in whild the smee atoreatil is to be measured, the contents of the shatt truak aloall be addeal to and deemed to firm part of sueli ngace, and shall be ascertained bantiplying together the main length, breadth, and deptis of the cronk, and dividing the product ly 100
t. If in any ship In which the space atoresaid is to le measureal any alteration be mate in the lenuth or capacity of such space, or if any calins be titted lu such space, such whip shall be demed to be a ship not registered until remeasurement:
j. If in any ship in which the space aforesaid is to be measured any gorkla or stores are stowed or earried in such aprace, the master and owner shall each be liable to a penalty not exceeding 100. (Sec. $2: 3$.)

Opeat Ships, hom. Measured.-In nseertaining the twage of open ships, the upper erfge of the njper stake is to form the bumblary line of measurement and the depths shall be taken from an athwart ship line, extending from upper colge to upper edte of the said strake at each division of the length. (S.sc. ©.I.)
Tonnaqe and Nomber of Cerlifieate to he carried on Vuin Beram,-In every registered British ship the number denoting the remister tonnage, nsettaned asherein-brtoredirected, and the nomber of her certiticate of registry, shall be deeply carved of otherwise permanently marked on her mait beam, and shall be so contimued: and if it at any time eease to be so continued, such ship shall no lonser be reeognised as a British ship. (Sce, 25.)
Tannage when onee ascertained to be ever after demed the Tonuage.- Whenever the tonnage of any ship has been ascertained and regristered in acondanee with the provisions of this Aet, the same shall thenceforth be deemed to be the tonmane of such ship, and be repeated in every subsequent registry thereof, unless any alicration is mate in
the furm or capacity of such ship, or illulowe it is diseovered that the tonnage of such ship, has heen eroneotasly comphited: and in either of moth eases smell ship shad bot remeasured, and her tommge determined and registered according to the rules heredil rontuibed. (Nece, wis)
lemerasurement of ships alrouly repestered.The rales fior the masurement of tomage berpin contalied shall mot make it mereasary to alter the present reghacred tomaga of any Ititish ship registered beturo this det rime mito operation: lont if the ow:er of any such ship desires to have tide same remeasured accoriling to such rules, he: may apply to the Commisain mers of 'instoms for the parpose, and wich commissioners shall therempon, and on payment of such reasomalla charge for the expersios of remeasurement, not excerding the subli of 7s. bol, for emelh transwerse section, as they may authotise, direst such remonsurment to be made, and such ship shall thereupon be remeasured? accoriluig to such rules as nforesaid, or accoriling to such of them as may be applicatio: and the manber denoting the reginter tomange wall be alteral accordingly: (Soce: *i.)

I'suer tor remeasure fingine Inoms improperly pertembed.-Il' it appears to the Commissioners of Customs that in any steam ship measurad before this Aet cmane into aperation store rooms ar conl buakers hava been introlneed into or thrown across the enghe rom, so that the inelaction from the tonnage on meeount of the engine roms ly larger than it ought to be, the said comminsjoners may, if they think tit, direct such engine room to ho measured according to the rules in force before this det eomes into operation, excluding the space ocenpied by such store rooms or eoal bumkers, or may; if the owners so devire. canse tho ship to be remeasured necorling to the rules hereinbefore rontained, and subjeet to the conlitions contaned in the last preeding wet inn ; and after remensurement the said commissioner.s shall canse the ship to be registered anew, or the registry thereot to be altered, at the case may require. (See. 2x.)

Officers may be appointed and Regulations made for Measurement of Ships,-Ihe Combinssioners of Customs may, with the sanction of the T'reasury, appoint such persons to superintend the survey and admeasurement of whips as they think fit: and may, with the approval of the loard of Trade, make such rogulations for that purpose as may be necessary; and also, with the like approval, make such moditications and alterations as from time to time becomo necessary, in the tommge rules hereby preseribed, in order to the more aceurate abl unitum application thereof, and the etlectual earrving ont of the principie of admeasmrement therein afonted. (Sec. 29.)
TOOLS ANB MACHINES. Under this designation are comprised all sorts of instrments employed to assist in the performance of any untertaking, from the rudest and simplest to the most improved and complex. But we only mention them here for the purpose of making one or two remarks on the restrictions to which the trade in them was till a comparatively recent period subjected.

Importation and Exportation of Torls and Ma-chines.-Tools and machines being instruments of protuction, it is obrionsly of the utmost insportance that they should be as much improved as possible; and hence the expediency of allowing their free importation. 'lheir exclusion, or the exclusion of the artieles of which they are mede, would obviously lay every branch of industry carricd on in a nation less advarced thati others in their manufacture, under the most sorious,
disadyantages. And supposing the implements it employel to be superior to those of other countries when the cxelusion took plate, the absence of forcigu competition, wat of the emulation which it inspires, wonld most probably, in a very short tinne, oecasion the loss of this superiority The injury azising from the prohibition of most other articles is comparatively iimited, affecting only the producers and conisumers of those that are prohibited. But a prohibition of machines strikes at the root of every species of industry: it is not injurions to one, or i few branches, but to ell.

The question whether the exportation of maehinery onght to be frec, is not so casy of solution. It is the duty of a nation to avail itself of every fair means for its own aggrandisement; and supiposing the machinery belongring to any particular people were decidedly superior to tinat employed by their neighbonrs, and that they had it in their power to preserve this all vantage, their generosity would certainly outrm their sease, were they to commonicate their improved machinery to others. We do not, however, believe that it is possible, whatever measures may be adopted in that view, for one country to monopolise, for myy considerable period, any material improvement in machioery or the arts : and on this ground we think that the former restraints on the exportation of machinery were wiscly abolished. Drawings and motels of all sorts of machines used in Manchester, Glasgow, and Birmiogham, were always to be found in most parts of the Continent; and at Romen, Paris, \&c., numbers of the best linglish workmen were emplowed in the manufacture of prohibited machines. And it did certainly appear not a little preposterous to prevent the exportation of a machine, at the same time that we allowed (it could not, indecd, be prevented) the free egress of the workmen by whom it was made. The etleet of this policy was not to secure a monopoly of improve il machines for the manulactures of lingrland, but to occasion the emigration of Euglish artizans to the Continent, and the extablishment there of machine manufactories under their superintendence. The prejulice that arose from this state of things to the interests of England, is too obvious to require being pointed out. It is plain, therefore, that sound plolicy dictated that the exportation of all sorts of machinery should be allowed on payment of a moderate duty. And this policy was at length adopte 1 in the Act 6 \& 7 Vict. c. 84 , which repealed the restraints previously imposed on the exportation of machinery. A policy of this sort affords a much more ethicient encouragenaent to our manufactures than they hitherto enjoyed; for while it lessens the tempt:ition to onir artizans to emigrate, it helps to make England the grand seat of the tool as well as of the cotton manufacture. The total declared value of the machincry and mill-work exported in 1807 amounted to $2,737,0571$., and that of tools and implements of industry, including agricnlthiral ( 154,4031 .), to $208,067 l$.
TOPAZ (Ger. topas; Fr. topaze; Ital. topazio; Span. topacio; Kinss. topas). The name topaz has been restricted hy M. Jen'y to the stones called by mineralogists Occidenial rnby, topaz, and sapphire; which, agreeing in their crystallisation and most of their pruperties, were arrangel muler one species by M. Romé de Lisle.

The word topas, derived from an islant in the Red Sea, where the ancients nsed to tind ropazes, was applied by then to a mineral very dillerent from ours. One varicty of our topaz they denominated Chrysolite. Colour, wine yelhow. From
paic wime yellow it passes into yellowish whi greenish white, momitain green, sky hate: fre deep wine vellow into flesh red and crimson te Sprecilic gravity from $3 \cdot 464$ to $3 \cdot 6 \cdot 11$. (Thomson (hemistry.)

- Yellow Toperz.-In speaking of the t"paz. fo a of a beatifinl yellow co'our $i$ ulways mude stood; it is rine reliow of ditlerent deprees intensity; and the fuller and deeper the ling the nore the stone is estecmed. In harlness yiclds to the spinclle. (Mawe On Diamonds.)
The ycllow staphire or oricntal topaz is very little value in commerce. (Emanad f) Diamonds $\& \cdot c$.)
'There are few gems more universal favourite than the yellow topaz, when perfect: the rid warm tone of its colour, the vivaeity of its listr (which it retains even by the side of the diamond) and its large size, compared with many others are characters which deservedly entitle it to distiustion; it hears accordingly a high price when of rood guality.
- It is chietly employed for necklaces. car-dom, bracelets \&c. in suit. No little skill and tante ant required in cutting and duly proportioning this gem; the table should be perfectiy symmetrien, and not too large; the bizel of sufficient depth, and the collet side shonld be formed in delicat steps. It works easily on the mill, and the midaries are in general tolerably woll acquainted wistl it ; yet it is macommon to meet withone well cut.
-The yellow topa: varies in price according to its beauty and perfection. A superlatively tine srone, pertect in colour and workmanship, sutio. ciontly large for an mumet, or any other ornament, Weitrling nearly 80 carats, was sold for 1001.
- Topazes have become more common siace cur intercourse witl llazail ; consequently they are less in demand, and lower in price. (Mawe on Diamouls.)

They are not now in vogue as they wereji years ago, and u fine stone can at present be had for a few shillings. (Emanuel On Diamonds.)
'PinkTopaz.-This is made from the brownish y cllow, which, when of intense colour, s pat inth the bowl of a cobacco pipe or small crucible, covered with ashes or sand; on the application of a low degrec of heat, it chauges its colour from a yellow to a beautiful pink. This is performed with little hazard; and if the edmar produced happens to be tinc, the price is nuct angmented.

Re:l Topaz.-This beautiful gem, which ver? seldom ocears naturally, is of a tine crimson colour, tinged with a rich brown; it is extremely rare, and generally taken to be a variety of ruhe. for wh.ch I lave seen it offered for salc. Its price. from its scarcity, is quite capricious; it has an exquisite pleas: 'g colour, very different from the glare of the arts cial pink topaz.

- Bluc Topaz.-It is also a beautiful gem. of a finc celestial blue colour. It has occurred of considerable magnitude; the innest specimea knorn. 1 brought in the rough from Brazil ; when cut and polished, it weighed about if oz. Smaller spm cimens are not uncommon, and when light-colourel are often taken for aqua-marinas, from which the: may always be distinguished by their prater weight and harlness \&c.

White Topaz-is familiarly called Minus Jord It is a beautifinl pellucid gem, and is used for bracelets, necklaces \&c. It possesses gratit brilliancy than crystal ; and from its harimess, has been ased to corer paste \&c., and to form: doublets.' (Mawe On Diamonds \&c., ?nd el. p. 108-112.)
passes into yellowish white, passes into seny blue : from to flesh red and crimson rol. n $3 \cdot 464$ to $3 \cdot 6 \cdot 11$. (Thomson's
-In speaking of the topraz a cellow co'our is ulways under. veliow of ditlerent degrees of filler and deeper the tuge is estecmed. In hardness it le, (Mawe On Diamonds.) phire or oriental topaz is of phire or oriental tophe\% is
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now in vogue as they wese fine stone can at present be had us. (Emannel On Diamands,) -This is made from the brownish hen of intense colour, is put inth cobacco pipe or sunall crucible, hes or sand; on the application c of leat, it changes its colou o a beantiful pink. This is perttle hazard; and if the colur ns to be fine, the price is muct
-This beautiful gem, which ver? naturally, is of a tine crimon ith a rich brown; it is extremely lly taken to be a variety of rubry, o seen it oflered for sale. Its price. $y$, is quite capricious; it has an cr colour, very different from the .ial pink topaz. - It is also a beantiful gem. of a ie colour. It has occurred of cortude ; the ninest specimea known, erough from Brazil; when cut and ighed nbout $1 \neq 07$. Smaller sp ncommon, and when light-colourel for aqua-marinas, from which the coratinguished by their greate Iness \&c.
-is familiarly called Minus Dora. il pellucid gem, and is nsed fion laces \&c. It possesses greater laces de. It from its hardues, to cover paste \&c., and to foml to cover On Diamonds $\& \cdot c$, Ind eh

TORTOISESHELI,
TORTOISESIIELL (Fr. écaille de tortue; Ital. scaglin di tartaruga; Ger, schildpatt; Malay, sisik kinaluith, The brown and yellow sciles of the Testudu imbricata, or tortoise, a native of the tropical seas. It is extensively used in the manufacture of eombs, snuff-boxes \&ec., and in inlaring and other ornamental werk.
The bust tortoiseshell is that of the Indium Avelipelago ; and the linest of thla quarter is abtained on the shores of the Spice Islands and Vew Guinea. Viedec the name East Indian, : mreat deal of inferior thell is imported, brourht from various parts of the Fast Indies. The gootHess of tortoiseshell depends mainly on the thickness and size of the seales, and in a smaller degree will the elearness and brilliancy of the colours. Before the opening of the British intercourse with India, the greater part of the tortoiseshel! which eveatudly found its way to Europe, was tirst cartied to Canton, which then formed the principal mart for the commodity. It is still an article of trade from that city; but the imports and exports are inconsiderable, Singapore being now the chief mart for thit, article. Its price at the latter varies from 750 and 900 , from 1,000 to 1,600 dollars per pienl, accord: 's' to quality, (Crawford's Indian Archipelago; Singapore Chronicle; Canton Register.)
Exclusive of $4,507 \mathrm{lb}$. of turtleshell, the innports of tortoiseshell in 1867 amoutited to 34,825 B., valued at $21,257 l$; and the re-exports to $20,50 \mathrm{ib}$., of the value of $10,5 \mathrm{i} 91$. Duty repealed in 1840.
TOYS (Ger, spielzeug, spielsachen; Duteli, speelgoed; Frr. jonets, bimbelots; Ital. trastulli; Span. dijes, jugnetes de uiños; luss. igrushki) include every trifling article made expressly for the amusement of children.
How frivolons soever these articles may appear in the estimation of superficial observers, their manufacture employs hundreds of hands, and gives bread to many families in Loudon, lirminghand $\& \mathrm{c}$. The greatness of the demand for them may be iuferred from the fact, that a mannfaeturer of glass beads, and articles of that description, has received a single order for j00l. worth of dolls' eyes. (Fourth Rrport, Artisans and Muchimery, p. 3:4.) Considerable fuantities are also imported from Holland; whieh supplies us with several sorts of wooden toys on more reasonable terms than we can allord to prodice them. But of late years these lave been made in greater abundance in England than fomerly:
In I866, the value of the foreign toys imported was $196,651 l$., and the value of the toys exported was $74,7 \pi 0 \%$. In 1853 the duty of 10 per cent. ad valorem was repealed, and subsequently the duty was repealech.
TR.LDL:. Under this head we annex two tables, the information in which was not available at the time the article Commeres passed throngh the press.
Account showing the Value of the Inports and Exports of the United States of America in 1867.


TRANSIT
1403
Account of the Total Vilue of Imports for Home Consumption info France und of Lirports of Domestice Prouluce of F'romee in 1807 and 1868 , and of the Value of Imports into and Erjorts of Bullion ard Suecie from Anstria in 18 isi ant 1868.

|  | 1stio | In6s |
| :---: | :---: | :---: |
| Francp. |  |  |
| Va'ue of importicentereal for home romsumption, ix spetere | $\underset{\substack{\text { franes } \\, 0265,514,001,}}{ }$ | finues $3.544,5 \% 2,000$ |
| Huhtun mul specictere: | \% $815,102,913$ |  |
| Total | $5.871,616,913$ | 5,0181, 59, 10.76 |
| Value of exports of domestle pro. |  |  |
| Hull on and sprecie : | $2,425,910,610$ $219,680, \times 30$ | $2,906,790,0100$ $3,94.25,999$ |
| Total | 3, $173,569,810^{-}$ | 3, $3055.515,199$ |
| Ausin |  |  |
| Vadue of Imports of lutlion antl | Anrins | florins |
|  | 21,115,610 | 30, 5tat |
| $\underline{\text { a }}$ a , fexports ofdo. | 11,293,4\%6 | 15,433,503 |

## [Commerce ; Imponts and Lixuonts.]

TLADE MARKS. In consequence of the frandulent use of names of well-known manufacturers or their recognised marks of merelandise for the purpose of vending spurious and inferior aticles, the Act $25 \& 26$ Viet. c. 88 was passed in 1862. For its provisions, see Copyright,
TRAGACAN'LIL. A species of gum the prodice of tho Astragalus Trugucanthn, a thorny shrub growing in L'ersia, Crete, and the islands of the Levant.
It exudes abont the end of June from the siem and larger branches, tull soon dies in the sun. It is inodorous; impressing a very slightly bitter tuste as it softens in the mouth. It has a whitish colour; is semitransparent; and in very thin, wrinkled, vermiform pieces; it is brittle, but not easily pulverised, except in frosty weather, or in a warmed mortar. It should be chosen in long twisted pieces, white, very clear, and free from all other colours; the brown, and particularly the black pieces, should be wholly rejected. (1)r. $\boldsymbol{A}$. I'. 'Homson's Dispensatory; Milburn's Orient. Com.) In 1866i, fi98 cwt. tragacanth were imported. Duty repealed in 1846.
'fRANSIT' The following are our existing customs regulations as to the treatment of goods in transit:-
(ioods for exportation in transit must be imported as merchandise, in packages of legal size and in vessels of legal tonnage; and must be so reported in the ship's inward report, which mast also specify the deseription of the goods.

The exporter is to enter into transhipment bond and pass a shipping bill, which should contain full particulars of the goods; he will then obtain an wrder tirr the delivery of the goods from the importing ressel, and a pricking note for the shipment on board the export vessel.

The goods, on delivery from the importing vessel, must be conveyed to the exporting vessel by licensed lightermen (unless the vessels be alongside, to the seareher on the station where the export vessel is lying, within 24 hours in London, and 12 hours at the ontports; otherwise the goods to be subject to a more extended examination), and in charge of an oflicer at the exporter's expicuse.

Tramshipments are not allowed to proced after dark (excepting permission of the inspector-gencral, in cuscs of real inecessity), nor to take place in the river below Deptford Creck.

In order that lighters may not be made thoating warchouses, spirits, wines, tea, and tobaceo must be shipped within three days, and other goods within six days from the time of delivery
from the importing vessel, but this time may lee extuded in case they have bean unavodably shut out.

The otlicers of customs may make an examimation suthicient to natisty themselves of the integrity of the transaction.

Goods which have been landed from the import ship, except they have been landed in the trinsit sheils, camnot be exported under tho tramshipment regulations. At ports where lighters are int in use, mad goods in transit. are meressarily conveyed by cart or van, a cart-follower must le sent in charge of the grools, at the exporter's expense.

Simples of such grools as are usuall sold by sample, in transit may be drawn by permisaiun of the snrveyor, and mider the supervision of the axamining othicer, either on board the import slip or alongside the import or export vessel, on payment (if dutiable groods) of the duty, if it exeeed is. in amount, but one sample ouly of each mark is nllowed to be taken.

Corn may be transhipped at ports to whieh the fencral trainshipment regulations do not extend, under similar referlations.

Transhipment of arms and ammonition, not allowed te the IBritish possessions in Amerien, the Mauritius, or Chape of Good Hoper

A chpliente shipping bill is to be furnished to the proper officer at the part at which goods may be entered for exportation, in transit to the British possessions.
These regulations are at present applicable only to the ports of London, Liverpool, llull, Soithampton, Glasgow, Goole, Grimsby, Newhaven, Poole, and Newcastle, but at the latter phace it is restricted to vessels lying alongside eath other.

The total valae of the articles tramshipped in $1860^{-1}$ is estimated in the Board of ' 'rade returns at $6,6 i 5,527 l$.

The following extract of a letter of March 7, 1867, of the Director-ieneral of Customs \&c., with relative statement, shows the rerulation adonted by France with regard to direct transit.

- The obligation of direct transit, stipulated in our various treat ies of commeree, has lost much of its importanee since the advantages of the Conventional Tarif have been extemed to the majority of the liuropean l'owers, and we are able at this moment to depart, without renl ineonvenience. from the rigonr of the laws established in this respect. Commencing from the time of the reecipt of this letter, the obligation of direct transit shall be applied, in the ease of merchamdise mentioned in the Conventional Tariff, only in the cane of those articles desiguated by mane ju the statement below.
- This special category of goots will also be frecd from the above restriction, whenever they have becu brought by lam, or by means of intermal mavigation fron the place of their origin t.) the place of their arrival in France, and have not been carrind by sea during any part of their transit.
'statement of the articles which remain subject to the obligation of direct transit, with the exception of importations from the country of origin into. France by land or by means of internal navigation without any sea transit.


## Sigar.

Molasses, not intended for distilhation.
skins, nuprepared.
Wool in mass.
1 Iorse-hair, unprepared, preparet, or crisped.
Wiax, unprepared.
direase, other than of fish.

## TREATIES (COMMERCL.IL)

Neouring from skins.
lhones and hoots of enttle, unpropared calcinated.
llorus of eattle, unprepared.
lice with the straw.
l'aste of Italy (mmenroni, varmitedlide.)
Jirnits for making oil.
lesins.
Anise, unripe.
Grains tor makiag oil.
Oil of every kind, not denominated.
Hoots, lierbs, tlowers, leavas, and bark, medicine, not denominated.
Cork of every kind.
byeing wool grounded.
Riushes and osiers.
Cotton plant.
Oleie arid.
l'otash.
'tartar, unprepared.
Carbonate of potash.
(Oil of schist, or petrolemm, retined.
Silk erape, plain, embroidered, or worked.' ThEATIES (COMMERCIAL). Hy a em. mercinl treaty is meant a treuty between tw indepeudent nations, for facilitating, and mos commonly, also, regulating the commerce carriel on between them.
Origin, Objects, and Poliryof modern Commercint 7reaties,-During the middle ages, and donn, imped, to a comparatively reeent period, forcights resilent in a country, whether for commercial or other purposes, were, for the most part, subject to ver: harsh treatmeut. At one time, it was asal in England to make uliens liable for the debtand crimes of each other; and the practice, formen! so common, of laying heavier duties on the pows imported and exported by aliens than by Britisd subjeets, iv not even yet, we grieve to say, aitogether abandoned. In France, and some ther countries, curing the 14th and loth centuries, stranger was incapable of bequeathing property by will; and the whole of his personal as well is real estate, feil, at his death, to the king or the lorl of the barony. This barbarous law was known by the name of Droit d'A ulotine, and wa not completely abolished in France till a very late period. (liobertson's Charles $I^{-}$, vol, i, mote *2, l'reviously to last eentury, the laws with respect to shipwreek, though intinitely more humane than they liad been at a more remote period, mere calculated rather to promote the interest of the sovereign of the comitry, or the feudal lorls o whose territories shipwreeked vessels might he thrown, than those of the unfortumate owaers or survivors. [Wneck.] The practice of coativa ting shipwrecked property continued in Frace till 1681 , when it was abolished by an ediet of Louis XlV. It was at one time common in Germany, to use the words of M. Houchaul. 'peur les prédieateurs de prier Dieu en ehaire, quils fasse bien des naufrages sur leurs côtes!' (Tharit des Traites de Commerce, p. 118.) Anl the fach that the celebrated jurist Thomasins wrote dissertation in defence of such pravers, affiods if posaible, a still more striking proof of the spint of the period. The most serious obstacles were then, also, opposed, by the prevalent insecurity, and the arbitrary nature of the tolls which the lind were in the habit of exneting, to the transit commodities through the territories of ons sate to those of another.

Tinder such circunstances, it became of muat importance for commercial states to endeavor tin obtain, by means of treaties, that protection and security for the persons and properties of their suljeets, when abroad, agaiast uujust trailuent
caroni, vermicelli de.) ; oil.
gi inl.
not denominated. wers, leavas, whil lark, for lenominated.
nd.
sundel
$\%$
red.
taxh.
petroleum, retined.
1, embroitered, or workel.'
OMMERCLAL). liy a cur. meant a treaty between two ons, for facilitating, and mort "gulating the commerce cartiod
, and Policyof modern Commerrial g the midile ages, and donn, aratively recent perivil, foreignets aratively hether for conmercial or rere, for the most part, subjeet to meut. At one time, it was usal ake aliens liable fior the delts and ake an; and the practice, formely ying heavier duties on the meds ported by aliens than by Britid even yet, we grieve to say, altoed. In France, and some ther of the 14th and 15th centuries, ncapable of bequeathing propery e whole of his personal ns wel is at his death, to the king of the rony. of Droit d'A Athime, anl wa abolished in France till a very late abolished charles I', vol. i, note ent est century, the havs with reppen lough intinitely more humane than at a more remote period, mite er to promote the intcrest of the e country', or the feudal lords ou es shipwrecked ressels might te hose of the unfortumate ouncrss or nack.] The practice of confisoed property continued in Yrame it was abolished by an elite a It way at one time common in de prieds of M. Bouchaad. ${ }^{2}$ ine
 Commeree, p. 118.) And the fish rated jurist Thomasill wrole a defence of such prayers, aflords if more striking proof of the spin: of ie most serious obstacles were then by the prevalent insecurity, and haiure of the tolls which the lund abit of exacting, to the trinkin hrough the territories of one shat ther.
circumstances, it became of mad commercial states to cndearwat ${ }^{\text {w }}$ fus of treatics, that protection am: o persuns and properties of their abroad, agniust uyjust tratumet

## TREATIES (COMMERCIAL)

1405
nad vesations exactiona which they could not have obtained from the laws of the co'rtries in which they might happen to reside. Thus, it whs stipulated ly Ldward 11., in 1325, that the merchants and mariners of Venice should have puwer to come to Enginnd for 10 years, with bilurty to sell their merchandise and to return lum" in safety, "without having cither their persons ur genels stoppued on aceount of other prople's crimes ar debts.' (Anderson, anno 132j.) 'The commercial treaties negotiated during the listh, 16th, and tith eenturies, are full of similar conditions ; and there can be no doubt that by jroviding for the security of merchants and scamen when abrad, and suspending, with respect to them, the harbarons laws and practices then in foree, they contributed materially to accelerate the progress femmeree and civilisation.
Commercinl treatics were also negotiated at a very early period for the regulation of neutral eomatered during war ; and for defining the articles that should be deemed contraband, or which it should not he lawful for neutral ships to convey or carry to either belligerent. These are obvionsly points that can only be decided by e..press stipulations. There is a good collection of treaties as to this print, in the appendix to the excellent work of Lampredi, Del Commercio de' Popoli Situtruli. [Contraband.]
lastead, however, of confining commercial treaties to their legitimate and proper purposes-the seurity of merehants and navigators, and the facility of commercial transactions-they very sown began to be employed as engines for promuting the commerce of one country at the exlease of another. For more than two centuries, those eugaged in framing commercial treacies have ןrincipally employed themselves to secure, either ly force or address, some exclusive advantage in favour of the ships and products of their particular countries. Hence these compacts are full of regulations as to the duties to be charged on certain articles, and the privileges to be enjured by certain ships, according as they were either produced by or belonged to particular countries, It was in the adjustment of these duties and regulations that the skill of the negrotiator was ehiefly put to the test. It was espected that he should be thoroughly acquainted with thet state of every brauch of industry, both in his own couatry and in the country with which he was negotiating; and he was to endeavour so to adjust the tariff of duties, that those branches in which his own country was deficient might be leselited, and those in which the other was superior might be depressed. The idea of conducing a negotiation of this sort on a fair principle of reciprocity is of very late origin : success in circumveating, in over-roaching, or in extorting from fear or ignorance some oppressive, but at the same time worthless privilege, was long esteemed the only proof of superior talent in negotiators.
In an able tract, attributed to Mr. Eden, afterwards Lord Auckland, published in 1787 (Historical and Political Remarks on the Tariff of the French Treaty), there is the following onthine of the qualitientions necessary to the negotiator of a comaercial treaty: 'Besides a gencral knowledge of the trade and reciprocal interests of the contractiag parties, he ought to be precisely ne"mainted with their several sinds of industry ant skill, to discover their wanis, to calculate their resources, and to weiga with nicety the state of their fiaances, and the proportionate interest of their money : nay, further, he should be able to ascertain the comparative pepulation and strength
quality hoth of first materials, and aiso of the labour bestowed upon them: for this purpose he should enguire into the orerations of every class of merchants and manufacturers concerned in the trade; should consult their expectations on each of its severnl branches; and collect their hopes nad fears on the effeet of such a conmercial revolution on the competition of rival nationa. A foosl treaty of commerce, independent of the art of negotiation, is pronomeed, by one who well knew the extent and diffieulty of the suljeet, to be a " masterpiere af skill.", (1'. 10.)

Had Mr. Eiden concluding by statiog, that no individual, or number of individuals, ever possessed, or ever would possess, the varions qualitications which in his estimation were reguired in negotiating a 'good commereial treaty,' he would only have affirmel what is most certainly true. We believe, however, that he had formed a totally: false estimate, not only of the qualitications of in negotiator, but of the objeets he ought to have in view It was the opinion of the Abbe Mably (Droit public de l'Furope, tome ii. p. 561), an opinion in which we are disposed, with very little moditication, to concur, that when a few general rules are agreed upon for the effectoal security of trade and navigation, inchuding the importation and exportation of all commodities not prolibited by law; the speedy adjustment of disputes; the regulations of pilotage, harbour and lighthonse duties; the protection of the property and effects of merchants in the event of a rupture \&e.; all is done that ought to be attempted in a commercial treaty. It may, indeed, be properly stipulated that the groots of the contracting powers shall be admitted into cach other's ports on the same terms as 'those of the most favoured nations, that is, that no higher duties shall be charged upon thens than on those of others. But here stipulation ought to cease. It is an a!use and a perversion of commercial treaties, to make them instruments. for regulating duties or preseribing custom-house regulations.

We admit, indeed, that oceasions may oceur. in which it may be expedient to stipulate for a reduction of dutics or an abolition of prohibitions on the one side, in return for similar e neessions on the other. But all arrangements of this sort shonld be determined by a convention limited to that particular object; and a fixed and not very distant term should be specified, when the obligntion in the convention shonhle expire, and both parties be at liberty to eontinue or abandon the regulations agreed upon. Generally speaking. all treaties which determine what the duties on importation or exportation suall be, or which stipulate for preferences, are radically objectionable. Nations ought to regulate their tariffs in whatever mode they judge best for the promotion of their own interests, without being shackled by engagements with others. If foreign powers be all treated alike, none of them has just grounds of complaint; and it can rarely be for the interest of any people to show preferences to one over another. Those, for example, by whom we may be most advantareuusly supplied with foreign products, require no preterences; and if we exelude them, or give a preference to ot crs, we incontestat)? injure ourselves: and yet 19 out of 20 of the regtlations as to duties in ecmmercial treaties have been founded on this preposterous prineiple. They have been employed to divert trade into channels where it would not naturally flow; that is, to render it less secure and less protitable than it would otherwise have been.
A great deal of stress hats usually been laid upon the advantages supposed to be derived from the
privileges sometimes conceaed in commercinl traties. But we believe that those who anguire into the sulyject will find that such concessions lanve, in every case, been not only injurions to the party making them, but also to the part $y$ in whose livour they have been made. The fanous eommercinl treaty with Portugal, negotiated by Mr. Netinnen in 1703, wns nimost mirersally regarded, for a very long period, as atmirably calculated to promote the interests of this country; but it is now generally ndmitted, by every one who lus retlected upon such subjects, that few transnctions have taken plnce by which these interests have been more deeply injured. It stipulated for the tree ndmission of British woollens into Portugnl, from which they happened, at the time, to be excluded; but in return for this concession-a conaession far more advantageous to the Portuguese than to us-we bomd ourselves 'for ever hereafter' to admit wines of the growth of Portugal into (ireat Britain nt ${ }_{3}$ of the dut" payable on the wines of France. Thus, in order to open an access for our woollens to the limited market of Portugnl, we consented, in all time to come, to a lrink inferior wine, bought at a comparatively high price. [Wint:] This, however, wasnot all. By excluding one of the principal equivalents the French had to offer for our commodities, we necessarily lessened their ability to deal with us; at the sane time that we provoked them to ndopt retaliatory measures against our trade. It is owing more to the stipulations in the Methnen treaty than to anything else, that the trade between England and France-a trade that would naturally be of vast extent and importance-has so long been contined within comparatively narrow limits.

It is visionary to imagine that any nation will ever continue to grant to another any exclasive advantage in her markets, nuless she obtain what she reckons an equivalent advantage in the markets of the other. And if a commercial treaty stipulating for an exclusive privilege be really nuid bona fide observed by the country granting the privilege, we may be sure that the concessions made by the country in whose favour it is granted are sufficient fully to countervail it. Those who srasp at exclusive privileges in matters of this sort, or who attempt to extort valnable concessions from the weakness or ignorance of their neighbours, are uniformly defeated in their object. All really beneficial commercial transactions are bottomed on a fair principle of reciprocity ; and that nation will always flourish most, and have the fonndations of her prosperity best secured, who is a universal merchant, and deals with all the world on the same fair and liberal principles.

The justness of these principles, we are glad to observe, is now beginning to be very generally admitted. Stipulations as to duties nind Customhouse regulations are disajpueariner from commercial treaties ; and it is to be hoped that at no distant period every trace of them may have vanished.

A good work on the principles, style, and history of commercial treaties is a desideratum. The best we have seen are Mascovius De Faderibus Commerciorum, 4to. Leipsic, 1735 ; nnd Bouchand, Théorie des Traités de Commerce. 12 mo . 'aris, 1777. But these are principally works of erudition, and were written before the sound principles of commercial policy had been umfolded. 'Ihere is no good collection of commercial treaties in the English language; but Mr. Hertslet's work is valuabie, as containing the recent treaties in an acessible form.

We subjoin copies of or references to the principal
commercial treaties and conventions existing this noment between Grent Britnin and oth powers, viz. Ahgentine Rervelic, Austm
 HaNse Towns, ltahy, Mexico, Moiode



## Aboentine lielublic.

Treaty of Amity, Commerce, and Nusigation b tween his Majesty and the United Provinces Rio de la Platu. (Feb. 2, 1825.)
Article 1. There shall be perpetunl amity b tween the dominions and subjects of his Mnjest the King of the United Kingdom of Great Brita and Ireland, and the United Provinces of Rio la Plata and their inhabitants.
2. There shall be, between all the territories his Britannic Majesty in Europe and the territori of the United Provinces of Rio de la Plata, a re ciprocal freedom of commerce; the inhabitants the two countries, respectively; shall have lihen freely and securcly to come, with their ships an cargoes, to all such places, ports, and rivers in th territories aforesnid, to which other foreigners ar or may be permitted to come, to enter into thi same, nnd to remain and reside in any part of th said territories respectively ; also to hire aad oc cupy houses and warehouses for the purposes their commeree ; and geuerally, the merchants and traders of each nation respectively shall enjor tho most complete protection and security for their commeree, subject always to the laws and statutes of the two countries respectively.
3. Ilis Majesty the King of the United King. dom of Great Britain and Ireland engages farthe, that in all lis dominions situated out of Europe the inhabitants of the United Provinces of Rio de la Plata shall have the like liberty of commerce and navigation stipulated for in the preceling article, to the full extent in which the same is permitted at present, or shall be permitted hereafter, to any other nation.
4. No higher or other duties shall be imposel on the importation into the territories of his Britamic Majesty, of any articles of the growth, produce, or manufacture of the United Provinees of Rio de la Plats, and no higher or other duties shall be imposed on the importation into the said United Provinces, of any articles of the growth, produce, or manufacture of his Britannic Majestr's dominions, than are or shall be payable on the like articles, being the growth, prodice, or marnture of any other foreign country ; nor shall ans other or higher duties or charges be imposed, in the territories or dominions of either of the contracting parties, on the exportation of any articles to the territories or dominions of the other, than such as are or mny be payable on the exportation of the like articles to any other foreign country; nor shall any prohibition be imposed upon the expretation or importation of any articles the gre ch, produce, or manufacture of his Britandia Majesty's dominions, or of the ssid United Provinces, which shall not equally extend to allother nations.
5. No higher or other duties or charges on ac count of tonnnge, light, or harbour dues, pilotage salvage in case of clamage or shipwreck, or any other local charges, shall be imposed, in any (f) the ports of the saidl United Provinces, on Britist vessels of the burden of above 120 tons, thay those payable in the same ports by vessels of thf said United Provinces of the same burden, nor is the ports of any of bis Britannic Msjesty's terri teries on the vessels of the United Provinewi
ad conventions existing at Great Britain and other tese Repubic, Austha, T:NE KH, luance, (IIRELCE, aly, Mexico, Moroce asia, Pbilv, Pohtegat., , Siam. Tとhkey, United AND ZOLLVERELS.

INE LENUBLIC. mmerce, and Narigation beand the United Provinces of (keb. 2, 1825.)
shall be perpetual amity beshand subjects of his Majesty ted Kingdom of Great Britaia - United Provinces of Riu de habitants. between all the territories of ty in Europe and the territories inces of Rio de la Plata, a recommerce ; the inhabitants of respectively, shall have libert! to come, with their ships nond jlaces, jorts, and rivers in the 1, to which other foreigners are ed to come, to enter into the in and reside in any part of the pectively; also to hire and ocvarchouses for the purposes of and generally, the merchants a nation respectively shall enjoy protection and security for their ; always to the laws and statutes cir repectively;
the King of the United Kingtain and Ireland engages further, ninions situated out of Europe f the United Provinces of Riode ve the like liberty of commerce stipulated for in the preceding Il extent in which the some is sent, or sball be permitted hereer nation. or other dutics shall be imposec cien into the territeries of his ty, of any articles of the growth, ufacture of the United Provinces ta, and no higher or other duties on the importation into the sad es, of any articles of the growth, Lfacture of his Britannic Majestr's are or shall be payable on the ng the growth, produce, or marar forcign country; nor shall any duties or cluarges be imposed, in $r$ dominions of either of the conon the exportation of sny articles or dominions of the ether, than les to any other foreign country; prohibition be imposed npoa the importation of any articles the , or manufacture of his Britanni nions, or of the said United Pro hall not equally extend to all other
or other dutics or charges on $a C$ ge, light, or harbour dues, pilotage. e of danage or shipwreck, or any arges, shall be imposed, in any of e said United Provinces, on British burden of above 120 tons, thain in the same ports by vessels of in in hy of his Britannic Msjesty's temivessels of the United Prorinces of
nhave $1: 0$ tons, than slanll be paymble, in the sume ports, on British yessels of the same burden. 6. 'lhe sane duties shall be paid on the importation into the sain United Provinees of any article the growth, protuce, or mannfacture of his Britannic Majesty's dominions, whether such innportation shall be in vessels of the said United Provinces, or in Ibritish vessels; and the sume duties slatl be paid an the importation into the dominions of his Britannic Majesty of any article the growth, produce, or manufactiure of the said l'uites. l'rovinces, whether such importation shall be in Iritish vessels, or in vessels of the sain l'nited Provinces; the same duties shall le paid, and the same drawbacks and bounties allowed on the exportation of any artieles of the frowth, pudnce, or manufneture of his Britannic Najesty's dominions to the said United Irovinces, whetlier such expertation shall be in vessels of the said Luited Irovinces, or in Britisln vessels; and the same duties shall be paid, and the same drawbacks and bounties allowed on the exportation of any articles the growth, produce, or manufacture of the said United Provinces to his Britannic Mat isty's dominions, whether such exportation shall be in British vessels or in vessels of tho said United Prowinees.
i. In orier to avoid any misunderstanding with replect to the regulations which may respectively culstitate a british vessel or a vessel of the said Tnited Provinces, it is hereby agreed, that all risisels built in the dominions of his Britannic Hajesty, and owned, navigated, and registered aceording to the laws of Great Britain, shall be considered as British vessels ; and that all vessels built in the territorics of the said United Prorinkes, properly registered, and owned by the ditizens thereof, or any of them, and whereof the master and threc-fourths of the mariners, at least, are citizens of the said United Provinces, shall be considered as vessels of the United Provinces.
8. All merchants, commanders of ships, and athers, the subjects of his Britannic Majesty, shall have the same liberty in all the territories of the said United Provinces as the natives therenf, to manage their own affairs themselves, or to commit them to the management of whonsoever they please, as broker, factor, agent, or interpreter; nor shall they be obliged to employ any other persons for those purposes, nor to pay them any salary or remuneration, unless they shall diose to employ them; and absolute freedom shall be allowed in all cases to the buyer and seller to bargain and fix the price of any goods imported into or exported from the said Unitel Provinces, as they shall see good.
2. In whatever relates to the lading and unlading of ships, the safety of merchandise, goods, and effects, the disposal of property of every sort and denomination, by sale, douation, or exchange, or in any other manner whatsocver, as also the administration of justice, the subjects nad citizens of the two contracting parties shall .enjoy, in their respective dominions, the same privileges, liberties, and rights as the most favoured nation, and shall not be charged in any of these respects with any other duties or imposts than those which are paid or may be paid by the native suljects or citizens of the power in whose domilions they may be resideut. They shall be exempted from all compulsory military service whatsoever, whether by sea or land, and from all fureel loans, or military exactions or requisitions; neither shall they be compelled to pay any ordinary taxes, under any pretext whatsoever, preater than those that are paid by native subjects or citizcas.
10. It slall be free fir sach of the two centracting parties to appoint consuls for the protection of trade, to reside in the dominions and territories of the other party; but before any consul shall act as such, he slanll, in the namal form, be approved and admitted by the Government to which he is sent; and either of the contracting parties may except from the residence of consuls such paricular places as cither of them may juilge fit to be so excepted.
11. For the hetter security of commeree betwern the subjects of his Britanic Majesty and the inhabitants of the United Provinees of liio de la Plata, it is ngreed, that if at any time my interruption of friendly commercial intercourse, or any. rupture, should unfortusately take place between the two contracting parties, the suljects or citizens of either of the two contracting parties residing in the dominions of the ether shall have the privilege of remaining and continuing their trate therein without any manner of interruption, so long as they behave peaceably and commit no offence against the laws ; and their effects and property, whether intrustel to individuals or to the state, shall not be liable to seizure or sequestration, or to any other demands than those which may be mate upon the like effects or property. belonging to the native inlabitants of the state in which such subjects or citizens may reside.
12. The subjects of his Britanic Majesty residing in the United Provinces of Rio de la Plata shall not be disturbed, persecuted, or annoyed on account of their religion, but they shall have perfect liberty of conscience therein, and to celebrate divine service cither within their own private houses, or in their own particular churehes or chapels, which they shall be at liberty to build and maintain in convenient places, approved of by the Government of the said Unitel I'rovinees: liberty shall also be grauted to bury the subjects of his Britaunic Majesty who may dic in the territories of the said United Provinces in their own burial places, which, in the same manner, they may freely establish and maintain. In the like mawner, the citizens of the said United Provinces shall enjoy, within all the dominiens of his Britannic Majesty, a perfect and unrestrained liberty of conscience, and of exercising thair religion publiely or privately, within their own dwelling-houses, or in the chapels and places of worship appointed for that purpose, agrecably to the system of toleration established in the dominions of his said Majesty.
13. It shall be free for the subjects of his Britannic Majesty residing in the United Provinces of Rio de la Plata, to dispose of their property, of every description, by will or testament, as they may julge fit ; and in the event of any British subject dying witheut such will or testament in the territorics of the United Provinces, the British consul-general, or, in his absence, his representative, shall have the right to nominate curators to take charge of the property of the deceased for the benefit of his lawful heirs and creditors, without interference, giving convenient notice thereof to the authorities of the country; and reciprocally.
14. His Britannic Majesty being extremely desirons of totally abolishing the slave trade, the United Provinees of Rio de la I'lata engage to co-uperate with his Britannic Majesty, for the completion of so beneficent a work, and to prohibit all persons inhabiting within the suid United I'rovinces, or subject .o their juristiction, in the most effectual manner, and by the minst solemn laws, from taking any share in such trade.
15. The present treaty shall be ratitied, and the ratification shall be exehanged in London withln 4 months, or sooner, if possible.

In witness whereof, the respective plenipotentiaries have signed the same, and have affixed their seals therennto.

Done at Buenos Ayres, the 2nd day of February, in the year of our Lord 18:5.

Woodnine Paimsit, 11.M. Consul-General.
Manl. J. Garcha.
An orter in council, dated Sentember 3, 18:7. orders that vessels of the United lrovinces of Rio de la Plata entering the ports of the United Kingdom of Great Britain and Ireland, in ballast, or laden direct from any of the ports of Jio de la Plata, or departing from the ports of the said United Kingdom, together with the cargoes on board the same, such cargoes consisting of articles which may be legally imported or exported, shall not be subject to any other or higher duties or charges whatever than are or shall be levied on British vessels entering or leparting from such ports; or on similar articles when imported into or exported from such ports in Jritish vessels; and also such articles, when exported from the said ports in vessels of the United Provinces of Rio de la Plata, respectively, shall be entitled to the same bounties, drawbacks, and nllowances that are granted on similar articles when exported in 13ritish vessels.

Local Dues.-Provided nevertheless, that nothing herein shall extend to any dutics or charges on necount of tonnage, light or harbour dues, pilotage, salvage in case of damage or shipwreck, or any other local charges to which any vessels of the United Provinces of Rio de la Plata, of the burden of 120 tons, or of any less burden, are now by law liable in the ports of any of his Majesty's dominions; it appearing to his Majesty and his privy council, that British vessels of the burden of 120 tons, or of any less burden, are subject in the ports of the said United I'rovinces to higher duties and charges than are levied in those ports on vessels of the said United Provinces of the burden of 120 tons, or of any less burden.

## Austria.

Treaty of Amity, Commerce, and Navigation betureen her Britannic Majesty and the Fimperor of Austria. Signed at Vienna, July 3, 1838.
Artiele 1. From the date of the ratification of this present treaty, British vessels arriving in or departing from the ports of his Majesty the Vmperor of Austria, and Austrian vessels arriving in or departing from the ports of the United Kingdom of Great Britain and Ireland, and those of all the possessions of her Britamic Majesty, shall be subject to no other or higher duties or charges. of whatsoever nature they may be, than those which are actually or may hereafter be imposed on national vessels, on their entering into or departing from such ports respectively.
2. All productions of the soil, industry, and art of the states and possessions of his Majesty the Emperor of Austria, including the said productions which may be exported through the northern ontlet of the lilbe, and the eastern nutlet of the Danube, and which muy be imported into the ports of the United Kingdom and the possessions of her Britannic Majesty; and also all the productions of the soil, industry, and art of the United Kingdom and possessions of her Britannic Majesty, which may be imported into the ports of his Majesty the Emperor of Anstria, shall enjoy reciproenily, in all respects, the same privi-
eges and immunities, and may be importol an exported exactly in the same manner, in ressel of the one as in ressels of the other of the high contracting partles.
3. All commodities which are not the productions of the soil, industry, and art of the two respective states or their possessions, and which may be legally imported from the ports of Alatria, ineluting those of the Danube, into the ports of the United Kinglom of Great Britain and Ireland, of Malta, and Gibraltar, and other prissessious of her Britannic Majesty, in Austrian vessels, shall be strhject to the same duties only which would be paid on the same articles, if they were imported In British vessels.
Her Britannic Majesty extends by this treaty to Austrian navigation and trade, the full benctios of the two British Aets of Parliament passed oa the 28th of August, 1833, regulating the trade and navigation of the United Kingdom and Jritish possessions, ns well as all other privileges of commerce and nevigation now enjoyed, on to be hereafter granted, by existing laws, by orders in council, or by treaties to the most favoured nations.
4. All Austrian vessels arriving from the ports of the Danube, as far as Galaez inclusively, shall, together with eargoes, be admitted into the ports of the United Kingdom of Great Britain and Ireland, and of all the possessions of her Britannic Majesty exactly in the same marner as if such vessels came direct from Austrian ports. with all the privileges and immunities stipulatel by the present treaty of navigation and commerce. In like manner, all British vessels, with their eargocs, shall continue to be placed upon the same footing as Austrian vessels, whenever such British vessels shall enter into or denart from the same ports.
5. In consideration of British vessels, arriving direct from other countries than those beloagin: to the high contracting parties, being admitted with their cargoes into Austrian ports, without paying any other duties whaterer than those paid by Austrian vessels, so also the prodactions of the soil and industry of the parts of Asia or Africa situated within the Straits of Gibraltar. which shall have been brought into the perts of Austria, may be re-exported from thence in Austrian vessels directly into British ports, in the same manner, and with the same privileges, as to all manner of duties and immunities, as if these productions were imported from Austrian ports in British vessels.
6. All commodities and articles of commerce which, according to the stipulations of the present treaty, or by the existing laws and ordinances of the respective states, may be legally imported into or exported from the states and possessions of the two high contracting parties, whether under the British or the Austrian flag, shall in like manner be subject to the same duties, whether imported by national vessels or by those of the other state; and upon all commodities and articles of commeree which may be legally exported from ports of either state, the same premiums, drawbacks, and arlvantages shall be accorded, whether they are exported by the vessels of the one or by those of the other state.
7. All commodities and articles of commetce which shall be imported, placed in depôt, or warehoused in the ports of the states and possessions of the two high contracting parties, so long as they shall remain in depot or warehouse, and shall not be used for internal consumptioa, shall be subject, upon re-exportation, to the same treasment and duties, whether that re-exportation
and may le imported and same manner, in ressely of the other of the ligh
which are not the produeustry, and art of the two heir possessions, and which ed from the ports of Ausf the Danube, into the ports lom of Great Britain and 1 (iibraltar, and other pris. nnic Majesty, in Austrian et to the saine duties only on the same articles, if they ish vessels.
jesty extends by this treaty $11)$ and trade, the full benetios cts of Parliament passed on , 1833, regulating the trade the United Kingdom and ts well as all other privileges onvigation now enjoyed, or mted, by existing taws, by or by treaties to the most
essels arriving from the ports r as Galacz inclusively, shall, es, be admitted into the ports Igdom of Great Britain and he possessions of her Britar$y$ in the same marner as if direct from Austrian ports. ges and immunities stipulated y of navigation and commerce. Il British vessels, with their inue to be placed upon the ustrian vessels, whenever such 11 enter into or depart from the
ion of British yessels, arriving eountries than those belongin: 'acting parties, being sdmitted into Austrian ports, without duties whate;er than those vessels, so also the productions dustry of the parts of Asia or ithin the Straits of Gibraltar, been brought into the ports of re-exported from thence in irectly into British ports, in the with the same privileges, as to ies and immunities, as if these imported from Austrian ports in
ities and articles of commerce to the stipulations of the present xisting laws and ordiaances of tes, may be legally imported into the states and possessions of the ting parties, whether under the trian flag, shall in like mannet same daties, whether imported ls or by those of the other state; mmodities and articles of combe legally exported from ports the same premiums, drawbacks. shall be accorded, whether they he vessels of the one or by those
lities and articles of comnerce iported, placed in depôt, or warerts of the states and possessions contracting parties, so long as in in depôt or warehouse, and for internal consumption, shall re-exportation, to the same treatwhether that re-exportation
shall be made in the vessels of the one or in those of the other state.
8. No priority or preference shall be given, directly or indirectly, by the Government of either country, or by nay company or corporation, or agent acting on its behalf or under its authority, in the purchase of any article the production of the soil, industry, or art of either of the two states and their possessions, imported into the purts of the other, on acconnt of the mationality of the vessel in which such artich's may bo inported; it being the true intent and meaniag of the high contracting parties that no difference or distinction whatever shall be made in this respect.
9. In regard to the commeree to be carried on in Austrian vessels with the IItitish possessions in the East Iudies, her IBritannic Majesty conyents to grant the same facilities and privileges to the subjects of his Imperial and Royal $\lambda$ potolic Majesty as aro or may be enjoyed under any treaty or Act of Parliament by the subjects or citizens of the most favoured nations; subject to the laws, rules, regulations, and restrictions which are or may become applicable to the vessels and subjects of any other foreign country enjoying the like advantages and privileges of trading with the said possessions.
10. J'he present treaty does not include the ravigation and carrying trade between one port and another, situated in the dominions of one contracting party, by the vessels of the other, as far as regards the carrying of passengers, commodities, and articles of commerce; this navigation and transport being reserved to national vessels.
11. The vessels and subjects of the high contracting parties shall, by the present treaty, enjoy reciprocally all tho advantages, immunities, and privileges, within the ports of their respective stales and possessions, which are now enjoyed by the navigation and commerce of the most favoured nations; the eflect liereof being to secure, in the United Kingdom and British possessions, to Austrian vessels and subjects, the full and entire adisantares of navigation and commerec allowed by the Navigation Act passed in London on the ?sth of August, 1833, and by another Aet of the sanic date, regralating the trade of the lbritish pussessiuas abroad; or which may be accorded by inders in council or by treaty to other powers; and in like manner British vessels and subjects Aall enjoy, in the ports of the states and possessions of his Inperial and Royal Apostolic Majesty, the full and entire advantages of vavigation and commerce granted by existing laws, regulations, and ordinances, or by treaty, to forcish powers; and her Majesty the Queen of the Unitel Kingdom of Great Britain and Ireland, and his Imperial aud Royal Apostolic Majesty, engage reciprocally not to grant any tavours, privileges, or immunities whatsocver, in matters of commerce and navigation, to the subjeets of any other state, which shall not be also at the same time extended to the subjects of the we of of the other of the high eontracting paries, gratuitonsly if the concession in favour of the other state shall have been pratuitous, or upon giving as nearly as possible the same compensation or equivalent in case the concession shail have been conditional.
It. The dause of Article VII, of the consention conchuded at l'aris on the 5th Novenher, 1815 , between the courts of Great Mritain, Austra, lrossia, and liussia, relative to the commerce between the states of his Imperial and hoyat Apostolic Majesty and the Unitel States of the lonian Islade, shall remain m ferce.
13. The present treaty, after being signed and ratilied, shall replace the convention of navigation and eommerce concluted the elst December, 1829, in London, between the Governments of his Britamic Majesty and of his Imperial and Itoval Apostolic Majesty : and shall continue in force until the 31st of December, 18.18 ; and finther. until the expirntion of 12 months after one of the high contracting parties shall have notitied to the other the intention to terminate its cluration. It is further agreed that in 12 months after one of the high contracting purties has received from the other such notitication, this treaty, and alt the stipulations it contains, shall cease to be obligatory upon either party.
14. The present treaty shall be ratitied, and the: ratitiontions exchanged at Viema, in the space of one month, or sooner if possible.

In winness whereof \&c. plenipotentaries have sigued the same, and bave atlixed thereto the seats of their arms.

Done at Vioma the 3rd dity of July; in the year of our Lord 1838.

Frbabial James Lamb.
Metteninich.
Declaration signed by the respective Plenipotentiaries on the conclusion of the prccediug T'reaty.
With a view to prevent beforehned atl doubt whict might herenfter arise with regard to the true sense of the expressions contained in the treaty of commerce and navigation signed this day between the plenipotentiaries of her Mijesty the Queen of the United Kingdom of Great Britain and Ireland, and of his Majesty the Emperor of Austrin, King of Ilungary and İohemia, the ligh contracting parties lave agreed, by eommon consent, that the l'rench text of the said treaty shall be eonsidered by the Austrian Government as the original text.

In witness whereof the present decharation has been done in duplicate, and signed by the respec:tive plenipotentiaries.

Vienna, 3rd July, 1838.
Fuederic James Lamu.
Metrencicif.
Deslaration made by the Plenipotentiary oft her
Britunnic Majesty ou the Exrchange of the Ratifications of the preceding Treaty.
In proceeding to the exchange of the ratilications of the treaty of commerce and navigation between her Majesty the Queen of the United Kingdom ot Grent Britnin and Ireland and his Majesty the Emperor of Anstria, King of Hungary and Bhhemia, concluded and signed at Vienna on the Brd of July, 1838 , the undersigned plenipotentiary of her Britanaic Majesty is commanded by: her Majesty to explain and declare :-

1. That in the preamble of the said treaty, the words 'the commercial relations of their respective states and possessions' shall be understood to mean 'the commercial relations between their respective states and possessions, the latter form if words being that adopted in the preamble of the consention of commeree between Great Hritai!l and Anstria signed at London, December $21,180^{3} 3$.
2. That the stipulations of the third article of the aloresaid treaty of the 3rit of July, 18:38, relating to goods not the produce of the respective states, shall be understood to be mutual.
3. That by the seventh artiele of the a…esaid treaty of the Srd of July, 1838 , it is understoon that goods placed in warehouse shatl not be liable to dury unless entered for consumption, and may be exported on the same terms in the ships af the one as in those of the other e mintry.

Har liritnnnic Majesty's ratiticathom of the nforesaid trenty of conmerce mall navigation is exchanged under the explicit decharations and understandings nhove montioned.

Done at Milan, the dila day of September, IKise. Finemento James Lamb.

## Counter-Dicharation mate by the Anstrian Plenipotentirry.

In consequenee of the delaration presunted this day hy bis lixcelleney Sir Frederie Lamb, Ambnssador of her Iritaninic: Mnjesty to his Imprina and lioval $A$ postolic: Majesty, on the ocension of the exchange of the ratibentions of the treaty of commere mad marigation concluded mad signed nt Vieman on the 3rd of July, intween the plenipotentiaries of his Impraina nad Royal Apostolic Majesty, and of her lfritmale Majpexty, which declaration is concerived in the following terms:-

1. That in the premalile of the said treaty the words 'the commereial relations of their respective states and powserssions' shanll be muderstood to mean' the commercial relations between their respective states mul jossessions, the latter form of worls heing that adopted in the preamble of the consention of eommerce signed at London on tho 21 st of December, 18:?, betwerm Austria and Great limitain.
2. That the stipulations of the 3ril nrticle of the aforesaid treaty of the Brd of July, 18:88, relnting to grools not the proluce of the respective states, shall be muderstoon to be mutual.
3. That by the ith article of the treaty of the 3rd of July, 1838, it is understood that goods placed in warchouse shall not be liable to duty unless entered for consumption ; nud may be exported on the same terms in the ships of the one as in these of the other country.

The undersigned, Chancellor of Conrt and State, is authurised by his Majesty the Emperor, his angust master, to aceede, in every particular, to this declaration presented by his Excellency the Ambassader of her Itritamic Majesty.

Done nt Dilan, the 14th of Soptember, 1838. Metteinici.
Treaty of Commeve between her Mujpsty and the Emperor of Austria, with the final Protocol. Signed at Vienna, December 16, 1865
Artic:e 1. During the contimance of the present trenty, the subjects and commerce of Austria shall enjoy within all the domimions nad possessions of her Britannic Majesty, inclading her Majesty's colonies nad foreign possessions, the same advantages which have been conceded to French subjects and commerce by the trenty between her Majesty nad the limperor of the Frenel, sigued at Paris on the 23rd of Jannary, 1860, and to the subjects and commerce of the States of the Zollverein by the trenty between her Majesty and his Majesty the King of Irussia, representing the sover ign states and territories united to the Prussian system of customs and contributions, signed at Berlin on the 30th of May, 1865: and further, Austrian subyects nad commerce shall be placed in all other respects on the footing of the subjects and commerce of the most fivenred nation.
2. From and nfter the Ist of Jnunary, 1867, Britivh subjects and commerce shall, within the dominions of his Imperial and Royn! Majesty, be placed in every respect upon the footing of the most favoured mation, nond slare in all the advantages nad furours which are enjoyed by the commeree and subjects of any third power.
From this rule are excepted:-
a. Advantages such as those which, for the
sole purpose of facilitating fron'ier trafle, are present conceded, or mny hereafter be conced to the States of the Cierman \%oilverecin, ir other nelghbonring States; nod nlwo those ductions of, or exemptions from, customs duti which are valid only nt certain parte of frontier, or for the inhabitnuts of particul localities.
b. Those advantages which belong, or m hereafter be conceded, to the subiects of tt Cierman Confeleration in virtue of Federal tre ties and liedernl laws.
c. 'Thowe speriat mad nacient privileges what are cajoyed by Turkish kubjects, ns such, f Turkish commeree in Anstrin.
:1. The Anstrian Customs Tariff (the presep system of calenlating customs duties by weind being maintained) shall be so regolated that th duty to be levied upon articles the prowluce manufacture of the dominions of her Iritama Majesty, upon their importation into the Alutria States, shnil, from the 1st of Janunry, IX6ī, no execed 25 per cent, of the value, with the adiliti, of the cost of transport, insurance, and commissin necessary for the inportation into Anstria as fa as the Austrian Customs frontier; nnd for thi purpose there shall serve as basis the wereath value of the artiples inchaded under one and the same denomination in each position of the lutury Anstrinn Thriff.

From nud nfter the 1st of Jnnuary, 1870, the maximun of these duties shall not exeeed 20 per cent, of the value, with the additions above dellined.
The articles of State monopolies (tobaceo, sath, gumpowier), and further, the goods comprised in Classes I and 7 of the present Austrian tariff, are excepted from these maxima.
4. Commissioners from both Goveruments shal! meet, not later than the month of March, $186{ }^{\circ}$, for the purpose of ascertnining and determining the values and additional charges, and they shall take as the basis of their calculations the average prices at tho prineipal centres of production and commerce of the United Kingdon for the year 1865.

Three years after the duties fixed by treatr shnil have come into operation, ench of the contracting parties shall linve the right to claim a revision of the values.
5. Those duties of the finture Austrian tarifite come into operation on the 1st of Jnnuary, 180: to which England attaches a special interest, shinll form the subject of a supplementary corrvention to be concluded between the tro contracting parties.
The articles of Stnte monopoly, as also the gools sulyject to fiscal dutics included in Classe 1 and 7 of the present tariff, remnia also bere excepted.
6. Internnl imposts which are levied in the territory of one party on the production, proparatisin, or use of any article, whether on account of the state or on neceount of muniepalities and corporations, shall under no protert afiect the productions of the other party in a higher or more onerous degree than the same pro dactions of native origin.
7. The contracting parties agree that erem reduction in their tariffs of import or expmat duties, and every privilege, favour, or immunitr which either contrncting jarty may hereafif grant to the suljects and commerce of a hind power, shall be extended immedintely and namditionally to the other contracting jinty, with of rescrve, however, of the exceptions enumeated in Article 2, $a$ and $b$.
ating fron'ier tranle, are a may herenfter be conected German Zollverein, or ta itntes; and nlso those reptions from, castoms datics at eertain parts of th inhabitauts of particular ges which belong, or may ed, to the subjects of the on in virtue of Federal trea-
nd ancient privileges which rkish kubjects, as such, for 1 Austrin.
Cnstoms 'lariff (the present ur costoms duties by weight lunl be so regrilated that the upon articles the produce on dominions of her Ilritmmic importation into the Alatrian the int of January, Isiit, not of the value, with the addition bort, insurance, and commisim aportation into Austria ns far untome fronticr ; and for thi II serve as basis the revare ancluded under one and the in ench position of the future
the 1st of Jnnuary, 1870, the e dinties shall not exceed 20 fer ac, with the additions above

State monopolies (tobneco, salt, further, the goods comprisel in the present Austrian tnriff, ate se maxima.
ers from both Goveruments shall lann the month of Mareh, 1806 , of ascertnining and determiniag Iditional charges, and they shail of their culculations the average neipal centres of production and United Kingdom for the year
fifter the duties fixed by treatr into operation, each of the conshall have the right to claim a nlues.
es of the future Austrian tariff to ion on the 1 st of January, 186", and attaches a special interest, subject of a supplementary conconcluded between the tmo ies.
of State monopoly, as also the niscat duties included in Classi present tariff, remain also here
mposts which are levied in the party on the production, pro se of any article, whether oll state or on necount of muricipatirations, shall under no pritex uetions of the other party in ve origin.
racting parties ngree that wen heir tariffs of injport or expent ry privilege, favour, or immunts contracting party may bereatiti ;ubjects and commerec of a thin extended immediately nod unonhe other contracting farty, with a er, of the exceptious enumentad and $b$.
8. The subjects of one of the contracthig parties whall eajoy, in the dominjons and posscrssious of the other, equality of treatment with mative subjects in regerd to charges on lomiling and manding, to warehousing, and to the transit trade, as nlso in regard to bountles, facilities, and drawbacks.
9. The subjects of ono of the two high contract inf powers shall, in the dominions of the other, enjoy the same protection as native suljects in regard to tho rights of property in trade inarks, and other dilatinctlve marks, as well as in jatterns and dewigns for manafacture.
10. The high contracting purties reserve to themselves to determine herenfter, by a specinl convention, the means of reciprocally protecting eopyright in works of literature and the the arts within their respective dominions.
11. The present treaty shall remain in forec for the space of ten years, to date from the 1st of January, 1867; and in case neither of the hlgh contracting powers shall bave notitied to the wher, twelve months before the expiration of the aid priod of ten rears, the intention to put nu rad to its operstion, tho trenty shall continuo in fore for nother year, and so on from year to rear, until the expiration of a year counting from ilie day on which one or other of tho high coatracturg parties shall have announced its inreation to put an end to it.
The high contracting parties reserve to themselves the right to introduce, by common consent, into this treaty, any modilication which is not apposed to its spirit and principles, and the utility of which shall hayo been shown by experience.
12. The present treaty shall bo ralified, and the ratifications shall be exchanged in Viennn, in three wesks or sooner if possible.
In withess whereof the respective plenipotentiaries have signed the same, and have affixed thento the seal of their arms.
Done at Vienna, this 16th day of December, 1860.

## Bloomfield,

Alexander (ibaf Mensdorff-

Bebnifamd-Baron Wüllenstonf, C. Admiral.

## Final Protocol.

Upon proceeding to the signuture of the treaty of commerce concluded this day between Girent Bratain and Austria, the plenipotentiaries of the tro powers made the following declarations:-

1. The plenipotentiaries of his Majesty the Fimpror of Austria declared that in virtue of dride XIII. of the treaty of customs and contributions union of the 23rd December, 18633, between Austrin and Liechtenstein, the treaty of comerce concluded this dny would apply equally to the prinsipality of Liechtenstein, nud the British plenipotentiary aceepted this declaration.
2. In order to avoid nny future doubt as to the intention of Article III., the plenipotentiaries of the two powers agreed to the following ex-planation:-
In the construction of a tariff of specific duties by weight within fixed ad valorem rates, it is necessary to determine what shall be the unit of ralue to which esch specilic duty shall be applied. In adopting the basis of value established by Article III, it is maderstood that it is not intended to depart from the general principle of the article, riz., the applicntion of certain maximum ad ralorem rates of duty to all articles of British produce and manufacture, but to guard against
the meesuity of makimg nepratafe powision for evary variety of each article, thereby crating minute and inconvenient subelivisions in the tarill;

With thls view it becomes necessary to group together thoso difierent qualitles mal deseriptions of the same article or of similar articles which, from their approximation in value and gemeral resemblanee in charncter, it is fomm possible to inclute muler one and the same denomination in one position of the turifl;

But it is understool that in flxing the demoninations in each position of the future Austrim tarill, they shall be no nernuged that the duty: atlixed tu uny one positions shall not exceed the 'maximum' rates thed by Article III. of the trenty upan tho average valne of any kind of goods of commercial importance included under any one denomination in such position, unless by common convent it is considered expedient or necessary:
3. With refurence to tielo IV., tho plenipotentiarics likewise agreed that if it shall be fond that the prices of muy kinds of groods have been exventially disturbed by exceptional causes during the twelve months of the year 1865, the Commissioners of the two Governments shall endenvour to tind such a basis of value as shall be considered to correspond to a fair average value for future years.

In the case of textile manufactures (the prices of which have been seriously deranged during the Inte war in tho United States of Amerien) it is ngreed that if the nverage prices of the year 1865 be taken as a basis of value, either eontractins party may claim a revision of such valuation alter the 1st of January, 1868.
4. The British plenipotentiary then declared that

Her Britannic Majesty engages to recommend to l'arliament the abolition of the duties payable on tho importation of wood and timber into the Cnited Kingdom, and also the reduction of the cluties pnyable on wine in bottle to the amount of those paynble on wine in wood upon importation into the United Kinglom.
5. The Imperial Austrian plenipotentiaries on their part declared that:
'I he duty upon the export of rags from the states and possessions of his Imperial and Roynd Majesty sliall, from and after the 1st of July, 1866, be reduced to 2 florins the Zolleentner; and that:
The thity upon the importation of salted herrines into the states and possessions of his Imperial and lioynl Majesty shall, from the 1st of lebruary, 1866, be reduced to 50 kreutzers per Zollcentner; gross weight.

In witness whereof the undersigned plenipotentiaries have drawn up the present protocal in duplicate form, to which, after it had been duly read, they aftixed their signatures.
Viemna, this 16 th day of December, 1860.

## Bloompield.

Alexander Giraf MensdorffPouilly, F:M.L.
Bernilalid-badon Wúllerstorf, C. Admiral

Treaty of Navigation between her Majesty and his Majesty the Emperor of Austria. Signed at
Vienna, April 30, 1868. Ratifications exchanged at Vieuna, June 26, 1868.

Article 1. British ships and their cargoes in all the dominions of his Imperial and Royal Apostolic Majesty, and ships belonging to the citizens $4 \times 2$
of the Imperial and Reyal Sitates and their cargoen in all the dominione of her Majesty the Queen of the United Kinglom of tirent Eritain and Ireland, from whatever place mrriving and whatever may be their pilace of dentination, mid whatever may Ine the place of origin or dentination of their cargoes, whall be treated in every respect as matiomal ships and their cargoos.
livery finvour or exemplion in thene remperte, ar any other priviloge in mators of mavigation, whidh rither of the cometricting partios shath grant to a third power, Nonll bex extended immedintely and uncomititionally to the whor party.

It is, however, agreed chat this stipulation shant bus be mylienda to the mational tiaheries ut aither of the two rountries.
$\because$ The atipulations contaimed in the preneding article are also to be applial to the colonion and furcigh posarasions of har Itritamio Majenty, as woll ane to the whipe mal eargores of the namo; but, as regards the consting trade only in those colonies and fureign ponsowsions the comsting trale of which shall have hecon, or shat har hereafter, "fened to torrign shipe in combonity with the Aets of l'arliament which govern this matter.

The forelgn possersjons and colonies of her Britamic Majesty, the consting trade of which has luen alremer so opesem to forcign ships, and it which the refore ships belonging to the ritionns wi the lmprial and lowal thates are phaced on the mational footing, nre-

Iritixh India,
l'rylon:
linu- of (inox llyn",
Vietoria.
St. Latia.
3. If any ship of war or morehant-vessed of ome of the contractime partied shonded ram agromed or lie wreckerl, or ment with any ensuaty 11 mon the comals of the other, the same nid mel assistance whall be rendered to it, and to the earaco apparch, and firmiture thoroof, as to a mational vessed; and in such rase mo other axproters whall be guid by the owners or the ir agents and representatives fir the presorvation of the property or of the lives of the persons on board the ship, than would be payable in the like case of a wreck of or canally 10 a natiomal vessel.
In bise the master of a merchant-vensel shonld he muder the modessity of disposing of a part of his merchandise int orider to dofray any salvoge expenses, 16 impediment shatl be opposed by the anthoritios, the master tritig bound, however, to mundirm to the existing regulations and tarith.

The poods and merchmolise naved from the wred shall be siempt trom all duties of costoms, muless deared for consmmpition.
The reapertive consuls-grencral, consuls, viceronsuls. and consular agents matl, if the owner or manter, ar ofher agent of the owner, is mot preerolf, or is present and repuires it, or is bomad by lor laws of his comotry to acedpt consular assintance, he anthorised to interpose in order to athord the unepesary assistame to those concermed.
I. The coinsuls-general, consuls, vicc-eonsuls, and comsular arents of each of the contracting parties residine in the fominions and pessensions wit the other, shall receive from the local anthorities such assistane as can by law be given to them tor the recovery of deserters from the vessels of their respective countries.
5. All veswls which according to Britivh law are to be decmed Ifritish vessels, and all vesseds which, aceording to the laws prevaling in the States of his lmperial and Roval Apostolie Minjosty, are to be deemed vessels belonging to the subjects of his lmperial and Roval I pontolic Ma-
esty, nhall, for the purposes of this treaty, In rexpectively deromed Hritiah vensela, mul vinael Infonging to the citians of the Imperiat ani Loval Stater.
11. The present treaty whall remain in fores from the exchange oll the ratiberations thereof until the :hat of Wecember, Isiz; nmil burne neither of the high contractime powers whall have notified to the oflor, twelve monthes before the expiration of the anid perion, the intenion to put $n=$ emil to liv operation, the traty shatl vontimu lin firee fir anuther your, and mo on from your to yenr, matid the aspiration of a yenr, combting from the day ons which otw er other of the high cond racting partion whall have anomonerd its intonthon to pint anm to it.
‥ The prosent. treaty ghall be ratilhed, athe the ratitications matl he extlonged at Vínma, willint cight wreks, or mantios if powsible.

In witmess wherear the rexpective phonjurentiariow have signed the mame, nud have atised thereto the nesh of their armas.
thone nt Viemm, this : Whth day of $\mathrm{A}_{\text {pril, in the }}$ var of ond lord 1 shix.

Handifitith.
latis Matiort.

## Betaitum.

Truaty of Commerce umel Nurigution behacen hup Nitjesty and the King of the Brlyions. Nigned at Lourthon, July 2ib, 186:. Rutifications erFhenyed at Lomilon, Augnst :50, 18 i 2.

Artivel. 'There shall he recipronal liberie of commeree betwery all the doninions and paswo sions of the two high combracting parties: and the sulijgets of cach of them shall, throughout the whole extent of the territories and puswewinns of the uther, enjoy the sanne rights, priviteges, liturties, liavonrs, immmitides, and exemptians, in matters of commerce aml mavigntion, whichate or mave le enjoyed by uative subjects.
$\because$. The sulijerts of one ol' the two high contrating parties resilling in the dominions of the other, hall have the mane liberty as mative subjedota manase their own athairs themselves, or turanmit them to the mantugement of any of her permb. ans brokers, finctors, agenta, or intergreters. They shall mot he restraned in their choice, and shath not bo wbliged to pay my salary or remumentina to any persom whom they shall not chose themploy in those enpacities; buyers and sellers hein, at jerfect liberty to bargain together, and to fix the price of any goods or merchandise impurtel or destined for exportation, on comdition of dhersing the regnlations and the customs laws of the comintry.
3. In all that relates to navigntion adod conmerce, the high contracting parties shall ant arant any privilege, favour, or immonity to any oflat comery, which shall not be also and immediately extemied to their respective subjeets.
I, All ressels which aceording to the lawe of Grent Iritain are to be deemed liritish vewel. and all vessels which aceordintr to the laws of Ihereinm are to be deemed helfian veseds, ate declared tu be lhitish and Ikedgian vessels respectively.
i.) No duties of tomadge, harbour, light-hmen pilotage, guaramtine, or other similar or ofte sponding duties, of whatever mature or under whatever denomination, levied for the probit or in the name of the tiovernment, public functiomice, communes, corporations, or establishments of whatever kind, shall be imposed in the puthon cither comntry, unon the vessels of the other comilIry, from whatever port or place arrivits, wide
urpuses of this treaty, le Ifritimit vensela, mind visuel aests of the linforlal nist
ty shall remaln ln forro from atlient jons therenf until the
 ara whall linve nutitiad lotlie bufore the cxplration of the niton to jut an enul to liv - whall romithus ba furce fien on from yar for var. until enr, c'mantlitg fromithe dayn
 I! Is lintention to put an mive
anty alanll be ratified, and ther (exclunntiol at Vhoma, within or if possible. of the respertive planjpuene tho sumes, and linve netised lieir arime. this iftht iny of April, in the tix.
16.00.nFtitlin,
I.1U1S II.AI.A.BT.

Bet.aivan.
re and Nirigution betheren her King of the Brlyiums. Nigned 2it, $18 t i=$. Rutificutions arlon, duynst $30,18 t^{3}$.

- Nlanll lo reciproctal lilatip of all the donintons nad javis. ighe cont ructing part ies ; mad the Ifli contrin slaill, throughout the he territorios aud passonsiond of lee same rights, privileges, litrole: sames rition pxemplinms, in Imme and mavigation, whichare lliy native subjuets. s of one of the two high contride If in the thminions of the other. ne liberty as native sulberets in in athairs themselves, or to cons. namgenent of any oflor persons rs, urente, or interpreters. They nined in their choice, and shall pay any salary or rombuctation hom they whall not chowe to enacities; lonyers and sellers bein, - to bargain together, and to tix roods or inerchandise impurted o ortation, on cundition of ubers
relates to navigation and comcontrnctiug parties shall not grant vour, or immounity to nuy ather hall not be also and immediately $r$ respective suljects. which necuriling to the laws it re to bo deemed British vesel. which aceordiog to the duws of be deemed lhilgrian vessels are ritish and lkelgint vessels restac
af tomanare, harbour, light-fuma, otine, or other similar of tufte of whatever unture or under whattoll. levied for the prolit or in bhe overnment, public functionaries, porations, or establishments of shath be imposed in the puts 1pin the vessels of the ether cutp ver port or place arrivins, wimh

Nall mot be eginally impoed in the like cases ons mational voswels.
bi. In all thate regards the stationinge, the hate ing athl malouling of veswels in the furts, Imsins,

 besels whinh shall mot bo ripally granterl to sosele of the where comatry; the bintention of the bugh condrmeting purties Indug, that in lhis rearet also the requertive verseles whall lie treated on the footing of perfeet viluality.
7. Itritish vesscla putering a port of Ihelginm,
 of firent IBrituin or of the Iritislo posaresmons, and desirimg (o discharge ouly "part of their carg", mas, nulyeret to complimate with the laws mile reputations of the respective comberies, retain on bonad that part of tho cargo which is destinel for another pirt, whether lin the same conatry or in any wher romery, and may re-export the same, willout being rompelled to pray, mon such retained part of their eargo, bily ilaty of cuntomat ave hane fir watching, which, of eovirae, shatl hos. bevied only at the rate tixed for mational vessels.
*. limula of every kimi whicls are or may hes legally importable into the ports of iloe livited Kimgiom of (irent IBritain null Irelanil, its colonies and possessions, in liritiah vessels, may likewioc lie illumedel into such ports in lielgian vesespls, wiohout heing linhlo to wher or higher dutios, of whatever demmination, than it such pown wire imported in mational vessels.
heriprocally, fomen of every kind which are or may be lagally importable into the purts af lyngiom in Thelgian versela, may likewise be intpurtel into such ports in Itritisli vessels, without beige liable to ot her or higher duties, of whatever dnomimation, than if such gonds were imported ia national vessid.l.
!. Gouls of every kind which may bre exported tither from Helginin by British vessels, or from tireat Uritain anil the liritish pussessions by Melgian veseds, for whatever destimatime slall mot he liable to any other duties or formalities on wheprthe than if they were exported in mational ressels; and they whall enjoy; under either flus, all hoanties and srawbacks, or other fivours which are or may be granted in each of the two commens to mutional vessels.
If Durimg the period allowed by the laws of the two emutries for the warehomsing of goods, mo other haties than those for enstody and storage thall be leviel upon articles importeil from one of the two countries into the other, intil they shat be removel for transit, re-exportation, or internal consumption.
In mu case shall such artieles pay higher dhties, or he liable to wher formatities, than it they had beet imported moder the national thag, or from the most favoured comitry.
II. Liouds of every kind coming from or going to edther of the two countries shall reciprocally be exempted from all transit duty.
The prohibition in regarl to funpowiler is, lowever, maintained; and the two high contracting parties reserve to themselves to sulyect the tansit of arms of war to specinl anthorisations.
The treatment of the most favoured mation is reciprocally guaranteed to cach of the two countries in all that concerns transit and warehonsing. le. With regaril to the eonating tracle, it is asted hetween the high eontracting parties that the sulijects and vessels of each of them shall, itu the duminions and possessions of the other, enjoy the same privileges, and be tronted in all respects to the same footing, as mational subjects and ressels.

With ryaril tu the conating tralat in the collonies, the stipulations of the presint urtiole whatl $t_{\text {a }}$ applicable only to the consting trate of mach of the colmides of hor Britumbla Majosty as luve "pfliwh or ahall herealter myly, in conitormity with the Acts of P'arliamont which peworn lhis matter,
 vernuls.
lil. The regrations establivicel for groods iol. ported from Framee into IBelpian ly Aricelem is to e2t inclusiva, of the treaty of conmeree comchaled between alae two conatrien ant the 1st of
 same grods imported from lirnat ISitain and its. posnensions.

With ruraral to pure or mixal tinsmes, faxed and valorem, the valuntitn of which in the jurts may appear to tha Ilelgian Govermment to prosent afif-
 itself the power to denignate the enstom-homse of I' Irussels exclusively tor the admission of such frouls.
11. Neither of the two high contracting garties shall impose unon goods the prodnce or manufaclure of the other party, other or higher duties of impurtution that suelt as are or may lo imposed "pron the sane gools tho produco of any other firelizil comitry.

Varh of the two purtiea oreares to extend to the other any havor or privitere, or reflaction in the tarill of ilatios of importation or exportation, on mrticles mentioned, or not mentioned, in the preserit treaty, which either of them may grant to any hiral power. 'I'hey orgage, moreover, not t" establishle agninst cach other any duty or prohibition of importation or exportation, which shall not, at the same time, be applicable to all other mationts.
It is furthor arreed that if sea salt retined in Belpinm shoubl obtanin a deduction of more than 7 per cent. from the gencral daty of exciane. Ifritish salt retined in [selgrium shall enjoy, at the: wame monent, a deduction from the excise which shall mot he inferiur by more than 7 per cent. to tho deduction granted to sea salt.
15. Articles the produce or manutacture of lielमimm shall mot. bes subject in the British colonies to other or higher duties than those which are or muy be imposed unn similar articles of lBritish origin.
16. 'I'se subjects of one of the high eontracting parties shall enjoy, in the dominions of the other, the same protection as mative suljects in all that relates to property in trade marks, as well as in industrial and manufacturing patterns and models. of every deseription.

Tho exclasive right to make use of an industrial or manufacturing pattern or model shall not, with regard to liritish suljeets in Belpiam, and reeiprocnlly with regard to lielgian subjects in Great Britnin, have a duration longer thon that fixed bes the law of the country for native subjects.
If the industrial or manufacturing pattern or moldel is open to the pulilic in the country of orifin, it cannot be male the subject of an exclusive right in the other comintry.
'The provisions ot the two preceding paragraphes are applicable to trade marks.
'Ilse rights of subjects of one of the bigh contracting parties in the dominions of the other are not subject to the condition that the models or patterns slall be worked there.

The present artiele shall not be put into operation in cither comntry, with repard to such molels or patterns, until the expiration of a year from the date of the signature of the present treaty.
17. Helgian subjects shall not have the right to

## TREATLAS (COMMERCIAL)

daim in lireat dritnin exchaive property in a mark, moded, or pattern, milese they shatl luve prevonaly complion with the regalailons, it any. whidi are or may be int toree for the depmait it lambin, by britinls subjectes, of inarks, models, or pulterms.
Iteripromalty, Iritish sulyeects mhall not have the right tu chaim in Whdgum oxchowive prop ty in a mark, model, ar pattern, miless they aliall lave previdunly complion with the laws anil regnations OII thase sutijects which are or mily be in furce in Belқinu.

IN. Ench of the high contracting parties sinall have the right to mane comands fir the protection of trade in the dominions mod territories of the other party a mad the consals who may be so aj; pointed whall endoy, within tho territories of ench pary, thl the privileges, excomptions, nad immmmites which are ar may be granted in those territories to agents of tho same rank mud charneter appointed by or mathorised tor met for the Covernmemt of the most fingoured mation.
Thefore niny comand cam net us such, he imust, however, in the usumi furm be npproved and admitted by the tiovernument of the cometry to Which he is sent; und rach of the two high rontracting parties shall have the right to except from the residuce of comsuls any particular places which cither ol' the may julige proper to be excepted.
19. If uny vessel of war or merchant-vessel of wither of the two rountries should be wrecked "Iron the comsts of the othor, such veseel, or any mirts thereof, and ald furniture mad apportenances belonging thereunte, as wedl ns all grouds amd merchandise which shall be waved theretrom, or the jrouededs thereof, if sold, shald be restored is the propirictors or to their agents, on being chanmed ly them. In ewse there should be no sureh propirietors or aprats upon the spot, the suid articles and goods, or the procieds thereof, as wedl as all the papers fommed tho bord of any nueh vessel, shath be delivered to the Jritinh or Jelgian eonsal in whose district the wreek shall have taken place; and such consul, proprietors, or agents slant not be called upon to pay any charge bat the expeases menried in the preservation of the property, and the same rate of salvage which would be egually puyable, under the like circumstances, by a miliomal vessel. The goods und merchandise saved from the wreck shail not be subject to the established duties, unless cleared for consumption.

2ll. The llritish tiag shall continue to enjoy in Belpium the repayment of the Scheldt toll so lomg as the Belginn flat shall enjoy the same.

21 . From and nitur, at latest, the day on which the capitalisation of the seheldt toll shatl be ctlected by a general arvimgement-
(1) The tomare duty imposed in Belgian ports shall cease to be levied:
(2) The pilotage duties in Belgian ports and in the scheldt, so lar ns depends upon Belgium, shals madergo a reduction

Of 20 per cent. for sailing vessels;
Of to per cent. tor vessels towed;
Of 30 pur cent. for stcam-vessels.
(3) The system of local taxes imposed by the city of Antwerp shall be throughout diminished.

22 . As " temporary exeeption to the stipulatinns of Article $1+4$, and tur the space of 2 vears from the lst of October, 1862 , the new system shatl be applied in the following manner to certain articles of British origin hereinafter enume-rated:-

Cotton yarns twisted, wroped, or dyed, shall pay :he duties imposed upon single yarns, un-
hombled or beached, with an addition of is
 warped sarns, und 15 centimes for dyed yarno, per kilogrammes.
'Iher duty on staf' of wool mixed with couttuns

 Isit. During the cont innmace of the Iransitury nymem the importer may, at his eftoler, pay cither 180 frames the 106) kilogramoues, of the dhities atipulated nbove.
 150 franes the 10 kilogrammes.
ait. It is muderstood that in case the prownt daty on tho importation of lireign spirits mhond lee mantained in the Ifritish turitl, the article re lative to spirites whiel is contalned in the treaty conchaded between Bejginm mad Framee on the lat of May, 1861, slabld not be mpplied to british wigrits, not far ns regneds the reductions therein stipulated, motil the lat of Oetober, 1865.
2l. 'The loniun laslands lowing under the protee. tion of her IIritamic Mnjesty, the snlyects and ressels of those islandis shall "enjoy, in the dominions of hils Majesty the Kinge of the Thlyimes, all the advantipes which ure granted to the suljeets and vessels ol' Cireat Jritain by the present treaty; as suon as the (iovermment of the lonim lamis shall have "greed to grant to the whbjects and vessels of his Majesty the King of the lelpians the same advantages which are gra, din thase islands to the suthjeets and vessels of her litritunic Majasty; it beinge understood, that in order to prevent abuses, every Ionian vessel claiming the beneties of that trenty, shall be furnishet with a patent signed by the Lord lligh Commis. simmer of her Britumic Majesty, or by his nymesentative.

25 . The present treaty shall continue in furce for 10 yents, dating from the 10 th day after the exchange of the ratitications. In case neither of the two high contracting parties should have notified, t: months before the end of the said period, its intemtion to terminate the treaty, it shall remain in lorce until the expiration of I' year dating from the day on which either of the high contracting parties shall have given notice for its termination.

The high contracting parties reserve to themselves the right to introduce into the treaty, by common consent, any modilications which may not be at variance with its spirit or principles, and the ntility of which may be shown by experience.
26. From and nfter the date fixed by the preceding nrticie, the treat: of eommeree and navigation of the 27 th of Uetober, 1851 , shall cease to le in force.
27. The present treaty shall bo ratified, and the ratifientions shall be exchanged at London before the 1st day of September, 1862.

In withess whereof the respective plenipotettiaries lave sigued the same, and have affixed thereto the seal of their arms.

Jone in duplicate at London, the 23rd day of July, in the year of our Lord $186 \%$.

Russemel.
T'momas Milnere Gibson,
Sylvain Van de Werer.
Protocol of Conference held at the Foreign Offict, July 23, 1862, between the Plenipotentiaries of Great Britain and of Belgium.
The plenipotentiaries of her Britannic Majestry and of his Majesty the King of the Belgims, in proceeding to the signature of the treaty of comneerce and navigation between their august
with unt millition of is yarms, it centimes for centimen for dyad yurum, f wool mixed with cottur mitil the lat of thetume . innil the lat of thetulyr, - Himanace of tho trmasitury may, it his choloer, bay biei kilogramomeng of tha c, hed cotho
surammes.
If thant in rane the prowne on of torejgan spirites shoults IIritish tarifl, the nrtide re Is contalined in the treaty belgium and Framee on the II nut le nyplied to Britid ards the reductions therdin st of Oetoler, 1865
ands befog under the proteco e Majeaty, the auligects and ula whatl enjoy, in the domithe King of the lelylans, all are franted to the suljects sritaili by the present treaty, nusent of the lonim! Islamis o griant to the sulijects and ty the King of the lelyians which are or a d in thase tas and vessels of her liritannif umberstons, that in urder every Ionian versel claming atrenty, shall be furnished 1 hy the Lord lligh Commis. inic Majenty, or by his mire-
treaty shall continue in forse - from the loth day after the titications. In case neither of etting parties should have notipre the end of the asid period, ninate the treaty, it shall rehe expiration of y year datiar hich either of the high conall have given notice for its
eting purties reserve to themintrodnce into the treaty, by any moditications which may with its spirit or principhes, which may be shown by expe-
ter the date tixed by the prereat, of commerce and narigareaty of commerce
Oetober, 185 L , shall cease to be
treaty shall be ratitied, and the e exchanged at London bcfore ember, $180^{\prime 2} 2$.
eof the respective plenipotenco the same, and have affixed their arms.
te at London, the 23rd day of f our Lord $186^{6} 2$.

Russichi.
Thomas Milaner Giason.
Srbvain van de Weyer.
cuce held at the Foreign Office ctween the Plenipotentiaries of ud of Belgium. iaries of her Britaunic Majesty $y$ the King of the Belgians, in signature of the treaty of comsignature of the treaty august
ration between their


(1) 'That the derdarations whative to the arreat


 don lidzethe, of the lith of F'chroary, whall collhime ln force mid validity, as if they lomel lexen inserfal ha tho suid tromy.

 Ifitanhi' Majowy and his Majeste tho King of
 muder the reservation made hy the thovermment of lif Nainest the Kinge of the Ihelghan, llate they will aqian bring forwarl, in a fature negotialion, she propesitlon relative to the reejprovel permissien to dial whlifn the marine territorial limit.
In maintaining the matal convention coneladed mine "dind of March, 1852, ant exeeplian to thes
 timatighed this day, is mande in so har as repartls the alvalages whith are or may be given in

(i) W'ill regard to sugar, the Tiovernamat of his Mapenty the Khig of the Welpinnes rewerve tu themestres to renew their prophasition llat ant aretanit should be como to betwees lirent IPrtain, Welyimm, Eraner, the Zollverein, and the Secherlands, for rexpectively brimging the doties upon raw and rethed sugars imported from any one of those comentrien finto the others to ant equality with the taxes hoposed "pon the same pronlectinn of mational origin, mul lior terminatime smultaneonsly in thone ${ }^{5}$ comntries the system of bumties un the exportalion of sugar.
The Belginn tiovernment rely mon the silpfurt and co-operation of the Government :f her liritamie Majesty for this jurpone.
liussmita.,
Thomas Manen libumes.
Sybativ van de Whith,
Protacol of Conference held at the Foreign Office, Augnsf :3n, 1862, brtu'cen the Plenipotentiaries if G'reat Brituin and of Äpelyinu.
The undersigned, in proceeding to the exehange of the ratifications of the treaty of commerce and
 letwern her Majesty the Queen of the Cniterl hingdom of tireat liritain and lroland, and his Majesty the King of the Belgians, linve agreed to nown in the present protosol the molitications in the suid treaty arramged this day leetwen them; and in romsequence of which the tollowing tarit is adopited:-

| No. | Cotton | Varns. | lst Year | Ind Mar |
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| 2, that 6 o : | (10, ${ }^{\text {dil }}$ (1) |  | - 30 | \% |
| Sinluy | (11,011) | - | - 15 | 3.1 |
| +itu) | [3,11111 | . | (a) | S0 |

Abwe bis,oou fice entry (weighing elarge of fin centimes) during the whole daration of the waty.
These motifications shall have the sume force and chect as it they were textually inserterl in the said trenty, and they shall come fintooperation iran the Ist af Oetober, 186: , the ohd duties continuing to be applied to the above-mentioned arichs, an well as the mixed tissues (Article 2:of the treaty), mp to that date.
In lestimony whereof the plenipotentiaries have sighed thi present protocel, and have thereto atineed their seals.
Done in London the 30 th of Augnst, 186\%.






Articles 1. 'The treaty of pernen mel amity between the two nations, shand at Namking on
 by remewed mal condrond. [Canrons.]
'Tho supplementary trenty and general rogna-
 and the sulastine of their provishons lanvlug been
 treaty anil g'neral regulatons of trales ure iwrohy abrogated.
2. lior the larter preservation of hamony in future, luer Majosty tlee Queen of tirent liflabin and his Majesty the limperor of China matmally usree that, in meorelane with the miversal prosthe of kreat mul fricnilly mathons, her Majenty
 ministors, or other diphomatle agente to the fourt of D'eking; und his Mujeaty the limproror of China may, In like manner, if no vee tif, nppoint ambassadors, ministers, or other dijhmateragents to the Court of Sit. dames'.
3. Ills Majenty the Linjurpor of China lerechy ngrees, that the nmbassadur, minister, or othrer diplomatic: nurent, mo apmonted ly hor Majesty low Qaedn of tireat lmitaln, may roside, with his fanily nod establlalment, primanently at the eapital, or may visit it oceasionally, at the option of the Ifritish liovermment. Jle Nhall mot be radled upon to perform miny ceremony derogntory to him as representing the noverelgin of mindorpendent ua'ion on a tooting of egnality with that of China, On the other hand, he shall inse tha, same forms of evremony and respoct to his Majesty the limperor as are employed by the ambassators. ministers, or diplomntie agents of her Mujesty townods the sovereigns of independent and equal Earopenn nations.

It is further arreed, that her Majesty's Government may aequire at l'oklug a site for building, or may hire honses for the aerommonation of ber Majesty's misslon, and that the Chinese Government will assist it in so doing.

Iler Majesty's representativo shall be at liberty to choose his own servants and attendants, who shall not le subjected to any kind of molestation whatever.
Any person fuilty of dirrespect or violence to her Majesty's rejuresentation, or to any member of his fanily or establishment, in deed or word, shadl be severely punisherl.
4. It is further apreed, that no obstacle or difficully shall be made to the free movements of her Majesty's representative, and that he, and the persons of his suitr, may eome and fo, and travel at their pleasure. Ile shall, moreover, have full liberty to send and receive his correspondence, to and from any point on the sea-const that he may sulect; and hos letters and effects shall be helid sacred and invioluble. De may employ, for their transmission, sjecial couriers, who shall mect with the same protection aud facilities for travelling as the persuns employed in carrying despatehes for the lmperial Government; anil, generally, he shall enjoy the same privileges as are accorded to officers of the same rank by the usage and consent of Western mations.

All expenses attending the diplomatic mission of Great Britain in China shall be borne by the British Government.
j. Ilis Majesty the Emperor of Chima agrees to
womibate one of the secretarias of state or a prasidint of one of the boards, as the bigh otherer with whom the mabassador, minister, or other diphematie arent of her Majesty the Quern slatl transold husines, vither persoially or in writinf, un a conting of perfert equality.
ti. Whe Majesty the tuern of tireat liniain armes that the privileges herely secured shati low rajoyed in her dominions by the ambasadors, ministers, 0 - tiplomatie agents of the Limperor of thina, aerredied to the court of her Majesty.
7. Her Majesty the Queen may appoint one or more consuls in the domimons of the Emperor if - China; abal suci. comsul or consuls shall be at liberty to reside in any of the open ports or cities of ' 'lina, as her Majesty the Queen may consider must expedient for the interest.a of British comharre. They shall be treated with due respect by tive t'hinese authorities, and enjoy the same privilegres and immmities as the emonsilar ollicers of the most fivoursi nation.
('ousals and vice-consuls in charge shatl rank with intendents of circuits; vice-consuls, acting vice-consuls, and interpreters, with prefeets. 'They whall have aeress to the ollicial residenees of these othiors, and communieate with them, pither personally or in writing, on a footing of equality, as the interests of the pablie service may require.
8. I'be Christian religion, as professed by l'rofestants or Roman Catholies, inenl-ates the pratice of virtne, and tenches man to do as he would be done by. Persons teaching or professing it, therefore, shanl alike be entatled to the protection of the Chinese anthorities, sor shall any such, peaceatbly pursuing their calling, and not offendingr arainst the law, be persecuted or interiered with.
9. British subjects are hereliy authorised to ravel, for their pleasure or for parposes of trade, to all parts of tho interion, under passpests which will be issued by their consuls, and countersigned by the local anthorities. These passports, if deminoded, must be produced for examination in the localities passed through. If the passport be not irrenalar, the bearer will be allowed to proceed, and no cpposition shall be offered to his hiring persons or hiring vessels for the carringe of his bayfate or merchandise. If he be without a passport, or if he commit any offence against the law, ho shall be landed over to the nearest consul for pumishanent, but he must not be subjected to any ill-usage in excess of necessary restraint. No passport ned be applied for by persons going on "xcursions from the ports open to trade to a distance not exceeding 100 li , and for a period not exceeding 5 days.

The provisions of this article do not apply to crews of ships, for the due restraint of whom regulations will be drawn up by the consul and the local muthorities.

To Nanking, and other cities disturbed by pervous in arms against the Government, no pass shal! be given, until they shall inve been recaptured.
10. British merchant-ships shall have authority to trade apon the great river ( Yang-tsze). The upper and lower ralley of the river being, however, di.turbed by out-laws, no port shall be for the present opened to trade, with the exception of Chin-kid.ig, which shall be opened in a year from the date of the signing of this treaty.
so soon as peace shall have been restored, British vessels shall also be admitted to trade at sucl ports as fir as Han-kow, not exceeding 3 in numbrr, as the british minister, after consultation with the Chinese Secretury of State, may determine shall he ports of entry and discharge.
11. In ahlition to the cities and towns of C'sutun, Amoy, F'uchow, Ningpo, and Sbanghai,
"prove hy the traty of Nomkins. it is ate the Hritivh singerts may trequent the ritios and fout
 that-Chow (Swatow), and Kimer-Chow (Ilai n:! ).

They are promitted to arry on trad will whonsurver they plaisis, and to procered to and he


They shall cujoy the same privileres, mban. tares, and immanitios at the saill towns and prote as they mjoy at the ports aloualy aromed to trad, inchating the right of residhace, of hayine or venting honses, of letasing land theroin, and of bnilding charehes, hospitals, mul eometeries.
I $\because$. British sublecets, whother at the perts or at other places, desiving to lmild or open homes. warrehouses, churehes, hovpitals, or burial-grommb, shall make their agrement tor the land on bialdings they reguite, at the rates prevaling among the propile, cyuitably, and without exactions of cither sile.
18. 'The ('himese Govermment will place. Im restrictions whatever pon the employnent, lis Inritisle sulgects, of Chinese suhject in any lawfid capacity.
1.1. Iritish sulgerts may hire whatever buata they blease for the trabspint of gooks or pracer gers, ther the sum to be pitid for surl boats anall be settled between the parties thenselvers, withunt the interference of the thinese tovermment. The number of these boats shall mot he limited, hor shall a monopoly in respeet either of the boats, or of the porters or coolies eugaged in earrying the gomb, be pranted to any parties. lf any emurgharg takes place in them, the offenders will, of courv; be punished according to law.
15. All questions in regard to rishtw, whemp of property or person, arising hetwern hation subjects, sliall be subject to the jurisdietion of the British authoritiss.
16. Chinese suljeects who may be cuity of am criminal aet towards lbritish subjects shalt his arrested and punishet lov the Chinese authorities, aceording to the laws of China.
british suljects who may commit any crime in China shall be tried and punished be the roasul., or other publir funccionary authorised thezet, according to the laws of Great Britain.

Justice shall the equitably and iapartially administered on both sides.
17. A British subject having reven to comphan of a Chinese, must proceed to the consulnte, and state his grievance. The cousul will enquire into the merits of the case, and to his utmost to arrange it amsably. In like manner, if a Chine have reason to complain of a British subject, the consul shall no less listen to his complaint, and endeavour to settle it in a friendly mamer. if disputes take place of such a nature that the consul cannot arrange them amicably, then he sull request the assistance of the Chinese authorities: that they may together examiue into the merite of the case, and decide it equitably.
18. The Chinese authorities shall at all time afford the fullest protection to the persons and property of British subjects, whenever these shall have been subjected to insult or violence. In all cases of incendiarism or robbery, the loeal autho. rities shall at onco take the necessary steps for the recovery of the stolen property, the suppression of disorder, and the arrest of the gailty pirties, whom they will punish according to law.
19. If any British merchant-vessel, while withan Chinese waters, be plundered by robbers or pirates, it sliall be the duty of the Chinese authorities to use every enteavour to capture and punish the said robbers or pirates, and to recover the stolen

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to earry on trable with var, and to provered to mul loo vess.ls and merehandise. he salume privilegres, mbanat the saill tow ans and ports, arts alrually opened to trab, of residelue, of byyine or of risinge, thewing and of fitate nad a moteries. 4 , whether at the prerts or at $r$ to build of opuen howes, , hospitals, or hurial-grommo, Enont tor the land or buiblthe rates prevailing among fand without exactions wh

Govermment will phace , m : 1 pon the employnuent, hy Chinese sutjocet in :any lawfit?
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The consul will enquire into case, and do his utmost ti y. In like manner, if a Chineer mplain of a British subject, the ess listen to his complaint, and le it in a friendly manner. e of such a nature that the erse them amicably, then he shat mee of the Chinese authoritios. rether examine into the meriteot de it equitably.
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uty of the Chinese authorities rour to capture and punish the nirates, and to recover the stolen
preprey, ihat it may he hunded over to the consul fur restoration to the owner.
20. If any Iritislı vessel he at nny time wreaked ur stramed on the const of China, or loe compelled to take refuge in any port within the dominions of the limperor of Chima, the Chisose authoritien, on iming apprised of the fuet, shall immedintely utopt meanures for its relief and security; the persons on twari shall receive friendly treatment, nol shall be furuished, if necessary, with the means of converane to the nearest consular station.
2l. If rriminals, subjects of China, sliall take reture in llong Kong, or on boari the bitish ships there, they shall, upon due requisition by the Chinese authorities, be searched for, and, on proof of their guilt, be delivered up.
In like manner, if Chinese offenders take refure ia the houses or on board the vessels of British subjects at the open ports, they shall not be harboured or concealed, but shall be delivered up, ou due requisition by the Chinese authorities, addressed to the liritish consul.
2.2. Sloould any Chinese subject fuil to discharge debts ineurred to a liritish subject, or should he fruudulently abscond, the Chinese authorities will do their utime it to effect his nrrest, and enforee wovery of the debts. The British authorities will likewise do their utmost to bring to justice anv british subject frnudulently absconding or tailing to discharge debts incurred by hin to a cliusese suliject.
23. should natives of China who mny repair to llon Kung to trade incur debts there, the recovery of such debts must be arranged for by the English courts of justice on the spot ; but siould the Chinese debtor abscond, and be known to have property, real or personal, within the Chinese tertitory, it shall be the duty of the Chinese anthorithes, on application by, and in concert with, the liritish consul, to do their utmost to see jutiee done between the parties.
3. It is agreed that British subjects shall pay, na all merchandise imported or exported by then, the duties described by the tariff; but in no case shall they be called upon to pny other or higher duties than are required of the subjects of any othe foreign nation.
25. Imart duties shall be considered payable on the landing of the goods, and duties of export oa the shipment of the same.
? Whereas the taritt fixed by Article 10 of the trenty of Nanking, and which was estimited so as to impose on imports and c:-ports a duty at about the rate of $\bar{j}$ per cent. ad valerem, bas been found, by reason ot the fall in value of various articles of merchandise, thercin enumerated, to impose a duty upon these considerably in execss of the rate originally assumed as above to be a fitir rate, it is agreed that the said tarilf shall be revised, and thint as soon as the treaty shall have been signed, application shall be made to the limperor of China to depute a high oftiecr of the Board of kevenue to meet, at Shanghai, ofiecrs to be deputed on behalf of the IBritish Covenmeat, to consider its revision together, so that the tariff, as revised, may come into operation immediately after the ratification of this treaty.
27. It is agreed that either of the high contacting partics to this treaty may demand a farther revi $\cdot 1$ of the tariff, and of the commercial articles of this treaty, at the end of 10 years; but if no demand be made on either side within 6 months after the end of the first 10 years, then the tariff shall remain in force for 10 yeare more, reckoned from the end of the preceding 10 years; ani so it shall be, at the end of each successive perive of 10 years.
28. Whreus it was agreed in Arts de 10 of the troaty of Nankiug, that liritish imports, having pail the tariff duties, should be conveyed into the interior 'ree of all further charges, except a transit duty, the amount whereof was not to exceed a certain precentage on tarill value; aml whereas tho accurate information having been furnislicel of the amount of such rluty, Britis! merehants have constantly complained that charges are suidenly ard arbitratily imposed by the provincial nuthorities as transit duties upon produce on its way to the foreign market, and on imports on their way into the interior, to the detriment of trule ; it is agreed that within 4 months from the signing of this treaty, at all ports now open to lirivish trade. and within a similar period at all ports that may hereafter bo opened, the authority appointed to superintend the collection of duties thall bo obliged, upon application of the consu', ti, declare the amount of duties leviable on produce between the place of production and the port of shinment, and ulon inports between the consular port in yuestion and the inlanl markets named by the consul; and that $a$ notitication thereof shall be publisiod in Vinglish and Chinese for general Information.
luat it shall be at the option of any British subject, desiring to convey produce purchased inland to a port, or to convey imports from a port to an inland market, to clear his groods of all transit duties, by payment of a single charge. The nmount of this charge shall be leviable on exports at the first barrier they may have to pass, or, on imports, at the port at which they are landed; and on payment thercof, a certificate shall be issucd, which slanll exempt the goods from all further inland charges whatsoover.

It is further agreed, that the amount of this charge shall be calculatel, as nearly ns possible, at the rate of $2 f$ per cent., ad valorem, and that it shall be fixed for each article at the conference to be held at Shanghai for the revision of the tariff:

It is distinctly understood that the payment of transit dues, by commutation or otherwise, shall in no way atfect the tarifl duties on imports or exports, whici will continue to be levied separately and in full.
29. British merchant-vessels, of more than 100 tons burden, shall be charged tonnage-dues at the rate of 4 mace per ton; if of 150 tons and under, they shall be charged at the rate of 1 mace per ton.

Any vessel clearing from any of the open ports of Chinn for any other of the open ports, or for llong Kong, shall be entitled, on application of the master, to a special certiticate from the customs, on exhibition of which she shall be exempted from all further payment of tonnagedues in any open port of China, for a period of 4 months, to be reckoned from the date of her port clearance.
30. The master of any British merchant-vessel may, within 48 hours after the arrival of his vessel, but not later, decide to depart without breaking bulk, in which case he will not be subject to pay tomnage-dnes. But tonnage-dues shall be held due after the expiration of the said 48 hours. No other fees or charges upon entry or departure shall be levied.
31. No tonnage-dues shall be payable on boats employed by british subjects in the conveyance of pnssengers, baggage, letters, artieles of provision, or other articles not subject to duty, between any of the open ports. All cargo boats, however, couveying merchandise subject to duty shall pay tonnage-dues once in 6 months, at the rate of 4 mace per register ton.
32. The consuls and superintendents of customs shall consult together regarding the erection of beacons and lighthouses, and the distribution of buoys and light-ships, as occasion may demand.
33. Duties shall be paid to the bankers, anthorised by tho Chinese Government to reecive the same in its behalf, either in sycec or in foreign money, according to the assay made at Cunton on the 13th duy of July, 1843.
3.1. Sets of standard weights and measures, prepared according to the standsrd issuc to the Canton Custom-house by the Board of Revenue, shall be delivered by the superintendent oí eustoms to the consul at each port, to secure uniformity and prevent confusion.
35. Any British merchant-vessel arriving at one of the open ports, shall be at liberty to engage the services of a pilot to take her into port. In like manner, after she has discharged all legal dues and duties, and is ready to take her departure, she shall be allowed to select a pilot, to conduct her out of port.
36. Whenever a British merchant-vessel shall arrive off one of the open ports, the superintendent of customs shall depute cne or more customs officers to guard the ship. They shall either live in a boat of their own, or stay on board the ship, as may best suit their convenience. Their food and expenses shall be supplied them from the custom-house, and they shall not be entitled to any fees whatever from the master or consignee. Should they violate this regulation, they shall be punished proportionately to the amount exacted.
37. Within 24 hours after arrival, the ship's papers, bills of lsding, \&c., shall be lodged in the hands of the consul, who vill, within a further period of 24 hours, report to the superintendent of customs the name of the ship, her register tonnage, and the nature of her cargo. If, owing to neglect on the part of the master, the above rule is not colaplied with, within 48 hours after the ship's arrival, he shall be liable to a finc of 50 taels for every day's delay; the total amount of penalty, however, shall not exceed 260 tacls.
The master will be responsible for the correctness of the manifest, which shall contain a full and true account of the particulars of the cargo on board. For presenting a false manifest, he will subject himself to a fine of 500 taels; hut he will be allowed to correct, within 24 hours after delivery of it to the customs officers, any mistake he may discover in his manifest, without incurring this penalty.
38. After receiving from the consul the report in due form, the superintendent of customs shall grant the vessel a permit to open hatches. If the master shall open hatches and begin to discharge any goods withont such permission, he shall be fined 500 tacls, and the gools discharged shall be confiscated wholly.
39. Any British merchant who has cargo to land or ship, must apply to the superintendent of customs for a special permit. Cargo landed or shipped without such permit, will be liable to contiscation.
40. No transhipment from one vessel to another can be made without special nermission, under pain of confiscation of the groods so transhipped.
41. When all dues and duties shall have heen psid, the superintendent of customs shall give a port-clearance, and the consul shall then return the ship's papers, so that she may depart on her voyage.
42. With respect to articles subject, according to the tariff, to an ad valorem duty, if the Britisli merchant eannot agree with the Chinese officer in
tixing a value, then each party shall call tw three merchants to look at the groods, and highest price at which any of these mereh would be witling to purchase them, shull be sumed as the value of the groods.
43. Dutiesshali be charied upon the nett we of each article, making a deduction for the weight of congee, \&c. 'To fix the tare on article such as tea, if the British merchant car agree with the custom-house othicer, then e party shall choose so many ehests ont of et 100, which being first weighed in gross, afterwards be tared, and the average tare u these chests shall be assumed as the tare upon wiole; and upon this principle shall the be fixed upon all other goods in packages. there should be my other points in disp which cannot be settled, the British mereit may appeal to his consul, who will commu cate the particulars of the caso to the perintendent of customs, that it may be equ ably arranged. But the appeal mast be mi within 24 hours, or it will not be uttended While such points are still unsettled, the sup intendent of customs shall postpone the in sert of the same in his books.
44. Upon all dumaged goods a fair reduction duty shall be allowed, proportionate to their terioration. If any disputes arise, they shall settled in the manner pointed out in the clause this treaty having reference to articles which $p$ duty ad valorem.
45. British merchants who may have import merchandise intr any of the open ports and pa the duty thereon, if they desire to re-export same, shall be entitled to make application to t superintendent of customs, who, in order to ps vent frand on the revenue, shall cause pvanin tion to be made by suitable officers, to see th the duties puid on such goods, as entered in ti custom-house books, correspond with the repr sentation made, and that the goods remain wit their origimal marks unchanged. He shall the make a memorandum on the port-clearance of t goods and of the amount of duties paid, and d liver the same to the merehant; and shall al certify the facts to the officers of customs of th other ports. All which being done, on the arriv in port of the vessel in which the goods are lade everything heing found on examination there correspond, she shall be permitted to break bul and land the said goods, without being subje to the payment of any additional duty thereo But if, on such exsnaination, tho superiatender of customs shall detect any fraud on the revea in the case, then the goods shall be subject to cor fiscation by the Chinese Government.
British merchants desiring to re export dut paid imports to a foreign country, shall be titled, on complying with the same conditions in the case of re-exportation to another port China, to a drawback-certificate, whiel shall be valid tender to the castoms in payment of ampo or export duties.
Foreign grain brought into any port of Chir in a British ship, if no part thereof has bee lunded, may be re-exported without hindrance.
46. The Chinese autherities at each pert sh adopt the means they may judge most proper p:event the revenue suffering from fraud or sulus gling.
47. British merchant-vessels are notentitled resort to other than the ports of trade dedar open by this treaty. They are not unlawfulty enter other ports in Chinu, or to carry on clande tine trade along the coasts therent., Ane vess violating this provision shail, with her carge,
ench party shall call two or look it the grods, and the hich any of these merchants o purchiso them, slunl be asof the goods. e clarried upon the nett weight king a deduction for the tarr, Re. To fix the tare on any if the British merchant canat if the British othicer, then each so muny chests out of every first weighed in gross, shall ed, and the average tare upon e assumed as the tare upon the this principle shall the tare other goods in paekages. If myy other points in dispute settled, the British merciant is consul, who will commanilars of the case to the sucustoms, that it may le equitBut the appeal must be male or it will not be attended to. or are still unsettled, the superoms shall postpone the in sertion is books. lamaged goods a fair reduction of lowed, proportionate to their deany disputes arlse, they shall be mner pointed out in the chase of ag reference to artieles which pay
erchants who may have imported any of the open ports and paid n, if they desire to re-export the of cutled to make application to the of customs, who, in order to prehe revenue, shall cause examinale by suitable officers, to see that on such goods, as entered ia the books, correspond with the repre, and that the goods remain with marks unchanged. He shall then andum on the port-clearance of the is amount of duties paid, and de to the merchant; and shull also s to the officers of customs of the All which being done, on the arrival essel in which the goods are laden, ng found on examination tiere to shall be permitted to breas bulk, said goods, without being subject it, of any additional duty thereon. exanination, the superintendent in detect any fraud on the reveaue ${ }_{c}$ Chinese Government. chants desiring to re-export dutrto a foreign country, shall be enblying with the same conditions as re-exportation to another port in awback-ccrtificate, which shall be a the castoms in payment of mport s.
in brought into my port of Chias ship, if no part thercof has been e re-exported without hindragce. inese authcrities at each port shall ns they may judge must proper to venue sulfering from fraud or slluys.
merchant-vessels are not entitledto r than the ports of trale declared reaty. They are not unlawfully to rts in China, or to carry on clandesng the coasts therenf. Any vesel provision shail, with her cargo, be
sulject to confiscation by the Chinese Governtacit.
18. If any British morchant-vessel be eoneerned in smuggling, the goods, whatever their valuo or mature, shall be subject to confiscation by the Chinese authorities, and the ship may be prohibited from trading further, and sent away as hon as her accounts shall have been adjusted and paid.
49. All penalties enforeed, or confiscations made, under this treaty, shall belong and be appropriated to the publie service of the Government of China. in. All offielal communleations addressed by the diplomatic and consular agents of ber Majesty the Queen to the Chinese nuthorities shall, lienceforth, be written in English. They will for the present be accompanied by a Chinese version, but it is undristood that, in the event of there being ay difference of meaning between the English and Chincso texts, the English Government will hold the sense as expressed in the English text to be the correct sense. This provision is to apply to the treaty now negotiated, the Chinese text of which has been earefully corrected by the English origiaal.
j1. It is agreed, that heneeforward the character barbarian shall not be applied to the Government or subjects of her Britannic Majesty, in any Chinese official document issued by the Chineso authorities, either in the enpital or in the provinces.
j2. British sinips of war coming for no hostilo nurvese, or being engaged in the pursuit of pirates, shall be at liberty to visit all ports within the dominions of the Emperor of China, and shall receive every facility for the purchase of prozisions, prosuring water, and, if oceasion require, for the making of repairs. The commanders of sueh ships shall hold intercourse with the Chinese authoritics ta terms of equality and courtesy.
33. In consideration of the injury sustained by native and foreign commerce from the prevalenee of piracy in the seas of China, the high contractiag parties agreo to concert measures for its suppression.
54. The British Government and its subjects are herely contirmed in all privileges, immunities, and advantages conferred on them by previous treaties; and it is hereby expressly stipulated, that the Bitish Government and its subjects will be allowed free and equal participation in all privileges, immanities, and advantages that may have been, or may be hereafter, granted by his Majesty the Emlperor of China to the Government or subjects of any other nation.
${ }^{5} 5$. In evidence of her desire for the cont' nuance of a friendly understanding, her Majesty the Queen of Great Britain consents to include in a separate article, which shall be in every respect of equal ralidity with the articles of this treaty, the conditions affecting indemnity for expenses incurred and losses sustained in the matter of the Canton question.
56. The ratifications of this treaty, under the band of her Majesty the Queen of Great Britain and lreland, and his Majosty the Emperor of China, respectively, slall he exchanged at Peking, within a year from this day of signature.
latoken whereof, the respective plenipotentiaries have signed and sealed this trenty.
Done at 'lien-tsin, this 26 th day of June, in the pear of our Lord 1858; corresponding with the Chinesedate the 16 th day 5 th moon of the 8 th year ciHien-Fung.

Elgin and Kincardine.
Signature of first Chinese Plenipotentiary. Signature of second Chincse Plenipotentiary. Stal of the Chinese Plenipotentiaries.

Agreement made in pursaance of Article NXVI. of the Treaty. Signed November 8, 1858.

Whereas it was provided by the treaty of Tientsin that a conference should be held at Shanghai between officers deputed by tho British Government on the one part, and by the Chineso Government on the other part, for the purpose of determiniug the amount of tariff-duties and transit-dues to bo henceforth levied, a conferenee has been held accordingly ; nnd its proceedings having been submitted to the Right ILonnurable tho Earl of Elyin and Kincardine, high commissioner and plenipoten'ary of her Britannic Majesty the Queen, on the one part ; and to Kweiliang, Hwashana, Ho Kweitsing, Mingshen, and Twau Ching-Shih, high commissioners and plenipotentiaries of his Imperial Majesty the Emperor, on the other part; these high ollicers have agreed and determined upon the revised tariff hereto appended, the rate of transitdues therewith declared, together with other rules and regulations for the better explanation of the treaty aforesaid; and do hereby agree that the said tariff and rules-the latter being in ten articles thereto ppended-shall be equally binding on the Governments and subjects of both comntries with the treaty itself.

In witness whereof, they hereto affix their seals and signatures.
Rule 1.-Urenumerated Goods.-Articles not enumerated in the list of exports, but enumerated in the list of imports, when exported will pay the nmount of duty set against them in the list of imports; and similarly, artieles not enumerated in the list of imports, but enumerated in the list of exports, when imported will pay the amount of duty set against them in the list of exports.

Articles not enumerated in cither list, nor in the list of duty-ireo goods, will pay an ad valorem duty of 5 per cent., calculated on their market value.
Rule 2.-Duty-free Goods.-Gold and silver bullion, foreign coins, flour, Indian meal, sago, biseuit, preserved meats and vegetables, cheese, butter, confectionery, foreign clothing, jewellery, plated ware, perfumery, soap of all kinds, chareoal, firewond, eandles (foreign), tobacco (foreign), eigars (foreign), wine, beer, spirits, houschold stores, ship's stores, personal baggage, stationcry, earpeting, druggeting, cutlery, foreign inedicim , and glass and crystal ware.

The above pay no import or export duty ; but, if transported into the interior, will, with the exception of persona, baggage, gold and silver bullion, and foreign coins, pay a transit duty at the rate of $2 \frac{1}{2}$ per cent. ad valorem.

A ireight or part-freight of duty-free commodities (personal baggage, gold and silver bullion and foreign coins excepred) will render the vessel carrying them, though nc other eargo be on board, liable to tonnage dues.

Rule 3.-Contraband Goods.-Import and export trade is alike prohibited in the following artieles: Gunpowder, shot, cannon, fuwling-pieces, rifles, muskets, pistols, and all other munitions and implements of war ; and salt.

Rule 4.-Weights and Mieasures.-In the calenlations of the tariff, the weight of a peeul of 100 eatties is held to be equal to $133 \frac{1}{3} \mathrm{lb}$. avoirdupois ; and the length of a chang of ten Chinese feet, to be equal to 141 English inches.
One Chinese chith is held to equal $14{ }_{i 0}{ }^{1}$ inches linglish; and 4 yards English, less 3 inches, to equal 1 chang.

Rule 5.-Regarding certain Commodities heretofore Contraband.-The restrictions affecting trade in opium, cush, grain, pulse, sulphur, brimstone,
sultpetre, and spelter, are rulaxed, under the following conditions :-

1. Opium will henceforth pay 30 taels per peenl import dity. The importer will sell it only nt the port. It will be carried into the interior hy Chinese only, and only as Chinese property; the foreign trader will not be allowed to nccompany it. The provisions of Article 9 of the Treaty of Tien-tsin, by which British subjects are nuthorised to proeced into the interior with passports to trade will not extend to it, nor will those of Article 28 of the same treaty, by which the transit-ducs are regulated; the transit-dues on it will be arranged as the Chinese Government see fit : nor, in fiture revisions of the tarlff, is the same rule of revision to be applied to opium as to other goods.
2. Copper Cash.-The export of eash to any foreign port is prohibited; but it shall be lawful for Britisl2 subjects to ship it at one of the open ports of China to another, on compliance with tho following regulntion:-The shipper shall give notice of the amount of cash ho desirts to ship, and the port of its destination, and shall bind himself, either by a bond with two suflicient sureties, or by depositing such other sceurity as may be deemed by the customs satisfactory, to retmrn, within six months from the date of clearance, to the collector at the port of shipment, the certiticate issued by him, with an acknowledgment thercon of the receipt of the cash at the port of destination, by the collector at that port, who shall thereto affix his seal ; or, failing the procinction of the certificate, to forfeit a sum equal in value to the cash shipped. Cash will pay no duty inwards or outwards; but a freight or part-freight of cash, thoug! no other cargo be on board, will render the vessel carrying it liable to pay tonnage-dues.
3. The export of rice and all other grain whatsoever, native or forcign, no matter where grown or whence imported, to any foreign port, is prohibited; but these commodities may be carried by I'ritish merchants from ons of the open ports of China to another, under tho samo conditions in respect of security as cash, on payment at the port of shipment of the suty specified in the tariff.

No import duty will be leviable upon rice or grain ; but a freight or part-freight of rice or grain, though no other cargo be on board, will render the vessel importing it liable to tonnage-dues.
4. Pulse.-The export of pulse and bean-cake from Tung-chau and Niu-chwang, under the British flag, is prohilited. From any other of the open ports, they may be shipped on payment of the tariff-duty, either to other ports of China or to foreign countries.
5. Saltpetre, sulphur, brimstone, and spelter, being munitions of war, shall not be imported by British subjects, save at the requisition of the Chinese Government, or for sale to Chinese duly autherised to purchase them. No permit to land then vill be issued until the customs have proof that tho necessary anthority has been given to the purchaser. It shall not be lawful for British subjects to earry these commodities up tine Yang-tze-kiang, or into any port other than those open on the seaboard, nor to nccompany them into the interior un behalf of Chinese. They must be sold at the ports only ; and except at the ports they will be regarded as Chinese property.

Infractions of the conditions, as above set forth, under which trade in opium, cash, grain, pulse, saltpetre, brimstone, sulphur, and spelter may be henceforward carried on, will be punishable by confiscation of all the goods concerned.

Rule 6.-Liability of Vessels entering Port.To the prevention of misunderstanding, it is agreed that the term of 24 hours, within which British
vessels must be reportel to the consul un Article 87 of the treaty of Tien-tsin, shall muderstood to commence from the time a lirit vessel comes within the limits of the port ; as the term of $\therefore 8$ hours allowed her by Article 3 the same trenty to remain in port without ment of tonnage-dues.
The limits of the port shall be defined by customs, with all consideration for the convenie of trade, compatible with due protection of revenue ; also the limits of the unchorages witl which lnding and discharging is permitted by customs; and the same shall be notified to t consuls for public informatlon.

Rule 7.-Transit Dues.-It is agreed t Artiele 28 of the trenty of Tien-tsin snall be terpreted to deelare the amount of transit-di legally leviable upon murchandise imported exported by British subjects, to bo $\frac{1}{2}$ of the tari duties, except in the case of the duty-free goo liable to a transit-duty of 24 per cent. ad valoret ns provided in Article 2 of these rulcs. Mercha dise shall be cleared of its transit-dues under $t$ following conditions:-

In the case of Imports.-Notice being givea. the port of entry from which tho imports are be forwarded iniland, of the nature and quantit of the goods, the ship from which they hare bee landed, and the place inland to which ther a bound, with all other necessary partieulars; the eo lector of customs will, on cue iaspection made, an on receipt of the transit-duty due, issue a transit duty certificate. This must be produced at erer barrier station, and vised. No further duty wil be leviable upon imports so certiticated, no matte how distant the place of their destination.
In the case of Exports.- Produce purchased by a British subject in the interior will be inspecte and taken account of at the first barrier it pase on its way to the port of shipment. A memorandum, showing the amount of the produce and th port at which it is to be shipped, will be deposited there by the person in charge of the pruduce; he will then receive a certificate, which must be exhibited and vised at every barrier on his way 1 the port of shipment. On the arrival of the produce at the barrior nearest the port, notice mu be given to the customs at the port, and the tran sit-dues due thereon being paid, it will be paseed On exportation the produce will pay the ${ }^{+}$riff-duty

Any attempt to pass goods inward or ariward otherwise than in compliance with the $\mathbf{r}$, $\mathbf{c}$ her laid down, will render them liable to co:tiscation:

Enauthorised sale, in transitu, of goods tha have been entered as above for a port, will rende them liable to confiscation. Any attempt topa: goods in excess of the quantity specified in ti certificate, will render nll the goods of the sam denomination named in the certificate liable confiscation. Permission to export produce whic cannot be proved to have paid its transit-due will be refused by the customs until the transi dues shall have been paid.

The above bring the arrangement agreed to $n$ garding the transit-dues, which will thus be lerig once and for all, the notification required und Article 28 of the treaty of Tien-tsin, for the infor mation of British and Chinese subjects, is hend dispensed with.

Rule 8.-Foreign Trade u.der Passports.-1t agreed that Article 9 of the treaty of Tien -s shall not be interpreted as authorising Bitio suljects to enter the capital city of Peking $f$ purposes of trade.

Rule 9.-Abolition of the Meltage Fec.-lt agreed that the percentage of 1 tacl 2 mac hitherto charged in excess of duty-payments,
defray the expenses of melting by the Chinese Government, shall be no longer levied on Briti-h sultiects.
Rude 10.-Collection of Duties under one System at all l'orts.-It being, by treaty, at the option of the Chinese Government to adopt what means appuar to it best suited to protect its reverme, acerruing on Lbitish trade, it is agreed that one unitorm system shall be enforeed at every port.
The high officer appointed by the Chinese (inverment to superintend forcign trade, will accordingly, trom the to thme, either himself visit, or will send a deputy to visit, the different ports, The said high ollieer will be at liberty, of his own choice, and independently of the suggestion or nomination of nny British anthority, to select nnv British subject lie may see fit to aild him in the administration of the customs revenue; in the
prevention of smughling ; in the definition of port boumbaries; or in disclarging tho dhates of har-lumr-master; also in the distribution of light:, lmoys, beacons, and the like, the muintenmere of which shall be provided for out of the tomagedums.
The Chinese dovermment will alopt what mensures it shall tind requisite to prevent smurgling up the Yang-tze-kiang, whon that river shall be op ned to trade.
Done ai Shanghai, in the province of Kiang-su, this 8th day of Noveniber, in the yerar of our Lorid 1858 , being the 3 rd day ot the 10th moms of the 8th year of the reign of llien-fiung.

Fagin and Kincambine.
Signatures and Seal of the Five Chineso lligh Commissioncts mom Plenipotentiaries.

| Articler | Quantities | 1unty | Articles | Suantitios | Duty |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1un cat ine |  | Cotton thread |  |  |
| douftatuld | " | $\begin{array}{llll}0 & 6 & 3 & 0 \\ 1 & 0 & 0 & 0\end{array}$ |  |  | 11700 |
| Thestuax, yellow | " | $\begin{array}{llll}1 & 0 & 0 & 0 \\ 0 & 1 & 5 & 11\end{array}$ | Cow heroar, la Cuth | 1019 crity | $\begin{array}{llll}1 & 5 & 0 \\ 0 & 1 & 0\end{array}$ |
| Betel sat husk | " | $\begin{array}{llll}0 & 1 & 5 & 1 \\ 0 & 1 & 7 & 5\end{array}$ | Eicphans' teeth, whele | $10 \%$ cather | $\begin{array}{llll}0 & 1 & 8 & 0 \\ 3 & 1 & 0 & 11 \\ 3 & 10 & \end{array}$ |
| Tlicha-de miar, hinck : | * | $\begin{array}{llll}1 & 5 & 0 & 0 \\ 0 & 3 & 5 & 0\end{array}$ | Funthers, king ishors', prearock; | liin | $\begin{array}{llll}3 & 1 & 0 & 0 \\ 11 & 4 & 0 & 0\end{array}$ |
| Birds' nests, 1at quality | caty | (1) 5 it 0 | Fish maws ${ }^{\text {a }}$, | 1) Meatties | $\begin{array}{llll}1 & 4 & 0 & 0 \\ 1 & 1 & 0\end{array}$ |
| yend 3 rd , nrunleaned | " | $\begin{array}{llll}0 & 4 & 5 & 0 \\ 0 & 1 & 6 & 1 \\ 0 & & \end{array}$ | Plints ${ }^{\text {skins }}$ | $\cdots$ | $\begin{array}{llll}0 & 2 & 0 & 0 \\ 0 & 11 & 3 & 11\end{array}$ |
| nutome, bras | gross | 01053 | Ciambler | "' | $\begin{array}{lll}0 \\ 0 & 1 & 3 \\ 0 & 0\end{array}$ |
| Campher, Laroos, clean | ciaty | 1 3010 | Ciamboze | . | $\begin{array}{llll}1 & 0 & 0 \\ 0\end{array}$ |
| (ampre refuse | , | 0 i 20 | Ginseng, American, crude | " | $\begin{array}{llll}6 & 11 \\ 4 & 11\end{array}$ |
| Canvas and cotton that nol ex. creding 51) yds. long Cadanoins, superior nterior, or grains of Paradhe | piece | 0400 | Glacs, window claritied | bex of jineme fi. | $\begin{array}{llll}4 & 11 & 0 & 0 \\ 11 & 1 & 5 & 0\end{array}$ |
|  | 100 cinties | $\begin{array}{llll}1 & 0 & 1 & 0 \\ 0 & 5 & 11 & 0\end{array}$ | lilue | lut cattu, | 0 1) 00 |
|  | ", | $\begin{array}{llll}0 & 5 & 1 & 0 \\ 1 & 5 & 0 & 0\end{array}$ | lieid thraal, real | catly | $\begin{array}{llll}1 & 1 & 0 & 0 \\ 0 & 0 & 3 & 0\end{array}$ |
| Cinamun: $:$ |  | $1 \begin{array}{llll}5 & 0 & 0\end{array}$ | Gimm benjuninitation. | 100 catios | 0 0 3 0 <br> 145    |
| $\underset{\text { Clorks }}{\substack{\text { Clores } \\ \text { Co}}}$ | ${ }_{3}^{5}$ jer cont. | $0 \%{ }^{\text {ad ral. }} 0$ | (imm benjunin oll of | 100 catio.s | $\begin{array}{llll}19 & 6 & 0 & 0 \\ 0 & 1 & 11 & 0\end{array}$ |
| ${ }^{\text {Clores }}$ mother | 〕(H) cottc | $\begin{array}{llll}0 & 3 & 0 \\ 0 & 8 & 0\end{array}$ | Gum urazon's blood | " | $\begin{array}{llll}0 & 1 & 0 & 0 \\ 11 & 4 & 6 & 0\end{array}$ |
| Coal, firselgn | ton | $\begin{array}{llll}0 & 0 & 0 \\ 5 & 0 & 0\end{array}$ | Inyrih - | ", | $\begin{array}{llll}11 & 1 & 5\end{array}$ |
| Cochueal - | 106) catties | $\begin{array}{llll}5 & 0 & 0 & 0 \\ 11 & 1 & 0 & 0\end{array}$ | olibamum | ", | $\begin{array}{lll}11 & 3 \\ 1 & 0 \\ 0\end{array}$ |
| Coral - | catty | $\begin{array}{llll}10 & 1 & 0 & 0 \\ 0 & 3 & 5 & 0\end{array}$ | Hider, hinlinio and cow |  | 11050 |
| fordage, Manilla | 100 catios | $\begin{array}{llll}0 & 3 & 5 & 0 \\ 0 & 3 & 11 & 1\end{array}$ | rhinoceros | , | $\begin{array}{ll}1 \\ 4 & 2 \\ 0\end{array}$ |
| Comellans . | 100 stmey | $\begin{array}{llll}0 & 3 & 10 \\ 7 & 0 & 0 & 0\end{array}$ | Ilurns, builialo | " | 11 |
| lueads | 100 cation | $\begin{array}{llll}7 & 0 & 0 & 0 \\ 0 & 3 & 5 & 0\end{array}$ | deer dinoct | " | 1 |
| Couton, riw - <br> Cotion piete gonds: | " |  | Indigo, tiquild | "', | $\begin{array}{llll}1 & 1 & 5 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 1 & 8 & 0\end{array}$ |
| Cotton plete gonds: <br> firey, white, plain, and |  |  | Jsinklass . | $\because$ | $\begin{array}{lll}11 & 6 & 3\end{array}$ |
| Grey, white, diain, raceediog is in. |  |  | L.acquered-ware | $\cdots$ | 10060 |
| wide, and not eacreding 11 |  |  | leather - | " | 0120 |
| yds. long | pisere | $\begin{array}{lllll}0 & 0 & 8 & 0\end{array}$ | Lhell, fne, as 1 rins or soothy, | pies | 0500 |
| raceedlog in in. whit, ant exceeding 10 yits. long | prety 10 yards | 0 0 \% 0 | coarse, as linen sud coton, or | piere | 0 |
| ing 30 ini. wide, and not es. cerding 10 yds. long not tacueding 30 3n. whide, |  |  | nilk and linen mixtures, not exceeding 50 yds. leng |  | 0 |
|  | pitre | 0 1 1 0 0 | Iucrulan betd |  | $\begin{array}{llll}10 & 1 & 3 & \\ 1 & 0 & 4 & \end{array}$ |
|  |  |  | Mace ${ }^{\text {Mangrove hark }}$ | " | $\begin{array}{llll}1 & 0 & 11 & 0 \\ 0 & 0 & 5 & 0\end{array}$ |
| and not eaceedins 30 oth. lunte |  | 0075 | Mctats: | '. |  |
| T.clathe, not exceeding is <br> in. wude, and pot eaceeding <br> 45 yds. long <br> tit urealine 31 in . wide, |  |  | Copmer, manufactured, as in sbeets, rods, nails | ' | 1500 |
|  | " | $0 \begin{array}{llll}0 & 0 & 8 & 0\end{array}$ | $\begin{aligned} & \text { slatus } \\ & \text { unimetute as In } \end{aligned}$ | , | 1000 |
| not exceeding it in. wide, and not eaceeving 21 , w. long | " | 0 O 10 | yellow metal, sheathing. amel nails <br> Jatin | $\because$ | $\begin{array}{llll}2 & 0 & 0 & 0 \\ 0 & 9 & 0 & n \\ 0 & 6 & 11 & 0\end{array}$ |
| Cotton, dyed, figured and plain, not esceeding 3 i in. wide. |  |  | Ją̧ın <br> Iron, inatnufactured, as in sheeta, roik, bars, hoop, | " | $\begin{array}{llll}0 & 6 & 11 & 0 \\ 0 & 1 & 2 & 5\end{array}$ |
| long, wite lirocades and | " | 0150 | unmanulactured, as in |  | 0 \% |
| faocy. white lirocades and white spotted shirtings, not |  |  | kentleise | ", | 11010 |
| escetding 36 in . wide, and |  |  | vise - | , | 1 2 6 <br> 1 1 6 |
| not paceeding 40 yifs. lung printel, chintrew and fu ni- | " | 0 | Iead, in pigs | ", | $\begin{array}{llll}11 & 2 & 5 & 0 \\ 0 & 5 & 5 & 11\end{array}$ |
| cure, nut eaceeding 31 in . |  |  | Quickillver | " | $\begin{array}{llll}0 \\ 8 & 0 & 0 & 0\end{array}$ |
| wide, and not excerding 311 yds. long |  | 0 | Spelter (saleable only under regulation appended) |  |  |
|  | " | 0 | Steel | ' | $0{ }_{0}^{1} 2050$ |
| camlitics, not esceeding 46 |  |  | 2in - - | " | $\begin{array}{llll}1 & 2 & 5 & 6 \\ 1 & 1 & 1 & 0\end{array}$ |
| 21 yds. Jonk giturceeding 16 in wide, | " | 0070 |  | ". | (1) $\begin{array}{lll}1 & 1 & 0 \\ 2 & 0 & 0\end{array}$ |
|  |  |  | Mother ${ }^{\text {a mearl sinell }}$ - | "iderceent. | $0{ }^{0}$ ad ral. |
| and mos accesing 12 | " | 01933 | Alussels, dried - | 140 cathes | $0 \% 00$ |
| mualios, not exceeding 46 in . |  |  | Nutmeg ${ }^{\text {arives }}$ | * | $\begin{array}{llll}4 & 5 & 0\end{array}$ |
| Wide, and not exce ding 's! yds. lang |  | 11 ; 5 | Osvest unplekled, sill |  | 0180 |
|  | " |  | Ophin - | " | $31)$ |
| not exceeding lifin. wide", and not excerding 12 |  |  | fepler, hlack | - | $\begin{array}{llll}0 & 5 & 1 & 1 \\ 0 & 5 & i & 1 \\ 0\end{array}$ |
| and not excerding 12 vdy. Jong | '* | 0 | Jrawns, dried white | ", | $\begin{array}{lllll}0 & 3 & 1 & 0 \\ 0 & 3 & 6 & 0\end{array}$ |
| dmanks, not exceving 36 in . wide, and not exetering 40 |  |  | jutchit - |  | $\begin{array}{llll}0 & 6 & 0\end{array}$ |
|  | + | 0200 | Hatains - | - | $\begin{array}{llll}0 & 1 & 5 & 0 \\ 1\end{array}$ |
| dimser or yuilings, not es. |  |  | Roe malots Salt fixh | ", | $\begin{array}{llll}1 & 11 & 0 & 0 \\ 0 & 1 & 8 & 0\end{array}$ |
| cettiold not excetding in wids, long | * | ( 63 | Satpetre (saleable only nuder |  |  |
|  | * |  | regulation aprended) | ', | 0 |
| in, wide, ame not exceeding 31 yds. long |  |  | Sanilal-wood - Sapm-worl - | ", | ${ }_{1} 10011$ |
|  | " |  | Saphewomm | " | $\begin{array}{lllll}1 \\ 2 & 1 & 0 & 1 \\ 2 & 0 & 0 & 0\end{array}$ |
| handzerchiffs, not exceedlag 1 yd, square |  | 2 | Sharks' lins, hlark |  | 2 5 <br> 5 5 <br>  0 |
|  | th |  | white |  | 150 |
| furian, not exceeding 35 | pis'er | 0200 | Sharke' sking | 10 | 200 |
| vilveieens, not rxceeding :i <br> 'yds. long |  |  | siver thread, real ** | Latts | $\begin{array}{llll}1 & 5 & 0 & 0 \\ 0 & 0 & 3 & 0\end{array}$ |
|  |  |  |  | " |  |

Tariff on Imports-continued.

| Artiries | Quantities | Thuty | .trticlea | Quantitios | Duty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ninew fr butiflo and deex | ${ }_{\text {coser }}^{\text {rer }}$ | it m.c.c. | Timiler ${ }^{\text {- }}$ | $100{ }^{\text {perf }}$ catiles | t. m. |
| Asins, fox, larka | vach |  | Tortaiseshell ${ }_{\text {bruken }}$ | catty | $\begin{array}{lll}10 & 2 \\ 0 & 6 \\ 0 & 6\end{array}$ |
|  | ", | (1) | Umbuelias hruken | each |  |
| seaboter tiker and leopara |  | (1) $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 1\end{aligned}$ | Welvets, not exceeding is ydt. | pilice | 018 |
| Geverer | 100 | 吕 010 | Wauter mailes | pair |  |
| doe, fare, and rabbit | " | 0 0 0 8 | Una, Japan. ${ }^{\text {anailes a perle }}$ | to carties |  |
| land oiter | " | $\stackrel{3}{4}$ | Woods, caimagon |  |  |
| $\mathrm{Smath}^{\text {racasa }}$. | 100 cattles | 20 | Etiony | " |  |
| Snutli forelgn |  | 7 2 0 0 <br> 10    | ${ }_{\text {frourint }}$ | "' |  |
| Sticktay: | " | ${ }^{11} 3$ | Kraryee, 3t ft. lonk |  |  |
|  | " | 0300 |  |  |  |
| or, ly under regulation |  |  | lata. | 10fe cattes |  |
| Thelensopees, apy | " | 0200 | Woollen manifac | " |  |
| lexk | 5 per cent. | ${ }_{1}^{\text {ad }}$ val. |  | pair | $0 \% 0$ |
| Timerner 1 - |  |  | stripes, hathit nnel mediluin |  |  |
| Mats and spars, hard woot, mot excerdink 41 ft . |  |  | (1)wh, in to tis in. wide : | chang | $0{ }^{0} 1$ |
|  | ${ }_{\text {cach }}$ | $\begin{array}{llll}4 & 0 & 0 \\ 6 & 0 & 0 & 0\end{array}$ |  | " | ! |
| ditio, etctedibs tiof $f$. <br> tof wood, nat excreding | " | $\begin{array}{llll}10 & 0 & 1 & 0\end{array}$ | hutith, $33 \ln$. wide imitation and bemba. | $\because$ |  |
| 40 f . ${ }^{\text {d }}$ |  | 200 | ${ }^{\text {zetrea }}$ | 0 | 00 |
|  | " | [ $\begin{array}{lllll}4 & 3 & 0 & 0 \\ 6 & 3 & 0 & 0\end{array}$ | ${ }_{\text {casumer-w, flanuel and nar: }}^{\text {raw cloth }}$ |  |  |
| Beams, hard woud, not |  |  | lasting, $31 . \mathrm{in}$. wide | " | 05 |
| under ly in square | " | 0150 | in. wide |  | 00 \% |
|  |  |  | unting, not exceeding 24 in : | plec |  |
| witle, and 3 in thet ${ }^{\text {a }}$ | 100 | 3500 | Nd cotthn mixtures, vix.; | plec | 02 |
| ditto, not enceeding 1 ff f . lomp, 12 in. wide, and 3 th. |  |  | luvtres, plain and brocaded, not eacceding 31 yds, tong |  |  |
| thick coft wood : |  | $\begin{array}{llll} \\ 0 & 0 & 0 & 0 \\ 0 & 7 & 1 \\ 0\end{array}$ | Inferior Sypaniah stripes yarn | chang 100 catties | $\begin{array}{lll}0 & 1 \\ 3 & 1 \\ 3 & 0\end{array}$ |

Tariff on Exports.


| Quanities | Duty | Articles |
| :---: | :---: | :---: |
| $100 \mathrm{carties}$ | t. $\mathrm{m}_{0} \mathrm{c}_{4} \mathrm{c}_{5}$ | Glass lreads - |
| " | $\begin{array}{llll}0 \\ 0 & 1 & 0 & 0 \\ 0 & 5 & 0 & 0\end{array}$ | Grass witrified ware |
| " | $\begin{array}{llll}0 & 5 & 0 & 0 \\ 0 & 2 & 5 & 0\end{array}$ | Grass clath, fine coarve - |
| " | $\begin{array}{llll}5 & 0 & 0 & 0 \\ 0 & 4 & 5 & 0\end{array}$ | Ground-nute |
| " | $\begin{array}{llll}0 & 4 & 3 & 0 \\ 0 & 4 & 5 & 0\end{array}$ | Oypaum, ground, ar plaster of |
| " | $\begin{array}{llll}1 & 5 & 0 & 0 \\ 0 & 7 & 5 & 0\end{array}$ | Paris canala* - |
| " | $\begin{array}{llll}0 & 7 & 5 & 0 \\ 0 & 5 & 0 & 0\end{array}$ | Halr, cararid ${ }^{\text {moats }}$ - |
|  |  | Hams Hartall or orplment: |
| " | 00600 | Herrip or ofyent |
|  | $\begin{array}{lllll}0 & 0 & 3 & 5\end{array}$ | Haney, deer's, young |
| " | $1 \begin{array}{llll}1 & 5 & 0 & 0\end{array}$ |  |
|  | $\begin{array}{llll} \\ 0 & 0 & 0 & 0 \\ 3 & 5 & 0 & 0\end{array}$ | Indian ink Indigo, dry: |
| " | $\begin{array}{llll}1 & 0 & 0 & 0\end{array}$ | Indigo, dry : |
| " | $\begin{array}{lllll}1 & 1 & 5 & 0 \\ 0 & 7 & 5 & 0\end{array}$ | Jow-bticta - C (tysols, or paper umbrella |
| 1,000 | $\begin{array}{llll}0 & 5 & 5 & 0 \\ 0 & 5 & 1 & 0\end{array}$ | Lacquared ware umbrelia |
| 100 catties | $\begin{array}{llll}2 & 0 & 0 & 0 \\ 0 & 3 & 0 & 0\end{array}$ | Lamp-wicks. |
| 100) | $\begin{array}{llll}0 & 3 & 0 & 0 \\ 3 & 5 & 0 & 0\end{array}$ | liead, red (minjum) |
| 100 catties | $\begin{array}{llll}0 & 6 & 0 & 0 \\ 0 & 8 & 0 & 0\end{array}$ | yellow (massicol) |
| " | $\begin{array}{llll}0 & 8 & 0 & 0 \\ 0 & 1 & 5 & 0\end{array}$ | Lexather articles, as pouch |
| * | $\begin{array}{llll}9 & 0 & 0 & 0\end{array}$ | green - |
| " | $\begin{array}{llll}0 & 2 & 0 & 0 \\ 0 & 1 & 0 & 0\end{array}$ | Lichey Lill llowe 3 , diried : |
| " | $\begin{array}{lllll}0 & 1 & 0 & 0 \\ 0 & 1 & 3 & 0\end{array}$ |  |
| " | $\begin{array}{llll}0 & 9 & 0 & 0 \\ 0 & 4 & 5 & 0\end{array}$ | İquarice : |
| " | $\begin{array}{lllll}0 & 4 & 5 & 0 \\ 0 & 7 & 5 & 0\end{array}$ | Lung ngan without the |
| ", | 15000 | Manure cakes, or poudrette |
| " | $\begin{array}{rrrrr}10 & 0 & 0 & 0 \\ 0 & 0 & 4 & 0\end{array}$ | Marthe xlabs ${ }^{\text {Nats of all kinds }}$ |
| " | 0) 100 | Mationg Elil |
| " | $0 \begin{array}{llll}0 & 5 & 0 & 0\end{array}$ | Melon reeda |
| " | $\begin{array}{llll}0 & 5 & 0 & 0 \\ 1 & 1 & 5 & 0\end{array}$ | Mather $0^{\circ}$-puarl ware |
| ", | $\begin{array}{llll}1 & 1 & 5 & 0 \\ 0 & 3 & 5 & 0\end{array}$ | Mushroama . |
| ", | $\begin{array}{llll}0 & 3 & 5 & 0\end{array}$ | Nankeen and native cotton claths |
|  | $\begin{array}{llll}0 & 0 & 4 & 5 \\ 0 & 3 & 6 & 0\end{array}$ | Nutualls ${ }^{\text {a }}$ - |
| ${ }_{100}^{\text {caty catties }}$ | $\begin{array}{llll}0 & 3 & 6 & 0 \\ 0 & 5 & 0 & 0\end{array}$ | Oil, as hean, taen, wood, cotion, and hemp seed |
|  | $\begin{array}{lllll}1 & 5 & 0 & 0\end{array}$ | Oiled paper |
| 6 per cont. | a val. | Olire need - |
| 100 catties | 0 | Oyater-ahell, aea-dhella |
|  | $\begin{array}{llll}0 & 1 & 9 & 0 \\ 0 & \mathbf{B} & \mathbf{0} & 0\end{array}$ | Paint (green) ${ }^{\text {Palampore }}$ or coten bed-quilts |
| caty | $\begin{array}{lllll}0 & 8 & & 0 \\ 0 & 3 & 0 & 0 \\ 0 & 3 & 5 & 0\end{array}$ | Polampore, or coton bed-quilts Papur, |
| 100 | $\begin{array}{llll}0 & 7 & 5 & 0\end{array}$ | Pame, ind quality |
| 1,000 | $\begin{array}{llll}0 & 0 & 4 & 3 \\ 0 & 3 & 6 & 0\end{array}$ | Pearit, falne - Peel, orange |
|  | $\begin{array}{llll}0 & \% & 0 & 0\end{array}$ |  |
| 100 catties | $\begin{aligned} & 0 \\ & 0 \end{aligned} 10$ | Peprermint led 2nd quality |
| 1(1)1 <br> 100 cottles | $\begin{array}{llll}1 & 2 & 5 & 0 \\ 0 & 6 & 0 & 0\end{array}$ | Peppermint leaf all : |
| 10n cottes | 1 -1 0 00 | Pictures nud paintings |
|  | $\begin{array}{lllll}0 & 0 & 3 & 3\end{array}$ | Pottery on pith or fire-pape |
| 5 per cent. cotty |  | Pritery, earthenware Preserves, comfits, and awest- |
| - | 0350 | meats - |


| Quantlites | Duty |
| :---: | :---: |
| 100 catties | ${ }_{0}^{\text {t. m. mic }}$ |
| \% | $\begin{array}{lll}0 & 50 \\ 9 & 0\end{array}$ |
| $\ddot{\prime \prime}$ | ${ }^{9}{ }^{2} 56$ |
| " | $\begin{array}{lll}0 \\ 0 & 0\end{array}$ |
| " |  |
| "', | $\begin{array}{lll}0 & 0 \\ 1 & 3 & 3 \\ 10 & 0\end{array}$ |
| " | 018 |
| " | $\begin{array}{llll}0 \\ 0 & 5 \\ 0 & 3 \\ 0\end{array}$ |
| " | ${ }^{0} 5$ |
| pair | 0  <br> 0  <br> 0 9 |
| 100 catties | 13 |
| " | $\begin{array}{lll}1 & 0 \\ 1 & 0 \\ 0 & 0\end{array}$ |
| ${ }_{100}^{\text {catty }}$ | $\begin{array}{lll}0 & 1 \\ 0 & 1 \\ 0 & 5 & \\ & \end{array}$ |
| ${ }_{100} 100$ | - |
| 100 cattes | 10  <br> 10 0 |
| " | 035 |
| " | 0 0 |
| " | 50 |
| " | 1  <br> 1  <br> 0 3 |
| " | \% ${ }^{0}$ |
| " | 0 5 <br> 0 1 <br>   <br> 0  |
| " | 0 2 <br> 0 3 |
| " | 0 0 0 0 |
| ${ }^{100}$ | 0 <br> 0 <br> 8 <br> 8 |
| roll ${ }^{\text {af }} 40 \mathrm{yd}$ yd. | 0 \% 0 |
| 100 cutties catty | $\begin{array}{lll}0 \\ 0 & 1 \\ 0\end{array}$ |
| 100 catties | 150 |
| $100{ }_{\text {catty }}^{\text {caty }}$ | 1900 |
| * | 050 |
| " | 03 |
| " | 03 |
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| 100 | 24 |
| 100 catties | 07 |
| " | 20 |
| " | 03 |
| " | 1 |
| " | 1 1 <br> 5 0 <br> 5  <br>   |
| ench | 1 |
| $100{ }_{c}^{\text {catties }}$ | 0 |
|  | 030 |

Turiff on Exports-continued,


Signatures and Seal of tho Five Chinese lligh Commissioners and Plenipoteutiaries.

Comrention between her Majestyand the Emperor of Clina. Signed in the English and Chinese Languages, at Peking, Octover 24, 1860.
Articte 1. A breach of friendly relations having been occasioned by the Aet of the garrison of Ta-ku, which obstructed her Britnnnic Majesty's representative when on his wny to Peking for the purpose of exchnnging the ratifications of the treaty of pence concluded at Tien-tsin in the month of Jure, 1858, his Imperial Majesty the Emperor of China expresses his deep regret at the misunderstnading so occasioned.
9. It is further expressly declared, that the arrangement entered into at Shanghai in the month of Uetober, 1858, between her Britannic Mnjosty's smbassador the Earl of Elgin and Kincardine, and his imperial Majesty's commissioners Kweiliang and Hwashann, regarding the residence of her Britaunic Majesty's representative in China, is hereby cancelled, and that, in accordance with Article 3 of the treaty of 1858, her Britannic Majesty's representative will henceforward reside perimanently or occasionally at Peking, as her Britannic Majesty shall be pleased to decide.
3. It is agreed that the scparate article of the traty of 1858 is hereby annulled; and that in lien of the amount of indemnity therein specified, his hmperial Majesty the Enıperor of China shall pay the sum of $8,000,000$ of taels in the following proportions or instalments, namely: At Tien-tsin, on or before the 30 th day of November, the sum of 3010,001 taels; at Centon, and on or before the 1st day of December, $1860,333,333$ taels, less the sum which shall have becn advanced by the Canton authorities towards tho completion of the British factory site at Shameen; and the remainder at the ports open to foreign trade, in quarterly payments, which shall consist of $\frac{1}{5}$ of the gross revenue from cistoms there collectod. The first of the said payments being due on the 31st day of December, 1800 , for the quarter terminating on that day.
It is further agreed that these moneys shall be paid irto the hands of an officer whom hier Britannie Muyesty's representative shall specially appoint to receive them, and that the aceurncy of the amounts shall, before payment, be duly ascerta ined by British and Chinese officers appointed to disclingre this duty.

In order to prevent future discussion, it ls moreover declared, that of the $8,000,000$ of taels herein guaranteed, $2,000,000$ wlll be appropriated to the indemnitication of the Britsh mercantile community at Canton, for losses sustained by them, and the remnining $6,000,000$ to the liquidation of wnr expenses.
4. It is agreed that on the day on which this convention is signed, his Imperial Majesty the Emperor of China shall open the port of Tien-tsin to trade, and that it shall be thereafter competent to British subjects to reside and trade there under the same conditions as at any other port of China by treaty open to trade.
5. As soon ns the ratifications of the treaty of 1858 shall have been exchanged, his Imperial Majesty the Emperor of China will, by decree, command the high nuthorities of every province to proclaim throughont their jurisdictions, that Chinese choosing to take service in the British colonies, or other parts beyond sea, are at perfeet liberty to enter into engagements with British subjects for that purpose, and to ship themselves and their familics on board any British vessel nt any of the open ports of China; also that the high nuthoritics aforesnid shall, in concert with her Britannic Majesty's representative in China, frame such regulations for the protection of Chincse emigrating, as above, as the circumstances of the different open ports may demand.
6. With a view to the maintenance of law and order in nid nbout the harbour of Hong Kong, his Imperinl Majesty the Emperor of China agrees to cede to her Majesty the Queen of Great Britain and Ireland, and to her heirs and successors, to have and to hold as a dependency of her Britannic Majesty's colony of Ilong Kong, thet portion of the township of Cowloon, in the province of Kwang-tung, of which $n$ lease was granted in perpetuity to Harry Smith Parkes, Esquire, Companion of the Bath, a member of the allied commission at Canton, on behalf of her Britannic Majesty's Govarnment, by Lan Tsung Kwang, governor-general of the Two Kwang.
It is further declared that the lease in question is hereby cancelled; that the claims of any Chinese to property on the said portion of Cowloon shall be duly investigated by a mixed commission of British and Chinese otlicers; and that compensation shall be a arded by the British Government
to any Chincse whose clain shall bo by the said commission established, should his removal be deemed necessary by the 13ritish fiovernment.

7 . It is agreed that the provisions of the treaty of 1858 , exerept in so far as theso are moditled ly the present convention, shall without delay come into operation as soon as the ratlications of the treaty aforesaid shall have been exchanged.

It is further agreed that no separate ratiteation of the present eonvention shall be necessary; but that it shall thke effect from the date of its slgnte turs, and be equally binding, with the traty ubove mentioned, on the high contractiner parties.
8. It Is agreed that as soon as the ratifleations of the treaty of the year 18.08 shall have been ex"himged, his Imperial Majesty the Jimperor of ('hina shall, by decree, command the high authorities in the eapital and in the provinces to print and publish the aforesnid treaty and tho present convention, for general information.
9. It is ugreed that as soon as this convention shatl have been signed, the ratifications of the treaty of the year 1858 shall have been exchanged, and an imperial decree respecting the publicntion of the suid convention and treaty shall have been promulgated, as provided for by Article 8 of this convention, Chusan shall be evaenated by her Britunnic Majesty's troops thero stationed, and her Britamic Majesty's force now before Peking shall commence its marel towards the city of Tientsin, the forts of Takn, the north coast of Shungtump, and the city of Canton, at each or all of which plaees it shall be at the option of her Majesty the Queen of Great Britain and Ireland to retrin a foree antil the indemnity of $8,000,000$ of taels, raaranteed in Article 3, shall have been paid,

I One at lekiug, in the Court of the Board of Ceremonies, on the 24th day of October, in the year of our Lord 1860.

Eicin and Kincabdine.
Signature and seal of the Chinese Plenipotentiary.

## DidnMAMK.

Concention of Commerce betueen Great Britain and Denuark, sigued at London, the $16 t h$ of Junt, ix:2l.
Article 1. From and after the 1st day of July mext, Danish vessels entoring or departing from the ports of the United Kingetom of Great Britnin and Ireland, and british vessels entering or departing from the ports of his Danish Majesty's dominions, shall not be subject to any other or higher duties or charges whatever than are or shall be levied on mational vessels enteriog or departing from such ports respectively.
2. Alt articles of the growth, produce, or manufacture of any of the dominions of either of the high cousracting parties, which are or shall be permitted to be imported into or exported trom the ports of the United Kingrom and of Denmark respectively, in vessels of the one conntry, shall, in like manner, be imported into and exported from those ports in vessels of the other.
3. All articles not of the growth, produce, or manufacture of the dominions of his Britannic Majesty, which ean legally be imported from the Enited Kingrom of Gireat Britain and Ireland into the ports and dominions of the Kingr of Denmark, in British ships, shall be subject only to the same duties as are payable upon the like articles if inmorted in Danish ships; and tle same reciprocity shall be observed with regard to Danish vessels in the ports of the said United Kingelom of Great Britain und Ircland in respeet to all articles not the growth, produce, or manuliteture of the dominions of his Danish

Majesty, which ean lerally be imported into ports of the United Kingrom in Wanish ships 4. All goods which can legally be imported the prorts of cither conntry shall be admitte the same rate of duty, whether imported in ve of the other conntry or in mational veasels; all goods which can be legally exported from ports of efther comntry shall be entitled to same bounties, drawbacks, and allownees, whe exported in ressels of the other country or national versels.
\%. No priority or preference shall be gis directly or indirectly, by tho (invermment ot eit coultry, or by any company, corporation, or agy aveting on its behalf or under its anthority, in purchase of any articlo the growth, prosluce. manufaeture of either comitry imported into other, on accome of or in reference to the chara of the vessel in which such article was import it being the true intent and meaning of the hi contruetling parties, that no ilstinction or differe whatever shall be made in this respect.
(i. The high eontraeting partles haviug mutua determined not to include ja the present cuare tion their respective eolonies, in which are con prehended, on the part of Denmark, Preenda leelund, and the islands of Ferroe ; it is express agreed that the intereourse which may at jrese legally be carried on by the subjects or ships either of the said high coatrneting parties wi the colonies of the other, shall remain upon t sume footing as if this convention had never bet concluded.
7. The present convention shall be in force f the term of 10 years from the date liercof; an further, until the end of 12 months after citier the high eontracting parties shall have give notice to the other of its intention to termina the same; each of the high contractiag partie reserving to itself the right of giving such notic to the other, at the end of the said term of ! years; and it is hereby agreed between them, tha at the expiration of 12 months after such nutir shall have been received by either party tron the other, this convention, and all the provisiu: thereof, shall altogether cease and detenniae.
8. The present convertion shall be ratified, an. the ratitications shatl be exchanged at Londey within I month from the date leereof, or soon if possible.
In wituess whereof, the respective plenipotel tiaries have signed the same, and have aftix. thereto the seals of their arms.

Done at london, the 16 th of Jume, 1824.
(imonge Canning.
W. IIUskissos.
C. E., Molitks.

## Separate Articles.

'lhe high contracting parties reserve to the selves to enter upon additional stipulations 1 the purpose of facilitating and extending, ey beyond what is comprehended in the conventi of this date, the commercial regulations of the respeetive subjects and dominions, upon the pri ciple either of reciprocal or equivalent advatag as the case may be. And in the event of a articles or article being concluded between said ligh contracting parties for giving efiect such stipulations, it is hereby agreed that article or articles which may hereafter be soe cluded shall be considered as forming part of t aforesaid convention.

## Additional Articles.

Their 13ritannic and Danislı Majesties matua agree that no higher or other duties shall be lev
legully be impurted into the Kinglom in Inanish slups. ch can legally lo imported into - country shall be admitted at ty, whether Imported in vessel, try or in untional vessels; and on be legally exported from the nutry shall be entitled to the whacks, and allowanees, whet lies els of the other country or in
or preference shall be given, tly, by the (invermanent of ither - company, corporation, or agen., If or under tts authority, in the articlo the growth, produee, on ither comutry imported into the of or in reference to the characts oforh such article was importell intent nad meaning of the hist , that no distinction or dilferne malle in this respect. it racting partles haviug mutuall o include in the present cunenive coloniea, in which are com. the part of Denmark, freenlant islands of Ferroe; it is expresly intercourse which may at presen? a on by the subjects or ships d high contracting partics with the other, shall remain upon the f this convention had never been
$t$ convention slanll be in force fut yenrs from the date hereof; and e end of 12 months after either of acting parties slanll have given her of its intention to terminate of the high contracting partios lf the right of giving such notive $t$ the enil of the said term of ? hereby agreed between them, tha: al of 12 months after such noties $n$ received by either party from convention, and all the provisin together cease and determine. ft convention shall be ratified, and s shall be exchanged at London. from the date hereof, or soones
hereof, the respective plenipoter. hered the same, and have nftised $s$ of their arms.
lon, the 16th of Jme, 1824.
Gbohge Caswing.
W. Iuskissos. C. E. Motithe.

Separate Articles.
ntracting partics reserve to thenlupen additional stipulations in facilitating and extending, evel 4 comprehended in the ennventiva e commercial regulations of their ects and dominions, upon the prineciprocal or equivalent advantages ay be. And in the event of ayr clo being concluded between the racting parties for giving eflict to ons, it is hereby nereed that tien les which may hereafter be so come considered as forming part of the ention.
Additional Articles.
mic and Dnnish Majesties mutnall! higher or other duties shall be levied
in eillacr of thair tominlons (thele respective colonies being excrpted from the convention of this date), upon nny personal property of their respective suljects, on the removal of same from the dominions of thelr snill Majesties reciprocally, wither upon the inheritance of such property, or otherwise, than are or slall be payable in each state upon the like property when removed by a subject of such state respertively.
For treaty as to ubolltion of souml dues, see Gisineuht.

Funnce.
Conrention of Navigution brtureen his Britannic Mujesty aind the Must Christian King, together uith two additional Articles thereunto anuexch. Signed at London, Junnary 26, 1826.
Aricie 1. French vessels coming from or denaring for the ports of France, or, if in ballast, coming from or departing for any place, shall not the subject, in the ports of the United Kiugdom, either on entering into or departing from the same, to any ligher duties of tonnage, harbour, lighthouse, pilotage, yuarnitinc, or other similar or arresponding duties, of whatever nature, or mender whatever denomination, than those to which British vessels, in respect of the same voynges, are ar may be subject on entering into or departing from such ports: and, reciprocally, from and nfter the same period, British vessels coming from or leporting for the ports of the United Kingdom, ur, if in ballast, coming from or departing for any phace, shall not be sulject, in the ports of France, wher in entering into or departing from the same, to any higher duties of tonnage, harbour, light-house, pilotage, quarantine, or other similar or corresponding daties, of whatever nature, or under whatever denomination, than those to which French vessels, in respect of the same voruges, are or may be subject, on entering into or dejartinu from such ports; whether such duties are collected separately, or are consolidated in one and the same duty-his Most Christian Majesty reserving to himself to regulate the amount of such duty or duties in Frince, according to the rate at which they are or may be established in the United Kingdom: at the same time, with a view if diminishing the burdens imposed upon the uaviration of the two countries, his Must Clinstian Majest $y$ will always bo disposed to reduce the amount of the snid burilens in Franec, in proportion to any reduction which may hereafter be made of those now levied in the ports of the United Kingdom.
2. Goods which can or may be legally importec. into the ports of the United Kingdom, from the ports of France, if so imported in French vessels, sall be sabject to no higher duties than if imported in British vessels; and, reciprocally, goods which can or may be legally imported into the warts of France, from the ports of the United Kingdom, if so imported in British vessels, shall be sulject to no bigher duties than if imported in French vessels. The produce of Asia, Africa, and America, not being allowed to be imported from the said countries, nor from any other, in French vessels, wor from France in French, British, or nny other vessels, into tho ports of the United Kingdom, for bome consumptioll, but only for warehoasing and re-exportation, bis Most Christian Mlajesty reserves to himself to direct that, in like manner, the produce of Asia, Africa, and America shall not be imported from the said countries, nor from any other, in British vessels, nor from the United Kingdom in British, French, or any other vessels, into the ports of France, for the consumption of that kingdom, but only for warehousing and re-exportation.

With regaril to the productions of the conntres of lurope, it is understood between the high contractings partles, that sueh productions shall not le imported, in lritlsh ships, into France, for the consumption of that kingdom, unless such ships shalt have been laden therewlth in some port of the United Kingrom; nud that his Iritamice Majesty may adopt, if he shall think tht, somos corresponding restrletive measure, with regaril to the productions of the countries of Europe Limported into the ports of the United Kingiom in l'reneh vessels: the high contracting parties reserving, however, to themselves the power of making, by mutual consent, such relaxations in the strict exceution of the present articte as they mny think useful to the respectivo interests of the two countries upon the principlo of mutual concessions, allordiag each to the other reciprocal or equivalent alvantafes.
3. All goods which can or may be legnlly exported from the ports of etther of the two countries shall, on thelr export, pay the same duties of exportation, whether the exportation of such goods to made in British or in French vessels, provided the said vessels proceed, respectively, direct from the ports of the one country to those of the other. And all the said goods so exported in lbritish or French vessels shall be reciprocally entitled to the samo bounties, drawbacks, and other allownuces of the same nature, which are granted by the regulations of each country, respectively.
4. It is mutually agreed between the high contracting parties, that in the intercourse of navigation between their two countries, the vessels of any third power shall in mo case obtain more favourable conditions than those stipnlated, in the present convention, in favour of British and French vessels.
5. 'The fishiug-boats of either of the two countries, which may be forced by stress of weather to seek shelter in the ports or on the coast of the other country, shall not be subject to any duties or port charges of any description whatsoever; provided the said boats, when so driven in ly stress of weather, shall not discharge or receive on board any cargo, or portion of cargo, in the ports or on the parts of the coast where they shall have sought shelter.
6. It is agreed that the provisions of the present convention between the high contracting parties shall be reciprocally extended and in force in all the possessions subject to their respective dominions in Europe.
7. The present convention shall be in force for the term of 10 years from the 5 th of April of the presest year; and further, until the end of 12 months after either of the ligh contracting partics shall have given notice to the other of its intention to terminate its operation; each of the high contracting parties reserving to itself the right of giving such notice to the other, at tho end of the said term of 10 years: and it is agreed between them, that, at the end of 12 months' extension agreed to on both sides, this convention, and all the stipulations thereof, shall altogether cease and determino.
8. The present convention shall be ratified, and the ratifications shall be exchanged in London, within the space of 1 month, or sooner it possible.
In witness whereof, the respective plenipotelltiaries have signed the same, and have affixed thereto the seals of their arms.

Done at London, the 26th day of January, in the year of our Lord 1826.

Grorge Canning.
William Huskisson.
Le Prince de Polignac.

## Additionul Articles,

Article 1. French vessels shall be allowed to mall from any port whatever of the eonntries under the dominion of his Most Christinn Majesty, to all the colonles of the United Kingilon (except those possessed by tho linst Intia Comprny), nud to import into the said eolonies nil khids of merchandise (being productions the growth or inanufucture of Frause, or of any eomntry under the domlaion of lirance), with the excerption of such an are prohibited to le imported into the sald colr-ies, or are permitted to be imported only fron , ulltries umber tho liritish dombion; and the anid French vessels, as well as themurchandine imported in the aame, shall not be subject, in the colonies of tho United Kingiom, to other or higher dutios than those to which lbritish vessels may he mibjert on importing the sane necthondine from any forcign country, or while aro imposed upon the merchandise itself.
The same facilities sliall be grantel, reciprocally, in the colonies of Franee, with regarl to the importation in British vensels of all klude of merchandise (being productions the growth mud manufacture of the Unitel Kingalom, or aty country under the Britlsh dominion), with tho exception of such as aro prohibited to be imported into the said colonles, or aro permitted to be imported only from countries umer tho dominion of France, And whereas all goods, the produce of any foreign country, may now be imported linto the colonies of the United Kingilom, in the ships of that country, with the exception of a limited list of specitied articles whteh can only bo imported into tho suid colonies in British whips, his Majesty the King of the United Kingelom reserves to himaeld tho power of adding to the suid list of exeepted articles nny other the produce of the F'rench domintons, the addition whercof may appear to his Majesty to be necessary for placing the commerco and navigation to be permitted to tho subjects of ench of the high contracting parties with the colonies of the other upon a footing ol? fair reciprocity.
2. French vessels shall be allowed to export from all the colonies of the United Kingdom (oxcept those possessed by the East India Company) all kinds of merchandise which are not prohibited to be exported from such colonies ln vessels other than thoso of Great Britain ; and tho said vessels, as well as the merchnndise exported in the eame, shall not be subject to other or higher duties than those to which British vessels may be subject on exporting the said merchandise, or which are imposed upon the merchandise itself; and they shall be entitled to the same bounties, drawbacks, and other allowances of the anme nature, to which British vessels would be entitled, on such exportation.
The same facilities and privileges shall be granted, reciprocally, in all tho colonies of France, for the exportation in British vessels of all kinds of merchandiss which are not prohibited to be exported from such colonies in vessels other than those of France.

These 2 additional articles shall have the same force and validity as if they were inserted, word for word, in the convention signed this day. They shall be ratified, and the ratifications shall be exchanged at the same time.

In witness whereof, the respective plenipotentiaries have signed the same, and have affixed thereto the sesls of their nrms.

Done at London, Jan. 26, 1826.

> Geonor Cannino.
> William Huskisson.

Le Prince de Polignac.

A 'I'reasary letter, dated ysth of Marel, 18:2 directs that French vessels, and their cargoe legally imported or expurted on hoard tho nam according to the terms of the convention in th precedlng pnges, are from thin beth of Aprit, $18:$ to be chargeif whtis such aul the like dhities only of whatever kind they may te, that are charg on Ifritiali vessels, and similar cargoes Inden on baard thereot; nnt in liky manner the same bomities, drawhacks, and ollowamees are to to paid on articles exported lin lirench veasels, that are pald, granted, or allowed on similar article exported in liritlsls vemsels. diul the necesmayy inseructious aro to be transmitted to the officen in tho colonies for carrying into effeet the stipulations contained in the 2 aldiltional artieles of thes said convention, respecting l'rench vessels and their eargoes, from the tat of Oetoher, 18 : th ,

A convention regnatatig the respective limits of the Uritials and French oyster mul oh her tisheries was signed at l'aris on the gul of August, l8sig, and another in 1868.
Treaty of Commirre beturpa her Mujexty und the Fimperor of' the Frunch. Nigned wt Purin, Junuary sit, 18tio. Rutifictions exchanged ut Paris, Feliruary 1, 18600.
Article 1. Ilis Majesty tho linuperor of the French engapes that on the following articles of British proluetion mil manufneture, impotel from the United Kingilom lito France, the duties shall in no case exceed 30 per rent. ad valotem, the two ndditional decimes ineluded.
'lhe articles are as follows:-
Refincd sugar;
Turmeric in powiler:
Rock crystal worked;
Iron forged in lumps ur prisins ;
Hrass wiro (copper alloyed with cine), poistocl or unpolished, of every description;

Chemical productions, enumerated or nou-enu. mernted;

Extracts of ilye-woods;
Garancine;
Common sonp of every description, and perfumed soap;

Stone-ware and carthen-ware, fine and common; China and porcelain-ware;
Glass, crystal, mirrors, and plate-glass ;
Cotton yarn ;
Worsted and woollen yarn of every description;
Yarns of flax and henip;
Yarns of hair, enumerated or non-enumeratel;
Cotton manufactures;
Horse-hair manufactures, enumerated or nonenumerated;

Worsted and woollen manufactures, enumerated or non-enumerated ;

Cloth list ;
Manufactures of hair ;
Silk manufactures ;
Mannfacturcs of wasto and floss-silk ;
Manufactures of bark and all other vegetable
fibres, enumerated or non-enumerated;
Manufactures of flax and hemp;
Mixed manufactures of every description ;
Hosicry;
IIaberdashery, and small warcs;
Manufactures of caoutchouc aln gutta percha, pure or mixed ;
Articles of clothing, wholly or in part made up; Prepared skins;
Articles of every sort, manufactured from leather or skins, included or not under the deno-
mination of small wares, fine or commoa ;
Plated articles of every description;
Cutlery ;
lated 28th of March, $18 \%$, venselm, and their cargues ported on boaril the name, of the eonvention in the fom the bth of April, $18 \%$ din nod the like dutleas ouly, y may be, that are chargit id mimidar cargoes laden on in liko manner the same and allowances are to be rted lu french vessels, that : allowed on slomilar attiches vessels. Alud the necesmaty - transuilted to the efficen rrying into effect the stiputhe 2 mbiltional articles of respecting l'rench veseris and he list of Octoler, 1820 . nlating the rexpective limits rench oynter und other lisheries on the End of Angast, l8:3,

- between her Majexty and the French. Nigned it Puris, o, Rutificutions exrhangel at i, 1860.
Majenty the limperor of the at on the followligg articles of and manufacture, imported ingrdon linto France, the dutied xeced 30 per cent, ad valorem, decimes ineluded ns follows:-


## viler;

rked;
umph or prisins ;
per alloyed with cinc), polished every deseription ;
uetions, enumerated or notr-enu-
e-woods;
fevery description, and perfumed
earthen-ware, fine and common; elain-ware; mirrors, and plato-glass;
oollen yarn of every description ; nd hemp; enumerated or non-enumerated; ctures ;
nufactures, enumerated or aen-
roollen manufactures, enumerated
el ;
of hair ;
ures ;
of wasto and floss-silk ;
of bark and all other vegetable d or non-enumerated;
of flax and hemp;
ctures of every description;
, and small wares ;
of caoutchouc aniu gutta perchs,
thing, wholly or in part made up; thin
s;
svery sort, manufactured from included or not under the deapil wares, fine or common; of every description ;

Medal wares, whether cimmerated or iot:
thig nul cast-iron of every aleseriptlon, withont divinction of welyht: ;
Har and wrobght-jim, with tho exception of the kinila sueritled In Articlo 17 ;
Steel;
Machinery, fonls, fod mechanical instriments af every dexaription;
t'arrimges on wprings, lined and pulnted;
Cabinet ware, carved work, whd thrmery of every demeripion: worked ivory and wood 1
 from wine, ' 'rrios, molassen, or rice;
shigon atel bonts ;
With respuet to rellned mugar and rhemimal Fenturtions of which salt is the basis, tho excime ur inhand duties whall he moded to the umonnt of the above mperitled datien,
3. Ilis linurrial Majesty rupages to rembeo the impurl dalies in France on Hritiwh conl and coke In the amome of tis rentimes for the lto kilorammes, with the mblition al the ede decines,
Itiv Sajesty the limperor also engagen, within I vares from the date of the ratiblention of the wesent treaty, to arablish umen the lmertation if roal and ioke by land and by sen, a miliorm huty, which shatl tuet excered that which is flxed hi the pereoding parmgraph.
St is mideratoon that the rates of daty menttioned in the preseding articles are independent whe diflerential daties in lavour of lirench shipfing, with which duties they shall not interfere.
f. The duties nd valorem stipulated la the present Ifaty shall to calculated on tho value at the pace of production or tabrication of the object impurted, with tho addition of the cost of tramsfutt, insurance, and commisslon uecessary lor the inportation into France as far as the port of discharge.
Sor the lewying of theso duties, the importer dall make a written deelaration at tho custombonee, statimp the value and leseription of the yods imprent. If the custom-houso anthorities dall tee of opsinion thant the declared value is in officient, thry whall be at liberty to take the pornds on paying to the importer the price declated, with in addition of 5 jer cent.
This payment, together with the restitution of any duty which may lave been levied upon such meds, shall he mado within tho 15 days following the declaration.
3. Iler liritannic Majesty engages to recommend tol'arliament to emable her to abolish the duties $\delta$ impurtation on the following articles:-

Sulphurie acid, and other mineral acids;
Agates and cornelians, set;
Lucifers of every deseription;
Petcussion caps;
drms of every description;
Jewels, set ;
Toys;
Brocade of grold and silver ;
Embroideries and needle-work of every descriptimn:
Brass and bronze manufnetures, and brenzed metal;
Canes, walking cancs or sticks, umbrelia or parasol sticks, mounted, painted, or otherwise onlamented;
llats, of whatever substance they may be made;
Gloves, stockings, socks, and other articles of cutton or lincu, wholly or in part mado up;
Leather manufactures;
Lace manufactured of cotton, wool, silk, or

Manuficheres of lron and medel;
 and other jinstrumentu;
 iron ;
lianey ornamonts of mbel and ifoll ;
Irtheles covered with collure ly galvanis: pitcens:

Millinery and artilldal thowers;
liaw fruits:
Siloven, and uther lenther artimes at chothing ;

thils;
Muxiend ilnstruments ;
Worsteal anil woulloll mawls, phin, printed, or patermenl:



Itamberchhefs, and other manofiaderes mot thumaraterl, of linell und lawn!;

Perfumery; entinet ware carred worh, and turnery of every onesription;

Plochs, watchers, and "pera glasise:
 murated:

Fenthref, dressad or not ;
fimat's, mod other hair manufia'tures ;
('himanal porechain ware;
Storar and eartheaware;
tirapors
Sulphate of quinine ;
Sulte of morphine:
Manufactures ot silk, or of silk tuived with any other materials, of whatever ileseription they mity bo:

Articles not enmmerated in the tariff, now paylife 111 ad valurem duty of 10 per cent. ; subject, however, to sueh measures of premation as the protection of the pulilic repenne may require, against the introducian of materinds diable to custom or excise duties, in the composition of articles admittol duty free in virtue of the present paragraph.
6. Her llitamic Majesty engages also to propose to Parliament that theduties on the importation of French wino be at once reduced to a rate not exceeding 3 s . per gallon, and that from the 1st April, 181 it , the duties on importation shall be regulated as follows:-
(1) On wine containing less than 15 degrees of proof spirit, veritied by Sykes's hydrometer, the duty shall not exceed is, per gallon.
(2) On wine containing from 15 to 26 degreces, the duty shall not exceed $1 \mathrm{~s}, \mathrm{Gd}$. per gallon.
(3) On wine containing from 26 to 40 degrees, the duty shall not exceed $2 s$, per gallon.
(4) On wine in bettles, the duty shall not exceed 2s. per gallon,
(5) Wine shall not be imported at any other ports than those which shall be named for that purpose before the present treaty shall come into force; her liritannic Majesty rescrving to herself the right of substituting other ports for those which shall have been originally named, or of increasing the number of them.

The dity fixed upon the importation of wine at ports other than those named, shall be $2 s$. per gallon.
(b) Her Britannic Mnjesty reserves to herself the power, notwithstanding the provisions of this article, to fix the maximum nmount of proof spirit which may be contained in liquor declared as wine, withont, howevor, tho maximum being lower than 37 degrees.
7. Her Britnanic Majesty promises to reeommend to Parlinment to admit into the United Kingdom merchandise imported from France, at
a rate of daty eymul to the excine daty which inos shall he limpored ugsin artheles of the wame demeription lin the lioted Kiligiden. At the mane tine the dinty chargeable upon the inpurtation ot such morehandiag may be mugmented by wiels a min as whall lue in equivalent for the expenses which the syst ${ }^{\prime \prime \prime}$ ul excine may entail upout the Ilritish prodiuen".
C. In aetordance with the preceding artiele, her Iritamic: Majaty mulortukes to recommend to l'urliament the almission into the United Kingidm of bratidien mad spirite imported from France, at a duty exactly equal to the excise dinty levied upin home-made aphite, with the mhlition of a surta: of 2ul. per gallon, which mhall make the actial dinty payable on Freuch brandies and apirita 8 s. 2.l. the gnilon.

IIer Britamide Majenty also metertakes to recommend to l'artinument the almission of rum and talla imported from the Frencll colonien, at the mame duty which is or shall be levied on thene name artictes imported from the Britimh colomies.
ller Dritamic: Majesty umdertakes to recommend to I'arliantent the admismbon of paper-hanifings limported from France, at a duty equal to the extime lax, that is to nay, at 14 s . per cwt. ; and eardlarard ot the samo origin, at a duty which whall not exceed low. per ewt.

Iler Ilritannic Majesty lurther mmertakes to recommend to l'urliament the admisslon of polat and silver plate imported from Framee, nt a daty eifunl to the stamp or excise duty which is charged on Isritish gold nul wiiver plate.
9. It is umberstond between the two hiph contracting powers, that if one uf then thinks it necessary to entablish an excise tas or inland duty upon any artiele of home production or manufacture which is comprised among the preceding ennmerated articles, the fureign imported article of the nance leseription may be immediately liable to an equivalent daty on importation.

It is equally understool between the hight contracting powers, that in case the liritish Government should deen it necessary to inc.ease the excise duties levied upon home-made spirits, the duties on the iomortation of wines may be moditied in the followine manmer:-

For every increase of 1 s . per gallun of spirits on the excise duty, there may be, on wines which pay 1s. 6d. duty, an angmentation not exceeding lifl. per galloi: and on wines which paye $2 x$, nn augmentation not excecing $2 \frac{1}{2} d$. per gallon.
10. The two high contracting powers reserve to themselves the power of levyiug upon all articles mentioned in the present treaty, or upor way other article, landing or shipping dnes, in oring to pay the expenses of $s$ ! 1 necessary estobiivinuents at the ports of importation and exportatios.

But in all that relates to local trotment, the dues and charges in the ports, lasina, docks, roadsteads, harbours, and rivers of the two countries, the privileges, favours, or adrautages which are or shall be granted to untional vessels genernlly, or to the goods imported or exported in them, slall be equally granted to the vessels of the other country; and to the gools imported or exported in them.
11. The two high contracting powers engage not to prohibit the exportation of coal, and to levy no duty upon such exprortation.
i2. The subjects of one of tho two high contracting powers shall, in the dominions of the ther, enjoy the same protection as native subjects in regard to the rights of property in trade-marks and in patterns of every description.
13. The ad valorem duties established withiu
the limita Ilxed by the precerling artivhos shum convorted into speettic diathes by a suppleman convention, which alanll be concluiled lefiore il of Iuly; Ixtio. 'The medinm prices dinringe t montlin precerling the slate of ilie prosent it shall be takeri as the basin for this comveralon.

Dutien alall, however, be levied in contorn with the bases above ratnillished-
(I) In the event of this suplemeatary com thon not having come into foreo betiore the piration of the perian tixed for the execution liance of the present treaty $t$
(2) Ujon those artheles the specifle dution which shall but have been wettled by com conspit.
1.1. 'l'loe present treaty shall be himling for I'nited Kingelons of Cirent Iritaln and Irelam! senh as the necessary legislative anmetion a have hew given ly larlinment, with the rew male in Artlcle 6 respecting wines.

Furlher, her Iiritannic Majesty reserves herself tho juwer of retalining, "!oin spe groumds, and by way of exceph lon, iluting a pun not excereling y yars, dating from the le April, Istio, latit of tho rluties on those artiol the frre admission of which is stipulated by' present treaty.

This reserie, however, does not aply to athe of silk manutneture.
15. The engagements contracted by his Majes the Eimperor of the Freneh shall be fillilled. a the taritlia previously indicated as payable Iritish poods nud manuinctures shall lie applie within the following perionls:-
(1) For conl and coke, from the 1 at of Jult; $\mid x$,
(2) For bar and pist iron, and tior stecl of 1 kinds which are not subject to prohibitien, fo the lat of October, 1860.
(3) For worked metals, machines, tuols, an mechanical instruments of' all sorts, withim a pina which shall not exceed the 31at of Decermber, I*
(4) For yarns and manufactures in hax and hemp, from the lat of Junc, 1861.
(5) Aul for all other articles from the lot : October, 1861.
16. Ilis Mnjesty the limperor of the Frend engages that the ad valorem duties payable the importation into Franco of merchandise Iritish prodnction and :nnnufacture, shall n exceed umaximum of 25 jer cent. from the of October, 1864.
17. It is understood between the two lighey tracting powers, as nn clement of the cuncerd. of the ad valurem cluties into specific duties, thfor the kinds of bar iron which are at pres sulijected on importation into France to a duty 10 franes not including the 2 additional decim: the ciuty shall be 7 francs on every 100 kil gramines until tho 1 st of October, 1861 , and franes from that period, including in both es the two additional decimes.
18. The arrangements of the present traty commerce are applicable to Algeria, both fort: exportation ot her prodnce, and for the imporati: of British guolla.
19. Each of the two hifh contracting purif engnges to confer on the other any favour, phir lege, or reduction in the tariff of duties of impy ation on the articles mentioned in the $p$ treaty, which the said power may concede to 4 third power. They further engage not to enfer one against the other any prohitition of inyer. tion or exportation, which shall not at the end time be applicable to all other nations.
20. The present treaty sha! n not be ralid bati her IBritannic Majesty shall be authorisel brth assent of her Parliament to exceute the enfor
the prevedluge aribuge whall to the datien by a supplemetitapy lant lew conduded liefore thel " medlom prived during the, he date of the present tred a basis for than cobluersinh. ever, he levied in contormatr ;e entablishedof this supplemeitary convis. ome linto firse betirg the es fod fixed for the executionty out trenty; urtheles the specitic dutisw on have heen settled by couns:
treaty shall be biminge fort of Great Isitaln mat Irclond, of ere Irefislative sanction shail by I'artiament, with the rekte rispecthis wines. Iritannic Mnjesty remopom th cer of retaining, "1pons apecta way of exception, during a a petiot years, dating from the lat if of the duties on those artive on of which is stipulated by the
owever, does not aply to atides ure.
ements contracted hy hiss Disjetry the Fremeh shalt be fultilled, an -iously indicated as pavable ug ul manntinetures shall he applide wing perimels:-
and coke, from the lst of July, 隹t and pirc iron, nul for stecl of tho and not subject to jrohibition, fom (er, 1860.
ked metala, machines, tumils, anl kenments of all morts, within a puth exceed the 31 st of lhecember, Jwill nas and manufactures in dax ard c 1st of June, 1861 . all other articles from the let
jesty the limperor of the liench the all valorem duties payable on the into France of merchandies ction nud inanufacture, shall sun imum of 25 jer cent, from the 1 . 64. lerstool between the two hight con ers, as an clement of the eutwerion rem duties into specitic duties, tha of bar iron which are at presith mportation into France to a duty y iucluding the 2 additlonal decime 11 be 7 francs on every 100 sill it the 1st of October, 1861, and hat period, including in both case ional decimes.
rangements of the present tral? - applicable to Algeria, both fur in i her produce, and for the importation rls.
f the two high contracting perntis nfer on the other any favour, phir etion in the tariff of duties of impro articles mentioned in the prom: The said power may concede to 3 ?
They further engage not to enow he other any prohibition of mpown tation, which shall not a cable to all othar nations. valid anlas c Majesty shall be authorisel by the - Parliament to exceute the enges
mands enntrattal by hor in the artiches of the promit I reaty.
B. Whe present treaty monll remain in fiope for the sjuse of 10 vemra, to date from the day of the exchange of ratithentions and in rave ucither of the high contracting guowers shalt have not ithot to the other, 12 monthe before the expiration of the mail periond of 10 yeaps, thas interitlon to put ant
 fisce for another vear, mul so on from var to foat, unt il the expirathon of a year, comatinif frome the day on which onio or other of the high tomracting mower shatl lave announcoal its intention to jut nu emit to it.
'The high eontracting puwars reserve to themwives liee right to latrolice by eommon momeat moto his treaty noy matitheation which is not ngipued to lis spirit and primelphes, and the utility of which shall liave be:n shown by experience.
 atilications mhall be exchangeil at laris wilhin the perion of 150 days, ur sooner if possilile.
In fuith whereot, the raspective plenijutentiaries lare signed it, and allised thereto the seal of their arms.
Whe in lupliente at l'aris, the 23ral day of dannery, in the yeur of our lord 18600 ,

Cowley.
lichabil Comben.
V. Ihamolle. F. Kevilait.

Addional Artiole to the Treaty of Commerce comShaded ut I'uris, Jutruary 2: 18 tio, hetween hier Mujesty and the Limperor of the French. Signed it Puris, Fellruary 2ĩ, 1860. Rutifications exchanyed at Puris, Achruary $28,1860$.
Hy Aricle 8 of the treaty of commeree between Eidnapery the (Queen of the United Klugilom of lireat Ifritain mad Ireland, and his Majesty the: Buperor of the lirench, signed at I'aris on thi 2 Bral if Janury last, her Itritnunic Majesty undertook is reommend to Jorliament the ahmission inta the l'nited Kingidom of bramdies and spirits im proded from France, at adity exnetly equal to the excise duty levied apon home-made appits, with the aditition of a surtax of $2 d$. ner gallon, which would make the actinal duty payable on French hramies and spirts 8 kn , 2d. per gallon.
since the ratilcation of the said treaty the fovenment of her Iritannic Majesty have ascertained that the surtax of $2 d$. jer gallon is not suticient to comutervail the charges with which, in consequence of the opreration of tho laws ot catons and excise, home-made British sjirits bave now to contend; and thint a surtax limited to the rate of $2 d$. per gallon would still leave homemade ltritislo spirits subject to a differentinl duty ia favour of foreign brindies and spirits.
Consequently the Government of her Britare ic Maidy having represented these circumstances to ilie Govemment of his Mnjesty the Emperor ot the Fireneh, and his Imperial Majesty having conented that the amount of the said surtax shall be increased, the two ligigh contracting parties to the said treaty of commeree do, by the present nulditional article, arree that the ainount of such sartax shall be $\dot{d} d$, per gallon; and her Britannic dajesty engages to recommend to larlinment the almision into the United Kingdom of brandies and spirits imported from lirance at a luty exactly equal to the excise duty levied unon home-made spitits, with the addition of a surtax of $5 \%$. per sallon,
The present additional article shall have the same force and valielity as if it had been inserted in the treaty of commerce of the 23 rd of January last.

It alall be ratilient, and the ratheatlona theromof whall he exchanged at larla within o days trom the dateró ita signature.
In withem whereof, the rexpective plonigntentharies have signel the same, and have allowed thereto the evals of their armes.

I hothe at I'ariw, lhis "ith day of Pobmary, la the year of our lafil ineto.

## rowlicy. <br> I. I: utherlat: <br> F. liocter:

Nerond Additiunnl Artiche to the Trenty of Cinnmarce rourlahral ut l'uris, Jumary 2: 18tlo. betwern her Majesty anil the Simperner of
 Ratifieuturns crichangrel ut I'mil, July I, Imbil.
It having leen fonnd impessible for comelnile the nogotathen of the arrangement which la to tha, necorillige to paragrajh I of Irtiche tit of the traty of commerce coneladed betweren 4 irent Itritain anil Firnner, the e'3ril of January last, the rate of the apecific dinties to be levien on Itritish merchandiseimported into France, withis the beriod stipulated liy the said article, tho high eontracting partion have consldered it ilvisable, in the interest of the rexpective emmere of the twe count rios, to make a fresh arrangement with a view to ensure the Grachan execution of the aforesaid treaty within the periods tlxel by the mane

In consequence wheredi, the undemigned, invested with finll powers on the purt of her Majesty the Queen of the United Kingilem ot tireat Britain and Ireland, on one side, and of lis Mnjesty the Emperor of the Franch on the other, have ngreed upon the followirg articles:-

1. Instead of a siggle courention establishing the specitle duties to he paid ly British merchanlise imported into Virnuce, three separate eonventions shall he sucesssively comeladed; the first of which shall comprise har und jig iron, sted and worked metnls, machines, tools, and mechanical instruments of nll sorts; the secomil, yarns and manafactures in tlax and hemp; the thirl, all other articles of Jritish fromluction and manufacture emmerated in Article 1 of the trenty of the eitrid of Janunry.
2. These convoritions shall be rarotinted, conchuled, mad ratifled in such in manarr ay to come into force with respect to the articles to which they apply, int ench of the periods tixad by Article lin, of the treaty of which they will form the emmplement. Nevertheless, the last of these comventions shall be conchided and ratitied before the 1st of November next.
The present additional article shall have the same force and validity as it it had heen inserted in the treaty of commerce of the e3rd of Jannary last. It shall be ratitied, and the ratifieations thered shall be exchanged at laris within four dnys at latest from the date of its sighature.
In witness wherenf, the respective plenipotelltiaries hare signed the same, and have nttixed thereto the seal of their arms.

Jone at larix, this eith day of June, in the year af our Lard tsto.

Cowlay.
]. 'Jhouvenet.
Conecnton betucen her Mujesty and he Eimperor of the French, suppiementary to the Trouty of Commeree of January 23, 1860, with a Tariff cinnexed thereto. Signed at I'uris, Octuber 12, 1860. Rutificutions exchanged at Puris, October 2ju, 1860.

Article 1. The articles of British origin or manufacture enumerated in the tarill anmeded to

## TREATILS (COMMERCLAL)

the present convention, shall, when imported direct from the United Kingilom, under the liench or the Jritish flag, be admitted into France at the duties specitied by the sald taritt:
2. In order to establish the fact that the goods are of Britlsh origin or manutacture, the importer must present at the French Custom-house either an official declaration made betore a British magistrate excreising jurisdiction at the place of alcspatch, or a certiticate granted by the chicl officer of the customs at the port of embarkation, or a certiticate granted by the consuls or consular agents of France at the places of despateh or at the ports of embarkation. The above-mentioned consuls or consular agents of France shall legallse the signatures of the British authorities.
3. The importer of machines and mechanical instruments, complete or in detuched pieces, of British origin or manufacture, shall be exempt from the obligation of producing at the French enstoms any model or drawing of the imported article.
4. The importer of any goods of British origin or mamifacture taxed ad valorem, must attach to the declaration verifying the value of that aticle, and to the certificate of origin, an invoice emanating from the manufncturer or from the seller, which shall show the real price, and shall be vise ly a consul or consular agent of France in the U'nited Kingdom.
5. When articles upon which an ad valorem duty is levied have been previously warehoused, the duty shall be levied according to the value of those articles at the time of their actual entry into France.
6. The importer against whom the French customs may desire to excreise the right of preemption stipulated in the treaty of the 23 ril of Jannary, 1860 , may, if he prefers to do so, demand a valuation of his goods by experts.

The same demand may be made by the French customs when they may not think fit to have immediate recourse to pre-emption.
7. If the result of such valuation by experts should prove that the goods have not a value of 5 per cent. above that which has been declared by the importer, the duty shall be levied upon the amount of the declaration.

If the preved value is $\delta$ per cent. above the value declared, the Fiench customs shall be entithed, at their cheice, either to excrcise the right of pre-emption, or to levy the duty on the value determined by the experts.
'Ihis duty slaall be increased by 50 per ceut., as a line, if the valuation of the experts is 10 per cent. above the declared value.

If the value, ns determined by the arbitration, exceeds the declared value by 5 per cent., the custof the enquiry by the experts alnill be delirayed iy the acclarant. In the contrary erse, they shall be defrayed by the French Custom-house.

8 . In the cases contemplated by Artiele of the two arbitrating experts shall be named, one by the declarant, the other by the local chict of the French Custom Service. If there be difference of opinion between them, or if at thetime of appointing the experts the declarant shall require it, the experts shall choose an umpire. In default of agrecment, this umpire shall be appointed by the president of the tribunal of commeree at the prort of importation, or, in his defanlt, by the president of the tribunal of commerce at the nearest place.
The decision of the arbitrators shall be given within the 15 days which follow their nomination,
9. Independently of the duties of enstoms, articles of goldsmith's work and of jewellery of British manufacture in gold, silver, platina, or other metals, imported into France, shall he sulject to the system of control established in that country for similar articles of domestic mamufacture, and shall pay; if it becomes necessary, in the same basis as those, the duties of marking and guarantec.
10. The tariff annexed to the present convention shall, independently of the articles already admissible under the treaty of the 23rd of Jamary last, be immediately applicable to refired sugars, to works in metal, to machines, to detached pieces of machines, to tools, and to mochauical instruments of every description.
11. The present convention shall have the same duration as the treaty concluded between the high contracting, parties on the 23 rd of Jauuary last, of which it is a complement.
12. The present eonvention shall be ratified, aul the ratifications shall be exchanged at l'aris within 15 days, or sooner if possible.

In witness whereof, the respective plenipotentiaries have signed it, and have affixed thereto the scal of their arms.

Done in duplicate, at Paris, the I?th day of October, 1860.

Cowley.

- Ricitalio Condex.
E. Thouvenel.
F. Rouluer.

Tariff annexed to the Concention concluded on October 12, 1860, betucen Great Britain and France.

| Descripution of Articles | Rates of Impor: Iutien |  | Deacrlution of Articles | Rates of ImportJuties |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1860 | 1864 |  | 1860 | 1864 |
| Jron:- Matais. | Ter 1(h) ki. <br> fr. cent. tree | Par 100) <br> Cr. cent. <br> Tr. tree | $\qquad$ <br> Matats. | I'er 100 kil. fr. cent. |  |
|  | 2 "30 | $2^{\prime \prime} 0$ | It millimetre or less in thickness or | 1300 | 1000 |
| 1 ig and framments of ma cast iron <br> l'uritied cast, called ' mazéc;' and old | 230 | 200 | (N.H. Thin sheet and black fron In |  |  |
| hroken wrought tron | 325 | $\begin{array}{ll}4 & 75\end{array}$ | any way, to pay one-tenth more |  |  |
| Crude, in lumps or prisms, not firred from the dross |  |  | than rectangular julates.) |  |  |
| from the dross <br> Lars, square, round, or fate; rails of all shapers and dimensions; ankle and | $\bigcirc 00$ | 450 | Sheets, tinned, copperel, covered with zinc or lead <br> Wire, nat exceeding $\mathrm{N}=10_{\mathrm{t}}^{\mathrm{h}}$ millimètres | 1600 | 1300 |
| Tifun; and wire, with the exceltions liereinafter mentioned | 700 | $G 00$ | in diameter, whether tinned, cuppered, pr covered with alnc | 1400 | 10 (1) |
| 1100 y , of the thickness of 1 millimetre? ar less |  |  | Sieel:- In bars of all kilds - | 1500 | 1300 |
| Sheet, rolled or hammered, eacceding 1 mullimetre in thickness |  |  | Sheet, exceeding 2 millimètres In thickness | 2200 | 1800 |
| In plater wrighing 200 kilos. or te.s. and of which the lreadth does not | $8 \quad 50$ | 750 | Sheet, not eaceedinf ${ }^{\text {in }}$ (hickness, and wire, including |  |  |
| aceed 1 mètre ? 0 centimè'res, |  |  | bright wire for instruments | 30 on | 2) 01 |
|  |  |  | Comper:- <br> Ore, fillnes and old briken articles |  |  |
| In plater exceeding cino kilos. in weignt, |  |  | Ore, fillngs and old broken articles and brass amelted, in pigs. bars, or | free | fret |
| or 1 tnètre 90 centimetres in breadth, or $\mathbf{4}$ mètres 5 l centineétres |  |  | Unillistes ar beaten into hars or sheets: | 1:300 | 100 |
| in length . | 9 to | ; 30 | Wirce ul alf sizes, whether jolished or not | 15 (6) | 1009 |

Tariff annered to the Comerntion-continued.
reased by 50 per cent., an of the experts is 10 per value. mined by the arbitration, lue by 5 per cent, the clist perts alull be delrayed oy contrary esse, they shall bie Custom-house. amplated by Article 6 the $s$ shall bo namei, one by r by the local chicf of the e. If thero be difference of or if at the time ef appointclarant shall require it, the an umpire. In tefanlt of e slinill be appointed by the ral of commerco at the 1 nort ais default, by the presilitent merce at the nearest place. o arbitrutors shall be given aich follow their nomination, of the duties of customs, 's work and of jewellery of in gold, silver, platina, ir ed into France, shall he sotcontrol established in that rticles of domestic mumufacf it becomes necessary, on the the dutics of markiug and
exed to the present convenlently of the articles alrealy e treaty of the 23 ril of January y applichable to refir:od surars, to to machines, to chachical iastrocription.
convention shall have the same reaty concluded between the narties on the 23 rd of Jamary a complement. convention shall be ratified, and hall be exchanged at l'ris sooner if possible. reof, the respective plenipoten1 it, and lave affixed thereto the
fate, at Paris, the 1 tit liay of
Cowley.
Richamd Conote. E. Thouvenel. F. Rothem.
ween Great Britain and France.

| Articles | Hates of Import |  |
| :---: | :---: | :---: |
|  | 1860 | 186 |
| a. | $\begin{aligned} & \text { leer } 1001 \\ & \text { fr. } \begin{array}{l} 101 \\ \text { fent. } \end{array} \end{aligned}$ | $\begin{aligned} & \text { Per } 100 \\ & \text { frile } \\ & \text { fr. cent. } \end{aligned}$ |
| ck Iron, in piates of less in thickness and black iron in nut or trimmed in ay piates.) |  | 1000 |
| everei, covered with | 1609 |  |
|  | $\begin{array}{ll}14 & 00 \\ 15 & 00\end{array}$ | 1060 1300 |
| y milllmètres in |  | 18 |
| ling 2 nillimetres mif wire, including instruments | 3000 | 27 00 |
| limiken articles ted, in jligs. bars, or |  | $\cos _{10 \mathrm{nc}}^{10}$ |


| Jexreption of Asticles | Rates ofdintiesdimert |  | Description of Aricles | Hates inf ImportDatiey |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 15 (io) | 1851 |  | $1 \mathrm{N60}$ | 1881 |
| Marata <br> Copper: <br> it or silvered, heaten, drawis, or rulledi, and wire land on thread or silk | $\begin{aligned} & \text { ier } 100 \\ & \text { fr. cent. } \end{aligned}$ | $\begin{aligned} & \text { Jer } 1110 \\ & \text { fr. cent. } \end{aligned}$ | Metal Manepactirag <br> Steel ware: Metalice pens fother than gold or silver aricidiow of ornament, surh ma Heais, purse garniture, 'trooches, aml thimbies <br> Htansehoht ortictes and other wares un-Cuthery:emuncrated | $\begin{aligned} & \text { Per tove } \\ & \text { fr. cilt. } \end{aligned}$ | $\begin{aligned} & \text { Ter } 100 \\ & \text { fr. } \mathrm{clem} . \end{aligned}$ |
| Zincta <br> Ore, crude, calchied, ne pounded, filines, nuil ohb broken articles In pits, bars, or plates Hopled | $\begin{array}{ll} \text { free } \\ \text { fr } \\ 0 & 10 \\ 6 & 00 \end{array}$ | $\begin{aligned} & \text { free } \\ & { }^{10} \\ & 10 \\ & 10 \\ & \hline 10 \end{aligned}$ |  | $\begin{array}{ll}25 & 00 \\ 40 & 06\end{array}$ | $\begin{array}{ll}0 & 10 \\ 200\end{array}$ |
|  | $\begin{aligned} & \text { free } \\ & \begin{array}{ll} 100 \\ 5 & 00 \end{array} \end{aligned}$ | freo 3000 | Of every thescription <br> $\left.\begin{array}{l}\text { 1.uruments, zurgical, optical, and } \\ \text { phitosophical }\end{array}\right\}$ | 10 per eent. revtucer to ad valorein 1,15uif 1if pricent. at valorem | ad valorem, is per cent. on Januaty 10 prot cent ad valurem |
| Ore sul metal in piks, laras, or plates, filinges and old broten urticled aliayed with mitimony tllitarinla Pure metal or alloyed, beaten or rolled | free | frec | Nite arms <br> Fire-arms <br> Stinamy Meraba, | ${ }^{40} \mathbf{4 0}$ | $\begin{array}{r}40 \\ 240 \\ \hline 00\end{array}$ |
| Busmustl:- |  | free | Tools of grm tupped with steel, with or vithout handles <br> Articles made partly of eost andi partly nf wrought tron, nnt pollshed, if the weight of wroughe firon is les than, | is 60 | 1500 |
|  |  |  |  |  |  |
| - ${ }^{\text {Ore and sulphurnted }}$. | ${ }_{8}^{\text {free }}$ (10) | free 6 |  |  |  |
| Nickel :- |  |  | Mhto, th haif or more than half the total | 5 no |  |
| bire und queiss <br> Pure, and allnyed with other | fres | fres | Dietelght pmlished, enamelied or | 10 n11 | 800 |
| eapecially copper or zinc (argentine or German aiver), in ingots or pigs Hitto, ditto, rolled or drawn | 15 ${ }^{\prime \prime} 10$ | 10 "09 |  | $\begin{array}{ll}15 \\ 15 & 00 \\ 00\end{array}$ | $\begin{array}{ll}12 & 00 \\ 10 & 00\end{array}$ |
| Mamanase 1-. |  |  | Cylioders of copper or bra whether engraved or not | 1500 | $1500$ |
| dreneic: Netalic |  |  | Copper wares, metal galize |  |  |
| Metsilic | free | free | acturex $n$ n |  |  |
| ,iot enumerated |  |  | anafactures of $x$ ine of |  |  |
| 15 |  |  | Manuractures of rinc of all kinls E.ead plpes, and all other manufi |  |  |
| diron :- |  |  | lead ${ }^{\text {l }}$ |  |  |
| Is Class. Thars for railwass and other castlngs iroun th |  |  |  |  |  |
| moulct clas. Cyitudricai | 350 | . | or tim, whether pure or allojed with |  |  |
| 2nd Cluaphst, rafers, solld columna, | 12.5 | 575 | Manufactures of nickel allied with copper or zinc (argentine) |  |  |
| and pas retorts and nll othe |  |  | ilated manufactures of every description:Manuiactures of netal gilt or silvered liy | (10) | 100 100 |
|  | $\begin{array}{cc}5 & 60 \\ 9 & 181 \\ 12 & 160\end{array}$ | $\begin{array}{cc} 4 & 50 \\ 8 & 510 \\ 10 & 101 \\ 10 & 110 \end{array}$ |  | 10000 | 0 |
| Tunned, enamel |  |  | Piate and leweilery of goid, of silver, platina, or other metals Clocks and watchen Clock and watch morements |  |  |
| Ironwares (hears), incluling mork; pleces of frames Knees and girders for ahipa |  |  |  | 5 per zent. sd valoretr 100 <br> $100 \quad 00$ | 5 yer rent. nd valorem $100{ }^{0} 00$ $100 \quad 6$ |
|  |  |  | With apliaratua complete - - <br> Steani-engines statimary, with or <br> vithout hoilers or fly-wheels <br> Jitto, marine, with or without toilers <br> Turlers fur locomotive antable engines |  |  |
| and other fastenings of doors sindows, not polielied nor | 900 | 80 |  |  |  |
| asiag (solid) hads s eetts and fur. |  |  |  |  | $\begin{array}{r}6 \\ \hline 12 \\ 120 \\ \hline 100\end{array}$ |
| Cr without on, |  |  |  |  |  |
| $\cdots$ |  |  | $\left.\begin{array}{l}\text { For weaving } \\ \text { For paper-making : } \\ \text { Fur printing } \\ \text { For apictural machines, and ma- } \\ \text { chines for making shecta and fillets }\end{array}\right\}$ | (10 | ( ${ }^{8}$ |
|  |  |  |  |  |  |
| smonk |  |  |  | 900 | 600 |
| Small ironwates t'serrure cloding: locks and pradlo |  |  |  |  |  |
| fols and hispes |  |  |  | 1500 | 1000 |
| gs |  |  | Carding machines, not furnivhed |  |  |
| cindow, and furntire, |  |  |  |  |  |
| Sais, forped ty machin | 15  <br> if 00 <br> 111  | $\begin{array}{ll}12 & 0 \\ 8 & 10 \\ 10\end{array}$ | drical or sphertcal shmpe, with or without boiler-plpes or heating |  |  |
| Wmad serems | $\begin{array}{ll}15 & \text { mi } \\ 10\end{array}$ |  | Ditto, tubular, of aheet iron, with ubes of wrought iroa, copper, or hrass, or of sheet ircn rivettecl, other boilers not of cylindrical or spherical shape - | 1000 | co |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| of of 9 mil | 15 |  |  | 00 | 1200 |
| Dino dituo, less than 9 mil |  |  | Gis.ometers, open bollent, "rumaces | 00 | 2500 |
| Dito, diuto less than 9 mil | 2. |  | Ga-ometers, open boilers, furmaces |  |  |
| Tutes in wrought iron, wel mandri, or lap weldel |  | ${ }^{2} 10$ | Machines for inaking machines (' machines outils') and moclinea not enumerated:- | 00 |  |
| ooks (for sea- .fishin |  |  |  |  |  |
| ehold articles and other nit nerated :- |  |  | Containing 70 per cent. or more of their welght in cast iron | 900 | 600 |
|  |  |  |  |  |  |
| Ditar dhto, enamelled, vori Haved | 20 |  | Contalning less than 50 per cent. cast iron |  |  |
|  |  |  | Detached parts of michines.- <br> Sheets and filleta of cards on leather, intia rubber, of other materials Dents of reeds in iron ot in copper Pieces in cast iron , polished, tiled, and adjusted Pleces in wrought Iron, polishel, filed, ned adjuated or not, without distinetion of welght |  |  |
|  |  |  |  |  |  |
| do other uncrumerated | 17 | 34 |  |  |  |
| atres in length ens thay |  |  |  |  |  |
| nore |  |  |  | 00 | 00 |
| Fish-hooks (for rivar fishing), hilued |  |  |  | 15 |  |

Tariff annexed to the Conventior-continnel.

| Deseription of Articlea | Ilaies cr Import lutina |  | Daseriptiun eftirticlas | Rates of Import Dutles |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1.30 | 1864 |  | 1860 | 1861 |
| Machinal and Machineay | Per 100 kil. fr. cent. | Per 100 kll. $\qquad$ | Nachengann Aachineay With apparatus complete:-1 | l'er 100 kil. fr. cent. | $\begin{gathered} -\Gamma \text { er } 100 \\ \text { fr. til. } \\ \text { tant. } \end{gathered}$ |
| W'ih apparatua complate : Steel springs for carriagen, wagions, | fr. cent. | fr. cent. | Woolen wares: empty Eanka, new or |  |  |
| or locomotives <br> Pleces in atcel, pollshed, filed, at: | 170.3 | 1500 | old, not hooped; or hooped with wooden hoopu |  | free |
| Pleces in ateel, pollshed, filed, athfinsted or not! weighing more than i kllorramme |  |  | Ditto, ditio. Iton hoop: | 10 per cent. ail valorem | $\begin{aligned} & 10 \text { per sent } \\ & \text { ad valoth } \end{aligned}$ |
| than I kilugramme | $\begin{array}{ll}310 \\ 40 & 010 \\ 40\end{array}$ | $\begin{array}{ll}25 & 00 \\ 35 & 10\end{array}$ | Shovela, furks, raken, liandien of tools, |  |  |
| l'leces in copper, pure or mised with any other metals | 2500 | 20) 00 | of wood, with or without ferralet | free | free |
| any other metals <br> Sheets and fillets for carda of leather, | $\begin{array}{ll}25 & 00 \\ 20 & 00\end{array}$ | $\begin{array}{ll}20 & 00 \\ 90 & 00\end{array}$ | I'latex, xpoonh, porringers, and other housthold articlea | " | $n$ |
| Gohi leaf | $\begin{array}{cc}20 & 00 \\ 100 & 00\end{array}$ | $\begin{array}{cc}206 \\ 100 \\ 106 & 00\end{array}$ | Pleces of carpenters' work, dressed or |  | " |
| lefined augar | 41 140 | 41 cm | Parts of cartwrights' wuth, dreosed or | " |  |
| Carriages - | 10 per cent. | 10 per cent. al valoren | Parts of cartwrights wurt, drensed or not |  |  |
| Cablnet makers' and turnera' small wares aski wares in wory or carved wood ('tahletterie ') |  |  | Other articles of wood, not ename. rater <br> Household furniture | 10 per cer.t. ad valorem | $10 \text { per cent. }$ ad valorem |
| Leathes: prepared atina, varminhed, | ${ }^{\prime \prime}$ |  | Shipe and loost, bulfi In the United | Per | F |
| Lentyed, and morocco leather | 2500 | $2 \% 000$ | Kinkdom, not registared or sailing |  |  |
| Ditto, all other kinds | 30 (16) | 50) 10 | under Hritish flag, In wood | 2.50 | 20 no |
| Leather manufactures of all kimla | 10 per cent. | 10 per cent. | Ditto, dita, in Irone Hulta of thips, in wood | $\begin{array}{ll}70 & 00 \\ 15 & 00\end{array}$ | 60 10 10 |
|  | ad valorem | ad valorem | Hulu os thips, in wood in iron : |  |  |

N.11.-The machinis and machinery on board such ahips ahall he charged meporately, occording to the rates fixed by the Tariff for Machines and Machinery.

The present turiff is approved and numexed to the convention concluded on the 12 th Octaber, 1860, between Great Britnin and France. Cowley.
Richarb Comex.

Paris. October 12, 1860.
Convention between her Majesty and the Emperor of the French, supplementary to the Treaty of Commerce of January 23, 1860; with a Tariff annexed thereto. Signed at Paris. November 16, 1860. Ratifications exchanged at Puris, November 30, 1860.
Article 1. The articles of British origin or mamfacture enumerated in the rariff nnnexed to the present convention shall, when imported direct from the United Kingdom under the British or the French flag, be admitted into France at the duties specified by the said tariff.
2. The rules established by Articles $2,4,5,6.7$, and 8 , of the convention concluded on the 12th of October last between the high contracting powers, for the proofs of origin, the declarations of importation, and the valuation by experts of the productions taxed ad valorem, shall equally apply to the various articles of British origin or manufacture enumerated in the tariff annexed to the present convention.
Article 3 of the convention of the 12th of October last, which exempts the importers of machincs, or detached pieces of mnchines, of British origin or manufacture, from the obligation of producing models or drawings, is declared to be applicable to all the goods the importation whereof was subject to that formality, and which are comprised either in the present convention or in that of the 12 th of October last.
3. Independentiy of the dutics of customs stipulated in the tarif annexed to the present convention, and by apilication of Articles 1 and 9 of the treaty concluded between the high contracting powers on the 23 r of January last, the undermentioned articles of British origin or manufacture ehall, on their importation into France, and by way of compensation for equivalent duties paid by French manufacturers, be subjected to the supplementary duties hereinafter preecribed:-

```
Raw soda-
Crystals of soda
Sulphate of solla:
    Pure anhyilrate or bydrate
    Impure anlsyitata
        conlyydeata collaed or bydrate
```

                \(\begin{array}{ccc}\text { fr. } & \text { c. } & \\ 1 & 30 & 100 \text { kil. } \\ 4 & 71 & " \\ 6 & 0 & " \\ 2 & 40 & " \\ 5 & 4 \mathrm{tr} & " \\ 4 & 10 & "\end{array}\)
    Suljulter of sorla
Salc of coda
Hydrochlorio acid
Chloride of lime
Chorate of potash -
Plate g'ass or large mirrors:
Gloss ware, window glass, end other
White glase
Bother
Artiticial uitramarine
Sal ammonlac
Kelp
Kal
Salta or raw realdue of the calclnation
of thet.root refuse
Salt of tin
Soap, white or marthed, composed of
aiknals and oil of olives, of oteakinous reeds, pure or mized with nnimalfat:
The ofl conposing at leat half of The misture of oleaginoun bordies of mixture of olecginous hodies of anlmal fat:
Pure
Of palm or cocon-nut oil mized with snimal fat
Coloured, composed of oils from seedi or of animal fat
Pure alcohol
Beer
Spirle of
Spirits of wine varniah, per hectolitre
of pure alenhol containex in the of pure alenhol contained in the

It is understood that refined sugar is not comprised in this list, because the duty of 41 francs per 100 kilogrammes, fixed on the importation of that article, includes the duty on consumption with which it is now charged in France.
It is equallv agreed between the high contracting powers that, in the event of the modification or the suppression of the duties of excise now ituposed upon French manufacturers, bonds of British origin and manufncture shall, sith regard to such duties of excise, be subjected to the same conditions as similar French goods. 1 however, in consequence of the suppression of an5 of such dutice the Government should establisis a supervision or control, or an ndministratire system over certain articles of French manulacture, the direct or indirect charges which maybe borne by the French manufacturer shall be counter vailent by an equivnlent surtax imposed upa similar British articles. It is further understood that if drawbacks are granted to other articeso? French manufactnre, the dutics of customs which
are imposed upon similar articles of British origin and tissues of flax, hemp, and jute, and the lat of or manufacture stall be augmentel by a suriax ef qual to the amount of the drawbacks.

1. With regard to pure and mixed tissines taxel ai valoren, the valuatic: of which may appear to the French Government to present difhenlies, they reserve to themselves the power to designate the custom-honse of Paris exchusively for the admission of such goods.
j. Wach of the high contracting powers engages to extend to the other any favour, any privilege ur diminution of tariff, which either of thers may grant to a third power in regard to the importation of goods mentioned, or not mentioned, in the treaty of the 23 rd of January, 1860.
2. The tariff annexed to the present convention shall come into foree within a time which shnil not be later than the 1st of June, 1861, for yarns

October following for nll other nuticles.
7. The present convention shall have the same duration ns the treaty concladell between the higl contracing parties on the 23rd of January last, of which it is a complement.
8. The present convention slall he ratitied, and the ratitentions shall be exchunged at P'uris within: tifteen days, or sooner if possible.

In witness whereot the rempective plenipotentiaries have sigued it, and have allixed thereto the senl of their arms.
Done in cluplicate, at Paris, the 16th day of November, 1860.

Cowlet:
Richamin Condex.
E. 'Thonvexel.
F. Roulles.

Tariff referrel to in Treaty with Francl.


Tariff' referred to in Treaty with France-continucd.


Tari!f refirren to in Treaty with France-continuel.

| Hate of Duty in |  |
| :---: | :---: |
| 1860 | 1861 |
| 10 p.c. ath val. |  |
| Jail val. ${ }^{\text {a }}$ ad val. |  |
|  |  |
| $\} \begin{aligned} & \text { is p.ce } \\ & \text { ad val. } \end{aligned} \begin{aligned} & \text { in p.c. } \\ & \text { ad val. } \end{aligned}$ |  |
| 200 | (0) kilo |

ta, or viruoa
ay the same zol in what. of nther ma*
with cot tont witever, slaif
ati tianlies of ool predomitinue to pay than Indian will pay as
3 )1 Free
Free.
Free.
per kilo 0 II
120
Free $\left\{\begin{array}{c}\text { per kllo. } \\ 10\end{array} 0 \begin{array}{c}\text { Free } \\ \text { from } \\ 1860\end{array}\right.$

20
120
3
30
30
$\begin{array}{ll}5 & 0 \\ \text { in }\end{array}$
$\left\{\begin{array}{c}10 \text { per cent. sd } \\ \text { valorem }\end{array}\right.$ eight Dia Sterrs.

Conrention of Commerce and Navigation between her Britannic Majesty and the King of Grcece. Signed at Iondon, October 4, 1837,
Article 1. From and after the exchange of the ratifications of the present conveation, Greck vessels entering into or departing from the ports of the United Kingdom of Great Britain and Ireland, and British vessels catering into or departing from the ports of the kingdom of Greece, shall not be subject to any other or higher duties or charges whatever than are or shall be levied on national resels entering inten or departing from such ports, respectively.
2. All articles, the growth, produce, or manufacture of the dominions of either of the high contracting parties, which are cr shall be permitted to be imported into, or exported from the ports of the Uivited Kingdem of Great 1lritain and Ireland, aud of the kingdom of Greece, respectively, in rescls of the one country, shall, in like manner, be pernitted to be imported into and exported from those ports, in vessels of the other country.

| Dexripuion of Artiet | Hate of duty in |
| :---: | :---: |
|  | 1963 |
| Eamthenwamand l'otrpity, <br> Common ware:-1inged or not, with decorations in relhif, of one or mere coluur h: tlat ur hollok - | pur timbill |
|  | $\mathrm{Ifr}_{5} \mathrm{l}^{\mathbf{c}}$. |
| Stonewale - <br> Utenvilig and npparatus for the me-ufice ture of chemesal products |  |
|  | Pree |
| Gommen of all sorts, llat and hollow, including bottles, flaska, hourehold articles, kitchen atensilg, de. | $\text { per }{ }_{t}^{1000} \underset{0}{k} \underset{0}{\text { kilos. }}$ |
| Virthenware--colourel paste, white glaje. |  |
|  | Free |
| Whth color : plaze, majoli'r, with Farnish of more than ose coour | $\begin{aligned} & 20 \text { p.c. } \\ & \text { ad val. } \end{aligned} \begin{aligned} & \text { lis pic. } \\ & \text { ad val. } \end{aligned}$ |
| Fine earthenwaro <br> Fime stonewato <br> l'orcelain, white or decorated, of all kinds, Parlan and biscuit (white) |  |
|  | 10 p.c. mel val. |
|  | Free |
|  |  |
|  |  |
|  | 10 p.c. ad val. |
|  |  |
|  |  |
|  | per 100 kilos. <br> (frum Decemtier 1 . |
| Pios of all kinds . - - |  |
| India-ruliber manufactures- . . . | per 100 kllo |
|  | 200 |
| A pyitied mpon tissues in pieces or upon |  |
| Ma le-up wearing apparello elastic tl-sues of any dimenslona | $120 \%$ |
|  |  |
| lo elastic ti-sues of any dimenslons |  |
| N.B.-Articles of gutta-percha pay the same cluties as india-rubler. <br> OH and floor cloth- |  |
|  |  |
| For packing - ${ }^{\text {arniture, hangings, and other pupposes: }}$ |  |
|  | 150 |
| Sealing wax - |  |
| Maskiny of all kinds, e- prinilige |  |
|  | 20 |
| tordage, ctibles, and lishing -nets - |  |
| Fish, fresh water- | $\text { per Free } \begin{aligned} & \text { Frind } \\ & 11 \\ & 11 \end{aligned}$ |
| Fresh - - - - |  |
| $\underset{\text { Prepared }}{\text { Fish, sea - - - - }}$ |  |
|  |  |
| Fresh, dry, zalted, or smoked (except coti) - |  |
| Sauces and picklesCherse, hard |  |
|  |  |
|  |  |
|  |  |
| 3lolasasesContaining less than 50 per cent. of aaccharine matter Containing more than 50 per cent. |  |
|  | $\text { per } 100 \text { kilos. }$ |
| Containing more than $\mathbf{5 0}$ per cent. | Same ar raw stugir per hectolitre, in atdition to the Interital tas. |
| Alcnhol, per 10) deg. siater- | $\begin{gathered} \text { Interial tad } \\ 1, \\ \text { per } 1,01101 \\ 1 \\ 11 \\ \text { per } 100 \\ 10 \\ 10 \end{gathered}$ |
| Siater- <br> Far roollng |  |
|  |  |

3. All articles not the growth, produce, or manufacture of the deminions of her Britannic Majesty, which can legally be imported from the United Kingdom of Great Britain and Ireland into the ports ef the kingdom of Greece in British ships, shall be subject only to the same duties as are payable upon the like articles if imported in Greek vessels. And, reciprocally, a similar rule shall be observed in the ports of the United Kingdom, in respect of all articles not the growth, produce, or manufacture of the dominions of his Majesty the King of Greece, which can legally be imported into the ports of the United Kingdom in Greek vessels.
4. All goods, wares, and merchandise, which can legally be imported into the ports of either country, shall be admitted at the same rate of duty, whether imported in national vessels or in vessels of the other country ; and all goode, wares, and merchandise which can legally be exported from the ports of either country, shall he entitled to the same bounties, drawbacks, and allowances, whether exported in vessels of the one country or in those of the other.
fi. Neither of the two Govermments, and not eompany, erorporation, or mgent not ine in lablalf of, or mider the mithority of cither Govermucht, shall, in the porehase of any article which is the trow and is importad into the other, giva, either directly or indirertly, any priority or preforence on areonent of or in reference to the mational eharacter of the vessel in which such article may lo imported; it being the trae intent nud nomining of the high contratimg partles, that modistinction or dillerence whatever shall be made in this sespect.
(i. ir order to avoid any misunderstanding with regaril to the regulations which may determine the conditions which constitute a l3itish or (ireck vessel, it is herole ngreed that all vessels lmilt in the dominions of her Ifritamie Majenty. and all vessels which, havinir lesen eaptured from an amemy ly her Majesty's ships of war, or by the subjects of her snid Minjesty, furnishell with letters of margue by the Lorda Commissioners of the Almiralty, shall have been regularly condemnal in one of her snid Majesty's prize courts as lawfid prize; and all vessels which shall have bern condemned in any competent court for $n$ lirench of the laws made for the prevention of the slave trade; and which shati be owned, navifated, and registered according to the laws of (irent Britnin, whall be considered as lbritish vessels: and that all vessels built in the territories of (irnece, or which shall have heen captured from monemy ly the ships of war of the Greck Government. or by Greek suljects furnished with letters of mariue, and sliall have been regularly condemned in one of the prize courts of the kingiom uf (irecee ns a lawful prize, and which slanll In wholly owned by any subject or sulyjects of Grecee, and whered the master and threc-fourths of the reew are suljects of (ireece, shanll be conssider al as Greek vesselu.
5. If any ships of war or merchantmen of the one nation shonlal be wrecked oll the consts of the other, all such parts of the said ships of war ar merehantmen, or of the furniture or appurtenances thereof, as also all goods and merehandise which shall be saved, or the produce thereof, and likewise the papers found on board the vessel, shall be earefully preserved until they are clained hy the proprietors, or their apents duly anthorised, or by the respective consuls in whose district sueh wreek may lave taken place, if such chaim be preferred within the period tixed by the laws in force in the states of the hifh contracting parties; and such consul, proprictor, or agent shall pay only the expenses incurred in the preservation of the property, and the rate of salvage which would hare been payable, in the like case, upon a national vessel: and the said goods and merchandiso saved from the wreck shall not be liable to pay duties, inlese eleared for local consumption.
6. LIer Britannic Majesty nud his Majesty the King of Greece have agreed that cach of the high contracting parties shall have the right to nomimate and appoint consuls-general, consmls, and vice-consuls, in all the ports of the dominions of the other contracting party wherein such consular officers are or may be necessary for the advancoment of commerce and for the protection of the trade of the subjects of either crown; and it is expressly stipulated that such consuls, of whatever elass, shall, in the conntry in which they are stationed, be placed upon the footing of the consuls of the most favoured nation.
7. IIer ISritannic Majesty consents to grant to the subjects of his Majesty the King of Greece the same facilities and privileges, with respect to
the emmmerce to be carried on in Gircek ver with the Ihritish dominions in the lisant ludie: are or may be cujoyed muder any trenty ur As l'arlimment, by the subjects or eithent of the 1 faroured mation ; it being always undrestood the laws, rules, regulations, anil raetrictions wi are or may be applienble to the shipes aud subj of any othor forrign country, enjoyhus the facilities and privilcges of tralling wial the dominions, shatl he equally applicable to the : jerts of the linge of tireece.
8. All sulygerts of har liritannix Majesty sl within the dominions of tho King of tireece, h free as mative (ireeks to manage their own nil themselves, or to eommit the manugement those affairs to any other person whom they please to appoint, as broker, factor, agent, interpreter ; nor shall IBritishis sulyeets be restrai $;$ : their choice of persome to net in such erapacit nor he called upon to pay and salary or remu ration to any preron whom they shall not cho to employ. Absolite frecdon shall nloo le lowed, in all cases, to the bnyer and seller hargain together, and to tix, as to them mays mert, the price of any goods, wares, or mereh dise imported into, or to be exported from, dominions of the King of Grecee, observing laws and established customs of the comery. I same privilcres slanll be cujoyed in the din nions of her llritannic Majesty by the subjects his Majesty the King of Greece, imbler the sat conditions.
9. In all that relates to the police of prots, the lading and unlading of vessels, and to $t$ safety of merehandise, goods, and elliects, the loe laws and police regulations of each country shi be applied to the subjects of both, without di crimination or distinetion; and throughout t while extent of the territories of each eontractin purty, the subjeets of both shall enjoy full an cotire protection for their persons and propert They shall have free abi ensy access to the cour of justice in the prosecution and defenco of the rights, aml shall he at liberty to employ th lawyers, attorneys, or agents, of whatever denmination, whom they may deem the best qualifid to maintain and defend their interests; it bein understood that they shall conform, in this r spect, to the obligations imposed upon natives jecis by the laws of the comntry. In all th. concerns the udministration of justice, they sha enjoy the same privileges, rights, and franchis that belong to natives; and in none of these sha they be suljject to nuy other duty or tax than imposed upon natives. 'lhey shall be exempte from all compulsory nilitary service, either sen or by land; no forced loan shall be impos upon them; and their property shall be subje to no other eharge, requisition, or tax, than tho to which the property of natives shall be lialle.
10. IIer Majesty the Queen of the United Kin doun of (irent Britain and Ireland, and his Majes the King of (irceee, ngree that the subjects of t respective countries slinll enjoy, within the d minions of the other, the full bencfit of the cor plete toleration and protection for the protesen of atl religions opinions, which at present exif in both countries by law.
11. It shall be free for the subjects of her if tamic Majesty residing in the dominions of $t$ King of (ireece, aod for the subjects of his S ! jesty the King of Grecce residing in the $\dot{d}$ minions of her IBritannic Majesty, to dispose their property, of every description, by will testament, as they may judge lit; and if af British subject shall die in the territodies of t King of Greece, or any Greek subject shall die
cenrried on in fircok vansils minions in the Josint Indies, as Yed wisler any trenty or Act of sulbjerts or citizens of the most ; being alwnys umlonstuod that Intions, nati rentrintions which icuble to the ships and sulijects un ronntry, enjosing the like loges of trading will the sail repually njplicuble to the suls. tirecece.
of' lur lhritanniu Majesty shall, ous of the King of tirecee, he a eks to manare their own athat commit tho mannariment of other person whom they may , as braker, finctor, arent, or all Ilritislı subjects be restrained persons to net in such caparities is to pry any sulary or remuneson whon they shall not choose olute freploin slunll nleo loe alses, to the buyer and seller to and to fix, as to them may seem any grools, wares, or merchanto, or to be exported from, the e King of Greece, oloserving the hed customs of the country. The shanl bo enjoyed in the dumitnonic Majesty by the subjects of King of Greece, inuler the same
relates to the pulice of ports, tu unlating of vessels, ant to the mise, goods, and efliect: the lowal regulations of each country shall he subjects of both, without disdistinction; and throughout the the territories of eacl contracting eets of both shall enjoy full and n for their persons nud property. f free anta easy necess to the courts prosecution and defence of theit all he nt liberty to employ the eys, or agests, of whatever denia they may deem the best qualified a defond their interests ; il being t they slunll conform, in this re ligations imposed upon native subaws of the country. In all that Iministration of justice they shall e privileges, rights, and franchise untives ; and in mone of these shall t. to any other dinty or tax thatio natives. They slanll be exmptel milsory nailitary service, either by ; ; 110 foreed loan shall be imposen nd their property shall be subjec arge, requisition, or tax, than thes projerty of natives shall be liahle. jesty the Queen of the United Kinm rritain and Ireland, and lis Alajest. recce, agree that the subjects of the
intries stind e other stiall enjoy, within the do n and is opinions, which at present exits
protection for the protesors ries by lnw.
bo free for the subjects of her Ir y residing in the dominions of the cee, and for the subjects of his ya ns of (irecce resiaing in the of er Iritannic Majesty; to dispose , of every lescription, by will it ct shall olie in the territories of the ece, or any Greek subject shall die in
the territorios of tho Queen of tireat liritain, withont will or tratnment, the rexperetlvo consuls of viecomsuls shall exereise the right of administoring to tho propurty of subjuets of their mation s) dyin, intostato, for the bernetle of the legitimate heirs to suel property, abd of the creditors inom phe entate, so far as the laws of the respective connt ries whall minit.
12. The hifyl contracting jorties agree that the stipulations of the preseni zonvonion shanll for njplicable to fiburaltar and to the island of Malta.
lit. The presadt couvention slanll lie in forse for 10 years from the date of the exchange of the ratitheations thereof; and firtleer, matil the end of I! months nfter either of the lifig rontracting partios shall have given motioe to the other of its atention to terminnte the same; each of the bigh condricting parties resarving to itself the right of riving such notice to tho other at the end of the 10 years above mentioned, or at any other period after tlint time; and it is leereby arreed between thom, that at the expiration of 12 months after sweh notlee shanll have heen redeived by either jarty from the other, this convention, and alt the provisions thereof, shall altogether eonse and determinte
lti. The present convention whall be ratified, and the ratitications shall be exchanoral at Lomdon, within is months from the iate lureof.

In witness whereof, tho respective plinipotenfaries bave signed the same, and havo atlixed threto the senls of their arms.
tome nt Iomion, the Ath day of October, in the veat of our Lard 18:T.

An oriler in council, dited July 5, 18:38, direets that Greck vessels, entering or dejurting from the ports of the United Kingilom of Great Ihritain and lreland, together with the cargoes on board the same (snch cargoes eonsisting of articles which may le legally imported of exportind), shall not be subject to any either or higher duties of charges whatever than are or mhall be leviod on Iritish vessels entering or departing from such ports, or on similar articles, when imported intu or exported from surch ports in such vessels ; auti, alsu, such articles, when exported from the suid ports in Greek vessels, shall bo entitled to the same bonntics, drawbacks, and allowances that are granted on similar articles when exported in British vessels.

## Hinser Towns.

Cinvention of Commerce between his Britannic Majesty and the Free Hanseatic Repulics of Inbeck, Bremen, and Ifumburg. Signctl at London, September 24, 1825.
Artice 1. From and nfter the date hereof, British vessels entering or departing from the ports of the free Hansentic republics of Labeck, Bremen, or IIamburg; and Lulieck, Bremen, or Hamburg vessels eutering or departing from tho ports of the United Kingdom of (ireat Iritain and Irehand, shall not be sulject to any other or higher ship duties or charges than are or shall be levied on national vessels entering or departing from such ports respectively,
2. All goods, whether the production of the territories of the free Hanseatic republies of Lubeck, Bremen, or llamburg, or of any other country, which may be legally imported from my of the ports of the said republics into the United Kingdom of Great Britain and Ireland in ljritish
vessels, shanl, in like mamer, be permitted to be imported in Talweck, Hremen, or IImubur, vessels: and all gools, whether the prodinctions of any of the dominions of his Britamic Majesty, or of anle other country, which may be legrally exported Irom the poris of the Unlted Kingilomi in Itritish vossels, mhall, in like manner, bo permitted to be cxperted from the said ports in Laheck, Bremen, or Hambury vessols. And all goods, which may be legally imported into or exported firom the ports of liabeek, Iremen, or Llamburg, in natiomal vessels, shanl, in like manner, be permitted to be inp,ortet into or exported from the purts of' Lableck, Bremen, or IIanburr, in British vessels.
3. All gools which ean be legally imported into the ports of the United Kiugdom directly from the purts of Lableek, Bremen, or Hamburg, or either of them, shall he admitted at the same rate of dats, whether imported in British vessels, or in vessels bedonging to cither of the said republics; and al! coools which ran be legally exported from the United Kingolom, shall be entitled to the same bounties, drawhacks, and allowances, whether exported in Dritish or Hanseatic vessels. And the like reciprocity shall be observed in the ports of the said republice, in respect to all froorls which can be legally imported into or exported from any or either of the said ports in vessels belonging to the United Kingdom.
4. No priority or preference shall be given, directly or indirectly, by any or cither of the contracting parties, nor by any company, corporation, or agent, acting on their belall or under their anthority, in the purchase of any aricle, the \&rowth, produre, or manufacture of their states respectively, imperted into the other, on acconnt of or in reference to the character of the vessel in which such article was imported; it being the true intent and meaning of the high contricting parties that no distinction or difference whatever shall be made in this respect.
5. In consideration of tho limited extent of the territories belonging to the republies of Lubeck, Bremen, and llamburg, and the intimato connection of trade and navigation subsisting between these republies, it is hereby stipulated and agreed, that any vessel which sliall have been built in any or either of the ports of the said republies, and which shall bo owned exclusively by a eitizen or citizens of any or either of them, and of which the master shall also be a citizen of either of them, and provided 3 of the erew shall be subjerts or citizens of any or either of the said repiblics, or of any or either of the states comprised in the Germanic Confederation, such vessel, so built, owned, and navigated, shall, for all the purposes of this convention, be taken to be and be considered as $n$ vessel belonging to Lubeck, Bremen, or lla abburg.
6. Ary vessel, together with her cargo, belonging to either of the three free IIanseatic repullics of Labeck, Bremen, or IIamburg, and coming from either of the said ports to the United Kingdom, shall, for all the purposes of this conventid, be deemed to come from the eounti, to which such vessel belongs; and any lititish vessel and her cargo trading to the porty of Lubeck, Bremen, or LIamburg, directly or in succession, shall, for the like purposes, be on tho footing of a Manseatic vessel and her cargo making the same voyage.
7. It is further mutually agreed that no higher or cther duties shall be levied, in any or either of the states of the high contracting parties, upon any personal property of the subjects and eitizens of each respectively, 0 . the removal of the same
froblis the dominions or territory of such states ( "ither upon the inheritance of such property, or ithorwise), than tue or shall be paynble, in ench state, upon the like property when removed by a sulyect or ciflzen of such stite respeetivaly.
8. The high contracting parties rescrve to thenselves to enter upon additional stipulations for the purpose of facilitating and extending, even beyond what is comprehended in tho convention of this date, the commercial relations of their respective subjects und dominions, citizens, and territories, upon the principle either of recipnoenl or equivalent alvantages, us the case may be; and, in the ovent of any artlele or articles being concluded between the salil high contracting parties, tor piving effect to suelh stipulations, it is hereby ugreed that the article or articles which may hereafter be so concluded whall be considered as torming part of the present convention.
9. The present convention shall be in torce for the term of 10 yenrs from the date hereof; and further, mintil the end of 12 months after the King of the United Kingdom of Great Britain and Ireland, on the one part, or the Govermments of the free Hanseatic repuhlies of Lubeck, Bremen, or IJamhurg, or either of them, on the other purt, shall have given notice of their intention to terminate the same; each of the sald high contrneting parties reserving to itself the right of giving such notice to the other at the end of the said term of 10 years; and it is horeby agrecd hetween them, that, at tho expiration of 12 months after such notice slunll have heen received by either ot the parties from the other, this couvention, and all the provisions thereof, shall altogether cease and determine, as far as regards the states fiving and receiving such notice; it being always understood and agreed, that, if one or moro of the Hansentic republies aforesaid shall, at the expiration of 10 years from the date hereof, give or receive notice of the proposed termination of this convention, such convention shall, nevertheless, remain in full force and operation, as fur as regards the remsining Hanseatic republics or republic which may not have given or received such notice.
10. The present convention shall be ratified, and the ratitication shall be exchanged at London, within one month frem the date hereof, or sooner if possible.

In witness whereof the respective plenipotentiaries have signed the same, and have affixed thereto the seals of their arms.

Done at London, September 29, 1825.
Grorge Canning.
W. Heskisson.

James Colquhoun.
Supplementary Concention to the Treaty of Commerce and Navigation of September 29, 1825, between the Senates of the Free Manseatic Cities of I,ubeck, Bremen, and Hamburg, and her Majesty the Qneen of Greut Britain and Irelind. Signed at London, August 3, 1841.
Article I. The senate of the free Hanseatic cities of Lubeek, Bremen, and Hamhurg, herehy agree that British vessels coming from countries not being part of the dominions of her Britannic Majesty, shall henceforward, together with their cargoes, be admitted into the ports of Lubeek, Bremen, and Hamburg, and all vessels slaall on their admission pay dues not higher nor other than those which shall be paid in similar circumstances by vessels belonging to Lubeck, Bremen, or Hamburg, and the duties to be paid upon the cargoes of such British vessels shall not be higher nor other than if such eargoes had been imported
in vonsels belonging to Lniseck, lirentur, llamburg. Aul in consideration thereof, he Britmuic: Majesty agroes that from and after the dute of the exclinge of the ratitleation of thi present convention, the vessels of the said fre IImseatic republies of Lubeek, Bremen, fan Hamburg, when coming from Flanseatic ports ehall, together with their eargoes, bo admitted into the ports of all her Britaunic Majesty jossessions ; and such vessels shall, on thein almission, pay dues not higher nor other tham those which slall be puid in similar ciremostances by Hritish vessels; und the daties to be paid upon the enrgoes of such Iluasoutic vessels shall not he higher nor other than it such engoes hat been inported in llitish vessels.
2. In consideration of the privileges extended to British trude and navigntion by the tirst article of the present convention, her Britanuic Majesty further agrees that all roois, being the produce of the states of the free Ifanseatic cities of Labeek. Hremien, and Wambirg, or of tho other states of the ( dermanic Confederation, or of the states comprised in the Germanic Union of Customs, nad whieh may be imported in any foreign vessels from the ports of Labeck, Breinen, and Hamburg, or from any port situated on the Fibo or Weser, into the ports of the British possessions abroad, ineluding Cibrnltar and Maita, shall also be permitted to be imported from tho said ports of the free cities of lubeek, Bremen, and llamburg, into the ports of the sulid liritish possessions abraad, inclinding Gibraltar and Malta, in vessels belonsing to Lubeek, lremen, and Hamburg, built, owned, and mavigated as stipulated in the fifth article of the convention of commeree and naviration, coneladed on the 29th of September, 18.5 , between Great Britain on the one part, aad the free Hansentic cities of Labeck, Bremen, and Hamburg, on the other part; and sach goods, wares, and merchandise being the produce of the free IIanseatic republics, or of the other states of tho (iermanic Confederation, or of the states of the Germanic Union of Customs, and so importel in Hanseatic vessels into the ports of the said British possessions abroad, including Gibratar and Maltu; and all goods, wares, nnd merchandise exported in Hanseatic vessels, built, owned, and navigated as aforesaid, from the ports of the British possessions abroad, ineluding Gibraltar and Malta, to any foreign country whatever, shall pay no other or higher duties than if the same were imported or exported in British vessels.
3. The present convention, which shall be considered as supplementary to the convention coneluded between Great Britain, id the free Hanseatic republics on the 29th of September, 1825 , shall be ratified, and the ratifications shall be exchanged at London as soon as possible within the space of six weeks.
In witness whereof the respective plenipotentiaries have signed tho same, and have affixed the seals of their arms.

Dene at London, on the 3rd day of August, in the year of our Lord 1841.

Palmerston.
Banks.
By an order in council dated September 14 , 1841, her Majesty is pleased to order that all goods being the produce of the states of the free Hanseatic cities of Lubeek, Bremen, and Hamburg, or of the other states of the Germsnic Confederation, or of the states comprised in the Germanic Union of Customs, and, which may be imported in any foreign vessels from the ports of Lubeck, Bremen, and Hamburg, or from any port situated on the Elbe or Weser into the
to Lubeck, Brewoen, or to Latheck, thereof, her cen that from and after the of the ratitleation of this ae vessels of the said fre of Lulieek, Bremen, nad ing from llansentic ports, their eargoes, be ndmitted 1 her Britannic Majesty's ch vensels shall, on their not higher nor other than audd in similar circumstane and tho dluties to be pail snch IImseatic vessels shall ler than if such eargoes hal tislı vessels.
t of the privileges extended navigntion by the first article ntion, her Britammic Majesty Il rools, being the produce of a Ilansentic cities of Lubeck. urg, or of the other states of leration, or of the states comanic Union of Customs, and orted in any foreign vessels beek, Bremen, and IIambut, thatel on the Flbe or Weser, te British possessions abroat - and Malta, shall also be perted from the said ports of the 6. Bremen, and Hamburg, inte id 1Britisli possessions abroarl, and Malta, in vessels belonstremen, and II Lamburg, buit, atel as stipulated in the lifth enticm of commerce and narion the 29 th of September, 1825 , itain on the one part, and the ities of Lubeek, Bremen, and other part ; and such goods, andise being the produce of the publice, or of tho other states of nfederaijon, or of the states of on of Customs, and so imported sels into the ports of the said is abrond, inelueling Gibraltar Il goods, wares, and merchandise seatle vessels, built, owned, and resaid, from the ports of the is abroad, including Gibraltar higher country whatever, ehall exportel in British vesscls. exported in Brish which shall b pplementary to the eonvention en Great Britain ( id the free lics on the 29th of September, tified, and the ratifications shall t London as soon as pessible of six weeks.
ereof the respective plenipotened the same, and have affixed the on, on the 3rd day of August, in مrd 1841.

Palmerston.
Banis.
in council dated September 11 , ty is pleased to order that all produce of the states of the free of Lubeck, Bremen, and H8mther states of the Germanic Cos$f$ the states comprised is the of Customs, and, which may the ports of n, and vessemburg, or from any in the Elbe or Weser into the
purts of the llitish possomions abroad, including Gibraltar and Malta, slall also be permitted to be imported from the snid ports of the free cities of Labeek, lhemen, and Hambirg, into the ports of tho said British possessions abroad, including tibraltar: and Malta, in vessels belongilig to Lubeek, Bremen, and llamburg, built, owned, aud mavigated as stipulated in the flfth article of the eonvention of commerce and navigation, concludet on the 29th of September, 1825, between Great Britain on the ond gart, luad the free Inamsentio eities of Labeck, Bromen, and Mamburg on the other part; and such goouls, being the produce of the free IIanseatle republics, or of the other states of the Germanic Confederation, or of the states of the Germanic Union of Custons, and co imported in Ilanseatio vessels into the ports of the salid Eritish possessions abroad, including Gibraltar anl Malta, and all foods exported in Hanseatio vessels, built, owned, and navignted us aforesaid, from tho ports of the 13ritish possessions abroad, including Gibrattar and Malta, to any forelgn country whutever, shall bay no other or higher duties than if tho sume were imported or exported in British vessels.

## Italy.

Trealy of Commerce and Navigation betucen her Majesty athd the King of Italy. Signet at Turin, August 6, 1863. Rutifications c.rchanged at London, October 29, 1863.
Articlo 1. There shall bo between all the domibious aud possessions of tho two high contracting parties reciprocal freedom of commeree and navigation. The subjects of each of the two contucting parties, respectively, shall have liberty freely and securely to come, with their ships and cargoes, to all places, ports, ned rivers in the deminions and possessions of the other, to which other foreigners are or may be permitted to come; and shall, throughout the whole extent of the domiuions and possessions of the other, enjoy the same rights, privileges, liberties, favours, immunities, and exemptions in matters of commerce and navigation, which are or may be enjoyंed by native subjeets generally.
2. No other or higher duties shall be imposed oa the importation into the clominions and possessions of her Britannic Majesty, of any article the produce or manufacture of the dominions and possessions of his Majesty the King of Italy, from whatever place arriving, and no other or higher duties shall be imposed on the importation into the dominions and possessions of his Majesty the King of Italy, of any article the produce or manufseture of her Britannic Majesty's dominions and passessions, from whatever place arriving, than are or may be payable on the like article, the produce or msnufacture of any other foreign country ; norshall any prohibition be maintained or imposed on the importation of any article the produce or manufacture of the domiaions and possessions of either of the contracting parties into the dominions and possessions of the other, which shall not equally extend to the importation of the like articles being the produce or manufacture of any other ecantry.
His Msjesty the King of Italy further engages that he will not prohibit the importation into his domiaions and possessions of any article the produce or manufacture of the dominions and possessioas of her Britannic Majesty, from whntever place arriving.
3. No ather or higher daties or charges shall be imposed in the dominions and possessions of
either of the contracting parties, on the exportation of any article to the deminions and bosaessions of the other, than such as are, or may be, payable on the exportation of the like articto to niny other foreign country; nor shall any prohilbition be imposed on the exportation of iny articlo from the domindons and possessions if either of tho two contracting parties to the dominiona and possessions of tha other, which shall not equally extend to the exportntion of the like article to any other comintry.
4. The subjects of one of the contracting parties shall enjoy, lin the dominions nud possessions of the other, equality of treatment wit! nutive subjeets in all that relates ta the transit trado; amd also iu regaril to warohonsing, bounties, facilities, and lrawbacks.
5. All articles which are or may be legally importable linto the purts of the dominions aum possevsions of lier Iritannic Majesty in Britiali Yessels, nay likewiso bo imported into those ports in Italian vessels, without being liable to any other or ligher i:ities or charges, of whatever denomination, than if such articles were imported in british vessels; and reciprocally. all articles which aro or may be legally importable into the ports of tho dominions and possessions of his Majesty the King of Italy in Italian vessels, may likewise be imported iuto those ports in British vessels, without being liable to any other or higher cluties or charges, of whatever denominathon, than if such articles wero imported in Italian vessels. Sueh reciprocal equality of treatinent shall take effect without distinetion, whether such articles come directly from the place of origin, or from any other place.

In the same manner there shall be perfect equality of treatment in regard to exportation, so that the samo export duties shall bo paid, and the same bounties and drawbaeks allowed, in the dominions and possessions of either of the contracting parties, on the exportation of any article which is or inay be legally exportable theretrom, whether such exportation shall take place in Italian or in British vessels, and whatever may be the place of clestiastion, whether a port of either of the contracting parties or of any third Power.
6. No duties of tonnage, harbour, piletage, lighthouse, quarantine, or other similar or corresponding duties, of whatever nature, or under whatever denomination, levied in the name or for the profit of Government, public functionaries, privato individuals, corporations, or establishments of any kind, shall be imposed in the ports of the dominions and possessions of either country upon the vessels of the other country, which shall not equally and under the same conditions be imposed in the like cases on national vessels in general. Such equality of treatment shall apply reciprocally to the respective vessels, from whatever port or place they may arrive, and whatever may be their place of destination.
7. In all that regards the stationing, loading, and unloading of vessels in the ports, basins, docks, roadsteads, harbours, or rivers of the dominions and possessions of the two countries, no privilege shall be granted to national vessels which shall not be equally granted to vessels of the other country; the intention of the contracting parties being that in this respect also the respective vessels shall bo treated on the footing of perfect equality.
8. The contracting parties agree that, in regard to the coasting trade, the vessels and subjects of each contracting party shall enjoy, in the dominions and possessions of the other, the same privi-
lrges, and maall be trented in ail renpects in the mane mamer, as uatiounl vessels and native subjeets.
The provisions of this Articlo mhall, however, as rempects the cobominl consting trade, be deemed to extemi only to the conating trade of such of the eolomial prossessions of lier Iritaunic Mnjenty at may have petitioned or may hereafter petition hor Majesty, under the provinions of the Act rulating thereto, to throw opell their coasting trade to foreign vensels.
9. All vessels which according to british law are to be deemed liritish vessels, and all vessels which according to Italian law aro to in deemed Italian vessels, shall for the purposes of this treaty be deemed Britial and Italian vessels renpectively.
10. The contracting parties agree that in all matters relating to conmerce and navigation, any privilege, favour, or immunity whatever, which either contracting party has actually grnnted, or may berenfter grant, to the subjects or citizens of any other State, phall bo extended immedintely and unconditionally to the subjects or citizens of the other contracting party; it being their intention that the trade and navigation of ench country shall be placed, in all respects, by the other on the froting of the most faveured nation.
11. Any import duty levied ad valorem in the territories of lis Mnjesty the King of Italy shall be calculated on the vilue at the place of prothuction or fabrication of the ohject imported, with the aldition of the cost of transport, insurance, and commission necessary for tae importation into Italy, its dominions and possersions, as fur as the port of diselarge.

For the levyin; of these duties, the importer shall make a written dechration at the custemhouse, stating the value and description of the goods imported, with the addition nforesaid. If the enstom-house authorities shall be of opinion that the declared valne is insutficient, they shall be at liberty to take the goods on paying to the importer the price deelared, with an addition of 5 pert cent.

This payment, together with the restitution of any duty which may have been levied upon such goorls, shall be made within the 15 day sfollowing the deelaration.
12. The sulyjects of ench of the contracting parties shall have, in the dominions nud possussions of the other, the same rights as mative suljects in regard to trade-marks and designs of every description applicable to articles of manufacture.
13. It shall be free for each of the contracting parties to appoint consuls-general, consuls, viceconsuls, and Consular ngents, to reside in the towns and ports of the dominions and possessions of the other. Such consuls-general, consuls, vice-consuls, and consular agents, however, shall not enter upon their functions until after they shall have been approved and adnitted, in the nsual form. by the Governme to which they are sent. They shallexercise whatever functions, and cujoy whatever privileges, exemptions, and inmmuities are or shall be granted there to consuls of the most favourell nation.
14. The sirijeets of each of the contracting parties, confuming themselves to the laws of the country:-

1. Shall have full liberty, with their families, to enter, travel, iv reside in any part of the dominions and posse sions of the other contracting party.
2. They shall be permitted to hire or possess the honses, manufactories, warehouses, shops, and premises, which may be necessary for them.
3. They may earry on their commeree, el iu person or hy any iugents whom they may th tit to employ:
4. They shall not be sulject, in reapert of t persous or property, or ill resplect of pasan licellses fir residenice or establishment, hir in sjeet of their commeree ur industry, to any tas whether general or loenl, uor to ingoosts or obin tlons of any kind whatever, other or greater t those which are or may be imposed upon nat subjects.
5. The sulyects of each of the contrneti parties in the domiuions and possessions of other whall be exempted from all compulso military service whutever, whether in the arn navy, or nationnl gund or militia. They sh be equally exempted from all julicial and mus cipal fumetions whatever, ns well as from nil eo cributions, whether pecuniary or in kinu, impos as a compensation for personal service; an thally, from furced loans and military exactio or requisitions.
6. The subjects of ench of the contracting pa ies in the dominions and possessions of the oth shall be at full liberty to acquire, possess, and di pose of every deseription of property which it aws of the combtry may permit any forelgners whatsoever antion, to acquire and possess. The may aequire nud dispose of the same, whether b purchnse, sale, lonation, exehange, marriage, te tument, succession ab intestato, or in any othe manner, tuder the samo conditions as are estab lished lyy the laws of the country fer all foreigner Their lieirs and representatives may suceed and take possession of such property, either i person or by agents acting on their belniff, ia th same manier and In the same legal forms a suljects of the country. In the absence of heirs and representatives the property shall be traten in the same manner as the like property beloginis to a subjeet of the country under similar circumstances.
In uone of these respects shall they par upor the value of such property any other or highee impost, duty, or charge, than is payable by subjects of the country. In every ease the subiectof the contracting parties shall be permitted ed export their pruperty, or the proceeds thereof is sold, freely, and without being subjee ed on sud exportation to pay nny duty as foreiguers, or ans other or higher dinties thnin those to which sutb. jects of the country are liable under similar cir cumstances.
7. The thwellings, manufactorics, warehouses and shops of the subjects of each of the contracting parties in the dominions and possessions of tha other, and all premises appertaining thereto, destined for purposes of residence or commerce, shal be respected. If there should be occasion t. make a search of, or a domiciliary visit to suct ilwellings and premises, or to examine or insper books, phpers, or accomnts, sucli measure shall bof executed only in conformity with the lega warrant or order in writing of a tribunal, er of thy completent authority.

The subjects of each of the two contracting parties in the dominions and possessions of the other shail have free access to the ceurtis? justice for the prosecution and defence of theid rights. They shall enjoy in this respect the eams rights and privileges as subjects of the cenntr: and shall, like them, be at liberty to emplop, in all causes, their advocates, attorneys, or arent from among the persons admitted to the exerise of those professions according to the laws of the country.
18. Any ship of war or merchant-vessel of eithe
$y$ on their commerce, willus uigenta whom they may think
be subject, in respect of their ,or ill remperet of pasypurt, 0 or entablisimwent, bur an feerce or industry, on me taxe loend, nor to imposts or obligawhatever, other or greater than may be imposed upon native
of each of the contracting ninlons and possesslous of the cmpted from all compulsory antever, whether in the army, gunrd or militia. They shall ed from all judicial and muniatever, ns well as from all conr pecuniary or in kind, imposed on for persenal service; mal, d loans and military exactions
af each of the contracting parons anll possessions of the other erty to acquire, possess, and di-eription of property which the ry may permit any foreigness of i, to acquire and possess, They dispose of the same, whethe by uation, exchange, marriage, texta ab intestato, or in any other ic same conditions as are estab. s of the country for all forcigmers representatives may succeed t. ion of such property, either in ots acting oll their behalt, in the nd in the same legal forms a country. In the nosence of heirs ves the property shall be trentel ner ns the like property belonging he comatry under similar circum-
aese respects shall they pay upon ch property any other or higher charge, than is paynble by subatry. In every case the subiect lig parties shall be permitted to operty, or the proceeds thereof if without being subjer ed on such ony nny duty as foreigucrs, or any duties than those to which suljmintry are liable under similar cir-

Hlings, manufactorics, wnrehouses, subjects of ench of the contracting dominions and possessions of the remises appertaining thereto, de-ses of residence or commerce, shall
If there should be occasion tin
of, or a domiciliary visit to sach oremises, or to examine or inspect ir aecounts, such mensure shall be in conformity with the legal $r$ in writing of a tribunal, or of the hority.
dom each of the two contracting dominions and possessions of the ave free access to the courts a prosecution and defence of theis vileges as subjects of the countr, them, be at liberty to emplor, in eir advocates, attorneys, or aren he persons admitted to the exerce
asions according to the lawa of the ssions according to the lawa of the
p of war or merchant-vessel of eitber
of the contracting parties which may be comjelled by atrens of weather, or by necident, to anke whelier in $n$ port of the other, shall be nt liberty to retit therein, to prownre all necesary atores, and to put to sea ngain, withont pryime mis dues other thun nueh un would bo prya le la a similar case by a mational vessel. In cave, however, the master of a merchant-vensel should be under the necessity of disposing of a part of his merchandise in order to defray hils expensen, he shall bo bound to conform to the regulntions und tarills of the place to which he may linve come.
If any slip of war or merchant-vessel of one of the contracting parties whonld run aground or be wreckel upon tho consts of ti: ` other, such siup or vessel, nad all purts thereof, nud all furniture and appurtenances belonging therennto, nud nil goods and metchandise snved therefrom, including muy which mny have been cast into the sen, or the procects thereof if sold, as well as nil pnpers fuund on honrd sucis stranded or wreeked ship or vesel, shall bo given up to the owners or their agents when clalmed by them. If there are no such owners or ngents on the spot, then the snme thall be dellvered to the Britisli or Italian comsulgenersi, consul, or vice-consul, in whose district the wreck or strandiug may linve taken place, apon being elaimed by hlm within the preiod fixed by the laws of the country; anl such consuls, owners, or agents, shall jay only the expenses incurred in the preservation of the property, together with the salvage or other expenses which would have been payable in the like case of a wreek of a national vessel.
The goods and merchandise saved from the wreck whall be exempt from all duties of customs, unless cleared for consumption, in which ense they shall pay the sanie rate of duty as if they lud been imported in a national vessel.
la the case either of a vessel being driven in by stress of weather, run agronnl, or wrecked, the respective consuls-genernl, consuls, vice-consuls, and consular agents slinll, if the owner or master of other agent of the owner is not present, or is present and requires it, be authorised to interpose morder to afford the necessary sssistance to their fellow-countrymen.
19. The consuls-general, consuls, vico-consuls, and consular agents of each of the contracting parties, residing in the dominions and possessions of the other, shall receive from the local nuthoritics uuch assistance as can by law be given to them for the recovery of deserters from the vessels of their respectirc countries.
20. The present treaty of commerce anil navigation, when ratified, shali be substituted fur the treaties in foree between the high contracting parties, namely, those concluded on the 5 th of April, 1847, aud 30th of December, 1854, between Great Britain and Tuseany; and on the 29th of April, 1845, between Great Britain and the Two Sicilies; and on the 27th of February, I85I, and 9th of August, 1854, between Great 13ritnin nnd Sardinia; and shall remain in force for 10 years from the date of the excliange of the ratifications, and further until the expiration of 12 months atter either of the contracting partics shall have given notice to the other of its intention to terminate the same; ench of the contracting proties being at liberty to give such notice to the other at the expiration of the first 9 years, or at nay time afterwards.
21. The present treaty shall be ratified, and the ratifications shall be exchanged at London, in six weeks, or soener if possible.
In witness whereof the respective plenipoten-
tiaries have nigned the same, and have nillued thereto the seal of their arms.
'lurlin, Augnst 6, 180.3.
Jastes llemson. Gtovanmi Mlanna.

## Mexicos.

Trealy of Amity, Cummerce, and Navigation, betwreen Great Britnin and Mexico. Signad at Loudow, December 2ti, 18: 4 .

Article 1. There shall be perpetunl nmity between the lominions nut subjects of his Majenty thas King of the United Kingilum of Grent Britain and Irelaml, and the United States of Mexico, nud their citizens.
2. Thure shanli be, between nli the territories of lis Britannle Anjesty in liuroper and the territories uf Mexico, a recijrocal freedom of commerce. Tho inhmbitnuts of the two comntries, resurectively; shali have liberty freely and securely to come, with their ships and cargoes, to all places and rivers in the territories nforeanil, suving only such partleular ports to whieh other foreigners shall not be permitted to come, to enter into the same, and to remain and reslde lis nuy part of the said territories respectively; also to hire and oceupy houses and warchouses for the jurposes of their commerce; and, generally, the nurehants and traters of ench antion, respectively, shall enjoy the most complete protectlon and security for their commerce.

In like manner, the respective ships of war nuld post-ofllee packets of tho two countrics shall have liberty freely and sccurely to come to all harbours, rivers, and places, saving only such particuiar ports (if any) to which other foreigu ships of war and packets shall not be permitted to come, to enter into the same, to anchor, and to remain there and reflt; subject nlways to the lnws and stntutes of the two countrles respectively.
lly the right of entering the places, ports, and rivers meutioned In this article, the privilege of carrying on the coastiug trale is sot understood, in which national vessels ouly are permitted to cugnge.
3. Ilis Majesty the King of the United King jom of Great Britain and Ireland engages further, that the inhabitants of Mexico shail have the like liberty of commerce and navigation stipulnted for in the preceiling article, in all his domiuions situated out of Europe, to the full extent in which the same is permitted at present, or shall be permitted hereafter, to any other nation.
4. No higher or other cluties slanll be imposed on the importation into the dominions of his Britnnnic Majesty, of any article of the growth, produce, or manufacture of Mexico, and no bigher or other duties shall be imposed on the importation into the territories of Mexico, of any articles of the growth, produce, or manufncture of his Britannic Majesty's dominions, than are or shall be prayable on the like articles, being the growth, produce, or manufacture of any other foreign country; nor shall any other or higher duties or charges be imposed in the territories or dominions of either of the contracting parties, on the exportation of my articles to the terr:+ories of the other, than such as are or mny be payuble on the exportation of the like nrticles to nny other foreign conntry; ror shall any prohibition be imposed upon the exportation of nuy articles, the growth, produce, or mnnufacture of his Britannic Majesty's clominions, or of the said territories of Mexice, to or from the said dominions of hls Britnunic Majesty, or to or from the snid territories of Mexice,

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which miall not equally extend to all other unt lons.
b. No higher or other duthen or chateges on necount of tomage, light or harbour ches, pilotager, malvage in case of danomge or whipwrenk, or noy ather lineal charges, shall le impused, II moy if the ports of Mexion, on Biritinh reswelm, thinn thone pusable in the sume ports lyy Mexiran vemsels (wie nil ithonal articles at the end of this trenty); nor, in the porta of his Ilritanuic Majenty'n turriturien, on Mexican vessels, than whall be paynhbe, in the same ports, on Iritlah vemsels.
6. The anme dution mhall lhe phill on the lanportation into the territorles of Mexieo of nuy artlele the growth, produce, or manufheture of his Iiritannie Slajosey 's domblans, whet luer such importation shall le iti Mexienn (aee additionnd artheles at the end of this treaty) or in lititisli vewsels; and the same dutien natall be padal on the importation into the dominions of his Iritmmie Majenty, of noy article the growth, produce, or manaficenre of Mexico, whether such impurtations manll be in liritish or in Mexient vewsels. The mane ditien ahall be paid, and the sume bonnties nud drawbacks allowed, on the exportation to Mexico of any artielen of the grow th, produce, or manufacture of his Ilritanule Majenty's dominions, whether anch exportation shall be in Mexicen or in IBritish vessels; and the amme duties shall he pait, and the amme bounties and drawbackn nllowed, on the exportation of any articles the growth, prosluce, or manufacture of Mifexico, to lim Britumic Majenty's dominions, whether anch exportation ahnlf be in British or ill Mexican vennols.
7. In order to avoid any misnnderstmading with respeet to the regulations which may respeetively constitute a British or Mexican vessel, it is herely ngreed that all vessels built in the dominions of lis Ibr tamic Majeaty, or vesamis which shall have beet: captured from an enemy by his Britanmie Majesty's shipe of war or by wubjects of has anid Mnjesty, furmished with letters of marigue by the Lords Commissioners of the Admiralty, and regularly condemned in one of his anid Majenty's prize courts as a lawful prize, or which shall have been condemned in any competent court for the brench of the laws made for the prevention of the slave trade, and owned, navigated, and ristered according to the laws of Great Britain, whall be eonsidered as Ilritish vessels; and that all vessels built in the territories of Mexico, or captured from the unemy by the shipes of Mexico, nud comblemned uinder similar cirenmatances, and which shall be owned by any citizen or citizens thereof, and whereof the master and $\$$ of the mariners are eitizens of Mexico, excepting where the laws provide for any extreme cases, shall be considered as Mexican Vesselt.
And it is further agreed, that every vessel, qualitied to trade as above described under the provisions of this treaty, shall be furnished with a register, passport, or sea letter, under the signature of the proper person authorised to grant the same, according to the laws of the respective conntries (the form of which whall be communicated), cortifying the name, vecupation, and residence of the owner or owners, in the dominions of his Britannic Majesty, or in the territeries of Mexico, as the case may ve; and that he or they is or are the sole owner or owners, in the proportion to be specified; together with the name, burden, and description of the vessel as to build and measurement, and the several particulars constituting the national character of the ressel, an the case may be.
8. All merchants, commanders of ships, and
whores, the nulypects of his Hritami.ce Majeaty nhall have full liberty, in all the territorles of Mexicos, to manuge their owit affiere themselese or to commit them to tho managenent of whom nower they please, as liruker, finetor, ngent, or interpireter ; nor shanll they be obliged to emphey. any wher prranis for thome purpomen than thise emiployed liy Mexidinm, nor to puy them any ather malary or remmerration than much as is paid, in like cuses, hy Mexican citizens; nul ahsolute froedom shall be allowed, in all eases, to the buyer and weller, to harguin and tix the prices of any goods, imjerted into or exporten from Mexleo, as they whall soe good, obocerving the Inwa and eatablishied cuatoms of the comintry, The name privileges shall he enfoyenl in the deminions of his Ilritannie Mnjenty, by the citizens of Mexico, under the same eonditions,

The cltizens and aubjects of the contractiag partles, in tha territorien of each other, shall rescive and enjoy full and porfect protection fur their permous mit property, and shall have freo null open access to the courla of justice in the said countrien, rempeetively, for the prosecution and drefence of their jont rights; and they whall bo at liberty to employ, in all causes, the alvocates, attorneys, or agents of whatever description, whom they may think proper; and they whall enjoy, in this respect, the mame rights and privileges therein as mative citizens,
I. In whatever relates to the anccession to personal eatates, by will or otherwine, and the disposal of personal property of every sort and lenomination, by sale, donation, exchange, of tentament, or in any other manner whatsoever, as also the alministration of justice, the suljects and eltizens of the two contracting partles shall culoy, in their respective dominions and territaries, the same privilchen, liberties, and rights, ar suljects; and shall not be charged, theso respecta, with any higher imposts
thall thoso which are paid, or may be ,.... , $!$ the native sulyjects or citizens of the power in whase dominions or territories they may be rexident.
10. In all that relates to the police of the ports, the lading and unlading of ships, the safety of merchandise, goods, and effects, the subjects of his Britannic Majesty, and the citizens of Mexico, respectively, ahall be nubject to the local laws and regulations of the dominions and territories in which they may resile. They shall be exempted from all compulnory military service, whether by sen or land. No foreed loans shall be levied upon them; nor shall their properly be nuljeet to any other charges, requisitions, or taxes than such ns are paid by the native suljects or citizens of the contracting partics in their respective dominions.
11. It shall be free for each of the twe conlracting parties to appoint consuls for the protection of tracle, to reside in the dominions and territuries of the other party; but, before any consul shall net as such, he shall, in the usual form, be approved and admitted by the Goverument to which he is sent ; nud cibher of the contracting parties may except from the residence of consult such purticular phaces as either of them may judge fit to be excepted. The Mexican diplomstic apents and consuls mhatl enjoy, in the dominions of his Britnnnic Majesty, whatever privilege; exceptions, and immunities are or ahall be grauted to afents of the same rank belonging to the most favoured nation; and, in like mauncr, the diplomatic arents mod consuls of his Britannic Majesty in the Mexican territorics shall eujur, according to the strictest reciprocity, whatever

Lis Itrianis.c Mnjesty. ill all the territurles of o own aflisirs themselves, ow In almars the of whum. broker, fiutor, agent, or hev be obliged to ermploys thone purposeses thuns thase W, nor 10 pry then nove ration than wach na ba phing, an eltizens; and alisolute wed, fit all cam's, to the rgain and tix the prices of into or exporterl from see good, olsaerving the costoms of the comitry, shall be enjoyed in the rilanuic Majenty, ly the flor the same comitithos, ubjects of the contractiag orles of caplh other, whall 1 and perfect prolection fir operty, and whall linve free the courts of juatice in the ctively, for the prosecution junt rights; and they whall foy, it all caunen, the adroagents of whatever descriptay think proper; and they reapect, the same rights and native citizens.
relates to the succession to will or otherwine, and the 1 property of every sort and sale, donntion, exchange, of y other manner whatsoever, ution of justice, the suljects two contracting parifes shall ctive duminions and terit ories, 1, liberties, and rights, $a^{\circ}$ il not be charged, i h any higher imposts aro paid, or may be p...., y, ts or citizens of the power in or territories they may be
elates to the police of the porte, hlating of ships, the safyty of $s$, and effects, the subjects of sty, and the cilizens of Mexico, be anbject to the local laws of the dominions and terriit may reside. They shall be land lam ; nor shall their property other charges, requisitious, of an are puid by the native sub the contracting partics in their ms.
ree for each of the two enntractmint consuls for the protection $y$; but, before any conul slonll hatl, in the usual form, be aped by the Government to whict fither of the contracting parties the residence of consult such is either of them may judge tit The Mexican diplonstic auents enjoy, in the domiluims of his , whatever privilege; excepities are or shall be granted to ie rank belonging to the matiand, in like maner, the diand consuls of his Priamaic Nexican territories shall emjuy, striciest reciprocity, whatever
privilegen, exceptions, nud inmmition are of may Fer granten en the Mexicun diglomitho ngentes mili con*ulis fil the dominlons af his thitannie Majenty, 12. For the better menerity of cumbure het wen
 ritizum of the Mexiem Neates, it is agreed that if, it miy time, any linterruption of frinndy luterconrse, of miny ripthres, shomhl mifintumately take place lnetwern the two comspacting partion, the merchants rexiding umon the eonat shall be allowed it months, and those of the interior a while year, to wind up their aceomis, and dis. puse of their promerty: mol an sufe comiluct shall hag gell them to rmbark at th port whith they diall themselves nelert. Sll those who nre antulished in the rempective dominions and terrifucies of the two contranting parties, lin the exacine of any trale ur apecial Pliployment, whall tave the privilege of remmining anl eominuing such truid and cmployment theredin, withont any manuer of interruption, in full engoyment of their liburly and property, an long as they lechave proceally, and commit now oflenes nurninat the laws: aid thoir gools and efliects, of whatever direciption they may be, whall not be linble to seizure or sequest rution, or to nuy other charges of deminds than those which may be made upon the like effiets or property belonging to tho native silgects or citi\%ens of the respective duminions of territories in which sheh subjects of :' 'eus may reside. In the same rine, delots between individuals, publie: funds, sud the shares of compuies, shall nover be conilsented, sequestrated, or detnined.
13. The subjects of his Ifritamic Majesty regiding in the Mexienn teritories shall enjog, in their houses, persons, and propertics, the protection of the fovernment; and continuing in posession of what they now eljoy, they shall not bedisturbed, molented, or annoyed, in any mandef, on acconnt of their religion, provided they respect that of the nation in thich they reside, ats well as the constitution, laws, and customer of the cuuntry. 'J'hey shall continue to enjoy', to the foll, the privilege alroaly granted 10 them of burving, in the places alreaily assigneil for that purpuse, such nubjects of his Ifritaunie Mnjesty as mas die within the Mexiean territories; nor whall the funerals and sepulehres of the dead be distuded in may way, or mon any acconnt. The citizats of Siexico shall enjoy, in nll the doninions of his llritamic Mnjesty, the samo protection, nud shatl be allowed the free excreise of their relighion, in public or private, either within their own houses, or the the chapels and places of woship set apart for that purpose.
14. The suljects of his Britannic Majesty shall on no account or pretext whatsoever be dinturbed of molested in the pencenble possession and exerdise of whatever rights, privileges, and immomithe they have nt nuy time enjoyed within the limits described mud had down in a comsention gigned between his snid Majesty nnd the Kinsra Sain, on the 14th of Jnly, 1 한; ; whether such rights, privileges, and immunitios shatl be derived from the stipulations of the said converstivn, of from any other concession which may at ay time have been made by the King of spain, or his predecessors, to british subjeets and setilers reviding and following their lawfinl ocengmions nithin the limits nforesnid: the two contracting paries reserving, however, for some more titting epportunity, the firther arrangements ont this aride.
15. The Govermment of Mexico engages to cooperate with his Britamuic Mi!jesty for the total abolition of the slave trade, and to prohibit
nll prepmas inluthithas within the lurrituries of Moxteo, in tha moat rthetwal maner, from taking uny hature in sulit tate.

10, 'The : contrenting purtios reserve to them-
 from time to tima, unall math ot her artiches an may
 improsement of their mutuat hateremorse, ant the

 miny be so agreed upon, whall, whern duly paitiod, les regaridel as lorming apart of tho presint traty, mid shall lave the mane lorse as those now montalued in Ht .
17. The prosent treaty whall ber rathed, and the ratitientions shall be exchunged at landon within the npace of 6 monthes or sooner if powsible.

In witness whereof, the resucetive phoniphtentiaries lase migued the same, and have allised thereto their respertive meals.

Dene at Landon, the Elill day of Decermber, in the year of war lord 18:26.

Sighantan Cimagito.
Whatish Ildskingon.
. lambes.l. Montbit.

## Arlifiomal Artirles.

1. Whereas, in the presemt ntate of Mexican ahipping, it wombl not be possibios for Mexien (o) recesve the full alvantare of the reciprosity esm tablished by the Articles $5,6,7$ of the fruty signed this day, if that part of the $\overline{\text { oth A A Acle which }}$ atipulates that, in oriler to be comsidered as a Moxican ship, a mhjp shall netwally huve been hait in Mexico, mhouth he striolly and literally observed, and immedisuly bonglit intooperation: it is agreed that, for the spmed of lil years, to be reckened from the date of the exchange of the ratitientions of this treaty, any shijes, wheresorver imilt, being bona tide the property of and wholly owned by whe or more eitizens of Mexico, mad whereof the master and if of tho marineres, at least, are also natural-born eitizens of Mexicu, or persons doniciliated in Mexico, by aet of the (iovernment, as lavfinl subjects of Nexico, to bo certified aceorimig to tho laws of that comitry, shall be considered as Mexican shijs; his Majesty the King of the United Kiugdom of Grent Brituin and Ireland resersing to himself the right, at the end of the said term of 10 yenrs, to clam the principle of reciprocal restriction stipmated for in the Arpicle 7 above referred to, il the interests of Ilritish navigration shall be found to be prejudiced by the present exreplion to that reciprocity ha favour of Mexican shipping.
2. It is further afreed that, for the like term of 10 venrs, the stipulations contained in Artieles 5 and 6 of the present treaty whall be suspended; nul in lien thereof, it is hereby agreed rhat, until the expiration of the sinid term of 10 years, Rritish ships entering into the ports of Mexico from the United Kingdum of Grent llitain and Irehund, or any other of his Britannic Majesty's dominions, nad nll articles the growth, prodnee, or manatineture of the United Kinglom, or of any of the sad dominions, imported in such ships, whall pay no other or higher duties than are or may hereafter be payable, in the said ports, by the ships, and the like groods, the growth, produce, or mmufneture of the most favoured nation ; nul reciproenlly, it is agreed, that Mexican ships entering into the ports of the United Kingrloms of (ireat Britain and Ireland, or any other of his lbritannic Majesty's clominions, from any port of the States of Mexico, nnd nll articles the growth, produce, or mamutacture of the said States, imported in such ships, shall jay no other or higher duties than are
or may hereafter he paynble in the said ports, by the ships, and the like goods, the growth, produce, or manuficture of the most favoured nntion ; and that no higher cluties shall be paid, or bomenties or drawbacks nllewed, on the exportation of any article, tho growth, produce, or manufacture of the dominions of either country, in the shlps of the other, than upon the exportation of the like artieles in the ships of any other foreign country.

It being understood that, at the end of the said term of 10 years, the stipulations of the said 5 th and 6th Aricles shall, from thenceforward, be in full force between tho two countries.

The present adilitlonal articles shall hnve the same force and validity as if they were inserted, word for word, in the treaty signed this dny. They shall he ratilled, and the ratifications shall be exchunged at the same time.

In witness wi......, the respective plenlpotentiaries have signed the same, and have affixed thereto their respective seals.

Done at Lorlon, the 26th day of December, in the year of our Lord 1826.

Sbbastian Camacho.
William Iutskisson. James J. Morier.

An order in council, dated September 3, 1827, orders that vessels of the United States of Mexico, entering the ports of the United Kingdom of Great Britain nad Ireland in ballast, or laden direet from any of the ports of Mexico, or departing from the ports of the sald United Kingdom, together with the cargoes on board the same, such cargoes consisting of articles which may be legally imported or exported, shall not be subject to any other or higher duties or charges whatever than are or shall be levied on British vessels entering or departing from such ports, or on similar articles when imported into or exported from such ports in British vessels; and also such articles, when exported from the said ports in vessels of the United States of Mexice respectively, shall be entitled to the same bounties, drawbacks, and allowances that are granted on similar articles when exported in British vessels.
N. 3 -Treatises similar to the above have been negotinted with Columbia, Buenos Ayres \&c.

## Morocco.

Convention of Commerce and Navigation between her Britannic Majesty and the Sultan of Morocco.
Article 1. There shall be reciprocal frecdom of commerce between the British dominions and the dominions of the Sultan of Morocco. The subjects of her Britannic $M$ djesty may reside in and trade to any port of ine territories of the Sultan of Moroceo to which any other foreigners are or shall be admitted.
They shall be permitted to hire houses, and to build houses, stores, or warehouses, as stipulated in Article 4 of the general trenty of this date.

They shall enjoy full protection for their persons nind propertics, as apecified in Article 4 of the general treaty; they shall be allowed to buy from, and to sell to, whom they like, all articles not prohibited in Article 2 of this convention, either by wholesale or retail, at all places in the Moorish dominions, without being restrained or prejudiced by any monopoly, contract, or exelusive privilege of purchase or sale whatever, except the articles of export and those of import enumerated in Article 2; and they shall, moreover, enjoy all other rights and privileges which
hereafter mny be granted to any other foreigne subjects, or citizens of the most favoured nation

The subjects of the Sultan of Moroceo shall, return, enjoy in the dominions of her 13ritann Majesty tho same protection and privileges whi are or may be enjoyed by the subjects or citize of the most favoured nation.
2. Thi Sultan of Moroceo enguges to abolis all monopolies or prohblitions on imported good except tobneco, pijea of all kinds used for sojoh ing, opium, sulphur, powder, saltpetre, lead, arm of all kinds, and ammunltion of war; and furthe to abolish nll monopolies of agricultural produce or of any other article whatsoever in the domi nions of the Sultan, except leeches, bark, tobacce and other herbs used for smoking in pipes.
3. No tax, toll, duiy, or cliarge whatsoeve beside the export duty hereinafter mentionel shall, under any pretext or on any account, bo imposed by any person whatsocver, in any par of the dominions of Moroceo, upon or in respec of any goods or produce whatsoever which may hnve been purchased for exportation by or on behalf of any British subject ; but the said goods or produce, when so purchased, shall be conveyed from any place in Morocco to, and embark from, any port therein, absolutely free and exempt from all other taxes, tolls, duties, or charges whatsoever. No permit, or any similar document, shall be requisite to enable them to be 80 comyeyed or embarked, nor shall any officer or subject of the Sultan offer any impediment to, or lay any restriction on, the conveyance or embarkation of such goods (except those goods or produce which the Sultan of Morocco shall prohibit from being exportcd, as arranged in Article 5), or on any pretext demand or receive any money in respect or on account of such goods; and should any such officer or subject act contrary to this atipulation, the Sultan shall immeliately punish with severity the governor, officer, or other subject who shall have been guilty of such miscondnct, and render full justice to British subjects for all injuries or losses which they may duly prove themselves to have suffered thereby.
4. The subjects of her Britannic Majesty, within the dominions of his Majesty the Sultan, shall be free to manage their own affairs themselves, or to commit those affairs to the management of any persons whom they may appoint as their broker, factor, or agent ; nor shall such British subjects be restrained in their ehoice of persons to act in such capacities; nor shall they be called upon to pay any salary or remuneration to any person whom they shall not choose to employ; but those persozes who shall be thus employed, and who are subjects of the Sultan of Morocco, shall be trented and regarded as other subjects of the Moorish dominions. Absolute freedom sball be given in all cases to the buyer and seller to bargain together, and no interferenco on the part of the Sultan's officers shall be permitted. Should any governor or other officer interfere in the bargains between British and Moorish subjects, or place any impediments in the lawful purchase or sale of goods or merchandise imported into, or to be exported from the Sultan's dominions, his Gherifian Majesty shall severely punish the said officer for such misconduet.
5. Should the Sultan of Moroceo at any time think proper to exhibit the exportation of any kind of grain or other article of commerce froll his dominions, British subjects shall in 110 manner be prevented from embarking all the grain of other articles which they may have in theit magazinev, or which may have been bought previously to the said prohibition; but they shall be
to any other foreignera, the most favoured nation. Sultan of Morocco shall, in lominions of her Britannic ection and privileges which by the subjects or cltizens aation. aloroce engiges to abolish dbitions on imported goods, of all kinds used for smokoowder, saltpetre, lead, srms powier, salpere, and further
aunition of war aunition of war, le whatsoever in the domiexcept leeches, bark, tobacco. for smoking in pipes. duiy, or charge whatsoever, duty hercinafter mentioned, etext or on any account, be rson whatsocver, in any part Morocco, upon or in respect oduce whatsoever which msy ed for exportation by or on sh subject; but the said goods , purchascd, shall be conveyed Moroceo to, and embark from, absolutely free and exempt xes, tolls, duties, or charges ermit, or any similar document, to enable them to be so cond, nor shall any officer or suboffer any impediment to, or lay the conveyance or embarkstion the cept those goods or produce of Moroceo shall prohibit from as arranged in Article 5), or on land or receive any money in tunt of such goods; and should or subject act contrary to this jultan shall immediately punish e governor, officer, or other subave been guilty of such misconfull justice to British subjects for
wses which they may duly prove ve suffered thereby. s of her Britannic Majesty, withof his Majesty the Sultan, shall e their own affairs themselves, or affairs to the mansgement of om they may appoint as their or agent; nor shall such British ained in their choice of persons to
acities; nor shall they be cslled y salary or remuncration to any ey shall not choose to employ; but ho shall be thus employed, snd of the Sultan of Morocco, shsil regarded as other subjects of the ons. Absolute freedom shall be nd no interference on the part of nd no interference on the phould other officer interfere in the barBritish and Moorish subjects, or ments in the lawful purchase or merchandise imported into, of to om the Sultan's dominions, his misconduct
misconduet. Morocco at any time $b$ exhibit the exportation of any $r$ other article of eommerce frous British subjeets shall in no mamacr from embarking all the groia of which they may have in their Hhich may have been bought prefide prohibition; but they shall be
allowed to continue to export all they may hare in their possession, during the term of timonths from the time tho prohibition was publicly made known; but on tho day when the order of the Sultan of Moroceo regarding the prohibition shall arrive, and shall be published to the merchants, Jritish subjects shall, within the term of 2 days, declare and givo proofs of the amount of prodnce they shall possess in their stores, "'l which the prohibition is imposed, and they shat also present legal certificates regarding the amount of the said produce which they shall have bought in the interior or elsewhere, previously to the promulgation of the order for the probilition. No prohibition, either as to the exportation, or impurtation of any article, shall apply to British subjecte, unless such prohibition shinll apply to subjects of every other nation.
f. Derchandise or goods, except the articles enumerated in Article 2, imported by British subjects in any vessel, or fiom any country; shall not he prohibited in the territories of the Sultan of Moroceo, nor be subject to higher duties than are levied on the same kind of merchandise or goods imported by the subjects of any other foreign power, or by native subjects, after the date of this convention.
All articles, except those enumerated in Article 2, the produce of Moroceo, may be exported therefrom by British subjects ia any vessels, on as favourablo terms as by the subjects of any other foreign country, or by native subjects.
7. In consideration of the favourable terms upon which the produce of Moroeco is admitted into the territorics of her Britannic Majesty, and with a view to the extension of commercial intercourse between Great Britain and Morocco, for their mutual advantage, his Majesty the Sultan of Moroceo hereby agrees that the duties to be levied on all articles imported into the territories of his Majesty by British subjects, shall not exceed 10 per eent. in cash on their value, at the port of their disembarkation; and that the cluties to be levied on all articles exported from the territories of his Majesty by British suhjeets, shall not exceed in amount the duties marked in the followiug tariff:-


The Sultan of Moroceo has the right of prolibiting any article of exportation ; but when a prohilition on any artiele shall be imposed, it shall be in conformity with what is arranged in Article 5: but upon the exportation of articles the prohibition of which shall be taken off, the duties noted in the tariff shall alone be paid. With regard to wheat and barley, should the Sultan think proper to prohibit the exportation of these artieles, but shonk desire to sell to merchunts the grain which belongs to Government, it shall be sold at the priee the Sultan thinks proper to impose. Should the Sultan augment or timinish the price of the grain, there shall be granted to the purchaser for exporting that which he shall have bought, the term stated in Article 5 ; but should the grain he free for exportation, the duties imposed thereon shall be in conformity with what is stated in the tarilf.

Should the Sultan of Morocco think proper to reduce the duties on artieles of exportution, his Mujesty shall have the right of doing so, on condition that British suljects shall pay the lowest duty that shall be paid by any other foreign or native subjects.
8. Should a British subject, or his agent, desire to convey by sea, from one port to aaother in the dominions of the Sultan of Moroceo, goods upon which the 10 per cent. duty has been paid, such goods shall be subject to no further duty, either on their embarkation, or disembarkation, provided they be accompanied by a certificate from a Moorish administrator of customs.
9. If any article of Moroquine produce, growth, or manufacture, except the articles enumerated in Article 2, be purchased for exportation, the same shall be conveyed by the IBritish merehant, or by his agent, free of any kind of charge or duty whatsoever, to a convenient place of shipment. Subsequently, on exportation, the export duty according to the tariff in Article 7 shall alone be paid on it.
10. No ituchorage, tounage, import, or other duty or charge. shull be levied in the dominions of the Sultan of Morocco on British vessels, or on goods imported or exported in British vessels, beyond what is, or may be, levied on national vessels, or on the like goods imported or exported in national vessels; they shall not, however, exceed in amome the rates of the following scale, viz.:-

Six moozoonats per ton shall be levied upon every British vessel (except steam-vessels) that does not exceed 200 tons in measurement. Upon every vessel (not a steam-vessel) measuring more than 200 tons, the following charge shall be made, viz. 6 moozoonats per ton shall be paid for 200 of her tons, and 2 nioozoonats per ton for the remainder. Should the administrator of customs have any doubt regarding the tonnage of a British vessel, as declared by the master, the British consul or vice-consul shall, on appeal being made to him, cause the ship's papers, whercon the tonnage is formally stated, to be exhibited. The same charges shall be made in all the ports of Morocco except Rubat and Laraiche, at which ports 4 moozoonats per ton slall be paid for pilotago into the river, shonld the vessel enter the river, and 4 moozoonats per ton for pilotage out of the river; 3 moozoonats per ton shall also be levied upon each vessel entering the river, on accomt of anchorage. Should a vessel, however, not enter the river, the same charges shall be levied umon her as those which ure paid at the other ports. At Moradore, 4 moozoonats per ton shitll be paid on lbritish vessels for pilotage on their entering the port only, and 6 moozoonats per ton for anchorage.

## TREATIES

Should the master of a British vessel require, at ans other port, a pilot, he shall pay for him at the rate of 2 moozoonats per ton ; but this charge shall not be exacted except when the inaster of a vessel refuires a pilot.

The sum of 16 dollars shall be levied, on account of anchorage, on a steam-vessel entering a port in the Moorish dominions for the purpose of disclanging or embarking cargo. If, afterwards, the snid stcam-vessel proceed from that port to any other port or ports in the Moorish dominions, and on her arrival at the latter embark or discharge cargo, the aforesaid charge of 16 dollars for anchorage shall agnin be levied; bit if the said steam-vessel, on her return voyage, should enter a Moorish port at which the said anchorage dues shall liave already been paid, no further charge on account of anchorage shall be levied upon her unless the said stenm-vessel depart on a second voynge to a Moorish port, or unless during her return vovage she shall have touched at any port other than a port of the Moorish dominions, in which case the aforesald charge of 16 dollars shall again be levied. The charge, however, for anchorage on a steamer of 150 tons burden, or less shall not exceed what is due from a sailing-vessel of the same size.
The masters of all vessels sliall pay, in addition to the nforesaid chnrges, the following sums to officers of the ports, but no other payments sluall be demnnded of them; viz.:-

A ressel mensuring 25 tons or less, 20 ounces; a vessel exceeding 25 and not over 50 tons, 40 ounces; a vessel excceding 50 and not over 100 tons, 60 ounces; a vessel excceding 100 and not over 200 tons, 80 ounces; a vessel excceding 200 tons, 100 ounces.

In addition to these charges, the master of every British vessel visiting the port of Tetuan shall pay 10 ounces for the messenger who shall convey the ship's papers from the port of Marteen to Tetuan; 5 ounces to the trumpeter who shall announce the arrival of the vessel; and 3 ounces to the public crier; but no other payments shall be demanded at the port of Tetuan. No charge for anehorage shall be levied on account of Mritish vessels which may enter the ports of Morocco for the purpose of seeking slelter from the wenther, and which (lo not embark or discharge eargo, nor shall any charge for anchorage be levied upon fishing-vessels.

And, in like manner, no anchorage, tonnage, import, or other duty or charge, shall be levied in the British dominions on Moorish vessels, or on goods imported or exported in Moorish vessels, beyond what is or may be levied on national vessels, or on the like goods imported or exported in national vessels.
11. Should British subjects desire to embark in or discharge groods from veseels arriving in the ports of Morocco, they slaall employ the Moorish Government bonts for that purpose; but if within two days after the arrival of a vessel the Moorish Government boats ure not, placed at their tisposal for the aforesaid purpose, the 13ritish subjects shall have the right of employing private boats, and shall not pay, in such case, to the port authorities more than one half of what would have been pail, had they employed the Government boats. This regulation shall not be applicnble to the ports of Tangier and Tetuan, inasmuch as there is a sufficient number of Govermment lighters at those two ports.
The charges now paid for lighterage at the ditlerent ports of Morocco shall not be nugmented, and the administrator of customs at each port of Moroceo shall deliver to the British vice-consul

COMMERCIAL)
n taritl of the clarges now demanded for light age.
12. The artieles of this convention shall applicable to all the ports in the empire of Moroce nind should his Majesty the Sultun of Moroe open the ports of Meheden, Agadeer, or Whinoo or any other ports within the limits of 1 Majesty's dominions, no dillerenco shall be ma in the levying of daties, or anchorage, betwe the said ports and other ports in the Sultan Iominions.
13. If n Ilritish subject be detected in smugglin into the Moroquine territories goods of any d scription, the goods shall be contiscated to th Sultan; nud such Jritish subject shall, on con viction before the British consul-general, consul vice-consul, or consular agent, be liable to be tine in an amount not excecding treble the amount of duties leviable on suel goods, or in case of good. not admitted to importation, treble the value o the goods at the current price of the day; and failing payment of such tines, such British subject shall, on conviction before the British consulgeneral, consul, vice-consul, or consular agent, be liable to be imprisoned; or, without being fined, any British subject on convietion as aforesaid may be imprisoned, but in either case for a time not exceeding one year, in such place as the consul-general, consul, vice-consul, or consular agent inay determine.
14. In order that the two high contracting parties may have the opportunity of hereafter treating and agrecing upon such other arrangements as may tevd still further to the improvement of their mutual intercourse, and to the advancement of the interests of their respective subjects, it is agreed that at any time after the expiration of five years from the date of the exchange of the ratitications of the present convention of commerce and navigation, either of the high contracting parties shall liave the right to call upon the other to enter upon a revision of the same; but until such revision shall have been accomplished by common consent, and a new convention shall have been concluded and ratified, the present convention shall continue and remain in full foree and effect.

Done at Tangier, the 9th of December, in the year 1856, corresponcling to the Moorish date of the 10th of Rablea the secont, in the year 1273.
J. 11. Dirummonis Hay.
(Arabic signature of)
Seed Moilamed Kifiteeb.

## Netherlands.

Treaty betaveen his Britannic Majesty and the King of the Netherlands, respecting Territories and Commerce in the East Indies. Signed at London, March 17, 1824.
Article 1. The high contracting parties engageto admit the subjects of each other to trade with their respective possessions in the Eastern Archipelago, and on the continent of India and in Ceylon, upon the footing of the most favoured nation; their respective subjects conforming themselves to tho local regulations of each settlement.
2. The subjects and vessels of one nation shall not pay upon importation or exportation, at the ports of the other in the Eastern seas, any duty at a rate beyond the doubse of that at which the subjects and vessels of the mation to which the port belongs are charged.

The duties paid on exports or imports at British port, on the continent of India, or in Cerlon. on Dutch bottoms, shall be arranged so is if no case to be charged at more than double thy
now demanded for lighterthis convention shall be ts in the empire of Moroceo: ty the Sultan of Morocen :den, Agadeer, or Walloon, within the limits of his $n 0$ dilference shall be mate ties, or anchorage, betwecn ther ports in the Sultan's
jeet be detected in smuggling territorics goods of any theshall be contiscated to the ritish subject shall, on conritish consul-general, consul, lar agent, be liable to be tined ceeding treble the amount of ceed goods, or in case of goods ortation, treble the value of urrent price of the day; and uch tines, such Britislh subject l before the British consul-e-consul, or consular agent, be ned; or, without being fined, on conviction as aforesaid but in cither case for a time year, in such pince as the asul, vice-consul, or consular ne.
at the two high contracting the opporturity of hereafter the opportang other arrangestill further to the improvement ercourse, and to the advancement their respeetive subjects, it is ny time after the expiration of ic date of the exchange of the present convention of commerce either of the high contracting the right to call upon the other evision of the same; but until hll have been accomplished by and a new convention shall have and ratified, the present conntinue and remain in full force
er, the 9 th of December, in the ponding to the Moorish date of ca the second, in the year 1273. J. II. Drummond Hay.
(Arabic signature of)

## Seed Mohamed Kifateeb.

## Netherlands.

his Britannic Majesty and the etherlands, respecting Territories in the East Indies. Signed at h 17, 182.4.
high contracting parties engageto ts of each other to trade with their sions in the Eastern Archipelato, nent of India and in Ceylon, uphis the most favoured nation; thet cts conforming themselves to the of ench settlement.
its and ressels of one nation shall nportution or exportation, at the or in the Eastern seas, any duty id the doubie of that at which d vessels of the nation to which are charged.
oaid on exports or imports at a the continent of India, or in Cerlon. pms, shall be arrniged so is in charged at more than double the
nmonn' of the duties paid by British suljects, and on British liottoms.

In regard to any article mon which no duty is imposed when imported or exported hy the subjects or on the vesmels of the nation to which the port belongs, the duty charged npon the subjects or vessels of the other shall in yo caso exceed $f$ jut eent.
3. The high contracting parties engage that no treaty hereatiter male by either, with any mative power in the Eastern seas, shall contain any article tending, either expressly; or hy the imposition of unequal duties, to exclude the trade of the other purty from the ports of such native power; and that it, it any trenty now existing on either part, any article to that effect has been admitted, such article shall be abrogated upon the conclusion of the present treaty.

It is mulerstood that, before the conclusion of the present treaty, commmication has been made by ench of the contracting parties to the other, of all treaties or engrgements subsisting between ench of them, respectively, and any nativo powers in the Eastern seas; and that the like commmication shall be made of all such treaties concluded br them, respectively, hereafter.
4. Their Mritannic and Netherland Majesties engage to rive strict orders, as well to their civil and militnry authorities, as to their ships of war, to respect the freedom of trade, established hy Articles 1,2, and 3; and in no case to impede a free conmunication of the natives in the Gastern Archipelarg, with the ports of the two Goveruments, respectively, or of the snbjects of the two Governments with the ports belonging to mative powers.
${ }_{50}$. Their Britunnic and Netherland Majesties, in like manner, engage to concur effectually in repressing piracy in those seas: they will not grant either asylum or protection to vessels enraged in piracy, and they will in no case permit the ships or merehandise captured by such vessels to be introluced, deposited, or sold in any of their pusessions.
6. It is agreed that orders shall be given by the two Governments, to their officers and agents in the East, not to form any new settlement on any of the islands in the Eastern seas, without previons authority from their respective Governments in Europe.

- The Molucea Islands, and especially Amboyna, Banda, Termate, and their immediate dependencies, are exeepted from the operation of the $1 \mathrm{st}, 2 \mathrm{nd}, 3 \mathrm{rd}$, and th Artieles, until the Netherland Government sball think lit to abandon the monopoly of spices; but if the said Government shall, at any time previous to such abandonment of the monopoly, allow the subjects of any power, other than the Asiatic native power, to carry on any commercial intereourse with the said islands, the subjects of his Britannic Majesty shall be admitted to such interecurse upon a footing precisely similar.

8. llis Netherland Mnjesty cedes to his Britannie Jajesty all his establishment on the continent of India; and renounces all privileges and exemptions enjoved or elnimed in virtue of those establishmeits.
9. The factory of Fort Marlborough, and all the Fuglish possessions on the island of Sumatra, are hereby ceded to his Netherland Majesty: und his Britannic Majesty further engages that no British cettement shall be formed on that island, nor any treaty concluded, by British authority, with any wative prince, chict, or state therein.
10. The town and fort of Nalacea, and its dependencies, are hereby cedel to his Britannic Slajesty; and his Netherlnad Majesty ongages, for himself and his subjects, never to form any
establishment on any part of the peninsula of Malaesa, or to conchude any treaty with any hative prince, elidef. or atate thicran.
11. All the eolonies, possessions, and establishments which are reeled by the preceding articles, shall be delivered up to the otlicers of the respective sovereigns on the 1st of March, 1825. The fortitientions shall remain in the state in which they slall be at the period of the notitieation of this treaty in India; but no clnim shatl be made, on either side, for ordnance, or stores of any deseription, rither left or removed by the celing power, nor for any arrears of reveme, or any charge of alminist ration whintever.
12. It is agreed that all aceounts and reelamations, arising out of the restorntion of Java, and other possessions, to the officers of his Netherland Majesty in the Fiast Indies-as well as those which were the subject of a convention made at Java on the 21 th of June, 1817, between the commissioners of the two nations, as all othersshall be tinally and completely elosed nud satisfied, on the payment of the sum of 100,0001 ., sterling money, to be male in London on the part of the Netherlands, before the expiration of the year $182 \overline{5}$.
13. The present treaty shall be ratified and the ratitientions exchanged at London, within 3 months from the date hereof, or sooner if possible.

In wituess whereof, the respective plenipotentiaries have signed the same, and affixed thereunto the seals of their arms.

Done at London, the 17th day of Mareh, in the year of our lord 1824.

Georgle Canning.
Cinarles Watking Wifhians Wynn.
II. Figer.
A. R. Falek,

Treaty of Commerce and Navigation between her Majesty and the King of the Netherlands. Signed at the Mague, October ${ }^{2} 7$, I837.
Article 1. There shall be reciprocal liberty of commerce and navigation between and amongst the subjects of the two high contracting parties; and the sabjects of the two sovereigns respectively shall not pay in the ports, harbours, roads, cities, towus, or places whatsoever in either kingdom, any other or higher duties, taxes, or imposts, under whatsoever names designated or included, than those which are there paid by the subjects of the most favoured nation : and the subjects of each of the high contracting parties shall enjoy the same rights, privileges, liberties, favours, im munities, and exemptions, in matters of commerce and navigation, that are granted, or may hereafter be granted, in either kingdom, to the subjeets of the most favoured nation. No duty of customs or other impost shall be charged upon any goods the produce of one comintry, ipon importation, by sea or by land, from such comntry into the other, ligher than the duty or impost chnrged upon goods of the same kind, the produce of or imported from any other country; and her Majesty the Queell of the United Kingdom of Great Britain and Ireland, and his Majesty the King of the Netherlands, do hereby bind and engage themselves not to grant any favour, privilege, or immonity, in matters of commerce and naviration, to the subjects of any other state, which shall not be also, aind at the same time, extended to the subjects of the other high contracting party, gratuitously, if the concession in favour of that other state slall have been gratuitons; and on giving as nearly as possible the same compensation or equivalent, in case the concession shall have been conditional.
2. No duties of tonnage, harlour, lighthouses, pilotnge, quarantine, or other similar or corresponding dutics, of whatever nnture or umder whatever denomination, shall be imposed in either country upon the vessels of the other, in respect of voyages between the two countries, if laden, or in respect of nny voyage if in ballast, which shall not be equally imposed, in the like cases, on national vessels; and in neither country shall any duty, charge, restriction, or prohibition be imposed upon, nor any drawback, bounty, or allowance be withheld from, any goods imported from or exported to the other country, in the vessel of that other country, which shall not be equally imposed upon or withheld from such goods when so imported or exported in national vessels.
3. In urder to ayoid any misumberstanding with regard to the regulations that deteruine the conditions which constitute a British or a Dutch yessel, it is hereby ngreed that all vessels built in the dominions of her Britannic Majesty, and all vessels which, having been enptured from an enemy by her Majesty's ships of war, or by the sulyjects of her said Majesty, furnished by the lords commissioners of the Admiralty with letters of marque, shall have been regularly condemned in one of lier said Majesty's prize courts ns a lawful prize; and all vessels which shall have been condemned in any competent court, for a brench of the laws made for the prevention of the slave trade; shall, provided they are owned, navigntel, and registered according to the laws of Great Britain, be considered as British vessels; and that all vessels built in the territories of the King of the Netherlands, or which, having been captured from an enemy by his Majesty's ships of wnr, or by the subjects of his sail Mujesty furnished with letters of marque, shall have been regularly condemned in one of the prize courts of the kingdom of the Netherlands as a lawful price; and all vessels which shall have been condemned in any competent court, for a breach of the laws mide for the prevention of the slave trade, shall, provided they are wholly owned by nny subject or suljects of the King of the Netherlnnds, and provided that the master and three-fourths of the crew are Netherlands subjects, be considered as Netherland vessels.
4. It is further agreed, that in all cases where, in either kingdom, the duty to be levied upon any goods imported, shall be, not a fixed rate, but a proportion of the value of the goods, such ad valorem duty shall be ascertained and secured in the following manner; that is to say, the importer slall, on making his eutry for the payment of duty at the custom-house of either country, sign a declaration, stating the value of the goods at such amount as he shall deem proper; and in case the officers of customs should be of opinion that such valuation is insufficient, he or they shall be at liberty to take the goods, on paying to the importer the value according to his declaration, together with the addition of 10 per cent., and on returning the duty paid.
The amount of these sums to be paid hy the officers on the delivery of the goods to them, which must be within 15 days from the first detention of the goods.
5. Forasmuch as all merchandise, of whatever origin, whether admissible for home consumption or not, may be received and warehoused in all the ports of the United Kingdom of Great Britain and Ircland, which are by law appointed to be warehousing ports for such articles, pending the entry of the same either for home consumption or for re-expurtation, as the case may be, under the reroulitions appointed for this purpose, and with-
out such articles being liable, in the meantime, to the pryment of any of the duties with which they woula be charged, if upon arrival they were antered for consmmption within the Cuited King. dom; in like manner, the King of the Nether. lauly consents mond agrees, that nil the ports of his Netherland Majesty's dominions, which are now or which shall hereatter become warehonsing ports by law, shall be free ports for the reception and warchousing of all merchandise imported in British ships, and of all articles whatever, the produce or mnnufacture of the British dominions, in whatever sinips importel, either for home consumption or for re-exportation, ns the case may be; and the articles thus reccivel and warehoused, subject to due regulations, shall net be liable, in the meantine, to any of the dhuties with which they would be charged, if they were entered for consumption on their arrival in the Netherlands.
6. If any ships of war or merchant vessels should be wreeked on the consts of either of the high contracting parties, such shij"s or vessels, or all parts thereof, and all furniture and appurtenances belonging theremato, noml all goods and merchandise which shall be saved therefrem, or the produce thereof, if sold, shall be faithtillly restored to the proprictors, upon being claimed by them or by their duly anthorised fortors; and if there are no such proprietors or factors on the spot, then the snid goods and merchandise, or the procecds thereof, as well as oll the pupers found on board such wrecked vessels, shall be delivered to the British or Netherland consul ill whose distriet the wreek may have taken plnce; and such consul, proprietors, or faceors shall pay ooly the expenses incurred in the preservntion of the property, together with the rate of salvage which would have been payable in the like case of a wreck of a national vessel; and the goods and merchandise saved from the wreck shall not be sulject to duties, unless cleared for home consumption.
7. The present treaty shall be in force for the terin of 10 years from the date hereof, and further, until the end of 12 months after either of the high contracting parties shall have given notice to the other of its intention to terminate the same : each of the high contracting parties reserving to itself the right of giving such notice to the other at the ead of the said term of 10 years.
And it is hereby agreed between them, that at the expiration of 12 months after such notice shall have bcen received by either party frum the other, this treaty, and all the provisions thereof, shall altogether cease and determine.
8. The present treaty shall be ratified, and the ratifications slall be exchanged at the Hague within 1 month from the date hereof, or sooner if possible.
In witness whereof, the respective plenipotentiaries have signed the same, and have sffixel thereto the scals of their arms.
Done at the Hague, this 27 th day of October, in the yenr of our Lord 1837.

## Verstolk be Soflen.

Edwamd Chomwelal Disbrowe.
Declaration made by the Plenipotentiary of her Britanuic Majesty, ou the exchange of the Ratification of the preceding Treaty.
In proceeding to the exclinge of the ratitications of the treaty of commerce and narigation between her Majesty the Queen of the United Kinglom of Great Britain and I relund and his Mnjesty the King of the Netherlands, concluded and signed at the Hagur on the 27 th of October,
liable, in the meantime, to the duties with which they pon arrival they were enn within the Luited King$r$, the King of the Nethergrees, that all the ports of grese, dominious, which are renter become warehousing free ports for the reception Ill merchandise imported in all articles whatever, the re of the 13ritish dominions, rortel, either tor home conxportution, as the case may o thus reccived and wareue regulations, shall mot be ue, to any of the duties with e chargel, if they were enon on their arrival in the of war or merchant vessels n the consts of either of the ties, such ships or vessels, or dall furniture and apparteieremnto, and all goods and hall be saved therefrom, or hat sold, shall be faithtilly orietors, upon being claimed duly autherised fontors; and proprietors or factors on the poods and merchandise, or the well as all the pappers found ked vessels, shall be delivered therland consul in whose dishave taken place; aud such or factors shall pay only the the preservation of the prothe preservat salvage which
$h$ the rate of ayable in the like case of a 1 vessel; and the goods and from the wreek shall not be anless cleared for home coa-
eaty shall be in force for the $m$ the date hereof, and further, m months after cither of the rrties shall have given notice $s$ intention to terminate the igh contracting partics reservight of giving such notice to of the eaid term of 10 years. agreed between them, that at agreed
months after such notice shall by either party trom the other, the provisious thereof, shall 1 determine
reaty shall be ratified, and the be exchumged at the Hanue on the date hercof, or sooner if
eof, the respective pleaipotenit the sauc, and have affixed their arms.
their arms.
gue, this 2 th day of October, Cord $183 \%$.
rolk me Soelen.
aid Cromwell Disbrowe.
by the Plenipotentiary of her $y$, on the exchange of the Raticeding Treuty.
the exchange of the ratilienof commerce and narigation of commerce and the United
sty the Queen of the t Britain and Ireland and his of the Nether!ands, conchtuled Iague on the 2 th of October,

1837, the undersigned, plenipotentiary of her Jritamic Majesty, is commanded by her Majesty to explain and dechare that her Mujesty has ratified the said treaty, notwithstanding that the preamble contains the words 'in lurone,' which her Majesty's Goverument had objected to as redmudant; but that her Majesty considers those words to be withont menning, so far as her Majesty's dominions are concerned; becnuse those worlls appear to establish a distinction between a kingdom in Europe and a kingdom out of burope, whereas, by the word 'kingrlom,' in the said treaty, her Majesty, as far as regards her own territories, means only the United Kingdom of Great Britain and Ireland, which is well known to be in liurope, and does not mean any of the possessions of her Majesty's crown beyond sea. ller Mlajesty's ratiflention of the said treaty is exchanged under the explicit declaration and understanding above mentioned.
Done at the Hague, the 22nd day of November, $183 \bar{\circ}$.

## Edward Chomiwela, Disirowe.

Counter-Declaration of the Plenipotentiary of his Mujesty the King of the Netherlands.
The plenipotentiary of her Britannic Majesty having, previously to the exchange of the ratitications : the treaty of commeree and navigation, concluded on the 27 th of Octoher, 1837, between his Dlajesty the King of the Netherlands and her Majesty the Queen of the United Kingdom of Great Britain and Ireland, delivered to the undersigned, plenipotentiary of his Majesty the King of the Netherlands, a declaration stating that her Britamic Majesty had not in view in the said treaty the possessions of her crown beyond sea; the undersigned is charged by his Majesty the King of the Netherlands to declare that his said Majesty uceepts the above-mentioned declaration, and that he likewise, on his part, has not meant to comprise in the said treaty the possessions of his crown beyond sea.
With regard to the observations made as to the use of the worls 'in Europe,' the Cabinet of the llague is of opinion, thant their interpretation is to befound in the cireumstance, that the phrase "in Earope' applies to the word 'ports,' and not to the word 'kingdom.'
The llague, the 22nd of November, 1837.
Vebstolk de Soklen.

## Persia.

Treaty of Commerce between her. Majesty and the Shah of Persiu. Signed at Tehron, Octoler 28, 1841.

Article 1. The merchants of the two mighty states are reciprocally permitted and allowed to carry into each other's territories their groods and manufactures of every deseription, and to sell or exchange them in any part of their respective conntries; and on the goods which they import or export, castom duties shall be levied; that is to say, on entering the conntry, the same amonnt of custom duties shall be levied, once for all, that is levied on merchandise imported by the merchants of the most favoured European uations : and ut the time of going out of the country, the same anount of custom duties which is levied on the merchandise of merehants of the most favoured European nations shall be levied from the merchants, subjects of the high contracting parties; add except this, no claim shall be made upon the merchants of the two states in each other'y dominions on any pretext or nuder any denomination; and the merchasts or persons eonnected with
or depundent upon the high contracting partles in ench other's dominions, mutually, shall receive the same aid and support, and the smme respect, which are received by the subjects of the most tavoured nations.
2. As it is necessary, for the purpose of attending to the athiars of the merchants of the two parties respectively, that from both tiovermments commercial agents should he appointed to reside in stated places; it is therefore propesed that two commercial agents on the part of the British Government shall reside, one in the capital, and one in Tabreez, and in those places ouly, nud on this condition, that he who shall reside at labreez, and he alone, slall be lionouted with the privileges of consul-general; and as for a series of years a resident of the British Government has resided at Bushire, the Persian Government grants permission that the said resident whall reside there as heretofore. And, in like manner, two commercial agents shall reside on the part of the lersian Government, one in the capital of London, and one in the pert of llombay, and shall enjoy tho same rank and privileges which the cominercial arents of the British Government shall enjoy in l'ersia.
3. This commercial treaty, we, the plenipotentiaries of the high contracting parties, have agreed to ; and in witness thereof, bave set therennto our hands nad scals, at the capital city of Tehran, this 28th day of October, in the year of our Lord 1811, corresponding to the 12th clay of the month Ramazan, in tho year of the I Iejjirin 1257.

John M'NEILL.
Mererza Abel Ihassan Kilan.

## Peru-Bolivian Confederbition.

Treaty of Amity, Commerce, and Navigation between Mis Majesty and the Peru-Bolivian Confederation, together with 2 adulitional Artieles thereunto annexed, of June 5, 183 $\overline{7}$.
Article 1. There shall be perpetual anity between the dominions and subjects of his Majesty the King of the United Kingolom of Great Bistain and lreland, his heirs and suecessors, and the Pern-Bolivian confederation and its citizens.
2. There shall be, between all the territories of his 13ritannic Majesty in Earope, and the territories of the Peru-Bolivian confeleration, a reciprocal freedom of commerce. The subjects and eitizens of the two conntries respectively shall have liberty freely and securely to come with their ships and cargoes to all jlaces, ports, and rivers in the territories aforesaid, to which other foreiguers are or may be permitted to come, to enter into the same, and to remain and reside in any part of the said territories respectively; also to hire and occupy houses and warchouses for the purpose of their commerce; and generally, the merchants and traders of each nation, respeetively, shall enjoy the most complete protection and security for their commerce; subject always to the laws and statutes of the two conntries respectively.
In like manner, the respective ships of war and post-otlice packets of the two countries shall have fiberty freely and securely to come to all harhours, rivers, and phaces to which other foreign ships of war and packets are or may be permitted to come, to enter into the same, to anchor, and to remain there and refit; subject always to the laws and statutes of the two countries respectively.
By the right of entering the places, ports, and rivers mentimed in this article, the privilege of carrying on the coasting trade is not understood,
in which national vessels only are permitted to engrge.
3. llis Majesty the King of the United Kincrdom of Great llitain and Ireland engriges further, that the inhabitants of the Pertu-Bolivinn confederation shall have the like liburty of commerce nud mavigntion stipulated for in the preceding artiele, in all his dominions situated out of Europe, to the full extent in which the same is permittod ut present, or may be permitted hereafter, to any other nation.
I. No higher or other duties shall be imposed on the importation into the dominions of his Britannic Majesty of any article of the growth, produce, or manufacture of the Peru-Bolivinu confederation, and no higher or other duties shall be imposed on the importation into the territories of the l'eru-Bolivian confederation of any nrticles of the growth, produce, or manufacture of his Britannic Majesty's dominiens, than are or shall be payable on the like articles, being the frowth, produce, or manufacture of any other toreign country; nor shall any other or higher duties or charges be imposed in the territories or dominions of either of the contracting parties, on the exportation of any articles to the territories or dominions of the other, than such as are or may be payable on the exportation of the like articles to any other foreign country; nor shall any prohibition be imposed upon the exportation or importation of any article the growth, produce, or manufacture of his Britannic Mnjesty's dominions, or of the said territories of the PeruBolivian confeleration, to or from the said dominions of his Britannic Majesty, or to or from the said territories of the Pern-Bolivinn confederation, which shall not equally extend to all other nations.
5. No higher or other cinties or charges on account of tonnage, light or harbour dues, pilotage, salvage in case of damage or slijpwreck, or any other local charges, shall be imposed in any of the ports of the Peru-Bolivian confederation, on British vessels, than those payable in the same ports, by Peru-Bolivian vessels; aor in the ports of his Britannic Majesty's territeries, on PeruBolivian vessels, than shall be payable in the same ports on British vessels.
6. The same duties shall be paid on the importation into the territories of the Paru-liolivian confederation of any article the growth, produce, or manufacture of his Britannic Majesty's dominions, whether such importation shall be in PeruBolivian or in British vessels; and the same duties shall be paid on the importation into the dominions of his lbritannic Majesty, of any articlo the growth, produce, or manufncture of the territories of the Peru-Bolivian confederation, whether such importation shall be in British or in PeruBolivian vessels. The same duties shall be paid, and the same bounties and drawbacks allowed, on tive exportution to the ports of the Peru-Bolivian confederation, of any articles of the growth, produce, or manufacture of his Britannic Majesty's domiuions, whether such exportation shall be in Peru-1 Bolivian or British vessels; and the same duties shall be paid, and the same bounties and drawbacks allowed, on the exportation of any articles the growth, produce, or manufacture of the l'eru-Bolivian confederation, to his IBritannic Majesty's dominions, whether such exportation shall be in British or in Peru-Bolivian vessels.
7. In order to avoid any misunderstanding with respect to the recrulations which may respectively constitute a British or Peru-1 Molivian vessel. it is hereby agreed that no ship shall be admitted to be a slip of cither country, unless she shall be
of the huilt of kush eomintry, or here heen madd prize of war to such country, and eondemned a such; or have been forfeited to such country unde uny law of the same made for the preventlon o the slave trade, and condemued in any competen court as forleiture for a breach of such law; wh unless she be navigated by a master who is a sub ject of such country, and by a crew, of whom at least are subjeets of sueh country ; nor muless she le wholly owned by subjects of such country, usually residing therein, or under the dominion thercof; excepting where the laws provide for any extreme cases. And it is further ugreed, that $100^{\circ}$ ship, ndmitted to be a ship of either countrr, shall be 'qualitied to trade as above described, under the provisions of this trenty, unless firnished with a register, passport, or sea-letter, under the signatire of the proper person austhorised to grant tho same, according to the laris of the respective comatries (the form of which shall be communicated), certifying the name, oceupation, and residence of the owner or owners, in the domiuions of his Britannic Majesty, or in the territories of the Peru-Bolivian confeleration, as the case may be, and that he or they is or are the sole owner or owners, in the proportion to be specilled; together with the name, burlen, and description of the vessel, as to build and measurement, and the several particulars constituting the national character of the vessel, as the case may be.
8. All merchants, commanders of ships, and others, the subjects of his Britannic Majesty, shall have full liberty, in all the territories of the PeruBolivian coufederation, to manage their own sffairy themselves, or to commit them to the msnagement of whomsoever ther please, as broker, factor, agent, or interpreter; bor shall they be obliged to employ any other persons for those purposes thari those eniployed by Peru-Bolivians, nor to pay them any other salary or remuneration than such as is paid, in like cases, by PeruBolivian citizens; and absolute freedom shall be allowed, in all cases, to tho buyer and seller to bargain and fix the price of any goods, wares, or merchnadise imported into or exported from the Peru-Bolivian confederation, as they shall see good, observing the laws and established customs of the country. The same privileges shall be enjoyed in the dominions of his .Tritannic Diajesty, by the citizens of the Peru-13olivian confederation, under the same conditions.

The citizens and subjects of the contracting parties, in the territories of each other, shall receive and enjoy fall and perfect protection for their persons and property, and shall have fres and open access to the courts of justice in the said countries respectively, for the prosecution and defence of their just rights; and they shall be at liberty to employ, in all causes, the adrocates, attorneys, or ayents, of whatever description, whom they may think proper; and they shall enjoy, in this respect, the same rights and privleges thercin as native citizens.
9. In whatever relates to the nolice of the ports, the lading and unlading of ships, the safety of merchandise, goods, and effects, the succession to personal estates by will or otherwise, and the disposal of personal property of every sort and denomination, by sule, donation, exchange, of testament, or in any other manner whatsoever, as also the administration of justice, the subjects and citizens of the two contracting parties shall enjoy, in their respective dominions and territories, the same privileges, liberties, and rights, as native subjects ; and shall not be charged, in any of these respects, with any higher imposts ot
ermutry, or his:e been made 1 eountry, and condemned as orfeited to sueli country under mado for the prevention of condemued in any competent or a brench of such law ; mor ted by a master who is a subr ry, and by a crew, of whom is of such country; nor unless I by subjects of such country, erein, or under the dominion where tho laws provide for And it is further agreed, that , be a ship of either country, to trade as above deseribed, ns of this trenty, unless furister, pasport, or sea-letter, re of the proper person allo same, according to the laws countries (tho form of which cated), certifying the name, dence of the owner or owners, his Britannic Mnjesty, or ill Peru-Bolivian confeleration, and that he or they is or are wners, in the proportion to be with the name, burden, and ressel, as to build and measureral particulars constituting the of the vessel, as the case may
ts, commanders of ships, and of his Britannic Majesty, shall all the territories of the Peruition, to manage their own afto commit them to the mansoever the please, as broker, interpreter; nor shall they be - any other persons for thuse so enployed by Peru-l3olivians, ny other salary or remuneration paid, in like cases, by Peruand absolute freedom shall be ses, to tho buyer and seller to e price of any goods, wsres, or ortell into or exported from the pfederation, as they shall see laws and established customs The same privileges shall be hinions of his .Jritannic Dajesty, the Peru-Bolivian confederation, nditions.
nd subjects of the contracting ritories of each other, shall refull and perfect protection for property, and shall have free to the courts of justice in the spectively, for the prosecution ieir just rights ; and they shall employ, in all causes, the adror agents, of whatever description, think proper; and they shall beet, the same rights and priviative citizens.
relates to the police of the ports, unlading of ships, the safety of ls, and effects, the succession to by will or otherwise, and the nal property of every sort and any ot donation, exchange, or any other manner whatsoever, as tration of justice, the subjeets he two contracting parties shall espective dominions and tertiprivileges, liberties, and nights, $s$; and shall not be eharged, ia ects, with any higher imposts et
duties than those which are pinid. or may he paid. shall not he liable to scimore or sequestration, or by the mitive subjects or eitizens of the power in to any obler chareres or demands, than thase which who dominions or territoriesthey may be resident, may be mole upon the like efleets or property subject of course to the loend laws mat regulations belinging to the mative subjects or citizens of tho of such dominims or territoriss. In the event of dominims or territuries in which sueh subjects or any subject or citizen of either of the two eom- eitizens may resite. In the same case, dibts betracting parties dying without will or testament, tween inulividuns, public funds, nud the shares of in the dominions or territories of the said con- compmies, shall never becontiscated, sequestrated, tractinn $i^{\text {burties, the consul-genernl or consul of }}$ the said nation, or, in lis absence, his representative, wall have the right to nominate curators, to take charge of the property of the deceased, so far us the laws of each contry will permit, for the benette of his lawtinl heirs nul creditors, withont interference, giving convenient notico thereof to the nuthorities of the country.
10. The subjects of his Britannic Majesty residiug in the lern-liolivian confederation, und the natives and citizens of the confederation residing in the diminions of hils Britannic Majesty, shall be exempted from all compulsory military scrvice whatsoever, whether by sen or land; and from all forced loans or military exnetions or requisitions ; neither shall they be compelled, under any pretext whatsoever, to pay any other ordinary charges, requisitions, or taxes, greater than those that are paid by native sibjects or citizens of the territories of the contraeting parties, respectively.
11. It shall be free for ench of the two contractitg parties to appoint consuls for the protection of trade, to reside in the dominions and territories of the other party; but before any consul shall aet as such, ho shull, in the usunl form, be approved and admitted by the Government to which he is sent : and either of the contractins parties may except from the residence of consuls such particular places as either of them may judge fit to be excepted. The diplomatic agents and consuls of the l'eru-Bolivian confederation shall enjoy, in the dominions of his Britannic Majesty, whatever privileges, exeeptions, and immunities are or shall be granted to agents of the same rank belonging to the most favoured nation; and in like manner, the diplomatic agents and consuls of his Britannic Majesty ia the territories of the l'eru-Bolivian confederation shall enjoy, accorling to the strietest reciprocity, whatever privileges, exceptions, and immuities are or may be granted to the diplomatic agents and consuls of the most favoured nation in the territories of the Peru-Bulivian confederation.
12. For the better security of commerce between the suljects of his Britannic Majesty and the citizens of the Peru-Bolivian confederation, it is agreed that if, nt any time, any interruption of friendly intercourse or any rupture should unfortunately take place between the two contrneting parties, the soljects or citizens of cither of the two contracting parties residing upon the consts shall be allowed six months, and those residling in the interior a whole yenr, to wind up their necouats and dispose of their property; and a safe conduct shall be given them to embark at the port which they shall themselves seleet. All such subjects or eitizens of either of the two contracti!g parties, who are established in the dominions or territories of the other in the exercise of any trade or special employment, shall have the privilege of remaining and continning such trade and employment therein wihout any manuer of interruption, in fill enjoyment of their liberty and property, as long as they belave paceably, nud commit no offence against the laws; and their goods and effects, of whatever deseription they may be, whether in their own castody; or intristed to individuals or to the State,
or detulued.
13. The subjeets of lis Mritamic Majesty, and the citizens of the lera--Ilolivian confiderntion, respectively, shall enjuy, in their houses, persons, and properties, the protection of the Gosermment; and continue in possession of the privileges which they now enjoy. Aud the subjects of his Mritannic Majesty residing in tha territories of the Perulholivian confederntion shall furthermore enjoy the most perfect and entire security of conscience, without being annoyed, provented, or disturbed on necount of their religious belief. Neither shall they be annoyed, molested, or disturbel in the proper exercise of their religion, provided that this take place in private honses, nad with the decorum due to divine worship, with due respect to the laws, usunges, and customs of the country. In the like manner the citizens of the PeruBolivian confederation shall enjoy, within all the dominions of his Britannic Majesty, a perfect and unrestrained liberty of conscience, and of exereising their religion publiely or privately, within their own dwelling-houses, or in the chapels nud places of worship appointed for that purpose, agrecsbly to the system of toleration established in the dominions of his said Majesty. Liberty shall also be granted to bury the subjects or eitizens of either of the two contraeting parties, who may die in the dominions or territories of the other, in burial-places of their own, which, in the same manner, they many freely establish and maintnin ; nor shall the funerals or sepulehres of the dend bo disturbed ill any way or upon any account.
14. The Goverament of the Peru-Bolivian confederntion engages to co-operate with his Britannic Majesty for the total abolition of the slave trade, and to prohibit all persons inhabiting within the territories of the Peru-Bulivian confederation, or subject to their jurisdiction, in the most eftectual manner, and by the most solemn laws, from taking any slare in such trade.
15. The two contrneting parties reservo to themselves the right of treating and of ngreeing hereafter, from time to time, upon such other articles ns may appear to them to contr: bute still further to the improvement of their mutual intercourse, and to the advancement of the general interests of their respective subjects and citizens; and such artieles as may be so agreed upon shall, when duly ratified, be regarded as forming a part of the present trenty, and shall liave the same force as those now contained in it.
16. The present treaty shall be ratified, and the ratitication shall le exchanged in London or at Lima, within the space of 20 months or sooner if possible.
In witness whereof, the respective plenipotentiaries have signed the same, nad have allixed thereto their respective sea!s.

Done at Lima this 5th dny of June, in the year of our Lord $183 \overline{7}$.

Beifond Minton Wilson. Losinzo Bazo.

## Additional Articles.

Article 1. Whereas, in the present state of Peru-lholivian shipping, it would not be possible for the said conlederation to receive the full
adsantage of the recprocity establinhed by the Articles 5,6, and 7 of the treaty signed thin day, if that part of the Fth Article which stipulates that, in oriler to be consdidered as a I'ern-bolivian ship, a ship shall aefually have been built in the I'ern-holivian confenderation, should be strictly and literalty obarryed, and immedlately brought into operation; it is upreed that, for the space of 15 years, to be reckoned from the date of the exchamse of the ratitications of this trenty, any ships, whoresoever built, heing bona the the property of and wholly owned by one or more citizens of the lerin-lolivian confederation, and whereof the masters and three-fourths of the mariners, at least, are calso natural-born citizens of the l'ernBolivian confederation, or persons domiclliated in the lern-Balivian confederation by act of the Government, as lawfil suljeets of 1'eru-13olivian confederation, to be certilled according to tho laws of that country, shall be considered as PeruBoliviau ships: his Najesty the King of the United Kingdom of Gireat Britaln and lveland reserving to himself the right, at the end of the said term of 15 vears, to claim the principle of reciproeal restriction stipulated for in the Article 7 nhove referred to, if the interests of British navigation shall be fumbl to be prejudiced by the present exception to that reciprocity in favour of Peru-Bolivian shipping.
2. It is further agreed that, for the like term of 15 years, the stipulations contained in the Articles 5 and 6 of the present treaty shall be suspended; and, in lien thereof, it is hereloy agreed that, until the expiration of the said ierm of 15 years, British ships entering into the ports of the PernBolivian confederation, from the United Kingdom of Great Britain and Ireland, or any other of his Britannic Majesty's dominions, and all articles, the growth, produce, or manufacture of the United Kinglom, or of any of the said dominlons, imported in such ships, shall pay no other or higher duties than are or may hereafter be payable, in the said ports, by the ships, and the like goods, the growth, produce, or manufacture of the most favoured nation: and reciprocally, it is agreed that l'ern-Bolivian ships eutering into the ports of the United Kingdotn of Great Britain and Ireland, or any other of his Britannic Majesty's dominions, from any port of the leru-Bolivian confederation, and all articles, the growth, produce, or manufacture of the said confederation, imported in such ships, shall pay no other or higher duties than are or may hereafter be payable, in the said ports, by the ships, and the like goods, the growth, produce, or mannfacture of the most favoured nation ; and that no higher duties shall be paid, or bountics or drawbacks allowed, on the exportation of any article, the growth, produce, or manufacture of the dominions of either conntry, in the ships of the other, than upon the exportation of the like articles in the ships of any other foreign country.

It beine understood that, at the end of the said term of 10 years, the stipulations of the said 5 th and 6th Articles shall from thenceforward be in full foree between the two countries.
The present additional articles shall have the same liorce and validity as if they were inserted, word for word, in the treaty signed this day. They shall be ratified, and the ratification shall be exchanged at the same time.
In witness whereof the respective plenipotentiaries have signed the same, and have atlixed thereto their resplective seals.

Done at Lima, 5th of June, $183 \overline{7}$.
Berfoitd Ilinton Wizson.
Loreszo Bazo.

Trraty of Friandship, Commerce, and Nawigation
betureen her. Mujesty and the Republic of P'ern
betureen her. Mujesty and the Republic of Pern
Signed ut Louilou, April 10. Isbo. Hutifica tions exchuuged at Ioudon, October 15, 185.5.

Article 1. There shall bo perpetanl friendehip between her Majesty the Queen of the Unite Kingiom of tireat líltaln and Ireland, her heir nud successors, and the lejpublic of I'ern, anc betwren their reupective subjects and citizens.
2. 'There shall be, between all the dominions o her Ibritaunic Majesty and the territories of the IRepublic of Peru, a reciprocal freedorn of commerce. The subjects and citizens of each of the two countries, respectlvely, shall have liberty freely and securely to come, with their ships and cargies, to all places, ports, and rivers in the territorics of the other, where trade with other nations is permittect, They may remnin and reside in any part of the said terrítories respectively ; and hire and occupy the houses and warehouses which they may require ; and may trale by wholesale or retail in all kinds of produce, manufactures, and merchaadise of lawful comrerce, enjoying the same exemptions and privileges as native subjects or citizens, and sulject always to the samo laws, lecrees, and estabillshed customs as native subjects or citizens.

In like manner, the ships of war and post-office packets of each conntry; respectively, shall have liberty to enter into all harbonrs, rivers, and places, within the territories of the other, to which tho ships of war and packets of other nations are or may be permitted to come, to anchor there, and to remain and refit; subject always to the laws and regulations of enel country respectively.

The stipulations of this article do not apply to the coasting trade, which each conntry reserres to itself respectively, and shall regulate according to its own laws.
3. The two high contracting parties hereby agree that any fivour, privilege, or imaunity whatever, in matters of commerce or navigation, which either contracting party has actually granted, or may hereufter grant, to the suljects or citizens of any other State, shall be exiended :u the subjects or citizens of the other centranting party, fratuitously, if the concession in fsvour of that other State shall have been gratuitous, or in return for an equivalent comprensation if the concession shall have been conditional.
4. No other or ligher duties shall be imposed on the importation into the dominions of her Britannic Majesty, of any article of the growth, produce, or manufacture of the Republic of Peru; nind no other or higher duties shall be imposed on the importation into the Republic of Peru, of any article of the growth, produce, or manufacture of her Britannic Majesty's dominions, thanare or shall be payable on the like article, being the growth, produce, or manufacture of any other foreign country; nor shall any other or higher duties or charges be imposed in the dominions or territories of eithet of the contracting partics, on the exportation of any article to the dominions or territorics of the other, than such as are or may be payable on the exportation of the like article to any other foreign country. No prohibition shall be imposed upon the importation of any article the growth, prodace, or manafacture of the territories of either of the tro contracting parties into the territorios of the other, which shall not equally extend to the imr ratiou of the like article, being the growth, promuce or manufacture of any other country. Nor shallany prohibition be imposed upon the exportation of any article from the territories of either of the two contracting parties to the territories of the other, which shall not equally extend to the exputation ty and the Repmblic of Peru. 1, April 10, 1850. Hatifica. London, October 15, 1852.
shall bo perpetual friesdulip ty the Quecn of the United fritain and Ircland, her lieirs 1 the Republic of leru, and tive subjects nad citizens. , between all the doninions of sty and the territories of the eciprocal freedom of commeree. tizens of each of the two cousshall have liberty freely and ith their ships and cargoes, to I rivers in the territories of the with other nations is permitted. and reside in any part of the ectively ; and hire and oceupy rehouses which they may redo by wholesale or retail in all nanufactures, nand merchandise , enjoying the same expmptions intive subjects or citizens, and the samo laws, clecrees, nind esas nativo subjects or cilizens. the ships of war and post-office untry, respectively, shall have untry, all harbours, rivers, nud territories of the other, to which nd packets of other nations are zl to come, to anchor there, and $t$; subject always to the laws enels country respectively. of this article do not apply to c, which each country reserves ly, and shall regulate aceording
Th contracting parties hereby avour, privilege, or immunity ters of commerce or navigation, antracting party has actually ereafter grant, to the sulyeets ot ther State, shall be exiended :u tizens of the other centracturg $y$, if the concession in fsvour of hall have been gratuitous, or in valent compensation if the conbeen conditional.
igher duties shall be imposed on into the dominions of her Brif any articlo of the growth, profure of the Kepublic of Peru; and duties shall be imposed on the the Republic of Peru, of any vth, produce, or manufacture of esty's dominions, than are or shall e like article, being the growth, acture of any other fureign counother or higher duties or charyes dominions or territories of either parties, on the exportation of any inions or territories of the other, $r$ may be payable on the exporta. icle to any other forcing countri. all be imposed upon the importae the growth, produce, or manuitories of either of the two conanto the territories of the other, gually extend to the imr ration , being the growth, prouce or by other country. Nur shallany housed upon the exportation of the territories of cither of the the s to the territories of the other, pually extend to the expurtation
of the like article to the territories of all other nations.
5. No other or ligher duties or charges on account of tonnage, light or harbonr dues, pilotage, salvage in case of damate or shipwreck, or any ther local eliargen, shall be imposed, in nuy of the ports of the Republle of l'ern, on liritish zegels of the burden of above 200 tons, than those payable in tho name ports by l'eruvian ressels of the same hurden ; not, in the portes of her liritannic Majesty's territories on l'eruvian ressels of the burden of above 200 tons, than shall be payable in tho same ports by Britisli vessels of the same burden.
6. Tho same duties shall be paid on the importation of any artiele which is or may be legally importable into the Republic of I'eru, whether such importation slaall be in Peruvian or in Ilritish vessels; and the same duties shall be paid on the importation of any article which is or may be legally importable into the dominions of her llitannic Majesty, whether such importation shall beiu British or in Peruvian vessels. The same dutles shall be paid, and the same bounties and drawbaeks allowed, on the exportation of any articla which is or may be legally exportable from tho liepublic of l'eru, whether such exportation shell be in Peruvian or in British vessels; and the same duties shall be paid, and the same bounties and drawbacks allowed, on the exportution of any article which is or may be legally exportable from her Britannic Majesty's dominions, whether such exportation shall be in British or in Peruvian vessels.
7. All merchants, commanders of ships and others, tho subjects or citizens of each country respectively, shall have full liberty, in all the territories of the other, to manage their own sffirs themselves, or to commit them to the management of whomsoever they please, as agent, broker, factor, or interpreter; and they shall not be obliged to employ any other persons than those employed by natives, nor to pay to such persons as they shall think fit to employ, any higher salary or remuneration than such as is paid, in like cases, by natives.
The subjects of her Britannic Majesty in Peru, ond the citizens of Peru, in the dominions of her liritannic Majesty, shall enjoy the same full liberty which is now or may hereatter be enjoyed by natives of each country respectively, to buy from and sell to whom they like, all articles of lawful commerce, and to fix the prices thereof as they shall see good, without being prejudiced by any privilege granted to other individuals to buy or sell; sulject, however, to the general contributions or imposts established by law.
The subjects and citizens of either of the contracting parties, in the territories of the other, shall enjoy full and perfect protection for their persons and property, and shall have free and open access to the courts of justice for the prosecution and defence in their just rights: and they shall bo at liberty to employ, in all causes, the acivocates, attomeys, or agents, of whatever description, whom they may think proper; and they shat enjoy in this respect the same rights and privilegcs as native subjects or citizens.
8. In whatever relates to the police of the ports, the ladiug and unlading of ships, the warehousiag and safety of merchandise, goods, and effects, the suceession to personal estates by will or otherwise, and the disposal of personal property of every sort and denumination by sale, donation, exchange, or testanent, or in any other manner whatsoever, as also with regard to the administrntion of justice, the subjects and citizens of each contracting party
whall enjoy, in the dominions or territories of the other, the same privileges, libertles, and righte, as nativo subjects or citlzens; and shall not bo charged, in any of these respects, with uny other or higher imposts or cluties thmin those which are or may bo pald by nativo subjects or citizens: subject always to tho local laws and regulations of such dominions or territories.

In the event of any subject or citlzen of either of the two contracting parties dying without will or testament, in the dominions or territories of the other contracting party, the consul-general, consul, or vice-consul of the nation to which the deceased may belong shall, so far as the laws of each country will permit, take charge of the property which the lecensed mny havo left, for the benefit of his lawful heirs and creditors, until an executor or alministrator bo named according to the laws of the country in which the decease shall havo taken place.
9. Tho subjects of her Britannic Majesty residing in the Republic of Pern, and the citizens of the Republic of Peru residing in the dominions of her Britamic Majesty, shall ve exempted from all compulsory military servico whatsoever, whether by sea or land, and from all forced loans or military exactions or requisitions; and they shall not be compelled, under any pretext whatsoever, to pay any ordinary charges, requisitions, or taxes, other or higher than those that are or may be paid by native subjects or citizens.
10. Each of tho two contracting parties agrees that it will not knowingly receive into, or retain in, its service, any subjects or eitizens of the uther party who have deserted from the naval or military service of that other party ; but that, on the contrary, each shall respectively discharge from its service any such deserters, ujon being required by the other party so to do.
And it is further agreed, that if any of the crew shall desert from the vessels of war or merchantvessels of cither contracting party, while such vessels are within any port in the territory of the other party, the authorities of such port and territory shall be bound to give every nsu!atnuce in their power for the apprehension of such ieserters, on application to that effeet being mado by the consul of the party concerned, or by the deputy or represontative of the consul; and no public body whatever shall protect or harbour such deserters.
It is further agreed and declared, that any other favour or facility with respect to the recovery of deserters, which either of tho contracting parties has granted, or may hereafter grant, to any other State, shall be granted also to the other contracting party, in the same manner as if such favour or facility had been expressly stipulated by the present treaty.
11. It shall be free for each of the two contracting parties to appoint consuls for the protection of trade, to reside in the dominions and territories of the other party; but before any consul shall act as such, he shall, in the usual form, be approved and admitted by the Government to which he is sent ; and either of the contracting parties may except from the residence of consuls such particular places as either of them may judge fit to be excepted.

The diplomatic agents and consuls of her Britannic Majesty in the Republic of Peru shall enjoy whatever privileges, exemptions, and immunities, are or may be there granted to the diplomatic agents and consuls of the same rank of the most favoured nation; and in like manner, the diplomatic agents and consuls of the Republic of Heris in the dominions of her Britannic Majesty shall enjoy whatever privileges, exemptions, and im-
munitles, are or may be there granted to agents of the sume rank of the most finvoured nation.
12. For the better security of enmmerce between the sulhjects of her britannle Majesty and the citizens of the diequblic of 1 'ers, it is agreed that if; at nuy time, any interrnption of friendly intercourse, or any rupture should unfortunately tako place between the two contracting parties, the suljects or citizens of elther the two contracting parties, resitling upon the consts, shall be allowed 6 montha, and those residing in the interior a yenr, to wisd up their accounts, and dispose of their property; and a safe-conuluet shull be given them to embark at the port which they shall themselves select. All suljects or citlzens of either of tho two contructher paries who may be establinheal in the dominions or territories of tho other, in the exercise ot any trade or special employment, slanll have the privilege of remaining and contimuing such trade or employment therein, withont any manner of interrnption, in full enjoyment of their liberty and property, as long as they hehave peaceably, and conmit no offence against the laws: mil their goods and effecte, of whatever deseription they may be, whether in their own cnstody, or entristed to individuals or to the State, shull not be liable to seizure or sequestration, or to any other charges or demanis than those which may be made upon the like elfects or property belonging to mative subjects or citizens, In the same case, debts between individuals, g'sblic fumes, and the shares of compnnies, shall never be conflscated, sequesterel, or detained.
13. The subjects or citizens of either of the two contracting parties, residing in the dominions or territories of the other, shall continue to enjoy, as bitherto, in regard to their houses, persons, and properties, the protection of the Government.

In like manner, the subjects and citizens of ench contracting party shall enjoy, in the dominions or territories of the other, full liberty of conscience, and shall not be molested on account of their religions belief, provided they respect the established laws and customs; and such of those subjects and citizens as mny dio in the territuries of the other party, shall be buried in the public cemeteries or necustomed places, with suitable decorum and respect.
14. If any slip of war or merchant-vessel of either of the contracting parties should be wrecked on the coasts of the other, such ship or vessel, or any parts thereof, and all furniture and nppurtenances belongiag thercunto, and all groods, and merchandise which shall be saved therefrom, or the produce thereof, if sold, shall be faithfully restored to the proprictors, upon being clnimed by them or by their duly authorised agents; and if there are no such proprietors or afents on the spot, then the said goods and merchanalise, or the proceods thereof, as well as all the papers fonnd oll boarl such wrecked ship or vessel, sliall be delivered to the British or Peruvian consul in whose district the wreck may have taken place; and such consul, proprictors, or ngents, sliall pay only the expenses incurred in the preservation of the property, together with the rate of salvage which would have been payable in the like case of a wreck of a mational vessel. The goods and merchandise saved from the wreck shall not be subject to duties, unless cleared for consumption.
15. The Republic of Peru engages to co-operate with her Britannic Majesty for the total abolition of the slave trale, and to prohibit all persons inhabiting the territories of the Republic, or subject to its jurisdiction, in the most effectual mumer, and by penal laws, from taking any share in such trade.
16. In order that the two contracting parti may have the opportunity of hereafter treath and arrecing upon such other arrangements may tend still further to the improvement of the mutnal intercourse, and to the ndvnneement the interests of their respective subjects ar citizens, it is agreci that, at any time aiter t] expiration of seven years from the date of th exchange of the ratifications of the present treat either of the contracting parties shall have th right of giving to the other party notlee of it intention to terminato Articles 3, 4, 5, and 6 , the preswnt treuty ; and that at the explrution 12 months after such noticu shall huve been ceived by either party from the other, the wai Articles, and all the stipulations contained therein whall cease to be binding on the two contractio partles.
17. The present treaty sliall be ratified by he 1ritannic Najesty the Queen of the United Kin, dom of Great Britain and Ireland, and by the l'resident of the lepublic of l'eru, with the aut thority of the congress ; and the ratifications shall be exclianged at London in 2 years, or soouer possible.
In witness whereof the respective plenipu' the tiaries have signed the same, and have aftued thereto their respective seals.

Done at London the 10th day of April, in the year of our Lord 1850.

Palmerston.
ii. Lanouchene. Joaça J. De Osma,

## Declaration made by the British Plenipotentiaryon the erchange of the Rutifications of the preceding Treaty.

Whereas by the second paragraph of Article 10 of the trenty of friendship, commerce, and navigation, between her Majesty the Queen of the United Kingdom of Great Britain aud Ireland and the lepublic of Peru, coneluded and signed at London on the 10th of April, 1850, it was stipulated, that if any of the crew shall desert from the vessels of war or merchant-vessels of either conracting party, while such vessels aro within nny port in the territory of the other party, the authoritaes of such port and territory shall be bound to give every assistance in their power for the apprehension of such deserters, on application to that effect being made by the coasul of the party concerned, or by the deputy or representative of the consul; and that no public body whatever shall protect or harbour such deserters:

And whereas the power of appreheading such deserters in the British dominions is by law conthed to seamen, not being slaves, who msy desert from merehant ships belouging to the subjects of n forcign lower:

I'he mndersigned, plenipotentiary of her Britannic Mnjesty, in proceeding to the exchange of the ratifications of the trenty above mentioned, therefore declares, that the ratifications are exchanged on the understanding that the above quoted stipulations of Article 10 thereof shall, in the lbritisl dominions, be held to be applicabie only to seamen, not being slaves, who may desert from merchaut-ships belonging to citizens of the Republic of Peru.

London, October 15, 1852.
Malmesbert.
Portugal.
Treaty of Commerce between Great Britain and Portugail. Signed at Lisbon, December 27, 1i0.

Article 1. His Sacred Royal Majesty of Portupal promises, both in his own name and that of his
the two contracting partles tunity of hereafter treating uch other nrrangements as to the himprovement of their and to the advancement of Ir respective subjects and that, at any thas after the that, at any the date of the catlous of the present treaty, eting partjes shall have the the other party notjee of its to Articles 8, 4, 5, and 6, of and that at the expiration of h notlce shall have been fo ty from the other, the said stipulations contained thercin, ding on the two contracting
reaty slall bo ratiffed by her he Queen of the United Kingain and Ireland, and by the epublic of l'era, with the auess; and the ratifications shall ondon in 2 years, or sooner if
sof the respective plenipu' anI the same, and have afixed tive seala. the 10th day of April, in the 350.

Palalerston.
H. Lanouchene.

Joañ J. De Osma.
by the British Plenipotentiaryon hc Rutifications of the preceding
second paragraph of Articie 10 riendship, commerce, and nsyiner Majesty the Queen of the of Great Britain and Ireland and Peru, concluded and signed at th of April, 1850, it was atipu$y$ of the crew shall descrt from y or merchant-vessels of either , while such vessels aro withia erritory of the other party, the ch port and territory shall be ry assistance in their power for of such deserters, on application ng made by the consal of the r by the deputy or representative d that no public body whatever arbour such deserters: he power of apprenending such British dominions is by law connot beling slaves, who may desert ips belonging to the subjects of
ed, plenipotentiary of her Bria proceeding to the exchange of of the treaty above mentioned, ;, that the ratifications are exunderstanding that the above is of Article 10 thereof shall, in tions, be held to be applicable not being slaves, who may desert hips belonging to citizenis of the
ir 15,1852 .
Malmesbers.
l'ortugal.
erce between Great Brituin ou? d at Lisbon, December 27, 1793.
facred Royal Majesty of Portugal a his own name and that of lis
succeasorn, to ailmit, for ever herenfter, iuto lortugal, the woollen cloths, and the rent of the worllen minnfactures of the IIrituns, as was aecustomed till they were prohiblted hy the laws; nevertheless, upon thls comilition:
2. That is to say, that her Sacred Royal Majeaty of (irent Britain manll, in her ow - mame and that of her snccensors, be obliged for ever hereatter to admit the wines of the growth of Portugal into jlritain; so that at no shane, whether there aliall be pence or war between the kingiloms of IIritain and France, anything mone shall be tumanded for these wines, by the name of cestom or laty, or by whatsouver other title, direcily or lndirectly, whether they shall the imported into Great, Britain in pipes or hegpahende, or other casks, then what shall be temunded from the Hko quantlity or mensure of French whe, deducting or abating a third part of the eustom or tluty: but if at any time this deduction or ahatement of customs which is to be made as afiresand, shatl in any manuer be attempted and projudicert, it shall be just and lawful tor his Sacred Royal Majesty of l'ortugal again to prohibit the woollen eloths, and the rest of the British woollen manufaetures.
3. The most excellent loris the plenipotentiaries promise, and take upon themselves, that their above-numed masters shall ratify this treaty, sud that within the spneo of 2 months the ratitications shall bo oxchanged.
Given at Lislon, the 27th of December, 1703.
Johin Metilekn.
Mahchis Aleghetensis.
Trealy of Commerce and Navigution between her Majesty and the Queen of Portugal. Signed at Lisbon, July 3, 1842.
Article 1. The subjects of ench of the high contraeting parties shall, in the dominions of the other, enjoy all the privileges, immunities, and protection enjoyed by the subjects of the most faroured nation. They shall be entitled to travel, to reside, to occupy dwellings and warchouses, and to dispose of their personal, leasehold, and all wher property lawfully held by them, by sale, gift, e:change, or will, or in any otber way whatever: without the smallest let, and without any hindrance whatever.

They shall be exempt from forcell laans, or any other extraordinary cont ributions not general, of not by law established, and from all military serviee by sur or by land. Their dwellings, warehouses, and everything belonging thereto, shall he respected, nud shall not be subjected to any arbitrary visit or search. No examination or inspection shall be made of their books, papers, or accounts, without the legal sentence of a contpetent court or judge.
The assessment of the amount to be paid by the British subjects in Portugal and its dominions for mancio or decima industrial, and from which they bave hitherto enjoyed special exemption, shall in all cases in future be made, if so daimed by them, aecording to the rate to be given by informatores, of whom two shatl be lortuguese and two 13ritish merchants, to be named by the Concitho de Districto; and in case any objectiom should be made by the parties assessed to the amount of the said asse-sment (which shall in all cases bear a just proportion to the rate at which the native subjects of Jortagal are nssessed), they shanll have a right to appeal to the tribusal of the 'Treasury, and to appear in person, or to be heard by counsel, before the said tribunal; aud in the menatime no "xecution shall be made on their properig, until an
ultimate decksion shall hove leen pronomencel ty
the suid tribumal. the suid tribunal.
It is, lowever, undersionit that liritinh sulyerts. restelent in l'orngenl and its dominions, nat carryhig ou trale, or exercisinf: may branch of industry therein, but derivinf their incomes frimin other nourees, shall, in like momer will l'ortuguese sulbjects, be wholly exemit from the opration of the sald mancio of derima industrinl tax.
The subjecta of each of the high eminacting parties shall also, within the domblons of the other, be allowet the free use and exercise of thelr rellgion, whehont beling in any manner disturted on acconnt of thedr religlons ophinhons: they shall bo allowed to nssemble togethre for the purposes of pultion worship, and to celchrnte the rites of their religion in their own twellinghouses, or in the chapels and places of worship nppointed for that purpose, without nuy the smallest hinitrance or interruption whatever, either now or herentier; nud her Most Finithful Majesty does now nud fur ever grachonsly grant to the subjects of her llitamic Majesty permission to bullil and maintain such chipels and pheces of worship within her domininus. It belige always understood that the said chapels and phaces of worship are not to have stecples and bells.
Her Britannic Majenty's suljects shall likewise have full liberty to bury their dead, nfter the mamer and with the ceremonles usual is thelr respeetive countries, and in the rrounds and cemeteries which they shall have purchased and prepared for that purpose; and the scpulchres of the tead, in conformity to ancient ond oxisting practice, shall in no way or on miny nocoust be distrrbed.
2. 'the subjects of either of the contracting parties may freely dispose by will of the persomal etleets which they shall possess in the territories of the other ; and their heirs, thourh suljects of ${ }^{\circ}$ the other contracting party, may succeed to their personal effects, either by will or ab intestato, and may obtain possesssion of the same in due course of law, either in person, or by other jersons appointed by them to act on their behalf. In the event of the absence of heirs, or of persons duly appointed to net for them, the consul may be authorised to take charge, in dne course of lnw, of the said effects, until the owner shall have made the necessary arrangements for obtaining possession of the property. If disputes shall arise between several claimants with respect to the title which each may have to the property, such disputes shall be decided by the courts of the country in which the property is situated; and if hereafter any favour as regards the possession or inheritance of landed or funded property (biens fonds) shall be granted, in the dominions of either of the high contracting parties, to the subjects of nuy other nation, the same favour shall extend reciprocally to their respective subjects, as the cave may be, either in Portugal or Great Britnin.
3. The subjects of either contracting party resinling within the dominions of the other, shall be free to manage their own affairs thenselves, or to commit those affuirs to the management of any persons whom they may appoint as their broker, fictor, agent, or interpreter; mor shall any such lbritish subjects be restrained in their choice of persons to act in such copacities, nor shatl they be called upon to pay any salary or remuneration to any person whom they shall not choss to employ. Absolute freedom shall be given, in all cases, to the buyer and seller to hargain together, and to fix ihe price of any goodn, wares, of merchandise, impurted into, or to be exported lrom, the
dominions of cither contracting party, the lawe nud entabilshed customs of the comintry being daly observed.

The atbjects of either of the hhy contracting parties residing within the dominions of the other shall be at liberty to open retnill atoren and shops, under the namu manicipal aul poliee regulations an native sutbjects: and they alaill not, la this respect, the liable to any other or higher taxes or impontes than those which are or may be pald by native nulijects.
4. 'I'here ahall be reciprocal liberty of commeree and mavigntion between the malhjects of the two high contractlige parties; and the subjecta of the two sovereligna renpectively whall not pay, in the portn, harbonts, ronds, dities, towns, or places whatnoever in either kingiom, niny other or higher duties, taxes, raten, or imposts, under whatarever names designated or included, than thoso which are there pail by the subjects or citlzens of the most favoured nation.

No duty of enstoms or other impont shall be charged upon any gooth, the proluce of tho one comntry, upon importation by sen or lyy land from that eountry into the other, higher than the duty or impost eharged njom grods of the same klad, the produce of anl imported from any other country ; and no clnty, restriction, or prohibition shall be imp. ssed upon the importatlon and exportatlon from one country to the otlier, of the goods and prodnce of ench, which shall not be imposed upon goods of the same kind, when imported from or exported to nny other country: and her Majesty the Qucen of the United Kingdom of Great Iritain and Ireland, and her Majesty the Queen of l'ortugal, do hereby bind and engage themselves, their heirs and successors, not to grant may favour, privilege, or immunlty, in matters of conimerce and navigntion, to the subjects or citizens of any other State, which slinll not niso and at the name time be extended to the ambjeets of the other high contracting party, gratuitously, if the concesslon in favour of that other State shall have been gratuitous; and on giving, as nenrly as possible, the same comprensation of equivalent, if the concession shall have been contitional.
5. No duties of tominge, and no harbour, lighthouse, pilotage, quaranitine, or other similnr or corresponding duties, of whatever nature, or under whatever denomination, ahall be imposed in eit? ${ }^{\text {and. }}$ country upon tho vessels of the other, in res in". of yoyages between the two countries, if lateu; or in respect of any voyage, if in ballast, which shall not be equally imposed, in the like cases, on nutional vessels.
6. All goods, the growth, produce, or mnnufacture of their respective possessions, which can legally be imported into cither country from the other, in ships of that other country, shall, when so imported, be subject to the same duties, whether they be imported in ships of the one country or in ships of the other; and in like manner, all goods whieh ean legally be exported from either conntry to the other, in ships of that other country, Nhall, when so exported, be subject to the same duties, and be ennitled to the same drawbacks, hounties, and allowances, whether they be exported in mhips of the one country or in ships of the other.
7. In order to promote and encournge the commercial intereourse between the dominions of the high contracting parties, for the mutual benetit of their respective subjects, her Britannic Majesty and her Nost faitlifil Najesty agree to take into cansiderntion the duties now levied upon artieles the prohuce or manufacture of either cominty, with a view to make such reductions in those duties as
may be conaintent whth the intereat of the high cont rncting parties respectively,

Thin matter shall withont ilelny be male thi subject of a aprecial negotintion betwrell the $t w$ Giovirnments.
X. lbritinh shipm ahall be allowed to procee direct froms any port of her Iritntanic Mnjenty domminions to nuy colony of her Mont Faithfu M!jesty, anul to Import linto auch colong any goosls the growth, produce, or manufneturn of thi United Kfigedom, or of any of the Ilritish do minlons, excejt such gools as aro prohibited t be limported into such colony, or which are ail mitted lito it only from the dominions of he Mont Faithful Majenty ; aud nuel Iritinh shipa and such goosen no imported in them, wall be liable In much colony of her Most Falthful Majenty to no hlyher or other duties and charges than wonld be there payable on Portugueae ships Importlug the like mort of goods, or on the like goredn, the growth, proluce, or manufneture of any foreign conntry, nad allowed to be imported into the andil colony in l'ortugnese ships.

In like manner, Portupueno ships shalt be allowed to proceed direct from any port of het Nost Faithful Mnjenty's domlnions to any colony of her Britannic Majesty, and to import into such colony any goods the growth, produce, or manufacture of l'ortugal, or of any of the P'ortuguese dominions, except such goods as are prohibited to lie imported into such colony, or which are admittel into it only from the dominions of her Iritanaic Majesty ; and such Jortuguene ships, and such goods so Imported in them, shall be liable, its auch eolony of her Britannic Majesty, to no higher ot other duties and charges than wonld be there payable on British alips importing the like sort of goods, or on the like groeds, the growth, pruduce, or manufacture of any foreign country; and allowed to be imported into the said colony in Iritisin ships.
9. British ships shall be allowed to export from any colony of her Most Falthfil Majesty to any place not under tho dominion of her said Majestr, nny goods not generally prohibited to be exported from such colony ; and such British ships, and such goods so exported in them, shall be liable, in such colony, to no other or higher charges than would be pryynble by, and shall be entitled to the same drawbacks or bounties as would be there allownble on, l'ortuguesc ships exporting such goods, or on such goods exported in 1'ortuguese ships,

In like manner l'ortugueso ships shall te nllowed to export from any colony of her Ilritannic Majesty to any place not under tho dominion of her sadd Majesty, any goods not gencrally pNhibited to bo exported from such colony; and such l'ortuguese ships, nid such goods so exported in them, shall be liable in such colony to to other or higher eharges thun would be payable by, and shall be entitled to the samo drawbacks or bounties ns wonld be there allowable on, British ships exporting such goods, or on sueh goods exported in IBritish ships.
10. It is hereby declared that the stipulations of the present treaty are not to be understood as applying to the navigation and carrying trade between one port and another, sitnated in the domimions of either contracting party, if such navigntion and trade should in those dominiens be reserved by law exclusively to mational veselh. Vessels of cither country shall, however, be patmitted to discharge part of their cargoes at one prort in the dominions of either of the high eastracting partion, and then to proceed, with the remainder of their cargo, to any other port of ports
th the interest of the hight pectively. without delay be mate the egotiation le'tween the two
all be nllowed to proceed of her Britannic Mnjeaty's lony of her Most Faitliful ourt into nuch colony any oluce, or mannfacture of the of any of the llritiah dogooda as are probliblted to dh colony, or which are ald. from the dominions of her ty; and such British shlps, imported In them, whall be of her Most Faithfill Majesty er duties and chargen thain yable on l'ortuguese shlps curt of goods, or on the like prosluce, or manufneture of and allowed to be lmported in Portuguese shlpa. l'ortuguese shlps sliali be direct from any port of het ty's dominions to any colony jesty, and to import Into auch se growtls, produce, or manuor of any of the Portuguese ch goods ay are prohibited to 1 colony, or which are admittel e dominions of her Britannic Portuguese ships, and such a them, shall be liable, in such nnic Majesty, to no higher or charges than woull be there slalps importing the like sort ike goods, the growth, produce, f any foreign country, and orted into the said colony in
hall be allowed to expert from Most Falthful Majesty to any clominlon of her ssid Majesty, rally prohibited to be exported and such British ships, and red in them, shall be liable, is other or higher eharges than by, and shall be entitled to the rr bounties as would be there tuguese ships exporting such gools exported in lortuguese

- Portuguese ships shall be om any colony of her tritantic ace not under the duminion of any goods not generally proorted from such colony; and fips, nud such goods so exported iable in such colony to no othet lunn would be paynble by, and the same drawbneks or bounties c allowable on, British ships ods, or on such goods exported
declared that the stipulations ty are not to be understuods havigation and carrying trade and another, situated in the er contracting party, if such ade should in those dominiess exclusively to national ressels. conntry shall, however, be proe part of their cargoes at one fions of either of the hish worand then to proeced, with the enrgo, to any other port or prits
in the name dominions, withont jnyibu any higher or other dutien In nieh cases, than national vessels would pity lin like eiremmatanea; nol they shall be pormitted to Iade, in like manuer, it idferent ports in the same vorage outwarils.

14. The reciprocal liberty of commerce and navigation declared and atipulated for by the present treaty, shall not extent to contrabind of war, or to articlea the property of the enemien of either party.
The jower granted by former (renties to earry; in the ships of either country; goobs mind merehnisdise of any demeription whatever, the property of the enemien of the other country; is now mutailly renomerd.
$1 \therefore$ In nll casea In which, in either kinglom, the duty to be levied upon any goods imported from the other kingdem whall te not a tixed rate, hint a propurtion of the value of the grools, such ad vaforem duty shall be ascertained and necured itu the fiollowhog manner; that is to say, the impocter shall, on making his entry for the pavment of duty at the custom-house, sign a declarntion, ntatiug the description and value of the goodes at suel nmount as lee shall deem proper; and in cuse the whicer or oflecers of the customs shall be of ophnion that wach valuation is insumbient, he or they shall lir at liberty to take the grools, cils paying to the importer the value thereof accorilng to the dectaration of the importer, tegether witl an adilition of 10 per cent.; and the cistom-lu use otheer shall, nt the sume time, return to the importer any duty which the importer may have pald upoit such goods; and the amount of these sums shall be paid to the importer on the delivery of the goods to the said oflicer or ollicens, which must not be jater than 15 days from the first detention of the goods.
15. Innsmuch ns all merchantise, of whatever origin, whether admissible for homo consmuption or not, may be received null wardhonsed in all those ports of the United Kingrlem of cireat Initain and Ireland whieh are by lnve appointe: to be warehousing ports for such articles, pending the entry of the same, either for home consumption or for re-exportation, as the ense mny be, uader the regulations appointel for this purpose, and without such artleles being liable, in the menntime, to the payment of any of the duties with which they would be churgeli, if upon nrrival they were enterel for consmmption within the linted Kiugdom;-in like manner the (encen of Portugal consents ant agrees that the ports of her Nost l'aithful Majesty's dominions, which now me, or which shall hereufter become by law, warehousing ports, shall he free ports for receiving and warehousing, cilher for home consumption or for re-exportation, as the ense may be, all merchmidise imported in British ships, mul all artieles whatever, the produce or mannfacture of the Iritish dominions, imported ly l'ortuguese ships; and the articles thus received and warehonsed, subject to due regulations, shall not be liable, in the meantime, to any of the duties with which they would be charged, if they were entered fur consamption on their arrivnl in the dominions of her Most Fuithfil Mujesty.
16. All poosls or merchandise found on boaril of, or which shall have formed the cargo or part of the cargo of $n$ vessel of the one country, which shall be wrecken, or left dereliet, on or near the const of the other country, unless the importation of sueh gonds or merchnindise shall be absolutely prohibited by law, shall be ndmitted for home consunption in the comstry on or sear the coast of which such vessel shall be wrecked, or left dereliet, or such goods or merchandise may be
found, on payment of the name duty, an if the said goons or merchandine lind been imported in a nathonal vemasl, even thomgli such groods or marchandlase conhi not by law ise imported Into the said comntry in any other than thitional vessels ; nud in tixing the annount of duty to bo paid on suel goods or merchandise, regard shall be had to any damnge which the atid goold of nerchandiac may have sumtnined,
fo prevent fromis, the Iharil of Customs of each nation whall exerche their judfunent as to the eamses of wrecks; nnd when they are satistled that the said wreeks were the resilt of accident or minfortune, and free from surphion of collusion, they shall anthorise, nt the option of the proprietor or agent, if present, or otherwise of the consil, the transhipment, or the sale for home consuinption, of the goods or merchnmine, jrovided thint such goods and merclumdise could have been bernily imported by the ships of the one country: into the prorts of the other comintry.

If muy ships of war or merchmit vessela should be wreekced on the coants of cither of the high contracting parties, such ships or vessels, or any parts thercof, and all fumiture and appurtenances belonging thereunto, and all goods or merclandise which shanll bo snved therefrom, or tho prodice thereof if soll, shall be faithfilly restored to the proprictors, upon leing duly clanmed by them, or by their agents duly nuthorised; or it there are no such proprietors or ugents on the spot, by the respective consuls of the nation to which the proprictors of the said ships, vessels, or goods may belong, and in whose distriet such wreck may have taken place, provided such claim he preferred within a year and a day from the time of anels wreck; and sueh consul, proprietor, or agent slall pay only the expenses incurred lo the preservation of the property, together with the rate of aalvage which would have been payable in the like ense of a wreek of a national vessel; athl the goods and merchandise saved from the wreek shall not be subject to duties, unless clenred for local consumption.
15. If any merchant vessel of either country should be tiriven inte the ports of the other by stress of weather, for the purpose of eflecting necessary repairs, every facility shall be aftorted to sucd vessel for obtaining the assistance it may be in need of.
The strictest reciprocity slinll be observed, in the most favourable sense, as to the relief to be ulloriled to such vessel from the dulies, charges, and expenses in the ports of either nation, to which vessels, entering solely for the purposes of trade, are subjected. Suflicient time shall be allowed for the completion of repnirs; nad while the vessel shall be umtergoing repair, its cargo shall not unneceswarily be required to be landed, cither in whole or in part ; and any difference of opinion which may arise between the customhouse anthorities and the masters of the said vessel, ns to the necessity of landing all or any part of the cargo, shall be referred to two sworn or public survegors, oue to be namel by the chief custom-house authority of the port, and the other by the consul of the nation to which the vessel belongs.

Her Majesty the Queen of Purtugal engages that the commerce of British subjects within the l'ortuguese dominions shall not be restrained, isterrupted, or otherwise affected by the operation of any monopoly, contract, or exclusive privilego of sale or purchase whitsoever; but that the subjects of the United Kingrom shall have free and umrestrained permission to buy from and sell to whomsocrer they please, and in whatever form

## TRLATIES (COMMERCI.LL)

and manaer may to agreed ipon between the [urchasir and seller, without heng obliged to frise any preterence or fivour in consequence of any such monopuly, contract, or exclusive privilege of sate and purchase, Aud her Britamic Majesty engages that a like exemption from restraint. in respect to purchases or sules, shall be mjoserl be the suljeets of her Most Faithful Majesty traline to or residing in the United Kingrion. Hat it is distinctly to he umderstood, that the present artide shall not be interpreted as athecting the sperial regulations now in force, or which may hureafter be macted, with $n$ view solely to the encourarement and amelioration of the Jonrow wine trade (it beine always mederstood that l3ritish subjects shall in respect of the said trade be phaced on thesame footing as Portugnese suljects), or with regard to the exportation of tho salt of sit. Libes.

This articledoes not invalidate the exclusive right poscessed 'y the crown of Portural, within its own dominions, to the farm for the salo of ivory, urzela, gold dust. soap, gunpowder, and tobaco for home consumption: providen, however, that should the abuve-mentioned articles, geneablly or separately, ever become articles of free conmerce within the dominions of her Most Fiathtul Majesty, the subjects of her Mritannic Majesty shall be permitted to traffic in them as freely and on the same footing as the suljects or citizens of the most favoured nation.
16. It is agreed and convenamted, that neither of the high contracting parties shall knowingly receive into, or retain in its service, any subjects of the other party who have deserted from the naval or military service of that other party ; but that, on the contrary, each of the contracting parties shall respectively diseharge from its service any such deserters, upon being required by the other party to do so.
It is further asreed and declared, that if either of the high contracting parties shall grant to any State any new favour or facility, with tespect to the recovery of deserters, such finvour or facility shall the considered as granted also to tho other contracting party, in the same manner as if the said faveur or facility had been expressly stipulated by the present treaty.
And it is further agreed, that if any apprentiees or sailors shall desert from vessels belonging to the suljects of either of the high contractinin parties, while such ressels are within any port in the territory of the other party, the magistrates of such port and territory shall be bound to give every assistance in their power for the apprehension of such deserters, on application to that effect being made by the consul of the party concerned, or by the deputy or representative of the consul; and no public body, civil or religious, shall protect or harbour such teserters.
17. Ner Britannic Majesty, on the representation of her Most Fathtul Majesty, and in contemplation of the improving system of law and justice in Portugal, hereby cousents to give up the excreise of the rights connected with the Conservatorial Court, sos soon and so long as I British sabjects are admitted in Portugal to the benelit of securitios similar or equiralent to those enjoyed by the subjects of her Most Faithtul Majesty in Great Britain, as regards trial by jury, protection from arrest without a warrant from a masistrate, nad examination within 24 hours alter apprehension, in flagrante delicto, and admission to bail. It being always understood, that in other respects the subjects of her Britannic Majosty in Portugal shall be placed on the sume footing as Portuguese subjects, in ull canses, whether civil or criminal;
and that they shall not, except in cases flagrantis delicti, be liable to imprisomment without formal commitment. (culpa formada) under a warrant signed by legal authority.
18. It is hereby agreed, that her Britannic Majesty, relving lipon the guarantees which are or may be nfforded to British subjects by the law of Portugal under the present constitutional system, hencefurward elaims for lBritish subjects in Portugal no privileges which are not enjoyed hy Porturuese sulyjects in the Portuguese or lbritish dominions. It being, however, understood, that her Britamic Majesty will be entitled, in the event (which God forbid) of political troubles affectind tho operation of the above-mentioned fuarantees, to claim the re-establis/mment and obsersance of the privileges surrendered by the present and preceding Article.
10. 'The present treaty shall be in force fur the term of 10 years from the date hercof ; mut further. until the end of 12 months after cither of the high contracting parties shall have given notice to the other of ita intention to terminate the same; each of the high contracting parties reserving to itself the ripht of giving such notice to. the wther at the end of the said term of 10 years, or at any subsequent time.
And it is hereby agreed between them, that, at the expiration of 12 months after such notice shall have been received by either party from the other, this treaty, and all the provisious theref, shall altoget her cuase and determine.
It is agreed, nevertheless, that either of the two high contracting parties shall have the right, at the end of 5 years, to require a revision ot any artieles not affecting the principle of the trenty, on giving 6 months notiee of a desire to make such revision : provided. however, that it be distinetly understood that the power of riving such notice shall not extend bevond, wor be recognised after, the termination of the filth year.

The present treaty shall be ratified, and the ratitications shall be exchanged at Lisbon at the expiration of 2 months from the date of its signature, or sooner if possible.

In witness whereof, the respective plenipotentiaries have signed the same, and have affixed thereto the seal of their arms.

Done at Lisbon, the Brd of July, in the year of our Lord 1842.

Howaris de Watidea.
Dequef de Palmelda.

## True Intent and Spirit of certain Points of Treaty. Lisbon, July 3, 1842.

The undersigned, her Britannic Majesty's pleaipotentiary for the negotiation of a treaty of commerce and navigation between Great Britain and Portugal, has the honour to declare to his Excelleney the Duke of lolmella, that with reference to Article 5, all vessels built in the territory of her most faithful Mnjesty, or whieh shall be British built, or which shall have been captured from the enemy ly the ships of the l'ortuguese Goverumant, and slare vessels condemned under simihar circumstanees, and which shall be wholly owned by any subject or subjects of her Most Fait hfal Majestr; and whereof the master and three-fourths of the mariners are subjects of her Most Faithtul Majesty, will be considered as Portuguese, and will be entitled to be placed on the footing of national vessels, and to be treated on an equalite with the vessels of the most favoured nation, in the ports of her Britannic Majesty, i.e., in Great Iritain and Ireland and the colonics liereinafter enumerated.

With reference to Article 8, in the words
in cases flagrantis it without forma under a wartant nat her Britannic ranteea which are ubjects by the law constitutional sysIritish subjects in are not enjoyed by rtuguese or 13ritish $r$, understood, that be entitled, in the f political troubles e abovo-mentioned -establishment and surrendered by the

I be in firce for the hereof ; and further er cither of the hiph given notice to the aate the same; eacl es reserving to itsel e to. the other at the ars, or at any subse-
tween them, that, at s after such notice either party from the e provisions thereof, termine. that either of the two all have the right, at ire a revision of any ciple of the treaty, ou a desire to make such , that it be distinetly of giving such notice or be recognised after, year.
be ratified, and the nged at Jisbon at the m the date of its sig-
respective plenipoteame, and have aftixed of July, in the ycar of

VARI) DE WALDES. UE DIG PALMELiA.
rtain Points of Trcuty. Sisbon, July 3, 1842. annic Majesty's plenion of a treaty of comcen Grent Brituin aul o declare to his Excel, that with refereme to in the territory of her which shall be british een captured from the ortuguese Goverument, ned under similar citall be wholly owned by Most Faithful Majesty, ad three-fourths of the Dost Faithful Majestr, ortuguese, and will be the footing of national on an equality with the d nation, in the ports of ., in Great Britain and ereinafter entmerated ticle 8 , in the words
'growth, produce, and manufacture' the wines and brandies of l'ortugal are comprehendel.

With reterence to Articlo 14, the jurisdicnon of the Cinque leorts does not interfere with the stipulations of this article.

With reference to Article 17, in respect to the declaration of her Britanuic Majesty rerarling the conlitionn] surrender of the rights connected with the Conservatorial Court, whenever the Portuguese tiurermment sholl have officially communieated to lur Majesty's Government any law or laws establishing the guarantees in question, her Majesty will recognise the right of the Portuguese Government to declare the further jurisdletion and anthority of the British Conservatorial Court to have ceased by consent of her Majesty.
The colonies referred to are Canada, Newfomadband, Nova Scotia, Cape Breton, New Brunswick, lrince Elward Island, and all other Iritish possessions in North Amerien, British West Indies, inchuding the ishunds and possessions on the continent of Sonth America, Cape of (iood Mope, and other possessions in Africa; the Manritius, the Istand of Ceylon, Van Diemen's Land, New South Wales, New Zealand.

Howamp de Wampen.

## Listoon, July 3, 18.12.

The undersigned, her Most Faithful Majesty's menipotentiary, has the honour to declare, by order of the Government, to Lord Howard de Waklen, in reference to the Article I of the treaty of commerce and navigation, by both concinded and signed to-day, between Portugal and Great Britain, that the maximo that can be collected trom any British sulject for mancio or decima industrial, will be 20 per cent. upon the rent of their shops, dwellings, and warehouses, which will serve as an invariable rule to the tribunal of the treasury for deciding the appeals made by British subjects.

Dike of Palmibia.
Lisben, July 3, 1842.

## Prussia.

Convention of Commerce betuecn his Britannic Mujesty and the King of Prussia. Signed at London, April 2, 1824.

Article 1. From and after the 1st of May next, Prussian vessels entering or departing from the ports of the United Kingdom of Great 13ritain and Ireland, nud British vessels entering or departing from the ports of his Prussian Majest v's dominions, whall not be subject to any other or higher duties or chatues whatever thain are or shall be levied on national vessels entering or departing from such ports respectively.
2. All articles of the growth, produce, or manusfacture of any of the dominions of cither of the high contracting parties, which are or shall be permitted to be imported into or exported from the ports of the Uuited Kingdom and of Irussia, respectively, in vessels of the one combtry, shall, in like manner, be permitted to be imported into and exported from those ports in vessels of the wher.
3. All artieles not of the growth, produce, or manufacture of the dominions of his Britannic Majesty, which can lecrally be imported from the United Kingdom of Great Britain and Ireland, into the perts of Prussia, in British ships, thall be subject only to the same duties as are payable upon the like artieles if imported in l'rissian ships; and the same reciprocity shall he observed in the ports of the United Kingdom, in respect to all articles not the growth, produce, or manufac-
ture of the dominions of his Prissian Majesty, which can legally be imported into the ports of tho United Kingdom in 1'russian ships.
4. All goods, which can legally be imported into the ports of either comitry, shall be admitted at the same rate of cluty, whether imported in ressels of the other country, or in national ressels; and all goods which can be legally exported from the ports of either country, shall be entitled to the same botnties, drawbacks, and allowances, whether cxported in vessels of the other country. or in national ressels.
5. No priority or preference shall be given, directly or indirectly, by the Government of either country, or hy any company, corporation, or agent, acting on its behalf or under its authority, in the purehase of any artiele, the growth, prodnce, or manufacture of either comentry, imported into the other, on necount of or in reference to the character of the vessel in which such article was imported; it being the true intent and meaning of the high contracting parties that no distinetion or difference whatever shall bo made in this respect.
6. The present convention shall be in force for the term of 10 years from the date hereof; and further, until the end of 12 months after either of the high contracting parties shall have given notice to the other of its intention to terminate the same; each of the hirh contracting parties reserving to itself the right of giving such notice to the other, at the end of the said term of 10 years: and it is herebe agreed between them, that, at the expiation of 12 months after such motice shall have been received by either party from the other, this eouvention, and all the provisions thereof, shall siltogetier cease and determine.
7. The present ronvention shall be ratified, and the ratitieations shall be exchanged at London, within I month from the date hereof, or sooner if pissible.

In witness whereof, the respective plenipotentiaries have signed the same, and have aflixed thereto the seals of their arms.

Done at London, the 2 ud day of April, in the year of our lord 182.t.

## George Cansting. W. Huskisson. Wertuen.

An order in council, dated May 25,1824 , directs that, from May 1, 1824, Prussian vessels entering or cleparting from the ports of the Unitel Kingdons of Great llritain and Ireland, shall not be subject to any other or higher duties or charges whatever than are or shall be levied on British vessels entering or departing from such ports; that all artieles of the growth, produce, or manufacture of any of the dominions of his Prussian Majesty, which are or shall be permitted to be imported into or exported from the ports of the United Kinglom of Crreat liritain and Ireland in British vessels, shall, in like manner, be permitted to be imported into and exported from the said ports in Prussian vessels; that all articles not of the growth, produce, or manufacture of the dominions of his l'russian Majesty, which cat legally be imported from Prussia into the ports the United Kingdom in I'russian ressels, shall be subject only to the same duties as are payable upon the like artickes if imported in British ships; that all goods which ean legally be imported into the ports of the United Kingdom shall be admitted at the same rate of duty, when imported in Prussian yessels, that is charged on similar articles impcrted in British vessels; and that all goods which can be legally exported from the ports of the United Kingdom, shall be entitled to the same bounties, 5 A 2

Irawhachs, and altowames, when exported in I'russian vessels, that are granted, puid, or alowed on similar artiches when exported in Itritish vensells.
A Trumary letter, dated Octoler 13, 189.1, dirrets, that with reeppeet. to priotage and all other daties cluarged on vessels lomberging to drussia, Swedent, mid Norway, Demark, Hanover, nad Ilmulurg, which have cutered or which may rinter the prots of the United Khgedom, rither from stress of wenther or from nay other cmames, it was the intentien of the lords of the committere of l'risy C'ouncil fier 'Trade, that such dues stombil not be ligher than are charged nom Iritish yossols, mull that it is ouly tu the mase of gowns imperted into this comentry, nud not hrougha direct from the country to which the versol luydongs, that. the rguality of iluty does not milly:

Aa order in comicil, dated May:3, $1 \times 2: 3$, etater, that. his Majosty is pleased to ilerelare, that the shipis of and bedongiar to the dominions of his Hajosely the King of Prussia ares entithel to the privileges granted by the law of mavigation, and may import from the deminions of his Majesty the King of I'russia, into my of the British 1mesesssions abromal, goods the proulace of such dominions, and may export grods from such Iritish possessions abrobid, to bee carriend to athy forcign conntry whinere.

## 

Conrention of' Commerce and Narigntion beturern (ireat Brituin, on the one part; and Prussia, Merraria, Saromy, I'urtombery, Buthen, the Filctitorate of Hesse, the Graml buchy of Messe, the stutes fiorming the Commerrial l/nion of Thuringin, Nassall, and l'runtfiot, on the wher purt. Mara 2 , I8:II.
Article 1. 10 comsideration of the circomstance that Ifritish vessely are admittol, tongether with their cargomes, to entry in the ports of Prassin, mad of the ofter states of the aformamed Dinion of Contoms, when coming from the ports of nll combries, and in eonsideration of the emenessions atipulated in this present courention fur liritish raile with all the states of this Union of Costoms; in ronsidctation nlat of the farility which the aplication of stem power to manh mavigation
 chandise of all kinds inf nad down rivers; and in conside ration of the new opening which muy ly these mems be piven to the trade and narigntinin hetwern the Enited Kingdom and the Trinish pussessions abroad en the one hame, mal the states menvemposing the Union of Custums on the rither; some of which states use as the maturat outlet of their eommerce ports not within their own dominions; it is agrecel that, from and ater the date of the exclange of the ratifications of this present convention, 1russinn vessels, and the ressels of the other states forming the said Union of Constoms, together with their eargoes, consisting of all such roods ans can be legnily imported into the United Kinglom and the llritish possessions abromel, by the siaid vessils from the ports of the rountries to which they respectively belong, shall, when coming from the months of the Mense, of bue Emes, of the Weser, and of the E:lbe, or from the montha of my maigable river lyitir between the lilbe and the Mense, and forming the means of emmmaication between the sea mad the terrilory of any of the Germanstates which are parties to this treaty, be admitted into the ports of the Cuted Kinglom, and on the British possessions abroad, in as full and ample a manner, as if the ports from which such vessels may have come, as
aforesaid, woro within the dominions of I'ruswin, or of any othor of the stutes aforesain!; nud suedi vessels slatl low permitted to import the groods above mentioned , upin the same turins on which the said groxds might loe imported if coming from the mational purts of such vessels; aull aloso thut, in like mamare, such vensels proceding from Grent loritain and her colomint pesseseskond abrual to the piaces than referred to, rimill be tremted as if retarning to a l'rissian Baticic port: it lwing maleratonal that. these privileges aro to extonit to the vessels of l'rossia nad of the states ntoresaind. mati to their cargues, only in respaet to chech of the maid ports in which firitishl vesects mul thaip cargeres slanlt, mon their arrival thereat, nud departure therefrom, continues to the placed on the same fienting as the vesselas of I'russia nud of the other states of tha mion.
2. The King of I'russin, in his own mme, and in the mame of the states nfuresaid, ugrres toplare, always and in every way, the trade and mavi. fiation of Hos nuljects of her Britamic Majiesty, in resperet to the importation of angar nud rise, upon the sane footing ne that of the most filvourcd mation.
3. In the event of other German statey joining Hue tiermanic thiom of Customs, it is licrehy arrecel that. such other states shall he ineloded ia all the ntipulations of the present eonventinn.
I. Thae present cunvention shunll be in forre until the ist of Jamary, 1812, and firtior tor the form of is yenrs, provided neither of the high contracting partien slatl have given to the wher is monthes previons notico that the same shall cense to be in foren on the said Ist of damary, 18.12; nud ir meither party shall have given io the other fo montins previons notice that the present convention shall edne on the first dar of danary, $18: 18$, then the present convention shall firther remain in foree matil the las of Inmary, 185.5 , and further, matil the cand of tis months after cither of the high eontrateting partics shall have given notice to the other of it intention to terminate the same, each of the hivis couracting parties reserving to itself the righa of priving such notice to the other ; and it is here! ngreed between them, that at the expiration of i: mondis after such notice shall have been reecived by cither party from the other, this convention, and all the provisions thereof, slall altogether crase and deterinine.
The present convention shall be ratitied, and ilee ratifications thereof shall be cexchanged at lamilom, at the expiration of 2 montlas, or sumer if possilite.

In withess whereof, the respective platuiptentiaries have sigued tho same, and bave allised thareto the seals of their arms.

Dome at homdon, the 2nil day of March, ia the year of our Lerd 18:11.

Pabmithton.
II. Labovenere.

By an order in council, dated Augnst 28,1811, it is ordored, that. Prussian vessels, nud the vesseds of the other states forming the German Lnion of Custums, Logether with their cargoes, consisting of all such goods as can be legally imported into the United Kingrdom and the British possessians abroith, hy the said vessels, from the ports of the comintries to whiel they respectively belong, shath When coming from the mouths of the Mense, of the Eims, of the Weser, and of the Elbe, or frome the monthe of any navigable river, lying belwetll the Filbe mul the Mense, and forming the means of commmication between the rea and the tefritory of any of the German states, which ane
c dominions of I'ruswia, utes aloresamid; and sumely ed to import than goodn lue amme terms on whinh imported if coming from vessels ; and nlso that, vessels procochling frum jomial possexsmons abrual al to, Hlunll be treated as if It bultie port: it being rivileges are to extend to il of the states aboresmid, Iy in resperet to cach of the Gritish versels and their heir arrival thereat, and alinue to to placed on the sels of l'russin nud of the
alin, in him owin unme, and es nforesald, ngrees toplare, way, the trade mal masiof her Britunic Majesty. ortatlon of nugar and rice, if as that of the most fa-
ther (ierman stales joinime of Customs, it is herebly retates whall be incinded in the present eonvention. vention whall be in form ary, 1842, and liurther for rovided neither of the high all have given to the wher notico that the smme shald in the raid lat of Jamuary, - party shall have piven io - previous netiece that the hall ease on the tirst day ien the presellt eonvention 1 in fores mentil the lat of urther, until the end of $1:$ : of the high contration en notlee to the other of its the same, each of the high eserving to itacli the right al the ofher; and it is herety , that at the expirntion of it otice thall have been received in the other, this convention, mis thereof, slall altoratlee
ention shall be ratified, and ereof shall be exchamget at ration of 2 m monthes, or suons
of, the respective plenipoterthe same, and have alixet their arms.
the end day of March, in the II.

Paimitheron.
11. Jabuuchere.
puncil, dated Augnst 28, 1811 , russinu vessels, aud the ressis forming the Geranal Union of with their cargoes, consistin" s can be legnlly impored intio $m$ and the llritish pussessinns I vessels, from the ports of the they rcapectively: belouk, blath the months of the Mense, is eser, and of the Elbe, or frou navigablo river, lying belwen Jeuse, and forming the means between the sea and the terthe German states, which are
partios to this tready, he mbuitled intu the purts ot the United liagriom and of the liritish pusserssionas abromel, in as foll and nomple a manamer as if ports from which such vessels may have come as aforesnid, and such vessels shall be promitad is iampre the goode above-mentionsed ingoln the mane trims on which the sulu goods might be impurted if coming from the mational ports of surlo vessels; and also that in like manmer satela vesade proweraline from tirent liritain and her colomial possarssimes abrond, to the purts or phaces thats refirred bu, shall be Irathel as il refuruing to a lrassian Batite port; it beimg mulerstome that these privileros are to extemd to the vessels or I'russiat and the states aforesaid, and to their corbous only in respert to enebs of the said states, which lititish
 thermi sual departure therefom, continta to be placel ipon the mane fonting as the vesudels of J'russia and of the other states of the union.

Trraty of Commeree befuren her Majrsty und the \%ohrercin. Nigurel at Burlin, Muy: (io, 1N6is. Rutifications carchanferl at Berlin, June 30 , 186\%.
Article: 1. The subjects of her Britamic Majosty who dwedl either temporarily or perma-
 jeres of the States ol the Zollvercin whorlwell either iemperally or permanomly in the dominions or
 theridy, in resperet to the exereise of commere
 to bo higher or ofler laxis than, the subjopets of any third eonntry the luost lavoured in those resperet.
$\therefore$ 'Ther produec and manufactures of the dominions and possessions of har Itritnmin: Majesty which may be imported into th: Zollverein, ani the proshere mad manafaetares of the sitates of the \%onlverein which may be intported into the Enibel Kingrlom of liment Britant and Irehand, wheder intembed for consumption, warehomsing, re-x mortation, or transit, shall therein be treated in the same manner as, and in partieular shall be mabjeet to no highor or wher duties than, the produce mad mamitatures of any thind comitre the most finvoured in those respeets.
is, No other or highur daties shall bo levied in the Zollverein on the exportation of any quods to the dominions and possessions of har Dritamie Majesty, bur in the dominions and possesssions of her Britamic Majesty on the expertation of any goods to the Zollvererith, than are or mas. be levied on the exportation of the like gomes to any third conatry the mose favoured in that respert.
I. 'ine fransit of frowd to and from the linitel
 fre from all transit, slution in the \%oltwerein, and the transit of grouts to ami from 1 " holverein shall be free frum all transit clatios it . the United Kiaghom of tireat Britain and Jrelan
i. Any favomr, privilege, or reducti. is in the tatifl of daties of importation or es artation, which either of the contanetiog partien may soncede to any third lower, shall be axtended immediately and meomditionally to the others.
No prohibicion of importation or exportation shall be established by eilher of them arginst the other, which shall not at the same time be aphlicable to all other mations.
The eontracting parices engage not to prohibit the exportation of conl, and to levy no dinty ujon such exportation.
The preceding provisions respecting the prohibition of exportation shall not invalidate the
obligations which the mastitution of the I invmanic: Confederation imposes on the tierman Statem which rompose the Zolliorein.
(6. With regard to lhe marks or latals of goods, or of their pmekages, and mano with regard to
 sulyeets of the States of the Zollverein shall -njoy in thos United Kingion of Grent Britain and Irulame, and the milepeets af her Iritamia: Majesty shall enjoy in the Siates of the Zollverein, the same probection as mative suljeets.
7. The stipulations of the preceding Artieles 1 to if shatl atso be applied to the eolonies atmit forcigh possusesions of her Britamice Majosty. It thene colonies and possessions tho problace of the States of tha Zallverein shall not be maliject. to any hicher or other import duties than the produce of the United Kiopdome of (ireat Britaia and Irelami, or of any other eomutry, of the like kinti nor shall the exportation from those colsnies or pussessions to the Zollvereian be suliject to tuy higher or ofler duties than the exporiation to the Vinted Kingdom of Girent Ibritain mal I reland.
8. 'The present trinty shall come into force ont the lsh of duly, istif, anil shatl remain in foree motil the 30 oth of June, $1 \times 7 \overline{7}$. In cane meither of the contracting parties shall, 12 months before the last-mentioned day, have fiven notice to the other of the intention to terminate the uperation "f the trinty, then tho same shall confinne in force until the expiration o1 one year from the das upon whels either of the contrneting partiow shatilhave given motise to the other to terminate the satme.
!1. 'The present treaty whall tre ratitied, and the ratitiontions thereof shall be exchonged at lberlin in Itreer weeks (this term was subserpuently extumbel hy protocol to the 30th of Jume), or sooner it possible.

In withess whereof, the respertive plempotentiarias have migaed the same, and have atlixed thereto the sabl of their arms.

Done: at Herlin, the 30th day of May, in the year of uar laril letio.

## NAplith.

Joiln Walto,
Bismanck,
V. D'ommer-lisemb.

De\&m\&ück.
liussia.
Truaty of Commrrce amd Navigutiom beturern larr Lhajest! und the Jimperor of all the Hussias; mith thres Sepmrate Artirles thereunto annexmi. Asfaed at st. Petorshary, January 12, 1859.
Arichel. 'Thereshall beberween all the dominions amd possessions of the fwo high contracting partion, reciproal fredom of commerce and unvigation. The subjects of each of the two contracting parrties, respectively, shall have liberty freely mal securely to come, with their ships and cargoes, to all places, ports, and rivers in the dominions and possessions of the other, to which other foreigners are or may be permiticol to come; and shall, throughout the whole extent of the dominions and pussessions of tho other, bingoy the same rights, privileges, liberties, favours, immunities, and exemptions in matters of commerce and movigation, which are or may be enjoyed by mative suhjects renerally.

It is understood, however, that the preceding stipulations in no wise alfect the laws, decrees, and special regulations regarding commeree, industry, and police, in vigour in each of the

## TREATIES (COMMERCIAL)

two combtries, and generally applicable to all loreigners.
2. No other or hifher daties shall be imposed on the importation into the tominion and possessions of ber l3ritamic Majesty, of any article the growth, produce, or mannfincture of the dominions and possessions of his Majesty the Eimperor of all the Russias, from whatever placo arriving, and no other or higher duties shall be imposed on the importation into the dominions and possessions of his Majesty the Emperor of all the Russias, of any article the prowth, produce, or manufacture of her Britamic Majesty's dominions and possessions, from whatever place arriving, than aro or shall be pabable on the like artiele, the frowth, produce, or manufacture of any other foreinn couniry; nor shall any probibition be imposed on the importation of nay article the growth, produce, or manufacture of the dominions and possessions of cither of the two contracting parties into the dominions and possessions of the other, which shall not equally extend to the importation of the like articles being the growth, produce, or manufacture of any other country.
3. No other or higher inties or eharges shall be imposed in the dominions and possessions of either of the contrneting parties, on the exportation of any article to the dominions and possessions of the other, than such as are, or may be, parable on the exportation of the like article to any other forcign country; nor shall any prolaibition be imposed on the exportation of nny article from the dominions and possessions of either of the two contracting parties to the dominions and possessions of the other, which shall not equally extend to the exportation of the like articte to any other country.
4. The same reciprocal equality of treatment shall take etlect in regard to warehousing, and to the transit trade, and also in regard to bounties, facilities, and drawbacks, which are or may be hereafter granted by the legistation of either comntry.
5. All merchandise and articles of commerce, the produce or manufacture eitlier of the dominions and possessions of his Majesty the Jimperor of all the Jinssias, or of any other comutry, which are or may be legally importable into the ports of the United Kingdom of Great Britain and Ircland, its dominions and possessions, in British vessels, may likewise be imported into those ports in Russian vessels, without being liable to any other or higher duties, of whatever tenomination, than if such merchandise and articles were imported in Iritish tessels; and recprocally, all merchandise and articles of eommoree, the produee or manufacture cithor of the United Kingrlom of Great lritain and lreland, its dominions and possessions, or of any other country, which are or may be legally importable into the ports of the dominions and possessions of his Majesty the Emperor of all the Linssias, in Russian vessels, may likewise be imported into those ports in British vessels, without being liable to any other or higher duties, of whatever denomination, than if such merehandise aud articles were imported in Russian vessels. Such reciprocal equality of treatment shall take eflect without distantion, whether such merchandise and articles come directly from the plate of origin, or from any other place.

In the same manmer, there shall bo porfect equality of treatment in repard to expuration, so that the sane expert duties shall be paicd, and the same bomaties and drawhacks allowed, in the dominions and possessions of either of the high contracting parties, on the exportation of myy
arlicle which is or may be legally exportable therefrom, without distinetion, whether sueh exportation shall take place in Russian or in liritish vessels, and whatever may be the place of destination, whecher n port of the other contracting party, or of any third power.
f. No duties of tomate, larbour, pilotage, lighthouse, guarantim, ur otber similar or corresponding duties of whitever mature. or muder whatever denomination, levied in the name or for tho protit of Giovernment, public functionaries, private individnals, corporntions, or estnblishments of any kind, shall be imposed in the ports of either country upon the vessels of the other country, which shall not equally and under the same conditions be imposed in the like eases on national vessels in general; the intention of the two high contracting parties being that, savo certain exemptions which the slipping of some ports of the United Kingdom of Grent Tritain and Ireland enjoys from olif tinnes, in this respeet there shall not exist in their respective dominions and posssessions, in regarl to the above-mentioned duties, any privilege or preterence whatever fiwouring the national thag to the prejudice of the thar of the other party. Such egunlity of treatment shall npply reciprocally to the respective vessels. from whatever port or place they may arrive, and whatever may be their place of destination.
7. In all that regards the stationing, loading, nud unlonding of vessels in the ports, basins, docks, rondsteads, harbours, or rivers of the two conntries, no privilege shall be granted to mational vessels which shall not be equally gramed to vessels of the other country; the intention of the contracting parties being that in this respect als" the respective vessels shall be treated on the footing of perfect equality.
8. The stipulations of the preceding articles shall not apply to the consting trade, which cach of the high contracting parties shall regulate according to its own laws.

The vessels of each of the two contracting parties shall, however, be at liberty, according as the captain, proprietor, or other person duly authorised to act as arent for the vessel or cargo, shall consider advisable, to proced from one port of one of the two States to one or several ports of the same State, in order to discharde the whote or part of their cargo brought from abroal, or in order to take in or complete their eargo, without paying other duties than those to which national vessels are, or may hereafter be liable in similar cases.
9. All vessels which according to the laws of Great Britain are to be deemed British vessels, and all vessels which aceording to the laws of the Empire of lassia are to be deemed liassian vessels, shanl for the purposes of this treaty be deemed British and Russian vessels respectively:
10. ller Britumic Majesty engages that in all matters relating to commerce and narigation, the subjects of his Majesty the Emperor of all the Russians shall, in the British dominions, be entitled to every privilege, favour, and imaunitr which is actually uranted, or may hereater be granted, by her İritamic Majesty to the sulijects or eitizens of ally other power; and his lajesty the Emperor of all the Russias, actuated by a desire to fostor and extend the commercial relations of the two conntries, engages that ans privilege, favour, or immmity whatever, in recrard to eommerce aud mavigation which his Imperial Majesty has actually rranied, or may horeafter grant, to the subjects or citizens of any other state, shall be extended to the suljens of her Britamnic Majesty.
y bo legrilly exportnble action, whether such exction, Russinn or in liritish ny le the place of destiof the other contracting wer. mage, harbour, pilotage, or witier similur or correartever mature. or umder , levier in the name or for oent, public functionaries, mporations, or establishIl be imposed in the ports , the vessels of tho other not equally and under the rosed in the like cases on rase; the intention of the two es being that, save certaia shipping of seme ports of f Grent ISritain and Ireland f Grent britain and reland
, in this respeet there shall ,ective dominions and poshe ubove-mentioned duties, herence whatever fitvouring erence ${ }^{\text {rejutice }}$ of the flay ol ne pry egulity of treatment neh eguth respective vessels. - place they muy arrive, and ir place of ilestination. ords the stationing, loading, els in the ports, basins, ducks, or rivers of the two counhall be granted to mational not be equally gramted to nountry; the intention of the eimg that in this resplect als" els shall be treated on the ality.
is of the preceding articles ie consting trade, which cach ong parties shall regutate acaws.
ll of the two contracting parbe at liberty, according as the or other person duly autho. $t$ for the vessel or cargo, shall to proceed from one port of to proceed from several ports of tes to one or severa ports on b brought from abroad, or in complete their cargo, without than those to which natuonal - hereafter be liable in similar
hich aceording to the laws of to be deemed IBritish vessels ch aceording to the laws of the t ure to bo deemed Russian the purposes of this treaty be d Rusian vessels respectively, ie Mnjesty engages that in all is Majestree and navigation, [1, in the British fominions, be rivilerge, favour, and imaunity granteci, or may herenfter be pritumic Mnjesty to the subjects other power; and his Najesty all the Russias, netuated by a mad extend the conmercial re-
wo cot wo countries, engages that any or amm navigation whatever, in re has actunlty granied, or may o the subjects or citizens of any he extended to the subject Majesty.
11. Tho subjects of either of the two hish contracting parties, conforming themselves to the haws of the eanntry, sluall hitve-
(1) Full liberty, with their families to enter, travel, or reside in any part of the dominions and prosessions of tho other contracting party.
(2) 'They shall be permitted, in the towns and parts, to lige or possens the honses, warchouses, shopls, and premises, whieh may be necessury for theits.
(i) They may curry on their commeref, rither in person or by any arents whom they may think fit to employ:
(d) They shall mot be subject, in respect of their persons or property, or in respect of pussports, licenses tior residence or establishment, nor in respect of their commeree or industry, to any taxes, whether general or local, nor to imposts or wbligations of any kind whatever, other or freater than those which are or may be imposed upon native subjects.
12. The dwellings and warehouses of the subjects of either of the two high contrueting parties in the dominions and possessions of the other, and all premises appertaining thereto, destined for purposes of residence or comineree, shall be respected. If there should be occasion to make a searel of, or a domicilintory visit to, such iwellings and premises, or to exumine or inspect books, papers, or aceonnts, snch measure shall be executed only in conformity with the legal warrant or order in writing of a tribunal, or of the competent authority.
Whe subjects of either of the two contracting parties in the dominions and possessions of the other shall have free access to the courts of justice for the prosecution and defence of their rights. They shadl enjoy in this respect the same rights and privileges as subjects of the conntry, and shall, like them, be nt liberty to employ, in all causes, their advocates, attorneys, or agents from among the persons admitted to the exercise of those professions according to the laws of the country.
13. The subjects of either of the two contracting parties in the dominions and possessions of the other sball be at full liberty to aequire, possess, and dispose of every deseription of property which the laws of the country may permit any fureigners, of whatsoever nation, to acquire and possess. They may aequire ant dispose of the same, whether by purchase, sule, tonation, exchange, marriage, testament, succession ab intestato, or in any other manner, under the same roaditions as are established by the laws of the country for all foreigners. Their heirs and representatives may succeed to and take possession of such property, either in person or by agents aeting on their behalt; in the sume manner and in the same legal forms as subjects of the country. In the alsenee of heirs and representatives, the property shall be treated in tie same manner as the tike property belonging to a subject of the country under similar circumstances.

In none of these respects shall they pay upon the value of such property any other or higher impost, duty, or charge, than is payable by suljects of the country. In every case the sub)jects of the contracting parties shall be permitted to export their property, or the proceeds thereof if sold, freels, and without being subjected on such exportation to pay any duty no firciprecrs, or any other or higher duties than those to which suljects of the comutry are lindle under simitur riremmstances.
14. The subjects of either of the two high contracting partics in the dominions and possessions of
the other, shall be exempted from all compuisory militury service whatever, whether in the army, mavy, or mational suard or militia. 'They shall bo equally exempted tran all judicial and monnicipal eharges und functions whatever, as well as from all eontributions, whether pecuniary or in kind, imposed as a compensation for persoual service; and, timally, from foreed loans and military exactions or requisitions.
la regaral, however, to judicial and manicipal elmarges and limations, thoso shai) be excepted which are consegnent upon the possession of real property or of a lease; and in regard to military exactions and repuisitions, those which ull subfret.a of the country may be required to furnish as landed proprietors or as farmers.
15. 1t shall be free for each of the two hight contracting parties to appoint consuls-general, consuls, vice-consuls, and consular agents, to reside in the towns and ports of the dominions and possessions of the wher. Such consuls-general, consuls, vice-consuls, and consular agents, however, shall not enter upon their functions intil after they shall have been approved andadmitted in the usual form by the Government to which they are sent. They shanl exercise whatever functions, and enjoy whatever privilerfes, cxemptions, and immunties are or shall he granted there to consuls of the most fivoured nation.
16. Any ship of war or merchant-vessel of either of the high contracting parties which may be compelled by stress of weather or hy aceident to take shelter in a port of the other, shall be at liberty to retit therein, to procure all necessury stores, and to put to sea again, without paying any dues other than such as would be payable in a similar case by a national vessel. In ease, however, the master of a merehant vessel should be under the necessity of disposing of a part of his merchandise in order to defray his expenses, he shall be bound to conform to the recrulations and tariffs of the place to which he may have come.

If any ship of war or merehant vessel of one of the high contracting parties should run agromad or be wreeked upon the coasts of the other, suels ship or vessel, and all parts thereof, and all furniture and appurtenances belonging theremnto, and all foots und merchandise saved thereliom, inchading any which may have been cast into the sen, or the proceeds thereof if sold, as well as all papers found on boarit such stranded or wrecked ship or vessel, shall be given up to the owners or their agents when claimed by them. If there are no such owners or agents on the spot, then the same shall be delivered to the liritish or liussian consul-general, consul. or vice-consul in whose district the wreck or stranding may have taken place, mon being clained by him within the period tixed by the laws of the country ; and such consuls, owners, or agents, shall pay only the expenses incurred in the preservation of the property, together with the salvage, or other expenses, which would have been prayable in the like case of a wreek of a national ressel.

The frowls and merchandise saved from the wreek shatl be exempt fromill duties of customs, tanless cleared for consumption, in whieh case they shall pay the same rate of duty as if they had been imported in a mational vessel.
In the casse either of a vessel being driven in by stress of weather, run aground, or wrecked, the respective consuls-general, consuls, viceconsuls, und consukar agents shall, if the owner or master or other agent of the owiner in not present, or is present and requires it, be authorised to interpose in order to allord the necessary assistance to their fellow-countrymen.
17. The consuls-general, comsuls, rice-consuls, and consular agents of either of the high contracting parties, residang in the dominions and possessions of the other, shanl reecive from the local authorities such assistance ns can ly law be given to them for the recovery of deserters from whipls of war or merchant vessels of their respective comutries.
18. The loninn Islands being under the protection of her Ibritnnnic Majesty, tho subjects and vessels of those lslands shall enjoy, in the dominions and possessions of his Minjesty the Eimperor of liussia, all the alvantages which are granted by the present treaty to the subjects and vessels of Great britain, ns soon as the Government of the lonian Islands shall have agreed to grant the same ree:procal advantages in those islands to Russian subjects and vessels; it being understood that, in order to prevent aboses, every lonian vessel elaiming the benelits of the present treaty shall be furnished with a patent signed by the lord high commissioner or his representative.
19. The stipulations of the present treaty shall be applicable to all vessels navigating ander the Russian Hag, without any distinetion between the Kussian Mereantile Marlue, properly so called, and that which belongs more particularly to tho Grand luchy of Finland, which forms as: integral part of the empire of Russia.

In regard to commerce and navigation in the Russian possessions on the north-west const of America, the convention coneluled at St. Petersburg on tho $\frac{16}{28}$ th of February, 1825, shall con-

## tinue in force.

20. The high contracting parties being desirous to secure, eacls within its own dominions, completo and effectual protection against fraud for the manufactures of the other, linve agreed that any piracy, or fraudulent imitation in one of the two countries of the mannfacturers' or tradesmen's marks origin:lly affixed, bonâ fide, to goods produced in the wther, in attestation of their origin and quality, shall be strictly prohibited anil repressed. lier Britannic Mnjesty engages to recommend to her parlinment to adopt such measures as may be requirell to enable her to give the more complete execution to the stipulations of this article.
21. 'The high contracting parties reserve to themselyes to determine hereafter, by a special convention, the means of reciprocally protecting eopyright in works of literature and of the line urts, within their respective dominions.
22. The present treaty of commeree and navigation shall remain in force for ten years from the date of the exchange of the ratifications; and further, until the expiratio of twelve months after either of the high contracting parties shall have given notice to the other of its intention to terminate the same; each of the high contracting parties reserving to itself the right of giving such notice to the other at the expiration of the first nine years, or at any time afterwards.

The present treaty shall be ratitied, and the ratitication shall be exchanged at London in six weeks or somner if possible.
In witness whereof the respective plenipotentiaries have signed the same, and have athixed thereto the seal of their arms.

Done at St. I'etersburg, this
12th day of
January, in the year of our Lord $\frac{1859}{1858}$ Decmber,
Jonn F. Chambton.
D'manes A. Gomrciancow.

1. The eommerefinl butercoures of Russia with the kingioms of Sweden and Norvay becing regulnted by specinl stipulations, which may herealter bo renewed, and whieh do not firm part of the regulations applicuble to ioreign commerce in general, the two high comtractinit parties, belng dessirons of removing fronn their commercial relations every kind of donbt or cause for diseussion, have ngreed that these special stipulations igranted in fiveour of the commere of Swelen and Norway, in consideration of equivalent advantupes granted in those countries to the commere of the Grand Duehy of Cinland, shall in no case apply to the relations of commerce and navigation established bet ween the two high contrncting partics by tho present treaty.
2. It is equally understood that the exemptions, immunities, and privileges lerecinafter mentioned, shall not be considered as at variance with the prineiple of reciprocity which finms the basis of the trenty of this date, that is to say:-
3. The exemption from mavigation dues during the tirst threo years, which is enjoyed ly vessels built in liussin, and belonging to Russian sub. jects:
". The permission grantel to the inhabitants of the const of the Govermment of Archaugel, t. import dinty free, or on payment of moderate dufies, into the ports of the said Government. dried or salted tish, as likevise certain kinds of furs, and to export therefrom, in the same matner, corn, rope, and cordage, pitel, and ravensluck:
4. The privilege of the Russian Amerian Company:
5. The immunities granted in Russia to eertnin English and Netherland Companies, catled 'Yacht Clubs.'
6. The present separate articles shall have the same force and validity as if they were in. serted, worl for word, in the treaty signed this day. They shall be ratitied, and the ratitieatiens thereof exchnuged at the same time.
In witness whereof dc.

## Stam.

Treaty of Friendship and Commerce beturen her Minjesty the Queen of the United Kingdom and the Kings of Siam.
Article 1. There shall henceforward be netpetual peace and friendship between her Maje.ty and her suceessors, and their Majesties the Kimza of Siam and their suceessors. All liritigh salb. jects coming to Siam shall receive from the Siamese Government full protection and nssistame to enable them to reside in Siam in all securits, and trade with every facility, free from of pression or injury on the purt of the Siamese: and all Siamese subjects going to an Enulish country shall receive from the lsritish Goverim ment the same complete protsetion and awith ance thai shall be granted to British sulbjects by the Govermment of siam.
2. The interests of all lritish subjects comin? to Siam shall be placed under the resulationat control of a consul, who will be nppointed to reside at llangkok: he will himself conform th, and will enforce the observance by British subjects of, all the provisions of this treaty, and su:h of the former treaty negotiated by Captain Buree. in 1826, as shall still remain in operation. He shall also give effect to all rules or regulations that are now or may hereafter be enacted for the government of British subjects in Siam, the cind luct of their trade, and for the prevention of violations of the laws of Siam, Any dippte
tercourse of liussia with itercompse of Norway being
den and No stipulations, which may and which do not form aplientle to toreign come two liph contracting of removing from their ery kind of donbt or cause ery keed that these special favour of tho commerce ay, in conslderation of granted in those countrics Grand Duchy of Finland, - to the relations of comatablished between the two is by tho present treaty: derstood that the exempnd privileges loreimafter c considered as at variance eciprocity which torms the this date, that is to say :com navigation dues during which is enjoyed by vessels belonging to liussian sub-
granted to the inhabitants wermment of Arehangel, to on pryment of noblerate s of the said Government. s likewise certain kiads of herefrom, in the name mancordage, pitch, and ravens-
of the Russian American
granted in Russia to elretherlamd Companies, called
separate articles shall have validity as if they were iud, in the treaty signed this ratitied, and the ratitications the same time.
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p and Commerce between her n of the United Kingdom and
shall henceforward be perendship between her Majeety and their Majesties the Kings successors. All British sulbSiam slall receive from the it full protection and assivtance eside in Siam in all security, very lacility, free from of on the part of the siamese: on the parts of to an liny lish ve from the 13ritish Govertmplete protection and asit. mplete proderitioh subjects by Siam.
of all Iritish subjects comin: laced under the regulation and laced under the regationed to $\therefore$ : he will himself conform to, he observance by british subovisions of this treaty, and surth - negotiated by Captaia lburep. still remain in operation, fect to all rules or regulations hay liereafter be cnacted for the de, and for the firerentien of de, and for the prereatien ef
laws of Siam. Any diputs
ariwint between lhitish nul siamese subjects shall be heard amd deternines by the consul, in conjunetion with the proper Siameseolleers; nud rriminal oflenees will be punished, in the case of linglish oflenders, by the consul, according to binglish lawn, and in the case of Siamese offenders, be their own laws, throngh the Simmese anthoritios. llut tho consul shall not interfero in any matters roferring solely to Siamese, neither will the Niamese authorities interfere in questions which ouly coneem the subjects of her IRritanaic Majerty.
it is understool, however, that the arnval of the lbitish consul at lanigkok shall not take place before the ratiticution of this treaty, nor until 10 vessels ownel by liritish subjects, sailiag under British colonrs and with Jritish papere, shad have entered the port of langkok for purposes of trade, subsequent to the signing of this trealy.
3. If Siamese in the employ of British subjeets oflend arninst the laws of their country, or if nuy Siamene having so offended, or deniring to desert, iake refuge with a British subject in Siam, they shall be searched for, and, upon proof of their guitt or desertion, sliall be delivered up, by the consul to the Siamese muthorities. In like manner, any British olfembers resident or tradiag in Siam, who mny denert, escape to, or hide themselves in, Siameso territory, shall be apprehended and delivered over to the lritish consul on his requisition. Chineve, not able to prove themselves to be Ibritish subjects, shanll not be consilered as such by the British consul, nor be entitled to his protection.
4. Ifritish subjects are permitted to trale freely ia all tho seaports of Sinm, but may reside permanently only at llangrok, or within the limits sssigned by this treaty. British subjects coming to reside at Jangkok may rent land, and buy of build house ${ }^{\text {, but camot purchase lands within }}$ a cireuit of 200 sen (not more than four miles Finglish) from the city walls, until they shall have lived in Siam for ten years, or shall obtain special nuthority from the Siamese (lovernment to enable them to do so. Jhit with the exception of this limitation, british residents in Sinm may at any time buy or rent houses, lands, or plantations, situated anywhere within a distance of twenty-four hours' journey from the eily of Bangkok, to be eomputed by the rate at which boats of the country can travel. In order to obtain possession of such lands or honses, it will be necessury that the IBritish subjects sliall, in the tirst place, make application through the consul to the proper Sinmese officer; and the Siamese oflicer and the consul having satistied themselves of the honest intentions of tho applicant, will assist him in settling, upon equitable terms, the anount of the purchase-money, will mark out turl tix the boundaries of the property, and will convey the same to the British purchaser under sealed deeds. Whereupon he and his property slatl be plased under the protection of the Governor of the district an! that of the particular local authorities; he shall conform, in ordinary matters, to any just direetions given him by them, and will be subject to the same taxation that is levied on Siamese subjects. lout if throngh nogligence, the want of capital, or other canse, a british subject should fail to commence the cultivation or impovenent of the lands fo aequired within a term of three years from the date of receiving possesxion thereof, the Siamese Government shall have the power of resuming the property, upon returning to the british subject the purchasemoney paid by him for the saine.
i. All l3ritush subjects intendin: to reside in simin shall be registered at the Iritish consulate. Thuy hall not go out to sea, nor proceed beyond tho limits assigned by this treaty for the residence of liritish subjects, without a passport from the Siamese authorities, to be applied for by the llritish consul; nur shall they leave Sians, if the Niameso anthorities slow to the llritish consul that legitimate objections exist to their quitting tho country. Ilat within the limits appointed under the precedinis artiele, llritis! subjects are at liberty to travel to and fro under the protection of a pass, to bo furnished them by the linitish eonsul, and connter-sealed by the proper Siamese ollleer, stating, in the Siamese claracter, thir names, calling, and description. The siamese oflleers at the Governument stations in the interior may, at nay time, eall for the production of this hass, and immediately on its being exhibited, they must allow the parties to proceed; but it will be their duty to detain those persons who, by traVelling without a pass from the consul, render themselves liable to the suspicion of their being deserters; and such detention shall bo inmmediately reported to the consul.
6. All llritish subjects visiting or residing in Siam shall be allowed the free exercise ol the Christimin religion, and liberty to build churehes ius such localities as shall be consented to by tho Sinmese nuthorities. The Siamese Goveriiment will place no restrictions uрон the emplo:ment by tho linglish of Siameso subjeets as servants, or in any other capacity. Inut wherever a Siamese subject belongs or owes service to some particular master, the servant who engages himself to a British subject without the consent of his master may bo reclamed by him; and the Siamese Govermment will not unforee an agreement between a British subject and any Sinmese in his employ; anless made with the knowledere nnd consent of tho master, who lias a right in dispose of the serviecs of the person engaged.
7. British ships of war may enter the river, and anchor at Paknam, but they shall not proceed nbove Paknam, unless with the consent of the Siamese authorities, which shall bo given wher: it is necessary that a ship shall go into dock for repairs, Any liritish ship of war conveying to Siam a pablic . .actionary necredited by her Majesty's Government to the Court of lianglcok, shall be allowed to como up to Bangkok, but ahnall not pass the forts ealled Pong Phrachamit and Pit-patch-nuck, unless expressly permitted to do so by the Sinmese Government; but in the absence of a British ship of war, the Siamese authoritics engage to furuish the consul with a force sufticient to enable him to give ellieet to his nuthority over British subjects, aud to entorce discipline among l3ritish shipping.
8. The measurement duty hitherto paid by l3ritish vessels tradiug to Bangkok under the treaty of 1826 shall be nbolished from the date of this treaty coming into operation, and British shipping and trade will thenceforth be only subject to the payment of import and export duties on the goods landed or shipped. On all artieles of import the duties shall bo 3 per cent., payable at the option of the importer, either in kind or money, calculated upon the market value of the goods. Drawback of the full amount of duty shall be allowed upon goods found unsaleable and re-exported. Should the 1 British merchant and the Custom-houso officers disagree as to the value to be set upon imported articles, such disputes shall be referrel to the consul and proper Sinasese officer, who shall each have the power to call in an equal number of merchants as assessors,
not excecding two on either side, to assist them in cominig to an epuituble decision.
Opiunn may be linported free of duty, but can only be sold to the opium farmer or his alents. In the event of no arrangement being effected with them for the sale of the opium, it shull be re-exported, and no impost or duty shall be levied thereon. Any infringement of this regnlation shall subject the opium to scizuro nod comilscation.

Articles of export from the time of production to the late of shipment shall pay one impost only, whether this be levied under the name of inlind tax, transit duty, or duty on exportation. The tax or duty to be paid on ench article of Siamese produce previous to or upon exportation, is specitled in the tarity attnched to this trenty; and it is distinctly agreed that goods or produce which pay any description of tax in the interior shall be exempted from any further payment of duty on exportation.
linglish merchants are to be allowed to purchase directly from tho produeer the articles in which they trade, and in like manner to sell their gools directly to the parties wishing to purchase the same, without the interference, in either case, of any other person.
The rates of duty laid down in the tariffattachel to this treaty are those that are now paid upon goods or produco shipped in Sinmese o: Chinese vessels or junks; and it is agreed that British whipping shall enjoy all the privileges now exercised by, or which hereafter may be granted to, Siamese or Chinese vessels or junks.
lritish subjects will be allowed to build ships in Siam, on obtaining permission to do so from the siamese authorities.

Whenever a searcity may be apprehended, of salt, rice, and tish, the Siamese Government reserve to themselves the right of prohibiting, by public proclamation, the exportation of these articles.
Bullion, or personal effeets, may be imported or exported free of charge.
9. The code of regulations appended to this treaty shall be enforeed by the consul, with the co-operation of the Siamese authorities; and they, the said authorities and consul, shall be enabled to introduce any further regulations which may be found necessary, in order to give effect to the objects of this treaty.
All tines and penalties inflicted for infraction of the provisions and regulations of this trenty shall be paid to the Siamese Governinent.
Until the Ifritish consul shall arrive at Bangkok and enter upon his functions, the consignees of lritish vessels ahall be at liberty to settle with the siamese authorities all questions relating to their trade.
ill. The British Government and its subjects will be allowed free and equal participation in any privileges that may have been, or may hereafter be ranted by the siamese Government to the govirument or subjects of any other nation.
11. After the lapse of ten ycars from the date of the ratitication of this treaty, upon the desire of cither the British or Siamese (ioverument, and on twelve months' notice given by either party, the present und such porlions of the trenty of $18: 26$ as remain minevoken by this treaty, together with the tariff and regulations heremito nmesed, or tho e that may hareafter be introducet, shall be subject to revision by commissioncrs appointel on both sides for this purpose, who will be empowered to decide on and insert therein such amendments as experience shall prove to be desirable.
The ratitications were exchanged at Bangkok un April 5, 1856.

General Regulations nurler which IBrifish Trate is to be conducted in Siam.

1. Tho master of every lingliwh mhip coming to 13nugkok to trale, must, either before or ufter entering the river, as may be found convenient, report the arrival of his vessel at the custum-house at Paknam, turether with the number of his crew and guns, and the pritt from whence he cones. Upon anchoring his vessel at l'aknam, he will deliver into the custody of the custon-house ollcers all his cuns and namunition : and a customhouse ollicer will then bo nppointed to the vessel, and will proceed in her to Hlangkok.
2. A vessel passing Paknam without diselarging her guns nud ammunition as directed in the foregoing regulation, will be sent buck to Paknam to comply with its provisions, and will be tined 800 ticals for haviog so disobeyed. After delivery of her guns and ammunition sho will be permitted to return to Bangkok to trade.
3. When a lritish vessel shall have rast anchur at laugkok, the master, unless a Sunday shoild intervene, will, within four-nuel-twenty hours after arrival, proceed to the British consulinte, and deposit there bis ship's papers, bills of lading de., together with a true manifest of his import cargo; and njon the consul's reporting these particulars to the eustom-house, permission to break bulk will nt once be given by the latter.
For neglecting so to report his arrival, or for presenting a false manifest, the master will subject himself, in each instance, to a penalty of to0 tienls; but he will be a:lowed to correct, within twelly: four hours after delivery of it to the consul, aiy mistuke he may discover in his manifest, withoit incurring the above mentionel penalty.
4. A British vessel breaking bulk, and commenciur to discharge before due permission shall be obtained, or smuggling either when in the river or outside the Lar, shall be subject to the penalty of 800 ticals, and contiscation of the goods so smuggled or discharged.
5. As suon as a British vessel shall have discharged her cargo, and completed her outward lading, paid all her duties, and delivered a true manifest of her outward cargo to the llitish consul, a Siamese port-clearance shall be granted her on application from the consul, who, in the absence of any legal impediment to her departure, will then return to the muster his ship's papes. and allow the vessel to leave. A custom-hinase otlicer will accompany the vessel to Pakuam, and on arriving there sho will be inspected by the custom-house oflicers of that station, and will receive from them the guns and ammuniticn previously delivered into their charge.

## Tariff of Export and Inland Duties to be leviedon Articles of Trade.

I. The undermentioned articles shall be entirt! free from inland or other taxes, on producton it transit, and shall pay export daties as fullows.-

| 1. Ivory - | $\begin{gathered} \text { Tical } \\ -10 \end{gathered}$ |  | $\underset{i}{\text { Fuang }}$ | Jlut 0) per farlt |
| :---: | :---: | :---: | :---: | :---: |
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| 4. Cardamums, hest | - 11 | 0 | 0 | 1 |
| 3. bastard | - 6 | 0 | 0 | 0 |
| 6. Fried mus cls | - 1 | $1)$ | 0 | 10 |
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| 7. 11 rel nut, drieal | - 1 | 13 | 0 | 0 |
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ter which British Trute is ueted in Siam.
ary Finglish ship coming to sst, cither before or ulter may be found convanient, a vessel at the custom-house ith the number of his erew rt from whence be comes. exsel at Praknam, he will :ody of the custom-house anmunition : and a custombe appointed to the ressel, r to baugkok.
Paknam without dischargmunition as directed in the will be sent back to l'aknam rovisions, and will be tined o disobeyed. After dclivery nition she will be permitted to trade.
ressel shall have cast anchor tessel unless a Sundiny should four-nud-twenty hours after e British consulate, and de$t$ papers, bills of lading de., manifest of bis import cargo; s reporting these particulars e, permission to brcak bulk by the latter.
to report his arrival, or for mifest, the master will subject nee, to a penalty of 400 tieals; ed to correct, within tweutyivery of it to the consul, any :over in his minifest, without mentioned penalty.
sel breaking bulk, and com. e before due permission shal erling either when in the river hiall be subject to the peralty contiseation of the goads so rged.
Kritish vessel shall have disand completed her outward duties, and delivered a true atward cargo to the liritish ort-clearance slasll be grantel from the consul, who, in the imperliment to her departure, the muster his ship's papets. cl to leave. A custom-huuse iny the vessel to Paknam, and bhe will be inspected by the ers of that station, and will the guns and ammuniticu yeto their charge.
ad Inlund Duties to be leviedor ticles of Trade,
tioned articles shall be entirt:" other taxes, on production ir ay export duties as follors.-



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the crews of our Imperial ships, or others, both by nea and lind.
5. Theinfe come into the ports and harbours of onr clominwnt, they shall and may be at liberty to purchase at their plensure, with their own nomey, provisions and all other necessary articles, and to provide themaclves with wuter, withont interrupthon ar himelrance from anyone.
6. If any of their ships be wrecked upon any of the conats of our dominions, nll bes's, cadis, governors, eummantants, and others our servante, who may be near or fresent, shall give them all help, protection, and assistance, and restore to them whatsoever koods and diects may bo driven ashore; and in the event of any plander Leing committed they sland make diligent search and enquiry to tinit out the property, which, when recoverril, shall he wholly restored by them.
7. The merchants, interpreters, bankers, and others of the said nation, shall and may, both by sea and land, come into our dominions, and there trade with the most perfect security ; and ln coming and going, neliber they nor their attendants slabil receive any tho least obstruction, molestation, or injury, either in their persons or property, from the leys, cadis, sen captains, soldiers, and others our slaves.
17. Our ships and galleys, and all other vessels, which may fiall in with iny liuglish ships in the scas of oiv dominhons, slinll not five them any molestation, nor detain them by demanding anvthing, but shail show good and mutual friendshij the one to the other, without occasioning them any projudice.
19. If the corairs or falliots of the Tavant be found to have taken niny linirlish vesscls, or roblucd or plundered them of their roods and eflects, also if anyone shall lave foreibly taken anything from the Engrlish, all possible diligence and excrtion shall be used and employed for the discovery of the property, and intheting condigr punisliment on those who may liavo committed suel! depredations; and their ships, goods, and effects slatl be restored to them without delay or intrigue.
21. Duties shall not be demanded or taken of the English or of the merelants sailing under the tlag of that nation, on any piastres and sequins they may import into our sucred dominions, or on those they may transport to any other place.
36. linglish uterchants, and all others sailing under their flag, may freely and unrestrictedly; trade and purchase all sorts of merchandise (prohibited commodities alone excepted), and convey them, either by lnud or sea, or by the way of the river 'I'anais, to the countries of Muscovy or linssia, and bring back thence other merchandise into our sacred dominions, for the purposes of traffic, and also transport others to Persia and other conquered countries.
38. Should the ships bound for Constantinople be forced by contrary winds to put into Caffa, or any other place of those parts, and not be disposed to buy or sell auything, no one shall presume forcibly to take out or scize any part of their merchandise, or give to the ships or crews any molestation, or obstruct the vessels that are bound to these ports.
10. On their shijs arriving at any port, and landing their goods, they may, after haviner paid their cluties, safely and seenrely depart, without experiencing any molestation.
41. Eughish ships bound to Constantinople, Alexambrin, Tripoli of Syrin, Scanderoon, or other ports of our satered dominions, shatl in future be bound to pay duties, according to custom, on such goods only as they shall, of their own frce
will, lamd with a view to male; ame for nuch mare
 te demanded, beither shall the least molestation or himidame be given to them.
d. Fuglinlı aml other merehants navigating under their thage, who trude tu Aleppo, shall pay stell daties on the silks, bronght and laten by them on board their ships, as are paid by the J'rench and Venetinns, and not one asper more.
bi.) The Imperial tleet, falleys, and other veswels, depurting from our sacred dominions, nud falling In wish limelish ships at sea, slunll in to wist molest or detain them, nor take tron them anything whatsoever. Einglish whips shall no lunger de liahbe to any further memrel, of exaction at sea, mader colour of seareh or examination.
70. English ships coming to the ports af Constantinople, Alexameria, smyraa, c'ypus, and - there ports of bur macred elominions, shinl pay 300 aspers fir noblomage daty; without an alsper more being denanded ol' them.

7!. No molestation shall lie given fo any of the aforesaid nation haying cambets, mohairs, or prograin yaru, at Angora abil Ibeghbazar, and derirons of expurting the name from thenes, atter having paid the daty of is per eent., liy any dew manal of rustoms for the exportation thereof, meither shall one avper more be demanded of them.
Bi. That it being represented to us that linglish murchants have becon necostomiol hitherto to prex no custom or senle duty, cither on the silks bought by them at Jrussa mbe Constantinople or on those which come from l'ersianal Georgin, :ond are purehased by them at smyrna from the Armenians; if such usare or custom really exists, and the same be not prejulicial to the empire, such duty shall not be painl in future.
(N.13.-These capitulatione may he found entire in Mertslet's Treuties: nal in Chitty's Com-


Tiraty betareen (ircac Britain and the SinblianI'orte, concluded at the' Dardunelles, the 5th of January, 1809.
Aricie 1. From las moment of signing the preselit treaty, every act of hostility between Empland and 'lurkey whatl cease.
6. In return for the indingence and good treatment athorded by the sublime l'orte to English merchants, with respeet to their goods and promprerty as well as in all matters teuding to facilitate their commeree, lingland shall reciprocally estend every indalgeace and friendly treatment to the thags, subjects, aud merchants of the sublime l'orte, which may hereater frequent the dominions ot his Britannic Mnjesty for the purpose of commerce.

The last Custom-louse tariff established at Constantinople, at the ancient rate of 3 per cent. and particolarly the article relating to the interior commerer, shall continne to be observed, as they are at present regulated, and to which Eurlabid promises to conform.

Jurnish patents of protection shall mot be granted to dependents, or merchants who are subjects of the Sublime I'orte, nor shall any passport be delivered to such persums, on the part of nmbassaldors or consals, withont permission freviously obtained from the Subtime I'orte.

Wone near the Castles of the Dardmelles, the Sth of Jamary, 1809 , whieh corresponds with the year of the Ilegirn $1: 23$, the $10 t h$ day of the moon Zilkaale.

Lionery Ababi.

Trruty of Comancre and Napipatina beturen her Shajesty and the Sultun. Siqued at Kanliljo, Ifiril 29, 1861. Ihitifirations exchunged ut ('onstantianjle, July 9, 1861.
Article 1. All rightis, prlvileges, nud immunlties which lanve been conferred on the subjects or mips of Cirent liritaia by the exlsting rapitalations and traties, are rontlmed now and lor (vir, with the exception of thone clanses of the raid enpltulatlons which it is the object of the preseat treaty to molify: and it is morcover expressly stlpulated, that all rigiats, privilagres, or immanities white the Sublime lorte now grames or may hereafter grant to, or mafler to be enjoyed hy, the subjects, shifus, commerce, or naviration of nuy other forefin Power, shall bo eymully granted to, and exereined and enjoyed by, the subjerets, shipus, commeree, mal mavichilon of (irint Iritnin.
y. The subjects of her Jritnunle Mnjesty: or their arents, shall he permitted to purchase, at all places in the Ottoman dominions and possessions (whether for the purposes of internal trade or al exportation all articles. without any exceptlon whatsoever, the prothee on monnfacture of the anid dominions and posses. sions; and the Sublimu iorte laving, In virtue of the second Article of the convention of commeres of Aurast $16,18: 38$, furmally cniraped to nbolish all monopolies of agrieultural prosince or of may other articles whatsuever, as well as all permits (feskeres) from the local goveriors, either for the purchase of' any article, or for its removal from one place to another, when purchased, any attemp to comprel the subjects of her Inritanie Majesty: to reve such permits from the lecal governors shall be considered as an iufraction of theaties, and the sublime lorte slanll immediately punish with severity any viziers or other ollicers whe shall have beco puilty of such misconduct, and whill remer full justice to ilritish subjects fur all injuries or losses which they may duly prove themselves to have suffered thereby.
3. It any articte of Turkish prodace or manufacturo be purchased by British merchants or their ngents, for the purpose of selling the same tur intermal consumption in 'lurker, the said IIritish merchants or their arents shall pay; at the purchase and sale of such articles, and bit ons manner of trade therejn, the same duties that are mid in similar cireumstances by the most favonred elass of Ot toman subjects, or of forcigners engnged in the internal trnde of Turkey.
4. No uther or higher duties or charges shall be imposed in the dominions and possessions of wither of the contracting parties, on the exgortation of any article to the dominions and possessions of the other, than such as are or may be jayable on the exportation of the like artide In any other fureign conntry; nor shall any prohibition be impuad on the exportation of my article from the dominions and possessions of either of the two contracting parties to the dominions and possessions of the other, which shall bot equally extend to the expertation of the like article tir any other comery.

No charge or duty whatsoever will be demanded (Huny articie of 'Tiurkish produce or manufacture purchised by Iritish subjects or their agents. cither at the place where such article is purebsed. or in its transit trom that place to the phace whener it is exported, ut which it will be sulject to an export duty not exceeding eight per cent. calculated on the value at the place of shipment, and payable on exportation; nud all articles whidh shall once have paid this duty shall not again be

## avyation betwer" her

 Sigmed at Kimlialja, ©1.deges, nud immunlties d on the aubjects or tho exlsting cupituonllmed now mind for - thome clauses of the? $t$ is tha ohject of the ; mind lt la moreover ill righats, privilegres, or lime porte now gramts or subler to be elijoyed mmerce, or muvigation mmerce, iver, shall bo eppully 1 and enjoyed by, the and mavigatlon of (itent
er Iritnmie Majestr, bo permitted to pristhe Ottomall dominions $r$ for the purposes of portntion) nll articles, dominions and jossesarte having, in virtue of convention of commeter ally encrused to nbolith Iturnl produce or of any $r$, as well as anl permits goverions, cither for the , or for its removal from enparchased, any attemp of her Iritannic Majest! from the local grovernors an infraction of tieaties, shatl immedintely punish ers or other otlieers who of such misconduct, and to 13ritish subjects for all di they may duly prore iered thereby.
Turkish priduce or manuby British merelunts of irpose of selling the samse tiou in 'Turkey, the said their urents shall juy, ut of such articles, and in any $n$, the sane duties that nre nstances by the unost filin subjects, or of fureigners 1 tride of 'Turkey.
er cluties or charmes shall lominions and possessions racting parties, on the exicle to the dominions and er, than sueh as are or way portution of the like articfe country; nor shall any proon the exportation of any ainions and possessions in contracting parties to the ssions of the other, which tend to the expurtation of - other comintry.
whatsoever will be demanded kish produce or manufactare in subjects or their agents, pere such article is purchnsed. hat place to the phace whence eding will be subject for an cding eight per celit. calcu-
the place of shipment, nul ion ; and all articles whids this duty shall not again be
liable to the samn diaty, however they may linve chnuged hasis, within any part of the Utioman dominions.

It is furthemore agreed that the duty of eight per cent. above mentioned will be numally rodued by one (1) per cent., witil it shall ber in this manner llandy redined to a tixed duty of one (1) juer rent. ad valorem, testined to cover the⺊eneral expensen of niminist ration and comtrol.
f. No other of higher thaties shanl be imposed on the importation linto the dominions anil possessions of lier Britamio Mijesty, of auy article the produce or manufacturo of the dominions and possessions of his Imperial Mnjesty the Sultan, from whatever place arriving, whether ly sea or by land, and no other or higher ilules whall be imposed on the importation into the dominions and posseasions of his Imperial Majesty, of any article the produce or manufncture of her Britannic Majesty's dominions and possegsions, from whatever place arriving, than aro or may be payable on the like article tho produce or mannfacture of any other forelgn country ; nor shall any prohibition be maintained or imposed on the importation of any articlo the produce or mannfacture of tho dominions and pormossions of either of the contracting parties into the tominions and possessions of the other, which shall not equally extend to the importation af tha like articles being the produce or mannfacture of any other country.
Ilis Imperial Majesty further engrges that, wave as hereinafter excepted, he will unt prohibit the importation into his dominions anil possessions of any artielo the produce or manuliseture of the domitions and possesslons of her lBritannic Majesty, from whatever place arriving ; and that tho duties to be imposed on any article the produce or manufacture of tho dominions or possessions of her lbritunnic Majesty imported into the duminions or possessions of his Imperial Majesty, shall in no ense exceed one fixed rate of eight ( 8 ) per cent. ad valorem, or a specific dinty, tixed by common assent, equivalent thereto.

Suel rate shall be calculated upon the value of such urticles at the wharf, and shall he payable at the time of their being landed, if brought by sea. "it at the first custom-house they may reach, if brought by land.
If these articles, after having paid the import duty of eight (8) per cent., are sold cither nt the place of their arrival or in the interior of the country, neither the buyer nor the seller slumll be dharged with any further duty in respect to them; mul if such articles should bot be sold for consumption in Turkey, lint should be re-exported within the space of six months, the same shat le cunsidered ns merchandise in transit. by land, and be trented as is stated in Articlo XII.; the administration of the customs being bound io lesture at the time of their re-exportation to the merchant, who shall be required to furnish proot that the goods in question have paid the import duty of eight (8) per cent., the titlerence betwern that duty and the duty levied on goods in transit by land, as set forth in the Article above cited.
6. It is understood that any article the produce or manufneture of a foreign conntry, intended fir importation into the united prineipalities of Muldo-Wallachia, or into the principality of Survia, which shall pass through any other part of the Ottoman dominions, will not be liable to the payment of customs duty until it reaches those principalities; and on the other hamd, that any article of foreign produce or manulacture passing through those principalitios, but destined for some other part of tho Ottoman dominions.
will not lo liable to the payment of customstuty until such article reaches the tirst enalon:-lonme umber tho direct ulminintration of the Sublinw Borto.

Thin smine conrse ahall he followed with reapeet tomy article the prodace or manafincture of thon: principalitles, as well as with respect to any article tho produce or manufacture of any other portion of the Ottoman dominions, Intended for ax. portation: such articles will he linble to the pryment of customs ditles, the former to the enstom-house of the nforesaid principalitios, and the later to the Ottomat enstom-house, the object being, that neither import nor export iluties ahall in any caso be payable mere than once.
I. The minjects of one of the contraeting parties slinll enjoy, in tho thominions and possessnions of the other, equality of treatment with untive suljects in regard to warehousing, and nlso lin regard to bounties, facilities, and drawbacks.
8. All artieles which are ar may be legally importable into the dominions and possessionis of lee Iritannic Majesty, in I3ritish vessels, may likewise bo imported in Ottoman wasels without being liablo to any ather or higher duties. or charges, of whatever denomination, than it such articles wero imported in 13ritish vessels: nad reciprocally, all articles which aro or may be legally importable into the dominions and possessions of his Imperlal Majesty the Sultan in Ottomnn ressels, may likewlse be imported in British vessels, withont being liable to any other or ligher duties or charges, of whatever denomination, than if such articles were imported in Ottoman vessels. Such reciprocal equality ol treatment shall take effeet without distinction, whether such articles come directly from the place. of origin or from any other contitry.

In the same manner, there shall be perfect equality of treatment in regard to exportation, si, that the same export dities shall be paid, and the same bounties and drawbacks allowed, in the dominions and possessions of elther uf the contracting parties, on the exportation of any artiche which is or inay be legally exportable therefrom, whether such exportation shall take place in Ottoman or in Mritisli vessds, nud whatever may be the place of destimation, whether $n$ prort if either of the contracting parties or of muy thind power.
!. No luties of tomage, liarbone, pilotage, lighthouse, yuarantine, or other similar or conresponding daties, of whatever mature, or muder whatever denomination, levied in the mame or for the protit of Government, public fumetionaries, privnte individuals, comporations, or establishments of any kind, shall be imposed in the ports of the dominions and possessions of either conintry upon the vessels of tho other country, which shall not egually and under the smme conditions the imposed in the like eases on mational vessels in reneral. Such equality of treatment slaill apply reciprocally to the respective vessels, from whatcever port or phace they may arrive, mad whaterer may be their place of destination.
10. Alt vessels which accordiner to Pritioh law nre to be deemed liritish vessels, and all ressels which accordiag to Ottoman law me to be dremed Othoman vessels, shatl for the purposes of this traty he deemed Jritish and Ottoman vessels resuectively.

1t. No charge whatsoever shall be made upon liritish goods being the produce or manulacture if the Jritish dominions or possessions, whether in British or other ships, nor upon any groods tho probuce or manufacture of any other foreifir country carrie: in British ships, when the same

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 thenator tason, and engoy tho mame righta, priviloges, anil immanilies as liorigu sulyoris dealing ingomin, the produco or mamaliadure of their usn country.

IJ. An יxpoplion lo tho mipulations laid down in the tifile artiole whall lew malo in remaril ta


 her lbitamile Majenty nre permitted to lomport inta the (Htomant slominions.

Itritiall subjects, however, ur their agrobs, husing or selliag tohacen or mall for romsmapition


 artioles atoresalial: and lurflormore, an a momgensation for the pohibition of tho two articiles alrove mentioned, no daty whatnorer slatl in fiture be levied on those arlices when exportod from 'lurhey by the sulbeets of her Britanolie Majasor.
Ihritish smbigects whall, nevertheloses, he limbind to leghare the quantity ol tobaceo and salt. thas -xported, to the proper enstoth-hama atathoritions, who shall, as heretolore, have the rixile. Watiol wer the export of these atiden, wibhout thereby being entibled to levy any tax thereon on any pre:tence whatsonver.
15. It is understood betwen the iwo high confracting parties, that the Sublimu l'orte reswrees to itsedf the laculty and right of insuins a gebleral prohibition arainat the inportation into the Ottoman dominions of gunpowder, commotn, groms of war, or military stores; but surl prohibitum will not come into operation matil it shall lame Iren othecally notilied, and will aply only to the artieles mentioned in the decrere ematinis the probibitions. Any of these artiolos whish have thet beenso speceitically prohibiteal, shatl, on being imported into the Otioman dominions, be subject



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Imt. It mhall loot be molli liy milyjeefa of hor Iralannife Majoaty in quandinion exareding tho







 fiovernment, 10 which the paribes interemal whald lave uroess umber due rogntations.

Fiowling piovers, fistuls, ane ormamental or
 pumiler for sportiag, reserviel for private uner, shall
 urticlo.

 tho Ihosporis, nhall always loe dolivereal in wirla
 prasxilale alilay.
17. 'Iha righains of Iritish merchant-vessels, with fromes oll lomral destined for the fotionam empire, shatl the ohliged, finmerliataly on thait urrival al the prot lo which they ure loming, to drpomit in the coston-lonse of tho sadil port a Iruit copy af ilheir untifient.
18. Cimitaluma goome will bo liable to eonfis-

 thiml, gas som the the mail goomen are meized by the andboritios, bu drawn ap ntul commmianted to the comsalar anthority of the fureign sibliject to

 moless the fromal with regaral to them shall be duly mud logally proved.

I!!. All morehmmise, the prodnce or manufacture of tha ()etoman dominions nud posserssions, imported info the dominions and possensions of let Britannio Majeaty, whall bo treated in the amme manner as the like: morelantive the protnce or manufacture of the most fivoured nation.

All righis, privileges, or immmities which are now or may hereafter low grantend to, or sulfired to be enjosedi by, the sulyjeets, ships, comberen, or navifntion of any loretifn l'ower in the Iritish dominions or joaseresions, shatl be equally hranted lo, and cxercised mad enjoyed by, the nulijects, Ahips, commerce, and mavigation of the Ottoman lorte.
20. The present trealy, when ratifled, shall be nulnstinted for the convention concluded letween tho two high contracting partice on the lith of Angrast, $18: 38$, and shall remain in force lor twant:cighit years from the day of the exchange of the ratifications; rach of the hifflementracting parties beins, however, at liberty to give to the other, al the emel of lourteen vears (that time heing lixed, as the provisions of this treaty will then have come into full lioree), nolice for its revision, or fir its determimation at the expiration of a year fros the date of that notice, and so mgain at the end of twenty-one yerrs.

The present trenty shall receive its execution in all and every one of the provinces of the Oummat empire, that is to sny, in all the possessions of his Imperial Majesty tho Sultan situated in Europe

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lal by milojerela of her mblitios "xiceding the li.. loend ragulations. or a latge quantily uf' $^{\prime}$ Htomini fort on lonita I shatl bee buchoural at a priguatoil ly the lowal puigwaler shail therow he pecthon of aurl mullow places dresigandiol by ther - parilea linterented shali gulal lons.
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aty, when ratified, slanll be rention concluded between ug purties on the lioth of 1 remain in force lor twentylay of the exchange of the he high contracting parties erty 10 give to the oflier, at mrs (that time being fixed, his treaty will lhen hare hotice for its revision, of firt be expiration of a year from , and so ugain at the end of
hall receive its exceution in te provinces of the Otsoman in all the possessions of his Sultan situated in Lurope
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 lained in the stipulations at the proselol trats:
2l. It is nlonsy umboratusel that lior Itritannio
 the prement trongs, to atipulato fir niore than the




 the privileges mororidel by andent trontios, or lis
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ses, 'I'he high condructing partios have ngreal to appoint, Juinlly, e:omminsinumers fir tho metthe mint af a lurill of rustom-lowner dutions to be levinal is conformily wilh therestipulations af ollo








 liminian or to any other combley.
 in forme daring neven yours, lating from tha first
 sixty ollu:
Fincla the contracling purties whall liave the right, a yan luctive the expiration of that term,
 the werenth veite, miller the ome nor the wher of the constratime bartios shall nvail insedi of lhis right, the tarill then pxisting shall eontinus: fo have the firces of law for seven more yons, lating from the day of the expiration of the serven proefoling years; and the same shatl les the case with rexpert to every succesaive proviol of saver sears.
23. 'The present tremty aball be ratified, mut ther ratifications shall be rxehanger at. Lonafaminaple in two calemar monthe, or momor if penvible, ind shall he carried into execution from the tirat of 0atober, one thenanad vight humbral and sixtyone.
Done at Kanlilja, on the twenty-nintla lay of April, one thonsamd eight hundroiland nixty-oue. Henity J. Humwert. Anis.

## United States.

Gonrention of Commerce brfuren Great Britain and the United Stutes of Amrrian. Sigued at Loudon, the 'Irrl of July, 181i.
Artiele 1. There slialt be between all the territories of his Ilritanuic Majesty in liurope, and the lefritories of the United Siates, a reciprocal libery of commerce. The inhabitants of the two conntrises respectively shall have liberty frecly und sucurcly to come with their ships and cargoes to all mash places, ports, and rivers in the territuries aforesnid, to which other foreigners are permitted to come, to enter into the anme, and to remain abd reside in any part of the said territories respectively; and also to hire and oceupy houses and warehouses for the purpose of their commerce; and generally the merchatats and traders of cach nation respec-
tively minll cupy the nust rompleto protectiont

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 mations.
 impuaded ill iny of the prorts of the lloitod States



 Ilan slath be pmyable in the same ports on Itritishi visurila.
'Ithe samm dutios shanll be paid on the ingmerta-
 growth, gronlore, or manufuetare of his lhitamic Majospy's teriforios in liurope, whether such inspurtation slanll be in the vessels of the Inited States, or in Itritish vessela; and the same dithos whall be palit on the importation into llog prita "f' any of his liriamnie Mnjesty's territoria's "I $^{\prime \prime}$ linropie of any arliclew, the growth, prothere, or mannficelure: of the Jnited Siates, whether math imporadion shatl be in llritials vesads, or ia vissels of the United States.

The wame datien slanll be puid, and the amme homitien allowerl, on tho exporation of any arti"les, the growth, prothee, or manufinelure of his IIriamic: Mnjenty's territories in linrope, to thas Uhitel states, whelber mach expertation whall be
 sels; and the same dutien shall le puid, nad the amace bonnties nllowed, on the expartation of any uried's, the prowilh, protuce, or manufacture of the United States, to his Itritannic Maje-ty'e territories in limrupe, whether such exportation shall he in Ihitish vessels, or in vessels of the Unitul States.
It is further agrecd, that in all easen where Irawhack are ar may be allowed upon the re-exportalion of any goula, the growih, prebluce, or manmincture of eifher comstry respertively, the: mmonnt of the wail ilrawbacks aliall be the nume, Whether the sail gooda shall have been orivimally imperted in in Ifitish or American vessel; but When such re-rxporiation slall take place from the linited Stater in a llitish vessel, or from the territories of his Itriannic Majesty in Einrope in nu American vesed, to nny other foreign nation, the (wo eonarneting parties reserve to themalves, reapeetively, the right of regulating or dimanishting, in such ease, the amennt of the said drawback.

The intercourse between the United States and his Britannic Majesty's possessions in the West Indies, and on the continent of North America, whall not he affected by any of tho provisions of this article, but cach purty shall remain in the complete possession of its rights with respect to such an intercourse.
3. Ilis Britannic Majesty agrees that the vessels of une United States of America shall be almitted and hospitalbly recifed at the principal settlements oi the British dominions in the bast Indiea, viz. Culcutta, Mudras, Bombay, and Prince of' W'ales' Island, and that the citizens of the said Cuited states may freely carry on trade hetween the said principal settlements and the said United Staces, in all articles of which the importation and exportation respectively, to and from the said ierritories, shall not be entirely prohibited; provided only, that it shall not be lawful for them, in any tume ol war between the British Government anil any state or power whatever, to export from the said territories, withent the special permission of the British Government, any military stores, or neval stores, or rice. The eitizens of the United States shall pay for their vessels, when alluitterl, no higher or other thity or charge than shall be payalile on the vessels of the mest favoured buropeais nations, and they sliall pay no higher or other duties or charges on the importation or exportation of the cargoes of the said vessels, than shall be payable on the same arricles when imported oi exported in the vessels of the most tavoured European nations.
liut it is expressly agreed, that the vessels of the United States shall not carry any articles from the said principal settlements to any port or Hace, except to some port or place in the United States of America, where the same shall be unlaten.

It is also understood, that the permission granted by this article is not to extend to allow the ressels of the United states to carry on any part of the consting trate of the said British territories; but the vessels of the United States, having in the tirst instance proceeded to one of the said principal settlements of the Jritish dominions in the bast Indies, and then going with their original cargoes, or any part thereof, from une of the sidid prineipal settlements to another, shall not be considered as carrying on the coasting trade. The vessels of the United States may also touch for refreshments, but not for commeree, in the course of their voyage to or from the liritish territories in India, or to or from the dominions of the limperor of China, at the Cape of Good IIope, the jsland of St. IIelena, or such other places as may be in the possession of Great ?ritain, in the African or Indian seas; it being well understood, that in all that regards this erticle, the citizens of the United States shall be sulyject in all respects to the laws and regulations of the British Government from time to time established.
-1. It shall be free for each of the two contractind parties respecively to appoint consuls, for the protection of trade, to reside in the dominions and territories of the ether party; but before any consul shatl act as such, the shall in the nsuat form br approved and admitted by the Government to which he is sent: and it is herehy de lared, that in case of illegal and improper conduct towards the laws or tiovernment of the country to which he is sent, such consul may either be punished according to law, if the laws will reach the case, ur be sent back, the offendel Government assiguing to the other the reasons for the same.

It is hereby declared, that either of the con-
tracting barties may except from the residence of cunsuls such particular places as such party shal
jadge fit to be so excented. jadge fit to be so excepted.
5. ' l his convention, when tho same shalt have been duly ratitied by his lzritannit: Majesty and tye the President of tho United States, liy and with the advice and consent of their Senate, and the respective ratifications mutnally exchanferl, shall be binding and obligntory ohi his Majesty and on the said United States for 4 years Irom the date of its simnature; and the ritithentions shall be exchnnged in 6 months from this time, or sooner if possible.

Done at Lomdon, the 3rd of July, 1815.
Fued, J. Rominsos. llenay Goubuche. Whinism Alsins.
Jomin Q. Alrams.
11. Clay.

Alhefit Gaidatin.
This convention was subsequently prolongel by conventions for that purpose in 1818 and $18: 2$
Convention betucent Great Britain and the Iinited States of America. Signcil at London, October 20, 1818.
Artick 1. Whereas differences have arisell re. specting the libeaty claimed by the l'nited states for the inhabitants thereof, to take, elry, aul cure tish, on certain coasts, bays, harbours. and crecks, of his Isritannic Majesty's dominions in America, it is agreed between the high contracting parties, that the iubabitants of the said United States shall have for ever, in common with the subject: of lis Britannic Majesty, the liberty to take tish of every kind on that part of the const of Newfoundland which extends from Cape Ray to the lamean Islands, on the western and northern coasts of Newfoundland, from the said Cape Ray to the Quirpon Islinds, on the shores of the Magdakn Islands, and also on the coasts, bays, harbours and crecks, from Mount Joly, on the southern coast of Labrador, to and through the Straite of Belleisle, and theuce northwardly indetinitel? along the coast, without prejulice, however, io any of the exchosive rights of the lludson bay Company : and that the American fishermen shaill also have liberty, for ever, to dry and cure tisit in any of the unsettled bays, harbours, and ereeks of the southern part of the coast of Newfoumiland, and of the coast of Labrador; but so sonn ns the same, or any portion thereof, shall be settled, it shall not be lawful for the said fishermen to dry or cure fish, withont previons ayreement for sued purpose with the inhabitants, proprictors, or possessors of the ground. And the United States hereby renounce for ever any liberty heretufure enjoyed or claimed by the inhabitants thereof to take, dry, or cure tish on or win hin 3 marine miles of any of the coasts, bays, crecks, or harbonts of his liriannic Majesty's dominions in Ameria. not included within the above-mentimed limits: jrovided, however, that the American fishemen shall be admitted to enter such bays on hathuss for the jurpose of shelter and of repairing damages therein, of purchasing wood, and of ohtaining water, and tor no other purpose whatever bat they shal: be under s it restrictions as mar le necessary toprevent their taking, drying, or curige tish therein, or in any other manner abusing the privileges hereby reserved to them.
2. It is agreed that a lime cirawn from the most north-western point of the Lake of the Wowts, along the 49th parallel of north latisude, or if the said point shall not be in the 49th paraliel of nuth latitude, then that a line drawn from the sid point due north or sonth, as the case may le, uitil
xeept from the residence of xecpt flaces as such party slatil pel. when the same shall thave his IBritannic: Majesty and the Unitud states, by and consent of their Semate, and ations mutaally exchanged. a obligatory on his Majenty ded States for +t yenrs froin ture; and the ratitleations 6 montlis from this time, or
e 3 rd of July, 1815.
Fumb it homssos.
Hexir Goelbebs.
IVhinam Abdis.
domen Q. Abams.
II. Cleav.

Mbaght Galatin. vas subsequently prolonge nat purpose in 1818 and lost.
reat Britain and the tinited - Signed at London, Oitobor
$s$ differences bave arisen to elnimed by the Trited states liereof, to take, dry, ind cure s, brys, harbours. and ereeks, jesty $y^{\wedge}$ s dominions in Amerien, the high contracting partios s of the said United States in common with the subject esty; the liberty to take lish of art of the const of Newfoumd. from Cape liay to the liamean stern and uorthern eoasts of n the said Cape liay to the the shores of the Nagdalen in the consts, buy 4 , lurbours, Mount Joly, on the soutlivitu to and through the Straite of nee nortliwardly indetinitely ithont prejudice, however, to ve rights of the IIndson liay $t$ the American fishermen shalh or ever, to dry and c'ure tindin I bays, harbours, nnd creeks of of the const of New fotathand, Iabrador; but so soon as the on thereof, shall be settled, it for the snid fishermen to dry at previous agreement for such nliabitants, proprictors, or fos und. And the United States unt. And ther any liberty heretufore by the infiabitants thereof th ish on or within 3 marine miles is, bays, creeks, or harbous ${ }^{\circ}$ pesty"s dorvinions in America on the above-mentioned linats , that the Americall bisbmea to enter such bays on harbots shelter and of repairing damases asing wood, and of ohtainin, o other purgose whatever; but her s restrictions as mạ! it their taking, drying, or curing any other manner abusing the reserved to them.
lhat a lime drawn from the mot inat of the Jake of the Wemba, rallel of north latiande, or if the it be in the 49 th parallel of norb at a line drawn from the sid r south, as the ease may be, uitil
the said line shall intersect the said parallel of north latitude, and from the point of anch intersection the west along and with the sald parallel, shall be the line of demareation between the territories of the United States and those of his Britamic Majesty, and that the said line shall firm the northern boumary of the said territorios if the United States, and the sonthern bommary of the territories of his IBritanuic Majesty, from the Lake of the Woods to the Stony Momitains.
3. It is agreed that any country that may be elaimed by either party on the north-west const of America, westward of the Stony Momitains, whall, together with its harbours, bays, and ereeks, and the navigation of all rivers within the same, le free and open, for the term of 10 years from the date of the sigmature of the present convention, to the vessels, citizens, and subjects of the two lowers: it being well understool that this agreement is not to lee construed to tho prejudice of any chaim which either of the two high contraeting partics may have to any part of the said comatry, ner shall it he taken to affect the claims of miy other l'ower or State to any part of the sail country, the only object of the high contracting parties, in that respect, being to prevent disputes ann differences among themselves.
f. All the provisions of the convention to 'regrulate the commeree between the territories of the United States and of his Britmmic Majesty, enncluded nt Loulon,' on July 3, in the yar of onr Lord 1815, with the exception of the clause which limited its duration to 4 years, and excepting also, so far as the same was atleeted by the decharation of his Majesty, respecting the island of st. Ildena, are hereby extended and contimed in fore for the term of 10 years from the tate of the signature of the present convention, in the same manner as if all the provisions of the said cunvention were herein specially recitel.
i. Whereas it was agreed by the tirst artiele of the treaty' of Ghent, that 'all territory, places, and pissessiuns whatever, taken by either party from the other thring the war, or which may be taken after the signing of this treaty, excepting only the islauls hereimafter mentioned, shall be restored without delay, and without causing any destruction, or carrying away any of the artillery, or other public property originally captured in the sill forts or places, which stand remain therein mou the exchange of the ratifications of this treaty, or any slaves, or other private property; an! whercos, under the aforesaid article, the lnited States elaim for their citizens, and as their private property, the restitution of, or full compensation for, all slaves who at the date of the exchaage of the ratitications of the said treaty were in any territory, place, or possessions whatmever, direeted by the said treaty to be restored to the United States, but then still occupied by the 1hitish forces, whether such slaves were, at the date aforesaid, on shore, or on board any British vessel lying in waters within the territory or junstiction of the United States; and whereas difticences lave arisen, whether by the true intent and meaning of the aforesaid Article of the treaty of (ihent, the United States are entitled to the retoration of, or full compensation for, all or any slares as above described, the high contracting parties hereby agree to refer the saill differences th sume friendly sovereign or state to be named for that purpose: and the ligh contracting parties firther engage to consider the decision of such friendly sovereign or state to be timal and conclusive on all the matters referred.
if. This convention, when the same shall have been duly ratitied by the L'resilent of the United

States, by and with the advice and consent of their senate, and by his Britannic Majesty, and the reapertive ratifieations mutually, shall be binding and obligatory on the said United States and on lis Majesty; and the ratifications shall be exchanged in 6 months from this date, or sooner if possible.

In witness whereof, the respective plenipotentiaries have signed the same, mond have theremen altixed the senl of their arms.

Done at London, October 20, 1818.
Ah.heret Gilatis.
Ricusam Rusit.
Fbedehack Jomis Romison.
IIeniry Goulaurs.

## Uhughiy.

Troaty of Amity, Commerce, and Nurioation heteren her Mujesty and the Oriontal R'pmulic of the Urwgury. Signed at London, August 26, 18.12.

Article 1. There shall he perpetual peace and amity between the dominions and subjects of her Majesty the Queen of the United Kingrlom of Great Britnin and Ireland, her heirs and successors, and the Oriental Republic of the Uruguay and its citizens.
2. There shath be between all the territories of her Britamic Majesty in Europe, and the territories of the Oriental Republic of the Uruguny, a reciprucal freedom of commerce. The subjeets aud eitizens of the two countries, respeetively, shall have liberty frecly and seeurely to come, with their ships and cargoes, to all places, ports. and rivers in the territories aforesaid, to which other foreiguers are or may be permitted to come; to enter into the same, and to remain and reside in any part of the said territeries respectively; also to hire and occupy houses and warehouses tor the purposes of their commerce; and, generally, the merchants and traders of each nation whall enjoy, within the territories of the other, the most complete protection and security for their cominerce; subject always to the laws and statutes of the limd.

In like mamer the respective ships of war and post-oflice paekets of the two countries shall have liberty freely and securely to come to all linrbours, rivers, and places, in cither country, to which other foreign ships of war and packets are or may be permitted to come; and they shall be allowed to enter into the same, to anchor and to remain there and refit; subject always to the Jaws a'm statutes of the'two countries respectively.
It is hereby declared, that the stipulations of the present article are not to be muderstood as applying to the navigation and carrying trade between one port and another, sitnated in the dominions of either concracting party; such navigation and trade being reserved exclusively to national vessels.
3. There shall be reciprecal liberty of commerce and navigation bet ween and amongst the snbjects and citizens of the two ligh contracting parties; and the subjects and citizens of the two comntries respectively shall not pay in the ports, harbours, roads, cities, towns, or places whatsoever in either country, any other or higher duties, taxes, or imposts, under whatsoever names designated or included, than those which are there paid by the subjects or citizens of the most favoured nation; and the subjects and citizens of each of the high contracting parties shall enjoy the same rights, privileges, liberties, favours, immunities, and exemptions, in matters of commerce and navigation, that are grauted or mny hereafter be granted in
either romery to the subiects or eitizens of the mosi favoured mation.

No daty of ellestoms or other impost whall be charged upon any goods the prowhere of one comatry, upon importation be sea or by land from such country intu the other, hisher than the duty or impost rharifed unou goonds of the same kind, the probluce of or imported from any othor country. And her Majosty the ()wem of the United Kinedom of tirnat. IStatin and Imenad, and the Oriental iapublice of the limguay, do herely limal amb emrage themsiones not to gramt any tavour, privilenc, or immmity, in mathers of commere and muviration, to the subjeeds or cilizens of any other state, which shali mot be also amol at the same time exfemided to the sult jeets or citizens of the other high conirating party; seatuitumsly, if the concession in facour of that other state shall lave beend gratuitous; nud on fivint as hearly as possible the same compensation or efpibalent, in case the concession shall have been comditimal.
f. No highur or other chaties or payments on account of tomate, light or harbour fiaes, pilotage, shlvare in erase of dimatge or shipwreck, or any local charges, shall be impowed in biny of the jrorts of the one country upon the vessels of the other, than are payable in those ports apon national vessels.
5. The same chaties whall be paid on all netieles, the growth, produce, or manatheture of her lixitamic Majosty's dominions, when imported into the territories of the Orimatal liepublie of the Urugnis: whether molt article be inuported in vessels of the said republic, or in lititish vessels : and the same ditios shall be paid on all artields the growth, promuce, or manmfacture of the saind republic, when imported into the domini 'ts of' her Britamic Majesty, whether such artich. be imported in british vesuela or in vessels of the said repoblic. '!le same dutios shall bo pait, and the same bounties and drawhacks allowed, on all articles the rrowth, prodince, or manufacture of her Britamic Mapesty's dominions, when exported to the naid republic of the Urugnay, whether such articles be exported in vessels of the suid remblic, or in sinitish vessels; and the same duties shall be paid, and the same bonentios and drawhacks allowed, on all artieles the growth, produce, or manufacture of the said republic, when exported to the dominions of her litambie Majesty, whether such articles be exported in British vessels, or in vessels of the satid republic.
6. In order to avoid any misumberstanding with respect to the regulations which may respectively determine what shall the convidered a britishi vessel, or a vessel of the Oriental lipulnice of the Urugnay, when engruge in commoree letween the two comntries, it is herely agreed, that all vessels built in the dominions of her Britannic Majesty, or having been male prize of war and condemmed as sucis, or having been forfoited uader any law male for the prevention of the slave traile, and condemned in any competent court for a breach of such law, and which shall be owned and navigated by sulbjects of her Majesty, and whered tho master ind three-fourthas at least of the mariners shall be subjects of her Britannic Majesty, and whiel shall be registered aceording to the laws of fireat liritain, shall be considered as British vessels: and that all vessels bailt within the territory of the said Oriental Repablic of the U'ruguas, or having been made prize of war and condemned as such, or having been forfeited imder any law made for the prevention of the slave trade, and condemned in any competent court for a breach of such lav, or
beines of buta lide british constraction, built in nuy jort of her liritamic Majesty's dominions, and acquired be purchase; mul whirh shall be owned and havigated by ritizens of the watid republic, and whereof the imater and three-fourths at least of the marimers shall be eitizents af the and republice, or matrioulated subjeets ot her lbitamic Majesty, and which shall he renisternd aesoreling to the laws of the said rupublic, slath he comsidered as vessels of the mind Oriomad lippulatic of the Urugiay, so fiar as shall rehate to any commercial rights or privileges in the sevral ports of her lbriamie Mapesty's dominions.

Anll it is further agreed, thitt no shipe considered as being the ship of cither conntry shall be ghadified to trade as above deseribed maler the provisions of this treaty, maless she be fornishad with a repister, pasionet, or sea-letter, under the sigmaure of tho proper person muthorised to mame the sanne, acoording to the laws of the respective combtries, mal in a form to be reciprovally commmicated be the twotiovernments (on (ralh mither, Such register, passport, wr rea-letter slatl certily the name, ocenpration, and residenee al the ownar or owners in the dominions of her lititamie Majesty, or in the territories of flow lorimtal bajubile of the Drugung, as the case bay be; shail deelare that he or they is or are the sole owner of the sitip, or ownors in the propurtion to be sjecitied; mal slatl state tho mame, burden, and deseription of the vessel, as in build and measurement ; mad if the vesian! is of fureith buidel, of what country, and, as far as may lo fossible, whes and from whom purchased, and all wher particulars constinting the natinal charactor of the vessel, as the emon any be
7. The sulbjects of her Hritamie: Niapoty shall have fall liberty, in all the territories of the Orientul Lepmblic of tho Lrupnay, to manaye their own nitairs themselves, or to commit thent to the manafe, at ol'whomsoever they please, th broker, factor, agent, or interproter ; aml they shall not be ohliged to emplogr any utior puranis in thase capacities laan those employer be the vitizens of the Oriental Repubilic of tho I rusuav: and they shall not be resarained in their chmie of perstas to net in streh eapacities, nor be obliged to prav them any other salary or remanertion, than such as is paid in like eases by the eitizula of the said republic; and absolute frembon shall be allowed in all cases to the buyer and seller ta bargain and fix the price of any gools, wares, in merchambe imported into and exported from the Oriental Repmblie of the Lruguay, as they alm see fit. provided they olsserve the Inws anil establishol enstoms of the comtry. The same privileges shall be enjoyed in the dominions of her lifitannic Majesty by the eitizens of the Oriental liepublic of the Urusuay, under the sane conditions.
The subjects and eitizens of each of the eontracting purties respectively shall, in the ferfitorise of the othor, receive and enjoy full and perfect protection for their persons and propety; and shall have free and open aceess to the enarts of justice in tho said comntries respectively, for the prosecntion and defunce of their just rights ; and they shall be at liberty to employ, in all caus", the advocates, attomeys, or arents of whatest description, whom they may think proper: and they shall enjoy, in this respect, the sume rights and privileges therein as native citizens.
8. In whatever relates to the police of puitsi the Inding and unlading of shijs; the satety if merchandise, goods, and ellects; the successiun to personal estates by will or otherwise; and the disposal of personal property of every sort and
itish construction, lmile in muic Majesty's fominions, hase: and which shatl be by cilizens of lhe whil ree master and threct-furths rss shall be citizens of the triculated subjeets of her a which shall be repistirom of the sail republic, shatl be it the said ( Oriental hepuldie far its shall relnte to :uyy - privileres in the nevaril Majeat $y^{\prime} \times$ dominioms. reed, that un ship eonsidered ither emmetry shall be puadie described umer the prosie described be furnished with sea-better, umber the er person unthorised to eramt to the laws of the respedive orm to be reciprocally comot tovernmenats to cull obler ort, or sea-letter shall certiy , and residenee of the owner cominions of her Jritanuic territories of the trimalal hathy, as the eave bay he; of they is or are lhe sole - owners in the proportion to hall state the name, burlde, the versel, as 10 homid and if the vesivil is of foreign ntry, amb, as fiar as may he from whom jurchasd. and rs consathling the mational sol, as the mane may be.
 in all the territuries of the of the lingguay, to mange hemselves, or to commit them of whomsoever they pleare, at nt, or interpreter ; imil thy Ito employ any wiar purans tam those employed hy the ntal Sepulitic of the I ruma": be restratined in their chome of chech eapacitios, nor be oblined other salary or remumeration, d in like rases by the citions ie; and absolute freadom shall bses to the buyer and seller ti - price of any goods, ware of ted into aml exported from the of the Eruruay, as they dra. hey observe the laws and estathe comutry. The same privi oyed in the dominions of her by the citizens of the orimat iruguay, inder the sane con

1 citizens of each of the conespectively shall, in the teril $r$, receive and enjoy full and for their persons and property, and open nccess to the couts ill countries respectively, for the efence of their just rights: and iberty to employ, in all cause orneys, or agents of whatere a they may think propers and in this respect, the same rights rein as native citizens,
relates to the police of purts; nlading of ships; the satety if is, and etlects; the sucessim to by will or wtherwise; and the nal property of every sort and
denomination by sale, domation, exphamse, or in any ofler manner whatsoever; mind to the administration of finstice; the sulyeets and citizens of ench of the two cont racting parties shall enjoy, in the dominions and territories of the oblore the same privileges, liberties, and rights, as mative subieres or citiaens; and they shall boe be charged in iny of these respeets with any higher imposts or chotios thath those which are or may he paid by natives; conforming, al rourse, to the lonal laws and resulations of such dominions or torritorics.

And it is firther agreed, that the subjerets and citionts of the two contracting partionshath have ant enjoy, in the dominions or territories of enth other, the most fill ame perfect liberse to devise or dispose of their propurty ame eflere of "wery kind and demomination, amd whereswerer sitmatio, by will or testament, to such person or presons, aul in surle proportions, as their awn fre wilt may dictate.
if any subpeet or citizen of either of the two contracining parties shonde die withont will or testanment in the tominions or territories of the other, the romsul-gemeral or consul, or, in his absener, the representative of such eomsul-genemat or consul, shall lave the ripht to nomimate emrators to take charge of the property of the dereasent, so fir as the haws of the country will permit, for the benetit of the lawfinl beirs and arditors of the deceased, withont being interfered with by the authorities of the combtry, but giving to these authoritises due and proper notice.
!) The subjects of her Britamic Majesty residing in the territories of the triental lappoblic if the I'rugruy, and the eitizens of the said repulie residins in the dominomes of ler Britannic Najesty, shatl be exempted from all compulsory military sorviee whatsomer, cither by sea or land, and from all forced loans or military exations or reguisitions.
Xeither slanll they be compellent, unter any pretexl whatsoever, to pray any eharges, repuisitions, or faxes, greater than those whioh are or may he pid hy hative subjects or citizens of the Arritories in which they reside.
10. It shall he tree tor each of the two conrating parties to appoint consals for the protecetion of trate, to reside in the dominioms and territories of the other party; bat no consal shath act as such until he shati in the usual form be approved and admitted by the fiovernment to which he is sent ; and either of the contracting parties may except from the residence of consuls surl particular phaces as they may judere tit. to be exepted. The diplomatie agecouts tum comsuls of the Oriental Republic of the Lruguny, in the fominions of ber liritannie Majesty, shath enjuy whatever privileges, exemptions, and immunities are or may thore be grinted to agents ot the same rank belonging to the most favoured nation; ani in like manner the diplomatic agents and cousula "f her Britamic Majesty, in the territories of the Oriental liepublie of the Uruguny, shall enjoy, acearling to the strictest rectiprocity, whatever privileges, exemptions, and immmities are or may there be granted to the diphomatic agents and consuls of the most favoured nation.
11. For the hetter seeurity of commeree letween the suljeets of her Britamie Majesty and tho citizens of the Oriental Republic of the Urugnay, it is asred, that if at any timo any interrnption of friently intercourse or any rupture should anfirtunately take place between the two eomantries, the subjects or citizens of either of the two contracting parties who may be within the territories of the other, shall, if residing upon the consts, be
allownd 1 montlas, and if residing in the interior, ! montis, to wind up, their ancomats and to slis. prese of thair propurty ; and a safe rombluct slath be givern to all such of the aforesaid porsones as may choosse to quit the eomery, to amble them to cminark umonosted at the port which the tioverotment if the comentry shall seleet, It is, moreover, furthor arrech, that all subjects or citizens of cither of the two contracting parties who, at the time of : my wide interrnption of l'rienily relatioms hetween the two rountries, slanll he owtablished in the excreise of any trade or special moployment in the dominions or territories of the other, shatl have the privilege of remaining and of eontiming such trate and cmployment therein, withont any manner of interrnpion, in full enjoyment of their libery and property, so long as they enmbet themselves peaceably, and commit no oflence Hzalinst the laws ; and their fonels and elfeets, of whatever deseription, whether in their own custoly or entrusted to individuals or to the state, f.hall not be liable to seizure or seguestration, or 11) aly other eharges or clemamis than those to whicli like etheets or property belonging to mative subjects or citizens may be liable. Debts betwern individuats, property in the publie fumls, and shares of companies shall never be contiseated, sequestrated, or detained.
12. 'The sulyiects of her Initamie Majesty, and the citizens of the Oriental Republic of the Craquay, respectively, residing in the territories of the other party, shall enjoy, in their honses, persons, ant propurties, the protection of the dovemment, and contime in possession of the privileges which they now legally enjoy. They shall not be disturbed, molested, or annoyed in any mamer oll accomet of their religion, but they shall have perfect liberty of eonseience, provided they reseret the religion of the country in which they resitle, ans well is the constitution, laws, and costems of the land. They shal! also have peranission to coldrate divine serviee, acoming to the rites and cercmonies of their own chareh, either within their own private houses, or in their own particular churches or chapels, which they shall be at liberty to builat and maintain in eomvenient phares, approved of by the (iowermment. liborty shall also be granted to the sulifects or citizens of either of the two contracting parties resilent in the territuries of the other, to bury, in burial-plates of their own, such of their fellow-subjects or followeitizens who may die in such territories. Sueh burial-phaes may be treely established ant mathtuined; and the funerals and sepulchres of the demb shall not be disturbed in any way, or upon any arroumt.
i:3. Tice preant treaty shall be in foree for the tomo of 10 years from the date thereot; and tharther, unt the end of 12 months alter cither of the high contracting partios shall have given notice to the other of its intention to terminate the same: cach of the high eontrating parties reserving to itself the right of giving such notice to the other at the end of the said terin of 10 years, or at any subsequent time.

And it is hareley agread between them, that at the expiration of i: moaths alter such notice shall have bee:a received by either party from the other, this treaty, and all the provisions thereof, shall altogether eease and determine.
14. The present treaty shall be ratified, and the ratitiontions shall be exchanged at London, as soon as possible within the period of 18 months from the date thereot.

In witness whereof, the respective plenipotentiaries have sioned the same, and linve atixed thereto their respective seals.

### 1.176 TREATIES (COMMERCLAL)

Itome at London, the ebth day of Augnst, in the year of our hord 18.12.

Abmbuses.
limox.
Jusw Jila..|'li.

## Additional Article.

Whereas ly Article ! of the treaty of amity, commerce, and mavigation, conelnded and signed this day between hur Britamic Mnjesty and the Oriental Ibepulioe of the Vruguay, it is stipulated that the subjeets of her liritmanie Majesty residing in the said repmblie shall not be compethed, mader any pretext whatsuever, to pay any elarges, requisitions, or thxes, freater than those which are or may he paid by mative citizens; noll whereas, by a law of the Oriental Republic of the Urmpany, a foreiguer pays for the license to open a shop, or other establistiment ineluded in the provisions of the sad law, a sum greater than that which is paid by a mative eitizen; hor Dritamie Mnjesty engrages, notwithstanding the provisions of the above-mentioned article, not to insist unom the abolition of this elistinction, so long as it exists impartially with repard to the subjects or citizens of every other foreign nation.

And his lixcellency the President of the Oriental loppublic of the Vruguay ampages, on his part, that if at nuy future time the amount payable by lbritish subjects for such license should be incrased, a corresponding incrense shall at the same time be made in the stm pavable ly native citizeus of the republie; so that the proportion between the smm payable by British suljects and the sum payable by eitizens of the Oriental Repuldic of the Lrugniy, respectively, shall never be altered to the projudice of lhritish subjects.

The present additional article shall have the same force and validity as if it were inserted, worl for word, in the treaty signed this day. It shall be ratified, and the ratifications shall be exchanged at the same tine.

In witness whereof, the respective plenigotentiaries have signed the same, and have allixed thereto their respretive seals.

Dome at London, the 26th day of Angust, in the year of our Lord l8:?.

Amerbleme.
linen.
doske lis.atran,

## Scond Additionul Article.

Whoreas a strict and immediate execntion of that part of Article 6 of the treaty of amity, commerce, and navigation, signed at londen on the 26 th of August, 184', hetween her Majesty the Queen of the United Kinglom of Great liritain and lreland, and the Oriental Republic of the Uruguay, which stipulates that a ship must have been aetually built within the territory of tho Oriental liepublic of the Uruguay, to be considered a ship of that republic, wouki, in the present state of Urugnay shipping, deprive the republic of the full alvantage of the reciprocity intended to be established by the treaty; it is agreed that, for the space of 7 years from the date of the exchange of the atitications of the suid treaty, any ships, wheresoever built, being owned, nawigated, and registered in ronformity with the provisions of Article 6 of the treaty, shall be consiticret as ships of the Grientad Republie of the Uruguay: her Majesty the Guem of the Enited Kingroma of tireat liritain and irvand reserving to herself the right foclaim, at the ent of the said terin of 7 years, the strict enforcement of all the stipulations contained in the said article of the treaty,

## TIEBLZOND

relative to the combitions whidh nre lo dotermine the matimal elarncter of vessols of tho Oriental liepublie ot the Vrugnas.

The present miditioning artide shand have the same force and validity as if it had heen inserted, word lar word, in the aforesnial treaty of the etith of August, ixt:. It shall be ratitied, aud thes ratitiontions slall be exchanged at the same time and place as those of the trenty.

In witness whereef, the mindersigned phenipotentiaries of her Britamic Majesty, and of the Oriental liepublie: of the luguag, linse shened the same, and heve ntlixed therevto the seals of their arms,

Done at Momteriden, the 8th day of Mareh, in the year of our lard ldas.
J. II, M.ANHENH.IF.
S.svirimo V.stele\%.

## Zondybums.

See trenty under I'russin in this artiold.
'ILEAHZONJ (anciently 'I'rapeスus, from its resemblame to a traperimin). A town of Asia Ninor, on the stmblatenst coast of the Bhack Sea.
 extimnted by Mr, Consul W. tr. l'algrave, in his very instructive Rejort on the Prowiars of Trebizond $£$ 3:3,101. The all town is built on a rock rising rupidly from the sen. It is a plase of great nomtipuity ; and from the year $12 n 3$ to the tinal sulversion of the Dastern empire by Mohommed ll., in the lith century was the seat of a dukndon, or, as it was sometimes called, min empite, comprising the country between the Ilasis mal the llalys. Its fortiticutions are still of some strength, at least for a 'lurkish city: 'The space indluded within the walls is not of great extent ; lnot the chicf purt of the western town lies without these walls. The honses are mean in their outwand川pe:armer, and comfortlens within. ('lournefort, Joyrefe du Levant, tome ii. pp. 231-9; Kimmi's Journay through Asia Minor foc. l. :Bx; Mr. t'onst - I'nlegrave's Report on Anatoliam I'rovinces. vol. for August to December 18tix, ple. :3:3x, $8: 30$. )

The inctease in the commerce of Trebizond in consentuence of its becoming the entrent fir the transit. trade with I'ersia as well as for the tade with the aljacent romotries, led to its extensim and improvement; and the stimulas so given was greatly increased by circumstatuees growing out of the late war with linssia.

Harboar.-'I'rebizond has two ports, one on the W. and one on the E . side of a small peninstla, or point of land, jrojecting a short wary into the sea. That un the k . is the best sheltered, and is the phace of anchorage for the largest shipss It is, however, exposed to all but the sometherly gale's; lont it docs not appear that, with ordinary precantion, any changer need be appremeth. The gronnd, from $\frac{1}{4}$ to $\frac{1}{2}$ a mile E., from the point, is uood sand and clay, and holds extremely well. Ships moor with open hawse to the north, and a good hawser and stream anehor wa slote, as a sterufast. At night, the wind always comes otl the land. There is a fixed light on the pint, and there is a second light at Platama, alsutit miles west. Captain Mieldleton says that the only latel wenther is from the N.W.; but that, thuturh the swell be considerable, it does not cass any heavy struin upon the cables. (.intioul Muyazime, vol. ji. 1). 181.) At llatina, ner Treingond, and quite as exposed, 'Turki:h vesels bive from time immemorial rode in satety the whole winter ; a satisfactory pr :f that the darger anpoved to be incident to t.achita, ary consh are wholly visionary (ilid. phe 2t dit
which are th determine f vessels of the triental

If article slanll lanve the as if it lad heen inserted, resaid treaty of the 2Gith hall he ratitied, and the chatuged at the same time - trenty.
tho mindersigned phenipo mic Majesty, and of the he lruguag, have sigued lixed thereto the seals of
the 8th day of Match, in 13.
I. 11. M.


W3It:1N.
oswia in this article.
iently Irspeans, from its
 ast const of the Black Sen,
 nsul W. th. l'alrawe, in his It on the Prowinces of TrrI to lorliament in fixti9, at no is built on a romk rising It is a place ol crabl ane vear 120 ) to flo final sulbon cupire ly Minommad $1 l_{1}$ was the sent of a dukalum, mes called, an empirt, combetween the l'hasis funl the ions are still of sume: stronghth In city. The space indluted not of great extent ; but the estern town lies without these are menn in llwir ontward ofortlest within. ('lournefort, tome ii. $1 \mathrm{p}, 2!1-9$; Kinueits sia Minor fec p. sas; Mr. Report on Anatolian l'rovinces becember 18tix, 11 $13.3 x, 330$. he commerce of 'I'rehizond, to becoming the entrepot for the l'ersia as well an for the trade eomintries, led to its extensimn ; and the stimulas su given sed by circumstances growint with Russia.
rond las two ports, one on the c F. side of a suall perninsela, rojecting a short war into the e E . is the best shedtered, and ichorare for the largest ships posed to all but the southedy not appear that, with ordinary langer need be appremended $\frac{1}{4}$ to $\frac{1}{2}$ a mile l. ., from the d and clay, and holds extremel with open hawse to the noth, or and stream anchor ons slute, thight, the wind always cemes ere is a fixed lirlst on the priant, cond light at l'atama, alout $b^{6}$ ptain Midelleton says that the er is from the N.W.; but that, be considerable, it does not cals! n upon the cables. (Nautiod ii. 11. 181.) At l'hatima, mast uite as exposed, 'lurki:ll resistlo immemurial rode in sately the satisfactory pr f thot the dallre incident to ta s.ate en en visionars (ill, p, 2l. ait,

Pugrmee adys that only one vessel within living memory has been lost in this harlonr.

Troude.-In antlquity, and in more mosern times, previonsly to the conquest of tonstantimople by the 'Inoks, and the exclusion of all foreign vessels from tho llack Sen, 'Irebizond was the seat of anextensive trale. Anyone, inderd, who casts his oye over a map of W. Xsia, must In' satistied that this city is the natural emprimm of all the comotries to the S.lis. of the Bhack sien, from Kars on the east, remud by Diatheker oo Amasia on the west. Erzeromm, the principal city of Ammena, is only about las miles N. Fis. from 'Irebizond. Its merchants are distiuguished by their smorior attaimments, and by their anterprise and activity. For a lengthened puriod they derived most part of their supplies of liaropun commodities by way of Smymn or Constantimople: nothing, lowever, but the impossibility of obtaming them at so convenient a port an Trelizond, could have made them resort to such distant markels as those now mentioned; and it may well excite surprise, considering the perion during which the Black Sea has been open, that chlonts were bot somer made to establish an intercourse with

Armenia, (icormia, and the north-western parts of l'ersia, throngh this chamel. We are phat, howevor, to have to atate, that within these leve years this has been done; and, motwithatamling tho dillionlties that meessarily attach to every attrmpt to "pron new chammels of commere with semi-tivilised nations, the experiment has proved more than ordimarily sheressful.

The transit trade of 'lrehighnd with l'ersia em-
 bu'k horses, marying yearly $1: 00,000$ loads, earla


 atined en per rent, is charged an enstoms. liesides the East Anatolian indand trallic, valued nt
 latomm, lidont K゙ale, and other ports ant the Hiack Sen; nud sometimes, when the crops in the aljneent torritory are deticient, it imports largo quantitios of rern from the Dmmbe and (hlessa. The imports from litgland principally consist of cotton stuflis and twist; irom, hariware, machihery, nuld eoal; fin and tin-plates; sugar, tea, atd other articles at colonial prohluce de.

Accomet of the Nationalitirs, Nomber, Jommur, amel Grows of the Stamers thut linterorl and



Account of British and Purcign Sailing Nhigs mhich Entord and Cleared at Trubizoml in 1867.


Acconnt of the Vessels Fingagerl in the Coasting Trade at Trebizond in 1867.


Of the exports, silk is the most important; pratique, unless his bill of health happans to be a and next to it are raisins, nots, salfon, tobateo, foul one. Sometimes the llealth Office sends a opper, wax, shawls, benus, fills, lecches dee. Money, Weights, and Measnres, same as at the trouble.
Constantinolels.
Mode of Landing Cargo--Lfter a vessel re-
Port Regulations,-When a vessel arrives nt ecives pratique, the master may begin to tlisTrebizond, the master eomes ashore to the liealth charge, at his pleasure, into lighters provided hy Office, to exhibit his bill of health, anm, after the consignces of the goods at, their expense. undergoing a short interrogation, is almitted to lach of these lighters takes from 6 to 7 tons goods.

Cistom-honse.-There are no forms to imblergo at the costom-hoase prior to diselanging, nor even after the vessel has landed her cario. The goods from the vessel are taken tu thr customhouse, and chamed thence by the ownors, the emptain's consikince sending in person to superintend the delivery.

Bullast, consisting of samd and shingle may he hatl, on ajplication to the harbour-mast er, for about 10s. (50 pinastres) the lighter of 6 or 7 tons. The captain may, however, send his own boat to the beach, abrenst of his ship, and, by the aid of his crew, load his own ballast, withont paying any fee: for it.

Wuter is to be obtnined from the Marinmama river, L . of the anchorage. Masters of vesuels may send their own boat and men for it ; but it is advisable to employ a mative loont, the latier being better acquainted with the entrance of the river, and better adapted to the serviee. English boats are liable to be swamped if there be ally swell at the mouth of the stremm. The expense of a mative boat is monlerate, suy is. to $\overline{\text { is }}$. Gif.

Labowers may be hired to assist at the loadinif or discharge of vessels at 2 s . (10 piantres) por diem each.

Provisions are abundant, and moderate in price. The tollowing are about the avorare rates of the articles grencrally required by shipping:-


Weights and Measurcs.- Everything exeppting linco, silken, and cotton stulls, is sold by weight. Stalls are sohl by measure. The bollowing will serve as a guide to the slipmaster:-

The measure of lemerth is called a pike, and is equal to 26 inches Euglish.

Qurarantine Dues.-A fee, not execedinis ? dollars ( 9 s . bed.), is exacted by the Ilcalth oflice for every bill of health granted to a ressel; but its cost depends uper the tomage of the vessel.

No light dues or port dues are exacted; but the harbour-master, who, on secing the vessel appronching the port, froes off and pilots her to her anchorage, is entitled to 20 piasires $=1 \mathrm{~s}$. (Mr. Consul l'algrave's Roport, and pricate informution.)

TRIESTE. A eity and sen-port of the Austrian dominions, the enjital al a distriet of lly riat. sitmated near the N.l:. extremity of the diulf of Venice, lat. of lighhouse (int santa 'leresa mole, $45^{\circ} 38^{\prime} 49^{\prime \prime}$ N., lomp. $13^{\circ} d 0^{\prime} 15^{\prime \prime}$ E.. Population, in 1864, of the eity district comprised within the limits of the free port, 105,000 . It is divided int" the old and new towns. The former is built upon elevated gromnd; the latter, which is lower down, is laid ont with greater regularity, and is partly intersected by a canal, into which vessels not dirnwing more than 3 or 10 fect water enter to lond and unload.
flarbour.- The harbour of 'lrieste, though rather limited in size, is casy of access and comvenient. It is protected fromi southerly qules by the Molu santa 'Geresa, so called from the Gupress Maria Theresn, at the extremity of which the lighthouse, alrewly mentioned, has been constructed. The port, with the mole, forms a crescent $1 \frac{1}{2}$ mile in lengeth, being a contimed quay, faced with hewn stones, with stairs mid jetties for the convenience of embarkation. On the
nortli side of the port is a dock or harbour, approprinted exchasively for veserels pertormiag quarantine. It is walled round; and is furnished with hotels, warchonses, and ever sort of accomemandation regaired for the use of sisuromers mad
 the yuays; those of grenter size fing a little farther vit.

The primeipal defeets of the port are, ite limited size, and lte being exposed to the N.W. winds. which sometimes blow with much violenee, uni throw in a heaver ven. 'The galos, however, are seldom of long continuanee; and the hodelises gronud being gronl, when the anchors aro banked and proper precautions taken, mo accident ocenrsThe tide at Trieste is searecty pereeptible; but the depth of water is influenced ly the wind. being ituerensed by a long contivued siroceo or s.l: wind, and diminished by the prevalence of the li.N.F. wind, knewn by the aame of ISoro The access to the port is not olstruetend by ary bar or shallow ; mal there is good anelamge in the roads, in from 6 to 7 and 10 fathoms water. A grool shiling vessel may beat in low nigtut on ho day, except it blow lurd from the N.E. or Ex, E., when she lad better mehor in the Bay of tienes, or l'iamo, where whe will ride in perfent natemy.

Pilots.-Shijs bownt for l'rieste are underen obligation to ake pilotw: but those ontering the port fur the lirst time wond do well to take atm on making thre const of literin. lbats are alwant hovoringe ofl liovigno: they ame not mamed by regular pilots, but by tisherwven. wha, thoug mutit tol: trusted with the manamement of the ship, know the bearings of the flames and the depth of wather. The fiee usually paitl them for pilothge iw en dohlars; in mblition to which, they are supported at the ship's expense daring the periormatnee of quarantine.
liphthouses.-The lighthonse at the extremitr of the Nanta Teresa mole is 106 fect (Enk.) high. The light is incermittent = and may lis sern, sutpposing the eme of the olwerver to be clovatedi: feet above the Bevel of the sen, about $1:$ mautial miles, or from Pirano on the side of Istria, and the sboals of limade on the Italian const. Tlate are also tixed lights on Mole Sinn Carla and Mole Giaseppino. A lighthonse has also bren arected on the point of Salvore, betring from 'trieste W. byy s., distant abont 18 miles. The lautern is clevated absatt 106 feet above the level of the sen, and is visible foe 15 miles. From this point I'irano lany opens, where vessels may anchor in safoty in ail sort of weather.

Momey.- Mereantile accounts are usually kept at 'ricieste in what is commonly enllman romeention money, from an agreement entered into with respect to it by some of the German princes, in 1763. 'llue current eans that are logal tomer are dollars, 2 dohlars or thorins, zwanzigers, or pieces of 20 krentzers. Ton doblars are coined ont of the Cologne mure (3,608 kr. Eng.) of pure silver, so that the value of the chollar is $4 s, 3 d$. sterling.

The florin (convention raoney) = es. sterling, and the florin (Austrian Stanlard) $=$ abot 1s. $103 \frac{3}{4}$; zwanzigers, or pieces of 201 kreutzers (i, to the mare), =Kid. sterling. All contracts are either expressly deelared, or are unlerstevd, to be in silver money; gold coins, not being legal tender, pass only as merchandise.

Weights and Meusures.-Those chiefly in use at 'Tricste are those of Vienna. The commerial pound contains i quarters, it onnces, or 32 lathe: it is $=8,639$ Pimglish grains. Thus, 100 lb at Trisente $=123 \% \mathrm{lb}$. avoirdupois ; or $90 \frac{1}{3} \mathrm{lb}$. of Trieste $=112 \mathrm{lb}$. avodrdupois. The Zoll centuer $=110 \frac{1}{4} \mathrm{lb}$ avoirdupois.
is a dock or harhour, npfor verencls performing al romen; and is furnishent - and ever anrt of necomthe use of assongers and 10 tons bus an lin close to reater size , minu a little
of the port nue, its limited pesed to the N.W. winds. with much violonee, and The finles, lowever, are huance: mud the hohlimg en the nuchors nre backand taken, no necident orear*. a scared! perecptible; but intheriond be the wind. long contimued sirucer on ished by the prevalence tir wo by the amme of Buro. $t$ in not obstructerl by any lhere is good anchmorge in to 7 and 11 fathoma water. may beat in be nigthe of hy urd from thee N.E. or EEN.E., fuedor in the Bay of Hinese, will ride in pretect satery. nd for 'Irieste are undien no lutw: but thase cutering the - would do well to take nap of lestria. Bonts are alwaw P they are not mamed bu is timhermen. who, though th tho manarement of the rings of the places and the be lien usually paid them hlars; in aldeition to which, t. the ship's expense during marantine.
liphthouse at the extremity mole is 106 feet (Fans) high. tent = null may le serin, nutie olwerser to be devatel l2 of the sea, abont $1:$ natical 10 on the side of Istria, and on the Itnlian coast. Iliere on Mole Shan Cablo and Mule thouse has also lueen repeded alvore, bearing frum I'rieste bout is miles. The lantern Hf feet above the level of the e 15 miles. From this point where vessels may anchor is * wentlier. le accounts are usually kept s commonly callowl romrention sreement. entered into with es of the German princes, in coins that are lemal tonder are tlorins, awanzigers, or pieces n follars are enimed out of the \$ (rir_ Eng.) of pure silver, so dollar is fe. : id, sterling. ention money) = Es. sterhan, Austrian stamlaril)=aburt crs, or picees of 211 kreutzers $=8 \mathrm{z} / \mathrm{l}$, sterling. All contracts - declared, or are muderstoud, y ; gold coins, not being legad merchandise. asures.-Thuse elisefly in we of Viema. The commoroil iarters, it ounces, or 32 laths: a grains, Thus, 100 lb , at avoirdupois; or $90 \frac{1}{2} \mathrm{lb}$. of drdupois. The Zoll centner ,

The principal dry mensure is the stajo or staro $=$ 2:3t 11 inch. bushols. The Viomat metzon, whise is somotimes usida 1 号: Winch. bushel. The jwhniek =0'sil Winch. biswol.
'lhe primeipal liquil mensure is the arman or cimer $=40$ buccali $=1 \cdot|\cdot!| 1$ wine or $1: 9$ imperind gallons very hearly, 'The barile $=1733$ binglishi wine gallons.

The ornit of oil contatins if catlisi, noll weighs abont 107 commercial potmels. It is $=17$ wine or 1.16 imperint gallens.

The ell woollen mensure 9 to (G Vighlish inches. The edl for silk $=25 \cdots$ English inches.

Trude-D'Trieste hat no eonmand of intormal mavigation; but being the most conveniente or rather the only sea-port, not morely of the Illyrian provinees, but of the Dachy of Xistrin. and the greater part of llumgary, whe posiosses an extensive comburere. This lims been increased by the facilitios afforded to all sorts ot mercantile transactions by the privilege of purto fraturo conferreal on the tersm, and a ronsiderable extent of ronthinus country, Cuder this frunchise, all gools, with lint very liew exceptions, may be imported izto nuld exported from the city free ot' all duties whatever Foreign products, when taken for enasimpition into the interior, are subject to thates.

Fixports-C'These are very various, consist ing portly ot the raw and partly of the namufictured pmodects of Anstria Prover, Illyria, Dalmatia, Hensrary, emol Italy; with foreign articles impurted ind warehoused. Amonte the principal arades of row produce may be warcitied, coms, chi-tly wheat, rye, ind wats, with timber, rice, wive, oil. currants and raisins, shomac, tobacco, wax, Ne: silk, silk rags mul waste, hemp, wool, thas, linen rags, hides, furs, skins \&e. ; the pronluce of the mines makes an inmortant item, consisting of quicksilver, cimaloar, irm, lead, copper, brass. litharge. alom, vitriol \&e.: the lorests of Carmiela tuminh timber, for shij, building and ot her purposes, of'excellent quality and in qreat abundance, with staves, eorkwool, bos, hoops de.; marble also ranks mader this lead. Of manufietured antides. the most imuortant are, thrown silk, silk stuth, printed cottons from hustria and Switzerland. coarse mul the linens, glass, and all vorts of leather: under this head are also ranked soap, with jewellery, towls and utensils of all sorts, ghas ware, and mirross, retined sugrar, and a host of other articles. (If foreiminartieles imported and re-shipled, the most important are sugar, cotlee, and dye stutls. Trieste is nlsu a considerable depot for all sorts of produce from the Blate Sea, Turkey, and Egypt.

It is not possible to obtain nuy very necurate areome of the quantity and ralue of the experts ; but Ilr. Money; the late IIritish consul at 'Trieste, who carefilly entuired into the snligect, supposed that theymight have amounted in Jx:3, exclasive of those shippel for Venice. Fiume, and other Austrian ports, to about $1,80 t 1,000 /$. a-vear.
There has, however, beon a eonsiterable increase in the interval ; for the cutire value of the exports from Trieste to foreign comentries was estimated,

Mr. Bonar, in lis Rrport of March 1, 18tiz, on the Commerce of Austria, states the value of her fireign cimmeree in latis, at $601,300,015)$ flerinu
 for exports). We extract from the same grontleman's Mopapt of July 10,1868 , an account of the value of the experts arme imports (exclusive of the grecious metals) of tho Austrian dominions in Ixifi and 1867.

This table shows that the value of the
expurts in $186 \%$ from Trieste by sea alone wns
$11,122,6101$.
 Aisjurts from Irieste in letitionl latia.


Nhowing an excess of imports ower the exports $3,1 \overline{6}, 1611$. I'rieste 1
(m) sumptions a free port, groods glestined for its pay no duties whateser, and are expurted and imported without woter, and are exported and imported without notice by the enstoms. fioods liromght from the interior for export at 'I'ricate are charged an export dhaty on prissing the cus-tom-honse line. Goods imjorted int Trieste, to be eonveyed throngh the Aust rimm dominions to those at any ozlier lower, are charged a small irnnsit
daty. dinty.
timupowler. snlt, and tolneco, being articles mumopoliset by Goveroment, are not nillowed to be ingmarted into Tricste except for sule to the fiovernment or its connrnetors. Vessels arriving with pungowder on board deliver it at the arsennl, and on theur clearing out it is returned to then tree ol' expenme. The ntmost vigilance is exerted to prevent the introduction of tobaces; but with very little effeset. The omly articles the exportation of whicli from the Austrian dominions is at present prohibited are gold and silver in bars, and silk cocoons.

Whipping, - Since the lows of Flanders, the mereantitle navy of Ausria has been contined wholly th lap ports on the Adriatic. Hat it is, notwith-- amdines, very considerable; and engrosses at this mument a large share of the trade of the Mediterramean aral Black Sa, The oak timber of Carmowa and the !almatian const is reckoned about the wery bewt in the world, so that the Austrian shipe being built of it, nee very strong, at the same time that they are prarticularly handsome. They are nlso well immoned and provided. The seanen are expert, temperate, and orderly; and the laws lir the regulation of the merchant service
are excellent. are excellent.

Account of the Numher and Tomage of Vessels Bintered at the Prineipal Pornage of Vessels
the Years $1 \times 62$, 186:1, 186.1.

| 1'orts | Entered |  |  |
| :---: | :---: | :---: | :---: |
|  | Ixtis | 15 bis | 1861 |
| Purte levante |  | venatls tons | versely tons |
| Wenice - |  | $3,274,56,250$ | 3,092 3110,9692 |
| Cirita | - 1,121 10, \% , 3 | 1,001 11, 10 it | 3,092, 8,506 |
| Pumb - <br> 'ricete | - 10.375 | 315 | 3mit 7,713 |
| cameletria | $\therefore \begin{gathered}0,315 \\ 1813\end{gathered}$ | C,507745,571 | 10,114 02.906 |
| Piramo. | - यr, |  | 1,1 $4,6814,276$ |
| 1Ruvicno | - 1,179 29,154 | 8,260 21, 2,36 | 2,650 1,209 114,317 40,534 |
| Pobls Fiunts | - $2,411113,169$ | 4, 860 | 1,4\% 12113.745 |
| Fium, |  | 6,614 121,919 | 6,539 11, $115.5 ; 5$ |
| \%ati | - $1,0,50$ |  | 1,2611 515.824 |
| mithenco | - 50.8283 .261 |  | 1053 |
| Sipalat: | - 2,322 71,527 | 2 , 11783.313 |  |
| Girswinit |  | 525 123, ${ }^{\text {\% }}$ | \%91126, 09 |

The number of vessels in 1866 and $186 \%^{\circ}$, as shown ly tho second table on the next page, was mu dmult aflecten by the events of the war with I'ruswla.
Iby fir the freater number of vesels of arge burdel belung to 'Trieste. The rest belong to Finme: Jagusa, and the Bocehe di Cattaro. On
 C'rastr, in the Ierrs Intii, tritil, lastin.

 in latit tanl lxiti.

|  |  | 14tis |  | 146i |  | Ivti) |  | $1817 \%$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Vevstu | Tras | Viouct | Tıuns | Viroucis | Tions | Veswly | Twns |
| S.aling wins. Stomats. | $:$ | 111, |  | :r.20. | $\therefore 1$ $\therefore$ anderat | 119,19\% |  | 26.71, 1117 | $\begin{aligned} & \therefore 2 i i, 4 \geq 1 \\ & 3!11,4: \% \end{aligned}$ |
| Toral | - | 11,1:2 |  | 1",1i, | S31, 517 | [1, 1101 | 1,0611,83\% | 141,24,1 | 921, 任 |
| Or whardin lactat: saltor. A(rashlicrs. | - | 2,0141 | 24y, | \% 919 | 19820] | \% | 6.3.9 | 8,1401 111 | 70, |


 are more equally divided; Vende having, prolat- and the Zollverein, decielod steps towards fres-
bly, as many as Trieste, whike $n$ gomel mumber belonf to the ports of Istria, Ilumany, and Jilmatia.
The foreign trale of this port comprises all voyares beyond the limits of the d driatic; and may be divided ant follows:-

1. The levant trade, inclaling the fomian Islamls, Circore, Constantimpha, imyma, (Ibesal de., the porte in Syria, C'ypus, Candia, and Eigyt, more especially Ale athitria.
2. The ponente or Mediterranean 1 ramb, in the Wrst, comprising the coast of barbary, Spain, France, and ltaly; being principally carried on with Marseilles, fienoa, and Leghuri.
3. 'lle vommere on the oreats, whind he Iustrian merchants have attemped with considerable success. Several shipssail for IMazil, Ihe l'nited States. Eughant, Itamburg de.

C'umanan Rrynhations.-The l'ustom-honse al Triest has nothing whatever to do with the entry, reportame de. of vessels. W'hen a ship arrives, she is raported to the Health (Ollice; which pinthlishers a list of arrivals and departures, with a statement of their carrocs, as lhw ajpur in the manifents. Sibije are clarad by the same otlice; the masters being ansisted by the comands of the comentry to which they belonge As soon as a vessel has performed ginarantine, she babds or unlonds without any interterence or inspection by the custums oflicers, or lay ange else. (ioods masusceptible of contagion may be bunded during guarantine.

Tariff-By the conmercial treaties lately liurope.
deral ut the Port of

ml ('iviruld from Trinst:

Cluerent

I'orf Chiryers phill by Ansfriun and Foreign Nhifs.
 Anchorase, per lom alıwisurement i.iphlithosise Corgo dluy, bue ton welghit if geax s

Fureigh nhthe not brivikuged-


 than lulf a curgo
 "t 'riestr, respertierly, hy "1 nutire wil privitrgul Porrigm Nhip, unt "L Fiwrign shap wot
 Corrones.
Natlue ami privitreerl-


'Lutal -
or ahothl 1t. 15s. nterlings


or ablent 1\%. fils. serting
If the ship depart in lallast, or with less than of a cargo, there is a liurthor charge of 9 kroulzors per tom, or tio thorins: makiug in all 17.5 thorins.
(Qumuntine' is strietly enforced at 'Iriesto, and the establishments for facilituting its performanese are romplete and eflicient. The Iharel of llealth at this prort is the central or prineipal one for the Austrian States; and mathtains an active correspmadne with all the primeipal porte, buth in the Nediterramean and elsewhere. There are 2 laza-rettos-that called St. Teresa, or Lazaret to Nuobo, is apprypiated to vessels from the levont and Fieryp, which are, for the most pant, subjereted to the long or full guarantine of 40 days, It is spatachous, nut proporly fomeded; having a sutliciont number of miliary and medienlotheers mud assistants: with cetinsivo quass and marazines for lomsinge mal airing foods, Iwelling houses, and pigntments for resibent. aflicers and passengers de. It is, in fact, ome of the most perfeet estaMishments of' the kime in existenere. 'Jlae other, or

 foming a cuarantine of not more than ex lays; amb, thang inferior to the former, is sullicionty entacinas and comvoniont. The sanitary ofleeses inchuing that of harbour miseter, are wher the cente of the port; where also are mored vessels moder donervat ion for a term not excoedimer 8 dalas. Jlere also are facilities for commmacating vivit rore with persons muder guarantiae; and spa-
 ather oflieres. Shat, notwithathating these romvenonces, if a vessed arrive having an infections malay on hoard, she is not allowed 10 enter either lazaret to at Trieste.
 shacepthon orods pay ad valorem at the rate of hi krentares per 100 thorins or 1 mille, Suserpetible goots pay an extma charge, a"cording to tarili, ar toriteumatances. lesides the above al valorem duty, goords nut susceptible pay I kreatzers ( 1 di.) devery 1,0100 th. weight of Vicima. tirain is subject to the extra charge of abont per eent.
Brokers, Commission Merchants, Broheruefe §r. - There are a few exceptions to the freedom geme rally enjoyed of settling and exercising any trade at l'reste. Ihokers, for example, are limited in number, and appointed by the Chamber of Commerce, 'They are obliged to give security, are mader varions regulatims, and may not themselves trate as principals. 'Ther are of if chasses: last, wokers for the sale and primelase of merchamdise, who are again subdivided into particular classes,
acerding to the articles they are como owant with, Ins grain, bil, fouttom, elouga, hides noml leather, colonial promber, matulactores ser, : sum, bill lerokers, or cxchanger agentes and. :Brd, ship and insurance brokers, Sued anthorised lrokers aro ahbor allowed to extemd contrints, certibeates, surveys, or allur locomments; mil they are consitheral as publice fimetimaries, whose dipositions are repoived as lagal evilemer.

Snyone may be a eommixaton therchant or factor, but he may mot iswhe brintide diremara or lists of prices: for will his lomks, howesor regularly kept, be comsidered as cridenoe in a comrt of justiers, unleses he is mutriculuted, for whith tho jossession af a certaill mmonnt of copital is re!uiral. This, bowever, is little more than mere form, and a great deal of hosimess is domo by persoms acting broth as merelanits mud brokers, without being daly nuthurised.
'The natul rate of a merehant's ur fietor's commission on the gurchase of fonels is 2 par cent.: on sales, $\frac{1}{2}$ per cent. idel iordere issometimes ablded.

A merehant's commission for collecting fireight, and doug other shipuing busimess, is a per cent. out the inward earan; and by enstom of the phace, the honse to which a ship is consignel or recommemided liv the clanterers, is altithed to a commission of 2 per cent. on the outwarl cargo, whether it has or has mot been instrmontal in procuring the gronls that are lachont wards.

A broker's tommission for freighting a ship, or procaring $n$ dharter, is 2 pur eent. 'Ihis does not inclute the charge for writing charter, or tor any other services performed in the charamer. In easo of general cargoes, when the broker has to collect goods lrom lifferent morchants, he charges is per enot. commission, A bill broker's commission (courtare) is sometimes I per mille, more commonly $a$ por mille. larokerage tor the sate or purdane of merchandise varies firom $\frac{1}{\text { b }}$ ber ent. to I pur "ront., meording to cireumstances, and the mature of the article.

Insuromre-'Cle insurance of ships is carried on to a consiblerable extent at T'rionte. 'I'ho neenrity is moxepotionable, the terms more moderate than in lemghand, and losses are salid to be mdjusted promptly and liberally. The former oppressive duties on policies of insurance in Lingland have bern the canse that most insmatices on ships for the diliatic, that were at one time ellicted in
 The insurane of honses is universal ; and that of lives is also, of late yeats, pratised to a considerable extent. Honse insurmace is carrind on by


Bankrofily is not of very trequent occurrence at. Trieste. The laws with respuect to it do not hifler mush from those in forer in most other comutrise. framis are punishahle by inuprisenment; but here, as clsewhere, they are very dilli-
 on making at comphete diselosure of their atfairs, and a surremer of thetirassets. I'roperty settled on a wife is not alleeted liy the debts of the husband; a rerulation which, it is evident, must lead to tranul.

Commanications by Land,-The intercourse between 'riosta mul Austria, Humpry de., is neeessarily all carried on be lani. The roads leading to the Austrian and Ilumarian towns, particularly the tirst, are kept in fromel repair, and the tolls are moslerate: but owing to the rugirel nature of the pountry, the ascent is in some places very consilerable. The dramfit loorses employed on the robals are excellent: lint, in some of the mountainons districts, bullucks are usel.

Ruilnuys. - Despite the chilliculties in the way, a
railway hax heen comstructed hetwem Viemmanil Trieste, a distunce of more than 3 H miles. 'This was a very great undertaking, and ite completions retlects great eredit on the Austrima (boverament and elginesen. The whole lengeth of Anstrimn railwase now in activity amonente to nownerle of 4,0100 Finglish milles, and thas 'Triexte and Vicnma are comeneted with all the grent towns of the empire, and with the rest of Einrope.

Carerning, stores se-C'Timher at Trieste is exerilent, workmen gook, and their wages moderate; so that it in a very fivourable place for entrening and repmiring. Water is very gown, but rather nearee; so that, if a large mipluly be required, the notice must be given. Ships are served in regular rotation, Ilenf is very groel, but rather hifho pricel. Hutter and cheese are dear ; and fuel is excessively so. On the whole, therefore, 'I'rieste canion be considered ns a favourable plate for the provisioning of a ship.
Banking. - There are mo public bunks at 'Trieste. The bank of Viema lins an oflice lere, lat it is merely for the exchange of its notes for cashl, or, more frequently, of large notes for smult mex. These motes, being guaranteed by (iovermment, are legal tender, and in general cirendation, but no other compmy is allowed to issue notes to be used an a circulating medimm. 'Ihere in not, however, any defieciency of eurreney. llanking business is transucted ly private companies, or by individuals, who are suliject to certain regulations, and are obliged to lay before competent anthority an attested atatemenit of the capita! embarked in their comeerns. Their buniucss prineipnlly comsista in procuring bills of exchange from other phaces for the use of the merchants of 'Irieste, or in discounting (in which latter operation they have many private competitors), at the rate of trom 4 to 6 per cent. per namm, aceording to the nature of the poper offerel, nall in proportion to the scarcity or abuadance of ensh.
The primejpal bankers of 'I'rieste are of undoubted solidity, and do not indulge in dangeroms speenhations; and notwithatanding the nparent want of great banking establishments, the business of buying and sefling, and of making payments mad remittances, whether in bills or specie, is trans-
acted at this purt with great faclity' a mad there $^{\text {a }}$ sellom arises any distress, preswure, or stuguation, from want of money or credit.

It is not naun for rexpectable hankres to give interext on dequwits. 'The partners in juint-ktoek eоmpalies, banks de. are. In genernl, reswonsilule only to the exteat of their declared rapital: and the individuals composing them nre onily lind he each to the extent of their share. The smane individual is fregmently a general merolmat, a partuer it a hanking lauser, nod a member of an insurace company. All these bushesses may at present be suld to be prosprerous.

Credit.- Giouls impurted into 'Irieste are smanetimes sold for ready money, a diseomet tring usually moderstood, aud albowed in suld cose, of 2 ur 21 per cent. lint they are commonly xan! at 'i montlis' crelit, that is, by bllls of that date; ocensiomally, hut rarely, they are sold at it momitho.
Bills this obtnined, though offrring ine wher gromentee than the elgnature of the drawir or areeptor, may be discomited or lasured at a moderate rate liy companies who dedicute themmedres to this branch of business, and who, from lheir extensive dealinge, are frool judgen of the siwh, The practice has become almost universal: anl it mot only fucilitates sales, but has a tembrncy to prevent bankrupties, as it is ditlicult fie a honse lomg to concenl its insolvency; and its credit is, by this mote of trial, soon ascertained.

Tares,- Lienl tare is nllowed on mowt articlew of export; and on all articles of import, exert cotton aud sugar. The tare on Brazil sugar in chests depentes on their length und size, but in general it nomomes to from 1 th to 16 pere cent.; on Brazil sugar in bags the tare is 3 per cent.; on Havamanh sugar a tare is allowed of fi? b. English per box, being from 13 to Id per centr; on Jamaican nhgar the tare is 14 per cemt. Thre on American cottom, 4 per cent.

Trade of Austriu with the United Kingdon.The direct trade enrried on with Anstrii by the purts on the Adriatic is not so great as misht, perhaps, be expected ; but it las increased of late years: the value of the exports of British produce to Anstria having risen from $637,3,331$. in 18.3, , to $96: 3,952 l$, in 1867. In adlition to this, our indirect

Account of the Qumatities und Vriuses of thr Principal Articles Imported into the United Kinglom


| Articles |  | Quantstiex |  |  |  | - Compaterd lteal Vinue |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2861 | 18is | INtif: | 1 N 50 | 18fil | 1963 | 1 $\mathrm{V}_{\text {ifi }}$ | 1 lif |
| Argol ${ }^{*}$ * | cwt. | 817 | 5 | 4.fi | 370 | 1,2m | ${ }^{1} 18$ | $\stackrel{\text { ¢ }}{1,600}$ | f $1,3,0$ |
| thones of animaly and tint (excepit whalefins) | (on* | 363 | $\therefore 1$ | 7\%7 | 87 | 1,919 | 459 | 4,27! | 6.4.ii |
| lugies and glass bead. | - 16. | 47.934 | 115,169 | 295, 6 (in) | 39, ${ }_{\text {ditil }}$ | 4riy | 5,759 | 14,5:1 | 9,930 |
| Com: ${ }_{\text {Whest }}$ - |  | 11,011 | 359,480 | 1,326, 52 21 | 519,6,3 | 4,687 | 239,8:2 | 67\%.7915 | 314,049 |
| Barley - | - ${ }^{\text {- }}$ | 1,0.1 | 3.0 .18 | 12h, 心1 | tix, joll | - | 20, ${ }^{2}$ | 47, N: |  |
| Gatr - - | - | 420 | - | 1.5, 506 | 91,113 | 137 |  | 6, | 115 |
| Malze or Indlan corn | - " | 79, 3 ,34 | 26,61\% | 45,51:3 | ?26,26:3 | 23.35 Ni | 7,760 | 14, al' $^{\text {a }}$ | 231900 |
| Gher kinls - |  |  |  | - | 1.31, 3.17 |  |  |  |  |
| Wheat flour | - " | 26,179 | 26,7.56 | 51,525 |  | 16,373 | 17,22.3 | 40,61) | 19,6.79 |
| Cotton, raw | " | 6.11 | 1.194 | - | 1,6,31) | Nr36 | 11,916 |  | , 01 |
| Cream of tartar | - | 1,150 | 1,545 | 1,261 | 512 | 7.510 | 9,101 | 6,32\% | 1, \% ${ }^{\circ}$ |
| Fritt: |  |  |  |  |  |  |  |  |  |
| (iurramts | - $\quad 4$ |  | 11,699 | 4,910 | $1!9,3,38$ 1,767 | (20,609 | 11,-69 | 4.8619 |  |
| Gumarabic |  | 1, ${ }^{\text {atitit }}$ | 4,1,35 | 4,954 | 3,s!u | 6,125 | 19,435 | 21,7, | 16, ity |
| 11 emp , dressed | - | 1.186 | 1,637 | 1,149 | 8111 | 3,14.4 | 3,04.6 | 5,01\% | \%il |
| undressed | - 1 | 13,68.3 | 13,7\% | 31, 361 | 12,382 | 33,353 | 21,480 | A4,55 | \%i,iv1 |
| Lard - | , | - | 14,745 | 21.438 | 121 | - | 52,92.] | 69050 | 44 |
| Madduer root | - " | 941 | - | 3,121 | 366 | 1,476 |  | 4,234 | $6{ }^{60}$ |
| Oil, ollve. | - tuns | 4: | 6.5 |  | $3{ }^{3}$ | 2, ${ }^{2} 18$ | $3.48 \times$ | 111 | \% 415 |
| (thl weed rake | - ton* | 519 | tis | 976 | 736 | 3,138 | 4,364 | R,:II | 2,9\% |
| Paper ami proteboard | - cwl. | 7.516 | 6,505 | 7,15.8 | 16,2415 | 19,175 | 16,250 | 15, 0 | 11,45 |
| Mak, and other materials mating prajer | - Ions | 937 | 511 | 1,139 | 1,04\% | 17969 | 11,416 | 25,70, | \%14 |
|  |  | 41.3 | 171 | 7, 710 | 1,71.3 | 3,100 | 3,3,3 | N:\| | 81,48 |
| Skins, goat | - no. | 4.2110 | 4,9410 | 27,404 | -19 | 120 | $46 \times 1$ | 2, 114 |  |
| ' lamls' | - ii' | 110 , 1 (1) | 3, 3 , 119 | \% 7 , 18 Mm | 12,419 | 7.103 .5 | 1,6, 61 | 3,im |  |
| Sponge - | - Il. | 32, ${ }^{\text {a }}$ | 99,111 | 8., 178 | 45,311 | 4,255 | 20,7610 | 12, ${ }^{4}+3$ | 6,173 |
| Tallow - | - cwit. | 12907 | 1101 | 20, 971 |  |  | ${ }_{17} 870$ | Gifinil |  |
|  | - loads | $\begin{array}{r}12,227 \\ 697 \\ \hline\end{array}$ |  | 447,90.5 |  | 101,216 30,135 |  |  | \% |
| Word, vieepl and lambs' All other articles - | - value | 697,671 | $281,21 \mathrm{~L}$ | 447,90.5 | 294, ${ }^{\text {2\% }}$ | $31,43,5$ 41,9678 | $\begin{aligned} & 11,647 \\ & 4.5,958 \end{aligned}$ |  | 311,154 |
| Total | - - | - | - | - | - | 369, $2 \%$ | 6878.24 | 1,761, mil | 1.24 .3560 |

preat facllity; aul there ess, prexsurr, or stmgnation, - eredit.
enpectable lmakers to give lhe partuers in juint-stock are it genernh, rusponsible their declared enpital: mul asing them are miny linthle their share. The sume in-- reneral merelinnt, il parther ul a member ot minsuratice bushosses muy in. present be
merted linto 'lricste arre sume-- money, a dlsennit lring nil nllowed in suln case, of at they are commonly and hat is, by bills ot that date; $y$, they aro sold at ti months. d, though oflering wo wher nignature of the drawer or connted or insured at an manies who dedicate themsolves wsiness, and wha, from their tre good judges of the risk, one almost universal ; an! it males, but hux a tundrucy teles, as it is ditheult hie a eal its insolvoney; and its de of trial, soon nseertained. Is allowed on thont art iclest of It artiches of import, except The tare on Jrazil kugar in their lengtlı nud size, but in to from 15 to 18 per cent. ; on es the tare is $\mathbf{3}$ per cent.; on a tare is allowed of tis lb . ding from 13 to 14 pereent.; on tare is 14 per echat, 'lare on per cent.
ia with the United Kingdon.arried on with Anstria by the iatie is not so great as night, en ; but it las inereased of late f the exports of Britislı produce risen from $637,3,231$, in 1833 , to In achlition to this, our indirect
vorted into the Uuited Kingdom rx cnlin! with 1 blin.









Account of the Total V'alue of the Imports anal Eispurts uf the Anstrian Eimpire (ex Dulmatiu) in cuch of seceral I wars emliny with 1867.

trade, or that carrice , w with Anstria by means of that have been made in the tariff of Austria, and the lithe and other fialets to her land frontier, the libural commerial treaties she has nerotinted thugh it cannot be exactly asectained, is known in 1 Nij and $1 \times 65$ with Prussia, and that with the to be mach greater: there is, too, wery prospeet of Zollvarem, which came into foree on tume $1,18 \mathrm{f} 8$. its future increase; our imports from Austria in And we have alrealy given in extenso the new 1867, after her loss of Venctia, were valued at treaties of 1865 and 1868 between this country
 on (German Commercial. Union] the reductions (Acsima).



IMAGE EVALUATION TEST TARGET (MT-3)




Photographic Sciences
Corporation


Account of the Values of the Principal Articles Exported irom the Austrian Empire (ex Dalmatia) in 1862, 1863, and 1864.

| Articles | 15fi | 1863 | 1861 |
| :---: | :---: | :---: | :---: |
| Anin |  | florins | for |
| Osen and bulls | 2,366,010 |  | 2,filx, 1100 |
| town | \%72,040 | 1,198.5, 1160 | 1, (12.3, 10 Mn |
| Swine | 2,817,100 | 4,0.56,1/20 | 1, $\square^{\bullet}$ |
| Rooks Nc. | Y.34.5, 1 ME | 2,574,010 |  |
| Butter | 1,3314,400 | -9105,100 | 1,9x(1, $1 \times \mathrm{HI}$ |
| Cheese Chemlcal produce and | $3 \mathrm{HOH}_{3} \mathbf{O H O}$ | 376,000 | 403,11610 |
| colours procluce and | 2,06fi, 003 | 2,017,000 | 2,347,010 |
| Clother and millinery | 7.429, $0 \times 6$ | 6,391,010 |  |
| Coals - | 1,570,003 | 1, 6664,000 |  |
| Cotton manufactures | 3,fist, (00) | 3,539,1900 |  |
| Flas | 2.71015140 | \% 5 S43, (10) | 2,067, 010 |
| Pruit | 1,500, $1 \mathrm{MW]}$ | 1,504,000 | 1,125,(160 |
| Glass andi glass wares Giraln: | 14,637,600 | 14,1:29,000 | 12,2918,140 |
| Wheat and spelt | 17,652,000 | 6,576,000 | 8,561,007 |
| Hye, millet \&c. | 2,70x, 1 Mma | 4,916,416) | 1,304, ${ }^{(N M)}$ |
| Barley and malt | 1.772, 110 | 1, 1×7,0M) | 1,27s, 1 (1m) |
| O3t | 2,1064, 0100 | 779,009 | 678, $1 \times 31$ |
| Mait | 395,000 | 313,000 | 3.1,040 |
| thers | 2,521,000 | 8,779,000 | 2,833,000 |
| Hardwares | 2x,671,(40) | 34, M11,004 | 34, 719,1011 |
| Hemp | \%,392,0100 | - $2,055,400$ | 1, onitives |
| Hides, stinsand pelty | 1,72\%.000 | 3,903,910 | 5,1143, 14119 |
| Instruments | 1,544,000 | 1,625,010 | 1,670, 1 m 10 |
| Ifon and steel, raw lron wares | (4,710,04H | 4,406,490 $7,-11,019$ | $4,726,1601$ $\mathrm{~N}, 92 \mathrm{M}, 010$ |
| Liner manufactures | - $\times 1,071,0 \mathrm{NO}$ | B,912,(00) | 11, $2 \times 28.14141$ |
| İmen yarn - | 3, 7107 , (000 | 4,701,000 | 6,156,1) 0 |
| Leather | 9,3:19,1000 | 9,243,000 | 10,3m7, (100) |
| Machinery | 1,730,000 | 860,000 | $75587 \times 10$ |
| comn - | 32,593,060 | 30,519,000 | 27,910,000 |
| Metals, common | 1,031,040 | 1,247,000 | 1,961), (1)61 |
| Salt, kitchen | 946,400 | H78,000 | 1,416, (MN) |
| Bilk | $8.673,010$ | 9.778,000 | N, 242,060 |
| manufactures | 4,757,1010 | 5,610,000 | 6,452,00\% |
| Spirits | 569,010 | 711,000 | 1,46ix,000 |
| Wheod all sorts | 1,397,014 | 1,669,040 | 2,475,049 |
| Wood | 29,468,000 | 28,129,000 |  |
| Wooden wares Wool, shleep's | 4, $22^{\prime}, 100$ | $4,311,000$ $46,433,000$ | $3,095,0019$ $47,918,100$ |
| Woollen manufactures | 17,151,060 | 17,64 4,000 | 19,158,1410 |

The great drawback under which Anstria labours, is the situation of by far the larger portion of her provinces in the central parts of Europe; and scparated from the great markets for their produce, either by a wide tract of intervening country, or by high mountain riilges. Austria is naturally an agricultural country ; and, unless compelled by circumstances to devote a portion of her energies to manufactures, will, no doubt, continue such for a lengthened period: and hence, as the prolucts of agricultural industry are at once hepvy and bulky in proportion to their value, the advantage of opening improved channels of communication with other countries. In this respect, the free navigation of the Danube is of much importanee, though a great deal more stress has been laid upon it in this courtry than it deserves. The expense of carrying corn and tinaber from Hungary to the Black Sea, and thence to the ports of Western Europe, will, we apprehend, always be found too heary to admit of England or France ever supplying themselves, ut least to any considerable extent, with the corn, flax, or timber of Hungary or Transylvania, The cost of conveying produce from the interior of the continent to the nearest shipping ports is a most important element, which is too generally lost sight of in this comptry. To sho:r its influence we may mention that on various occasions when wheat was sold at Lemberg, one of the principal markets of Galicin, for 158 , or 168 . per quarter, its price at Dantzic at the same time has been 40s. and upwards; the difference being oecasioned by the difficulty and expense of conreying corn down the Vistula from Lemberg to Dantzic.

The Austrian Government and peuple have long been alive to the many advantages that would result from opening a communication between Hlungary and Fiume, and other ports on the Adriatic. And notwithstanding the obstacles opposed by the interposition of the Julian Alps, and other mountain ridges, an excellent road his
been carried from Carlstalt to Fiume. Still, however, the expenses of the carringe of bulky products are too great to make this route sulticiently available; and the mivintage of further improving and cheapening the communication is too obvious to need being pointed out. See aute. mader the head Railways in this ariicle.

TLiNITY IlOUSE: This society was incorporated by IIenry VlII.. in 1514, for the promotion of commerec and navigation by licensing and regulatiug pilots, and ordering and erecting beacons, lighthouses, buoys \&er. A simitar societr, for the like purposes, was afterwards established at IIull; and also another at Neweastle-uponTyne in 1537; which 3 extablishments, sars Hakluyt, were in imitation of that founded by the Emperor Charles V, at Seville, in Spain; who observing the numerous shipwrecks in the voyages to and from the West Indies, occasioned by the ignorance of seamen, established, at the Cuisa di Contratacion, lectures on navigation, and a pilotmajor for the examination of other pilots and mariners; having also directed books to be published on that subject for the use of navigators But Inkluyt must surely have been in error, for as Charles V. was not born till 1500, he conld not well before 1514 have set up any institution toserve as a model for our Trinity House. It is mud bore likely that he copied the English example.

Henry VIII., by his charter, contirmed to the Deptford Trinity House Society all the nacient rights, privileges \&c., of the shif men and mariners of England, and their several possessions at Dept ford, from which it is plain that the Society lad existed long previously. The corporation vias contirmed, in 1685 , in the enjorment of its privileges and possessions, by letters patent of the lst James II. by the mame of the master, wardon? and assistants of the Guild or Fruecrnity of the most glorious and undivided Trinity and of \&t Clement's in the parish of Deptford Strond, in the County of Keat. At first, the corporation appears to have consisted of seamen only; but since the charter of James II., noblemen and gentlemen liave been earolled among its elder lrethren. It is governed by 31 elder brothers, of whom 1 is master, 4 wardens, and 8 assistants: but the inferior members of the fraternity, named younger bretliren, are not limitel in point of number; every master or mate, expert in navigation, being admissible as such. Besides the power of erecting lighthouses, and other sea-marks, on the several consts of the kingdom, for the security of nari-gation-[Ligntiouses], the master, wardens, assistants, and elder brethren, are invested by charter with the following powers; viz the appointment of pilots io conduct, ships iato and out of the Thames; the settling the several rate of pilotage. They formerly, alfu, e. joyed serenal other powers, which have since fallen into disue or been vested in other hands. The corporation is authorised to receive voluntary subscriptions, benefactions \&c.; and to purchase, in mortmain, lands, tenements \&c. to the amount of 5001. per annum. The ancient Hall of the Trinity llouse at Deptford, where the meetiugs of the brethrea were formerly held, still exists, but is now only used as a Pay Hall for Pensioners. The corporation now meet in $\boldsymbol{a}$ handsome building erected for the purpose in London, near the Tower.

The revenue under the management of the Trinity House, which arose from dues payable to the corporatiou on account of lighthouses, buopage, and beaconage, and ballastage, and from the interest of money in the fuuds and the rent of frechold property, has been principally expended on pensions to poor disabletl seamen, and on the

## Y HOUSE

urlstadt to Finme. Still, of the carringe of bulky to make this route rai. Ithe nilvintage of furthet aing the commmnication is ng pointed ont. See aute in this aricle.

This society was incorI. in 1514 , for the promo. avigation by licensiug and ordering and erecting bea. is \&e. A similar socictr was afterwarils established wother at Newcastle-upon. h 3 establishments, sary ation of that formded by the at Seville, in Spain; who is shipwrecks in the voyages : Indies, occasioned by the established, at the Casade on uavigation, and a pilot. nation of other pilots and directed books to be pab$t$ for the use of navigators. rely have been in error, for, born till 1ovo, he could not et up any institution to serve rinity House. It is much pied the English example. a charter, contirmed to the use Society all the ancient of the ship men and mariners sereral possessions at Deptplain that the Socicty had asly. The corporation vas the enjoyment of its priviby letters patent of the list me of the master, wardens, Guild or Frucernity of the unliviled Trinity and of 8 t. shl of Deptford Strond, ia the first, the corporation appeats seamen only; but since the F., noblemen and gentlemen mong its elder brethrea. It der brothers, of whom 1 is hd 8 assistants: but the infraternity, named younger nited in joint of numbet; , expert in navigation, being Besides the power of erecting sea-marks, on the several $m$, for the security of naviESS ], the master, wardens, brethren, are invested by llowing powers; viz the io conduet, ships into and he settling tle several rata rmerly, als v, e.joyed seveal have since fallen into disuse er liands. The corporation ive voluntary subscriptions, d to purchase, in mortmain, to the amount of 5001 . per * Hall of the Trinity ltouse be meetings of the brethrea till exists, but is now ondy r Pensioners. The corparaandsome building erected for n, near the Tower. Ir the management of the arose from dues payable to ount of lighthouses, buoyage, pallastage, and from the inthe funds and tho reat of 3 been principally expended isabled scamen, and on the
maintenance of their widows, orphans (w. and it been used in most parts of scotland in weighing is admitted that it was both fudiciouslv ant economically administered. Flueduties for lights, bans, and beacons hencetorth, however, under the provisigns of the $16 \& 17$ Vict. $\mathbf{c}$. 131 , form part of the "Mercantle Marine Fund.' 'The det prorides that payments now chargeable on the 'fund' fur pensions \&c., may be commuted. The expenses of lighthouses, ballastage, and beaconure, are also to be charged on the 'fimd,' and the races of toll are to be revised and tixed by lier Majesty in council 'The banlastage rates ander the T'rinity House, being n charge pecoliar to the Thames, are to be made peculiarly applieable to services performed for the snfety and convenience of the shipping frequenting thitt river. [Bawast.]
TRINII)Al. [Colonies.]
TRIPANti or SEA SLUG (Biche de Mer). A species of tish of the genus Mohethuria, found diefly on coral reefs in the Enstern sens, null highty esteemed in Chinn, into which it is inported in Inrge quantities. It is an unseemly looking substance, of a dirty brown colour, hard, ngid, searcely possessing any power of locomotion, or appearance of animntion. Sometimes the slup is as mueh ns 2 teet in lengrth, and from 7 to 8 inches in circumference. A span in length, and 2 or 3 inches in girth, is, however, the ordinary size. The quality and value of the fish, however, do not by any means denend npon its size, but upon properties in it neither obvious to nor discernible of those who lave not been long and extensively eligaged in the trate. In shallow water the aumal is taken out by the hand, but in deeper water it is sometimes spearel. When taken it is pitted, dried in the sun, and smoked over a wood fre: this being the only preparation it receives.
The fishery is carried on from the western shores of New Gininea, and the southern shores of Anstralia, to Ceylon inclusive. Indeed, within the hat few years it has been successfilly prosecuted on the sliores of the Manritius. The whole produce gocs to China. In the market of Maeassar, the great staple of this tishery, not less than thirty varieties are distinguished, varying in price from 5 Spanish dollars a picul ( $133_{\frac{1}{3}} \mathrm{lb}$.) to It times that price, each varicty being distinמuished by well-known names. The quantity of tripang sent annunlly to China from Mneassar is about 7,000 pieuls, or $8,333 \mathrm{cwt}$. : the price usually varying from 8 dollars a picul to 110 and 115 , according to quality. (Crawford's Indian Archipelaga, vol, iij. p. 441.) There is also a considerable export of tripans from Manilla to Canton.
Besides tripang. fish-maus anul sharks' fins are exported to China from every maritime country of India.
TROY WEIGHTS. One of the most ancient of the different kinds used in Eritain. The pound English troy contains 12 ounces, or 5,760 grains, It is used in the weighing of gold, silver, and jewels; the compounding of medicines; in experiments in natural philosophy; in comparing different weights with each other; and was (by 5 Geo. IV. c. 74 ) made the sinndard of weight.
Troy Weisiat, Scotch, was established by James VI, in the vear 1618, who enacted that only we weight should be used in Scotland, viz. the Freach troy stone of 16 pounds, and 16 ounces to the pound. The pound contains 7,609 grains, and is equal to 17 oz .6 dr . avoirdupois. The ewt. or 112 lb . avoirdupois, contains ouly $103 \mathrm{lb} .2 \frac{1}{2} \mathrm{oz}$. of this weight, though generally reckoned equal to 10t lb. 'lhis weight is very nearly identical with that formerly used at l'aris and Amsterdam; and is generally known by the name of Dutch weight. Though prohibited by the articles of Union, it has
irum. hemp, thax, and other Duteh and lialtic groods, meal, butcher's ment, leal de. [Wbinats ANH MEAsultes.]

ThLCK SYSTEM. A name given to n practiee that has prevailed, partienlarly in the mining mul manufacturing listricts, of paying the weges of worknen in goods instem of money. The plan has been, for the masters to establish warehouses or shops; aut the workinen in their employment have either got their wares aceonnted for to them be supplies of goods from such depôts, vithont receiving nuy money ; or they have got the monev, with a tacit or express molerntanding that thes were to resort to the warehouses or sliops of their masters for such articles as they were furnished with.

Adeantages and Disadrantages of the Truct System.-A great deal of contrulictory evidence has been given, and very opposite opinions have been hed, as to the practical operation and ieal etlect of this system on the workmen. Nor is this to be wondered nt, seeing that everythins depends on the mode in which it is alminnstered, and that it may be either highly advantageous or hishly injurious to the labourer. If a manafacturer of character establish a shop supplied with the prineipnl artieles reguired for the use of the workmen in his employment, and five them free liberty to resort to it or not as they please, it ean, at all events, do them no harm, and will, most likely, render them material service. 'The manntacturer, having the command of capital, may, in general, lay in his foods to greater alvantage thun they can be laid in by the greater number of retail tradesmen in moderate-sized towns; and not being tlependent on the profits of his shop, for support, he is, even though he had no at.vantare in their purchase, able to sell his goods at a cheaper rate than they can be afforded by the majority of shopkeepers. Sometimes, also, a factory is established in a district where shops either do not exist at all, or are very deficient; and in such eases the master consults the interest nut convenience of those tependent on him when he provides a supply of the principal articles required for their subsistence. It is easy, therefore, to see that the keeping of shops by masters for the uso of their workmen may be very beneticial to the latter. But to insure its being so, it is indispensable that the masters should be above taking an advantage when it is within their reach, and that their conluct towards the workmen should not be in any degree intluenced by the circumstance of the latter dealing or not dealing with their shops.

Such disinterestedness is, however, a great deal more than could be rationally expeeted from the generality of men; and hence, though many iustances may be specified in which the truck system was ndvantageous to the workinen, those of a contrary description were ur fortmately far more numerons. It is obvious, indeed, that a practico of this sort affords very great facilities for fraudulent dealings. Under the old law, a manufactırer who had a shep, had means, supposing he were inelined to use them, not possessed by any ortinary shopkecper as respects lis customers, for forcing upon his workmen inferior goods at an exorbitant price. They are at first supplied on liberal terms, and are readily accommodated with goods in anticipation of wages, till they get considerably into debt. The pernicious intluence of this deceitful system then begins fully to disclose itself. The workmen cease to be free agents; they are compelled to take such goods and at such prices as the master pleases; for, were they to at-

## TRUCK SYSTEM

tempt to emnncipato themselves from this state of thralitom by leaving their employment, they would be exposed to the risk of prosecution and imprisonment for the debts they had incurred. It is not ensy to imagine the extent to which these facilities for defrauding the lubouring class were taken advnntace of in various districts of the comntry. In mauy instances, indeed, the profits made by tho shops exceeded those made by the business to which they were contingent; and thousnnds of workmen, whose wages were nomiunlly 30 s . a week, did not really receive, owing to the bad quality and high price of the goods supplied to them, more than 20 s ., and often not so much.

Abolition of the Truck System.-A system of dealing with the labouring classes, so very susceptible of abuse, and which, in ?oint of fact, was very extensively nbused, wis londly and justly complained of. $\boldsymbol{A}$ bill was in consequence introduced for its suppression by Mr. Littleton (now Lord IIntherton), which, nitter a great deal of opposition and diseussion, was passed into a law, 1 \& 2 Wm. IV. c. 32 . (See nbstract subjoined.)

Those who opposed this Act did so on two grounds: 1st, that it was improper to interfere at all in a matter of this sort; and 2 nd, that the interference would not be effective. The first of these objections does not appear entitled to any weight. In suppressing the truck system, the Legislature did nothing that conld in anywise regulate or fetter the fair employment of capital ; it interfered merely to put down abuse; to carry, in fact, the contract of wages into full effect, by preventing the workman from being defrauded of a portion of the wages he had stipulated for. The presumption no doubt is, in questions betweea workmen and their employers, that Government had better abstain from all interference, and leave it to the parties to adjust their disputes on the principle of mutual interest and compomised advantage. Still, however, this is merely a presumption; and must not be viewed as an absolute rule. Instances have repeatedly occurred where the interference of the Legislature to prevent or suppress abuse, on oceasions of the sort now alluded to, has been imperionsly required, and been highly adrantageous. Those who claim its interposition are, indeed, bound to show clearly that it is called for to obvinte some gross abuse, or that it will materially redound to the publie advantage; and this, we think, was done in the completest manner by the opponents of the truck system. Regard for the interests of the more respectable part of the masters, as well as for those of the workmen, required its abolition; for, while it continued, those who despised taking an advantage of their dependants were less favourably situated than those who did. It is ludierous, therefore, in a case of this sort, to set up a cuekoo cry nbout the 'freedom of industry.' The grod incident to the truck system was in practice found to be vastly overbalanced by the abuses that grew ont of it; and as these could not, under the existing law of debtor and creditor, be separately destroyed, the Legislature did right in attempting to suppress it altogether.

It was said, indeed, that this would be found to be impracticable; and the manufncturers would enter underhand into partnerships with the keepers of shops, and that the system would really be continued, in another and, perhaps, more objectionable form. This anticipation has, we believe, been in some degree realised; but the system leas notwithstanding been in many places abandoned, and is nowhere practised to anything like the extent to which it was carried previously to the passing of Lord Hatherton's Act. It will not,
however, be completely rooted ont, till all small delts, however they originate, be put beyomil the pale of the law. We havo already viudicated the expedieney of this measure on other grounds [Cumitr]; and the influence it would have in effectually destroying whatever is most pernicions in the truck system, is a weighty additiounl recommendation in its favour. Were all right if action upon debts for less than $50 l$. or 1001 . taken nway, no master would think of acquiring a control over the free agency of his workmen, by getting them in debt to him; and no workmen would, under such circumstances, submit to te directed in his choice of shops or goods. The case of the Scotch colliers afforils a curious illustration of what is now stated. Down to 1670 these persons were really adscripti gleba. or pradial slnves; that is, they and their deseendants were bound to perpetual service at the works to which they belong, a right to their labour being aequired by any new proprictor to whom the works were sold. The 10 Geo. III. c. 28 was passed for the emancipation of the colliers from this state of bondage. It, however, failed of practirally accomplishing its object; for the masters speetily contrived, by making them advances in anticipa tion of their wages, to retain them as completely as ever under their control. To obviate this abuse, the 39 Geo. 1II. c. 56 was passed; which most properly took from the masters all title to pursue the colliers for loans, unless advanced for the support of the collier and his family during sickness. This Act had the desired eflect; and the colliers have since been as free as any other class of lnbourers. (See edition of the Weath of Nutions by the nuthor of this work, p. 172.) ln fact, were small debts put beyond the pale of the law, it would not be necessary to interfere directly with the truck system; for it wonld not then be possible to pervert it to any very injurious purpose.
The following are the principal clauses $\mathbf{i}$ : the Aet 1 \& 2 Wm IV. c. 37 , entitled 'An Aet to prohibit the Payment in certain Trades, of Wages in Goods, or otherwise than in the Current Coin of the Realn: ':-

1. In all contraets hereafter to be made for the hiriag of any attificer in any of the trades hereinnfter enumerated, or for the performance by ayy artificer of any labour in any of the said trades, the wages of such artificer shall be made payable only in the current coin of this realm, and not otherwise ; any contract to the contrary being illegnl, null, and void.
2. If such contract contain any stipulatioas as to the manner in which the wages shall be ex pended, it is void.
3. Wages must be paid to the workman in coin only. Payment in goods illegal and void.
4. Artiticers may recover wages, if not paid in the current coin.
5. In an action brought for wages, no set-ofi shall be allowed for goods supplied by the employer, or by any shop in wiilich he is interested.
G. No employer shall have any aetion or suit in equity against his artificer, for goods supplied to him on account of wages, or supplied by aay shop in which he has an interest.
6. If the artificer, or his wife or children, become chargeable to the parish, the overseers may recover any wages earned within the 3 preceding months, snd not paid in cash.
7. Nothing in this Aet is to invalidate the pay ment of wages in bank notes or drafts on any bankers within 15 miles, if artifiecr consents
8. Any employer of any artificer in any of the

F rooted out, till all small iginnte, be put beyond the ave already viulicated the geasure on other grounds afluence it would lave in vhatever is most pernicious is a weighty additional reavour. Were all right of ess than 50l. or 1001, taken uld think of acquiring a agency of his workmen, by to him; and no workmen reumstances, submit to le of shops or goods. The liers afforils a curions illusw stated. Down to lï, really adscripti glebce, or s, they and their descend. rpetual service at the works a right to their labour being r proprictor to whom the 15 Geo. III. c. 28 was passed $f$ the colliers from thins state ever, failed of practially ct; for the masiers speedity them advances in anticipa retain them as completely control. To ebviate this I. c. 56 was passed; which m the masters all title to leans, unless advanced for ollier and his family daring rad the desired eillect; and been as free as uny other see edition of the Wealth of r of this work, p. 172.) la put beyond the pale of the necessary to interfere dic system; for it would not rvert it to any very injurious
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ct is to invalidate the pay ak netes or drafts on aay es, if artificet consents. any artificer in any of the
traiks hereinafter enumerated, who shall, by himtilf, or by the agency of any other person directly iudirectly enter into any contract, or make any naymet hereby declared illegal, shall, for the fist ollence forfeit a sum not exceeding 101, nor last than 5 ., and for the second offence any sum not exceeding $20 l$. nor less than $10 l$., and for a third offence ho shall be guilty of a misdemeanor, and be punished by fine only, at the discretion of the court, so that the tines shall not in any esse exced $100 l$.

10. Offences shall be enquired of and fines reovered befora 2 justiees, and the amount of the fines shali be in the diseretion of such justiees, of in eases of misdemeanor, of the court before rhich the oftenco may bo tried; and in case of a seond otlence, it shall be sufficient evidence of the previons conviction, if a certificate, signed by the offien having the custody of the record, be moduced, stating in a compendious form the peatral nature of the offence. Ihit a second or dird offence shall only be punished as a tirst if secoad ofience, if committed within 10 days yter the prior conviction ; and a fourth or any ybsequent offence shall be punished as a third fence. But no second or third offence shall be prosecuted after more than 2 years from the commision of the next preceding offence.
11. Justices may compel the attendance of ritnesses, on the request of the parties. Penalty wnon-attendance without excuse and after proof if due service of summons it the usual place of bode for such persens, 24 hours at least before the time appointed for appearance, a commitment to sme prison within the jurisdiction of the justices, rithont bail or mainprize, for not excecting 14 ars, or uatil such person shall submit to be samiaed.
Sections from 12 to 18 inclusive regulate pronedings.
12. Aet only to apply to tha following trades : yaking, casting, converting, or manufacturing * iron or steel, or any parts, branches, or proses thereof; working any mines of coal, irontaie, limestone, salt rock; or working or getting tone, slate, or clay; or making or preparing salt, trichs, tiles, or quarries ; or making or manufactaring any kinds of nails, chains, rivets, anvils den keys \&c., or any other articles or hardwares male of iron or steel, or of iron and steel combined, eof any plated articles of cutlery, or of any goods twares made of brass, tin, lend, pewter, or other vetal, or of any japanned goods or wares whatsoret: or making, spinning, throwing, donbling, ninding, weaving, combing, knitting, bleaching, treing. printing, or otherwise preparing any kinds if roollen, worsted, yarn, stuff, kersey, linen, Latian, cloth, serge, cotton, 'eather, fur, hemp, tis, mohair, or silk manufactures whatsoever, or wr mannfactures whatsoever made of the said his-mentioned materials, whether the same be que not mixed one with another ; or making or therwise preparing, ornamenting, or finishing any flas, percelain, china, or earthenware whatsobet, or any parts, branches, or processes thereof, a aay materials used in any of such last-mentined trades; or making or preparing of bene, taread, sils, or cotton lace, or of lace made of any mixed materials.
13. Not to extend to any demestic servant, or arsant in husbanary.
14. No one engaged in any of the trades or tupations enumerated, or his father, son, or bother, shall act as a justice.
15. County magistrates to act in cases where those of towns are disqualified as above.
16. Noc to prevent any employer from supply-
ing or contracting to supply to any artificer any medicine or medical atteudance, or any fuel, or any materials, tools, or implenents to be by such urtitleer amployed in his trade or occupation, if such artificers be employed in mining, or any lay, corn, or other provenier to be eonsumed by any Lorse or other beast of burien employed by any such artificer in his trade and occupation; nor from demising to any artilicer employed in any of the trades and ocenpations enumented the whole or any part of any tenement at any rent: nor from supplying or contracting to sapply to any such artiticer any vietunts tressed or prepured uniler the roof of any such employer, and there consumed by such artificer; nor from nakiug or contracting to make any dednction from the wages of any artificer for any sueh rent, or medicine or medical attendsuce, or fuel, materials, tools, implements, hay, corn, or proveluler, or such victuals, or for any money alvanced to ench artificer for any sucla pirpose; but such delaction shall not exceed tha true value of snch fuel, materinls, tools, implements, hay, corn, and provender, and shall not be in nyy caso made from the wages of such artificer unless the agreement for such deduction shall be in writing and signed by such artificer.
17. Not to prevent any such employer from advancing to any such artificer any money to bo by $\lim$ contributed to any friendly socicty or bank for saviags, or for his relief in sickness, or for the education of any child of such artificer, nor from deducting or contracting to deduct any money from the wages of such artiticers for tho education of any such child, provided the agreement for such deduction shall be in writing and signed by such artificer.
18. Workmen, labourers, and other persons in any manner engaged in any employment or operation, in or about the several trades and occupations aforesnid, shall be deemed 'artificers;' nnd all masters, bailifis, foremen, managers, clerks, and other persons engaged in the liring, employment, or superintendence of the labour of any such artificers shall be deemed to be 'employers:' and any money or other thing had or contracted to be pnid, or givea as a remuneration for any labour done or to be done, whether within a certain time or to a certain amount, or for a tinse or an amount uncertain, shall be deemed to be the 'wages' of such labour; and any agreement, understanding, device, contrivance, collusion, or arrangement whatsoever on the subject of wages, whether written or oral, whether direct or indirect, to which the employer and artificer are parties, or are assenting, or by which they are mutually bound to each other, or whereby either of them shall have endeavoured to impose an obligation on the other of them, shall be deemed a 'contract.'

TRUFFLES. A sort of vegetable production, like a mushroom, formed under ground. A few have been found in Northamptonshire; they are pretty abundant in Italy, the south of France, and several other countries. The French are black and warty externally, while the Piedmontese are smooth. They are reckoned a great delicacy. The pâtés aux truffes d'Angoulême are highly esteemed, and are sent as presents to very distant places. In 1867 we imported $33,003 \mathrm{lb}$. of truffles, valued at 18,5651 ., and exported 284 lb. (Brande and Cox's Dictionary of Science and $A \cdot t$; \&c.)

TUNIS. The capital of the regency of the same name, on the northern coast of Africa, the Goletta fort being in lat. $36^{\circ} 48^{\prime} 30^{\prime \prime}$ N., long. $10^{\circ} 25^{\prime} 45^{\prime \prime} \mathrm{E}$. The bay of Tunis is somewhat in.
the form of a liorseshoe. Its westerin ext remity, Cape Carthage, is situated abont 14 miles N. E'. from the Golettin; and its eastern extremity, Cape Zafran, hears Emon Capo Carthage E. by S., distant about 13 miles. The bay is nbout it; miles deep, and has good anchornge all over, in from 10 to 4 tathoms water. It is exposed to the N. and N.S. gales; but they seldom oceasion any dnmage. I'unis lies on the west side of the bay, being separated from it by a large lagoon, having, where deepest, about 7 feet wnter. The port is at the Goletta, or chunnel, passing through the narrow belt of lanis separating the lagroon from the sea; the entrance to it is by a canal, in which there is at all times 15 feet water; and ships may use it on paying a fee of 3 dollnes n-lay. It is not, however, much resorted to; all vessels of considerable burden loading and unloading from their moorings in the biny, by means of lighters. Tho population of Tunis has been variously estimated at from 100,000 to 150,000 , being the most populous of any African city after Cairo. 'The streets are narrow, unpaved, aml filthy. The buildings, though of stone, are mean and poor ; mud the inhabitants present the picture of poverty and oppression. There is a fort at the Goletta, of considerable strength,

Trade.-Notwithstanding the various drawbacks arising out of the nature of the government, and the ignorance and prejudices of the people, commeree and industry are in a more advanced state in Tunis than in any other part of Northern Africa, Egypt excepted. Though subject to droughts, the climate is, on the whole, excellent. 'The soil still preserves that exu'erant fertility for which it was famous in antiquity.

Non quicquid LAbycis terit
Fervens area messilius. (Se
Fervens area messibus. (Senec. In Thyest.)
It seldonn receives any other manure than that of sometimes burning the weeds and stubble; and yet, in despite of its slovenly culture, the crops are lusuriant ; aud there is gencrally a considerable excess of whent and barley for exportation. Corn is principally shipped at Biserta, about 50 miles west of 'lunis. Olive dil is one of the principal articles of export. It is of various qualities ; some good, and some very indifferent. Susa is said to be the best place for its shipment. Soap of an excellent quality is largely manufactured in the regency. It may be had either soft or in wedres. The soft is made of barilla and pure oil, and is much esteemed. The hard soap is made from the lees of oil, and is reckoned very strong. The principal sonp-works are at Susa. Little, however, is prepared on a speculative anticipation of $n$ demand for exportation; but any quantity may be had by contracting for it a few months before the period when it is wanted. A sort of woollen seull-caps are largely exported. They are in extensive demand all over the Levant, and are nowhere made in such perfection as here. Ivory and gold dust, hides, wax, moroceo leather, sponge, barilla, coral, lates, ostrich feathers se. are among the articles of export.

The imports from Europe consist of woollens, coarse German linens, cotton stuffs, hardware, sugar, cotfee, spices, tin plates, gunpowder, lead, alum, dye stuffs, wine, silk, Spanish wool \&c. There is very little direct trade between Tunis and England; but a good deal is indirectly carried on, through the intervention of Malta and Gibreltar. Marseilles has probably the largest share of the trade with the regency. The value of the exports to Tunis of British produce and manufnctures, clictly cotton, was in 1845, 102,077l., and in $186 \pi, 67,204 l$., while the value of our imports sent thence in 1867 was $6,325 l$.

Jxclusive of the trale by sea, $n$ coltsiderat trailo is carried on letween 'Tun' and the inter of Africa, by means of enravabs. These imp slaves, gold dust, ivory, feathers, drugs icc. Th carry black cotton stufts, linens, hardwari, spici coel neal isc.

Anval and military steres imported into Thu pay no dinty. Other articles pay a duty of in cent. al valorem on a rated tariff. Obistructio arising out of monopolles de. are vecasional thrown in the way of exportation; and in paner it is necessary, before proceeding to ship, to obta a tishery, or license to that elfeet, from the be That, however, may be, for the most part, prem cured without much ditliculty.

Money,-Aceounts are kept in piastres of carobas or 52 aspers. The piastre is worth abo 1s. 1d. sterling. The asper is an imachima money. The value of foreign coins depeals the state of the exchnnge.

Weights. - Gold, silver, anil pearls nre weigh by the ounce of 8 meticals; 16 of these nind make the 'Tunis pound $=7.773 .5$ ling. grs. 'I' principal commereial weight is the cantaro, a taining 100 lb ., or rottoli, being equivalent $111 \cdot 0 ; 1 \mathrm{lb}$, avoirll., or $50 \% 66$ kilog.

Measures.-The principal corn measure is caliz, dirided into 16 whibns; and the whiba i 12 sahas. One cafiz $=14 \frac{1}{2}$ imperial bushels.

The wine measure is the millerolle of M seilles $=14 \cdot \mathrm{i}$ imp. gailons, or $64: 33$ litres, It divided into $6 \frac{1}{2}$ mitres. The prineipal cil meas is the metal or mettar $=5 \cdot 125$ wine gallons, $19 \cdot 39$ litres; but it is of different dimensions, different parts of the country; and is larger Susa, whence most of the oil is exported, than T'unis.
The pic, or principal long measure, is of sorts; viz. the pic woollen measure $=26.5$ bi inches; the pie silk measure $=24.8$ do.; and pic linen measure $=18{ }^{\circ} 6$ do.

For further particulars see that ehapter Shaw's Travels in Burbary \&c. (one of the $m$ learmed and excellent works of the kind in linglish langunge), that treats of the kingdom 'Tunis;' Macgill's Account of Tunix, passit Jackson's Commerce of the IIfediterranean, 55-56 ; Kelly's 「ambist ; Parl. Pupers; de.
livins of Canthage.-'lhe famous city Carthage, one of the greatest emporiums of ancient world, long the mistress of the sea, the most formidable enemy of Rome, was situa near the cape which still bears her name, ab 10 miles north-east from Tumis. Such, howev have been the alterations on the coast, that port of the city, within whose ample expa whole uavies used to ride, is now wholly tilled a antiquaries differ as to its sitnation; ind the has in some places receded from 2 to 3 miles lir the ruins of the builings by which it was merly skirted. The common sewers are still $i$ very perfect state, as are several cisterns, pub reservoirs, and other remains of that sort, w the fragment of a noble aqueduct that suppl the city with water. But besides these and very few Punic inscriptions that have beend up, there is nothing left to attest the anci grandeur and magnificence of the city, or identify it with the illustrious people by whom was founded and occupied till its destruction Scipio Nasica. There are no temples, 10 triu phal arehes, no granite columns or obelisks coves with Phoenician characters, and no ancient en blatures. These lave all fallea a sacrifice hostile attacks, or to the destroying laud time.

Nune passim, vix religulas, vix nomina serv
Obruitur, propetis non agnoscenda ruinis.
rade be sea, a consileral ween 'lun' . nid the interi of enravans. These impo $r$ feathers, cleurs de. Th fis, linens, hardware, spiee
stcres imported into 'lut articles pay a duty of $\mathbf{3}^{\prime \prime}$ ratel tariff. Obitructio polles de, are oecasiontul exportation ; and ingmen proceeding to ship, to obtai that etleet, from the be be, for the most part, pri itliculty.
are kept in pinstres of The piastre is worth abo e asper is ant imagima ot forelgra coios depeails. nge.
ver, and pearls are weigh eticals: 16 of these oum $d=7,773 \cdot 5$ Eng. grs, T weight is the cantaro, en ottoli, being equivalent $50 \cdot 36$ kilog. incipal corn measure is $t$ whibas; and the whituin $=14 \frac{1}{2}$ imperial bushels. is the millerolle of M llons, or $\mathbf{6 4} 433$ litres. it

The principal cil measi $\operatorname{tar}=5 \cdot 125$ wine gallous, of different dimensions country; and is larger f the oil is exported, than
ipal long measure, is off voollen measure $=26.5 \mathrm{k}:$ measure $=24 \cdot 8$ do. ; and $3 \cdot 6$ do.
mulars see that chapter trbary $\& c$. (one of the $m$ works of the kiad in hat treats of the kingdom Account of Tunis, passi of' the IIfediterranean, ist ; Parl. Papers; dè. AGE.-The famous city greatest emporiums of he mistress of the sen, nemy of Rome, was situat still bears her name, abe rom Tunis. Such, howev tions on the coast, that thin whose ample expa ide, is now wholly filled o its situation ; and the ceded from 2 to 3 miles it lings by which it was common sewers are still it are several cisterns, pub remains of that sort, w ble aqueduct that supph But besides these and ptions that have beend left to attest the anci ficence of the city, or ustrions people by whon pied till its destruction are no temples, no triu columns or obelisks cove cters, and no ancient en all fallen a sacrifice the destroying haud
ch mutllated fragmonts of buildings as still main are evidently the work of a later age; of see who ocenpied the city between the period wa a colony was sent to it by Augustus, and final suluversion by the Saracens in the seventh nturr.
flitiBITII or TURPETIL. The cortical part the rool of a species of Convolvulus, brought mulifferent parts of the East Indies. It is a gaish root nbout the thickiress of the tlager, gnous, heavy, of a brownish hue without and fitish within. It is imported cloven in the dille, lengthwis', nud the heart or woolly gter taken out. The best is ponderous, not Ginkled, easy to break, and diseovers to the cye inge guantity of resinous matter. At first it wes an impression of sweetness on the taste; w, when chewel for some time, betrays a nanseyecrimony. It is used in medieine, but only 1 small extent. (Lewis's Mat. Med.)
Itrati [Minerat.]. The name given by milsts to the subsulphate of mercury.
IURBOT (Pleuronectes maximus). A wellwn and highly estemed species of fish. Very widerable quantities of turbot are now taken on sious parts of onr coasts, from the Orkneys to Land's lind, yet a preference is given in the adon markets to those caught by the Dutch. Wlatter sre said to have sometimes drawn as wh as 80,000 l. in a single year, for turhots sold london.
Fresh turbots, however taken, or in whatever it imported, may be imported free of duty. [3M.]
TURKEY. [Constantinople; Gatacz;

flRMERIC. The root of the Curcuna longa. fexternally greyish, and internally of a deep dy yellaw or saffron colour ; very harel; and fulilike, either in figure or size, to ginger. It should be preferred which is large, new, sons, difticult to break, and heavy. It is imfat from Bengal, Java, China \&c. Small antities of it have also been grown in England. Ths a somewhat aromatic, and not very agrecith smell; and a bitterish, slightly acrid, but ther warm taste. It used to be in considerable cimation as a medicine; and is extensively used fodia for culinary purposes, entering into the aposition of curry powder and other articles; Pasope, it is only used as a dyc. It yields a patifal bright yellow colour; which, however, utrenely fugitive, and no means have hitherto vadiscovered of fixing it. It is sometimes emjired to heighten the yellows made with weld, a togive an orange tint to scarlet; but the twe imparted by the turmeric soon disappears. Lekis's Mat. Med. ; Bancroft On Coluurs, vol. i. 196; British Pharmacopcia, 1867.)
The duties on turmeric, after being reduced in解, were wholly repealed in 1845 . The imports, widh have been nuch augmented since 1850 , anated in 1867 to 1,841 tons, valued at 40,5551 .; ire-exports during the same year being 1,397 as The price of turmeric in London in. 1867 ried from 181. 3s. to $22 l$. 78. per ton. The baby and Sinde bring the lowest, and the ingal anil Pegu the highest price.
TLRPENTLNE. (Ger. terpentin; Fr. térébentine; Ital. trementina; Russ. skipidar; Pol. ypatyna). There are several species of turpense, but all of them possess the same general and tamical properties.

1. Common Turpentine is a resinous juice which ardes from the Seotch fir or wild pine (Pinus phatris). The trees which are most exposed to aran, and have the thickest barks, yield it in
the greatest abundance. Thev begin to produce it when about 40 years old. 'The bark of the tree is wounded and the turpentine flows out ln drops, which fall into a hole, or sort of cup, previously rlig at the foot of the tree, holiling about $1 \frac{1}{2}$ piat. It is purlfied by being exposed to litpucty in the sin's rays, lin barrels pertorated in the bottom, through which it filters. In the United States, the collection of turpentine is conthded chiefly to negroes, each of whom has the charge of from 3,000 to 4,000 trees. The process lasts all the year, although the inclsions are not made in the trees till the middle of March, and the flow of the turpentine generally ceases about the end of October. The hoxes are emptied 5 or 6 times during the year; and it is estimnted that 250 boxes will produce a barrel weighing 320 lb . Turpentine has a strong, somewhat fragrant odour, and a bitter, disagreeable taste ; its consistence is greater than that of honey; its colour dirty yellow; and it is more opaque than the other sorts. We import it chiefly from the United States.
2. Venice Turpentine is the prodnce of the larch (Pinus Iarix). It is obtained by boring a hole into the heart of the tree about 2 feet from tho ground, and fitting into it a small tube through which the turpentine flows into vessels prepared for its reception. It is purified by straining throngh cloths, or hair sieves. It is more tluid, laving the consistence of new honey, a yellowish colour, and is less unpleasant to the smell and taste than the common turpentine. Genuine Venetian turpentine is principally obtained from the forests of Baye, in Provence; but much of that to be found in the sliops comes from America, and is, perhajs, obtained from a different species of fir.
3. Canudian Balsam, or Turpentine, is obtained from incisions in the bark of the Pinus balsamea, a native of the coldest regions of North America. It is imported in casks, each containing about 1 cwt. It has a strong, not disagrecable odour, and a bitterish taste; is transparent, whitish, and has the consistence of copaiva balsam. [Baisam.]
4. Chian, or Cyprus Turpentine, is obtained from the Pistacia Terebinthus, a native of the north of Africa and the south of Europe, and cultivated in Chios and Cypras. It flows out of incisions made in the bark of the tree in the month of July; and is subsequently strained and puritied. It has a fragrant odour, a moderately warm taste, devoil of acrimony or bitterness, and a white or very pale yellow colour; it is about as consistent as thick honey, is clear, transparent, and tenacious. From its comparative high price, Chian turpentine is seldom procured genuine, being for the most part adulterated cither with Venctian or common turpentinc. The different species of turpentine may be dissolved in rectified spirit, or pure alcoliol ; and, by distillation, they all give similar oils, which, from their being distilled (and not from any resemblance to alcohol, or spirits properly so cailed), are vulgarly termed spirit of turpentinc. If the distillation be performed with water, the produce is an essential oil, the common spirit of turpentine; and if the distillation be carried on in a retort, without water, the product is more volatile and pungent-a concentrated oil, as it were-and is called the ethereal spirit of turpentine. The residuum that is left, in both cases, is a brownish resinous mass, brittle, capable of being melted, highly inflammable, insoluble in water, but mixing freely with oils: it is the common rosin of commerce. (Lib. of Entert. Knowledge, Vegetable Substances; 'Ihomson's Dispensatory.)

In 1867 our imports of common turpentine were 5 C

40,035 ewt., valued it $19,419 \%$. Over two-thirds of this quantity eame from the Vilted stater.

TURI'ENTXNE, OLS OF (Ger, terpentini3; Fr. eau de raze, huile de téribenthine; lal. nétuit di rasn; Span, nguarras). The essential oil drawn from turpentine ly distillation. There ure two sorts of this oll: ilie best, red; and the second, white. It is very extensively used by hotse painters, and in the manufacture of varnish, in medicine de. The distillers have been charged with using it in the preparation of gin. Oil of turpentine is very often adulterated. That used in medicine is limpid, colourless, with a stroug peculiar odour, nod pungent and bitter taste. In 1867 we exported 75,791 gallons, valued it 12,8241 , chiedly to Indla and Australia. (British Pharmacopuiu, 1867.)

TURQUOISE (Ger. türkiss; Fr. turquoise; Ital. turehina; Span. turquesa). A precions stone, in considerable estimation.

Its colour, which is its prineipal recommendation, is a beantiful celestial blue, which clunges into pale blue, and is sometimes tinged with green. Specific gravity, $2 \cdot 6$. It possesses a somewhat waxy lustre, and is somewhat translucent, although generally opaque. It is much worn in necklaces, and every part of ornamental jewellery; from the size of a pin's head to that of un almond: it contrasts beautifully with brilliants, or pearls, set in fine gold, and appears to most advantage when cut spheroidal. (Mawe On Diamonds, 2nd ed. p. 129 ; Emanuel On Diamonds, pp. 179-190.)

Real turquoises are exclusivoly furnished by Persia. The mines whence they are obtained are situated near Nishapore. They are the property of the Crown, and are farmed to the highest bidder. They bring a rent of from 2,0001 , to $2,500 l$. a-year. (Fraser's Travels on the Shores of the Caspian, pp. 343-347.)

TURTLE SIIELLS. [Toutoise Suelis.]
TUTENAGUE. The name given in commercial language to the zine or spelter of China. [Zinc.]

But it is improperly applied; for the article to whlch the Portuguese originally gave the name of tutenag, is, in fact, the gong metal of the Chinese, that is, an alloy of copper and tin. It is harder than zinc, though less so than iron, sonorous, compact, and has some malleability. The fresh fracture is brilliant, but soon tarnishes. It is made by melting 100 catties of the mineral called hung-tung or red copper, with 25 catties of tin, and running it, when intended for gongs, into a thin plate. The sonorous quality of these inatruments is owing chiefly to long-continued and expert hammering, and their price depends in great measure upon the sound. Other instruments are also made of this alloy, as well as wash-basins, dishes, and small bells. Notwithstanding the prohibition which formerly existed against exporting unwrought metals from China, it is supposed that previously to 1820 about 2,500 tons tutenague were annually gent to India and the Malay countries. But this exportation has been superseded by the supplies of zine which India de. now get from Europe, and which is better fitted for the purposes to whieh tutenague was applicd. European zinc is, also, finding its way to China. The export price of tutenague varics from 14 to 40 dols. per picul. Large gongs sell at from 40 to 50 cts. per catty. Small ones at half that price. (Chinese Commercial Guide, p. 199.)

TYPES. The value of printing types and materials for printing exported from this country in 1867 (chiefly to India, Australia, and the United States) was 68,0941 .

TYBE: The principal city of lhaniciu, and the most celebrated emporiam of the ancient work. This famens city was situaterl om the S.Li, coant of the Mediterranean, where the inconsidernble town of T'sonr now stamis, in lat. $33^{\circ} 17^{\prime}$ N., long. $35^{\circ} 14^{\prime} 35^{\prime \prime} 15$. The trade that is at present carried on at 'Psour is tows tritling to deserve notlec ; but as this work ls intended to give some aecomit, however imperiect, of the revolutions ln the channels of commercial enterprise, we may, perhapis, be excused for suhunitting a few statements with respect to the commeree carried on ly so renowned a people as the Tyrians.
Tyre was founded by a colony from sidon, the most ancient of the Ihenician cities. The date of this event is not certainly known, but lareher supposes it to have been 1,690 years before the Christian era. (Chronologie d'Herodute, cap. ii. p. 131.) It is singular, that while IIomer mentions Sidon, he takes no notice of Tyre, whose glory speedily eclipsed that of the mother city; but this is no conclusive proof. that the latter was not in lis time a considerable emporium. The prophets Isniah, Jeremiah, and Ezekiel, who ftourished from 700 to 600 years before Christ, represent 'Tyre as a clty of unrivalled wealth, whose 'merchants were princes, and her trafic kers the honourable of the earth.' Originally, the city was built on the main land: but having been besieged for a lengthened period by the liabylouiat monareh Nebucladnezzar, the inhabitanis con veyed themselves and their goods to an istand a a little distanee, where a new eity was foumled which enjoyed an increased degree of eclebrity aad commercial prosperity. The old city was, on tha necount, entitled Palietyre, and the other simply Tyre. The new city continued to flourish, ex tending its colonies and its commerce on all sides till it was attacked by Alexander the Great. Th resistance made by the 'Tyrians to that conquero showed that they had not been enervated b luxury, and that their martial virtues were ma wise inferior to their commercial skill and enter priso. The overthrow of the Persian empire ип effected with less difficulty than the eapture o this single city. The victor had not the magnanf mity to treat the vanquished as their heroic condur deserved. In despite, however, of the crueltig inflicted on the city, she rose again to censide able eminence. But the foundation of Alexsa dria, by diverting the commerce that had formerl centred at Tyre into a new clannel, gave her a irreparable blow; and she gradually declined til consistently with the denunciation of the prophe her palaces have been levelled with the dust, a she has become 'a place for the spreadiug of ne in the midst of the sea.'

Cominerce, Colonies \&c. of Tyre.-Phenicia н one of the smallest countries of antiquity. occupied that part of the Syrian coast whis stretches from Aradus (the modern Rouad) on th north, to a little below Tyre on the south, $a$ di tance of about 50 leagues. Its treadth was mus less considerable, being for the most part bound by Mount Libanus to the east, and Mount Carm on the south. The surface of this narrow the was generally rugged and mountainous; and t soil in the valleyg, though moderately fertile, not afford sufficient supplies of food to feed $t$ population. Libanus and its dependent rides were, however, covered with timber suitable ship-building; and besides Tyre and Sidon, $\mathrm{l}^{\text {lw }}$ nicia possessed the ports of Tripoli, Byblos, Ber tus \&c. In this situation, occupying a couns unable to supply them with sufficient quantity of corn, hemmed in by mountains, and by pow
eity of l'hurniciu, and porition of the nterient was sitnates on the rranenn, where the innir now stunuls, in lat. $F^{\prime \prime}$ Fo. The tende that is 'Tsoin is too tritling to his work is lintenteded to ver imperfect, ot the rels of conmmercinl entere excused for sulriniting espect to the conmerece mind a preople ns the
n colony from Sillon, the culcinan citices, The date uinly known, but larrcher in $i, 690$ y cars befure the logie drherowlute, cap. ii. that while IIUmer men0 notice of Tyre, whise hat of the muthere eity; proof that the lutter wis tideralle emprorium. The tinh, and Ezackiel, whol 600 years before Christ, ity of urrivnlecd wathth prines, and ber tratic he earth,' Oripinally, the ain land: but thyinift been 4 priot by the Ynablowinian zar, the ininabilanits cond heir goods to ant islandata a new city was fuunded sell degree of celebrity nat The did city was, oi thas :yre, and the other simply :ontinued to flourish, ex its commerce on all isites Alexander the Gratat Thi Tyrians to that congureo $d$ not been enerrated b - martial virtuces were no commercial skill nuld denter of the Persian empire wid iculty than the capture ictor had not the magnany fithe a as their heroic condud however, of thi cruntidi she rose again to consided the foundation of Alexse ommerce that had fomert new channel, gave her 2 she gradually declinet til enunciation of tho propine levelied with the dust, , an ce for the spreading of ne of the S antiquity. (the modern Rouad) on to v Tyre on the aouth, $n$ di ues. Its breadth was mug for the most part bound the east, and Mount Carm arface of this narrow tra and mountainous; and $t$ ugh moderately fertile, d upplies of food to feed t and its dependent ridg d with timber suitable f sides Tyre and Sidon, lhe ts of 'Tripoli, Byblos, Ber tion, occupying a count n with sufficient quaatit mountains, and by pow
ful and warlike ncighbours, on the one hund, mud lihodes. 'The furmer was a very valunble nequihaving, on the other, the wide expruse of the Dlediterranean, stulded with islunds, nul surrounded by fertile conntries, to invite the enterprise of her citizens, they were naturally led to enfruge in maritime and commercinl adventures; snd became the bohlest and most expericuced mariners, and the greatest discoverers, of anclent times.

From the remotest antiquity, a consinlerable trade seems to have been curried on between the Eastern and Western worlds. 'Ihe spices, drugs, precious stones, and other valuable prodnets of Arnbin and India, have alwnys been highly estecmed in ljurope, and have been exchniged for the gold and silver, the tha, wines dec. of the latter. At the flrst dawn of authentic history, we find l'honicia the principal centre of this commerce. Her inhabitants are designated in the early sacred writings by the nome of Cnnaanites -a term which, in the language of the Jinst, menns merchnats. 'The prodicts of Arnbia, Indin, Yersia \&c. were originally conveyed to her by companies of travelling merchants, or caravans; which seem to have been constituted in the same way, and to have performed exactly the same part in the commerce of the East, in tho ditys of Jacob, that they do at present. (Gen. xxxvii. 25 \&c.) At a later period, however, iu the reigns of David and Solomon, the Phenicians, haviag formed an alliance with the IIebrews, acquired the ports of Elath and Ezion-geber, nt the northeast extremity of the IRed Sea. Here they fitted out flects, which traded with the ports on that ses, and probably with those of southern Arabia, the west coast of India, and Ethopia. The slips are said to have visited Ophir; and a great deal of erudition has been expended in attempting to determine the exact situation of that emporium or conatry. We agree, however, with Heeren, in thinking that it was not the name of any particular place ; but that it was a sort of general designation given to the consts of Arabia, India, and Africa, bordering on the Indian Ocean; somewhat in the sume loose way as we now use the terms East and West Indies. (See the chapter on the Navigution and Commerce of the Pharnicians, in the translation of Heeren's work.)
The distance of the Red Sea from Tyre being very considerable, the conveyance of goods from the one to the other by land must have been tedions and expensive. To lessen this inconrenience, the Tyrians, shortly after they got possession of Elath and Ezion-geber, seized upon Phinoculurn, the port in the Mediterranean nearest to the Ked Sea. The products of Arabia, India $\& c_{y}$ being carried hither by the most compendious poute, were then put on board ships, and conveyed by a brief and easy voyage to Tyre. If we except the transit by Egypt, this was the shortest and most direct, and for that reason, no doubt, the cheapest, channel ly which the commerce between Southem Asia and Europe could then be conducted. But it is not believed that the Phœnieians possessed any permanent footing on the Red Sea after the death of Solomon. The want of it does not, however, seem to have sensibly affected their trade; and Tyre continned, till the foundation of Alexandria, to be the grand emporium for Eastern products, with which it was abundantly supplied by caravans from Arabia, the bottom of the Pexisn Gulf and from Babylon, by way of Palmyra.
The commerce of the Phonicians with the countries bordering on the Mediterranean was still more extensive and valuable. At an early period, they established settlements in Cyprus and
lihodes. The furmer was a very valuable nequi-
sition, from its proxinity, the number of its prorts, its fertility, nud the variety of its vegetable nud minernl proluctions. Having prassed nuccessively into (ireece, ltaly, and Sardinia, they proceded to explore the sonthern shores of France ind Spuin, and the northern shores of Africa. They ufterwurds ndventured upon the Atlantle; nud were tho tirst pople whose flag was displuyed beyond the pillars of Hercules. (Mons Calpe mil Mons Abyla, the Gibraltar and Ceuta of modern times.)
Of the colonles of T'yre, Gades, now Cndiz, was one of the most nucient and importmit. It is supposed by M. de St, Croix to hn: 3 originally been distinguished by the mane of Tartessus or 'Tneshish, mentioned in tho sacred writings. (De l'sitat et du sort des anciennes Colonies, p. 14.) lleeren, ou tho other hand, contends, ns in the ense of Ophir, that by Tarshish is to be understood the whole sontheru part of Spain, which was early occupied and settled by I'hoenician colonists. (See also IIuct, Commerce des Anciens, cap. 8.) At nll events, it is certain that Cadiz enrly becaine the centre of a commerce that extended all along the consts of Europe as far as Britain. and perhnps the Baltic. There can be no doubt that by the Cassiterides, of T'in Islands, visited by the I'honicinns, are to be understood tho Scilly lslands and Comwnll. ['Ins.] The navigntion of the Phœnicians probnbly, also, extended $n$ considerable way along the western coast of Africa; of this, however, no details have reached us.

Bit, of all the colonies founded by Tyre, Carthage has been by far the most celebrated. It was at first only a simple factory; but was materially increased by the arrival of a large body of colonista, forced by dissensions at home to leave their nativo land, about 883 years before Clirist. (St.-Croix, p. 20.) Imbued with the enterprising mercantile spirit of their ancestors, the Carthagininns rose, in no very long period, to the highest eminence as a naval and commercial state. The scttlements founded by the Phonicians in Africa, Spain, Sicily \&c. gradually fell into their hands; and after the destruction of Tyre by Alexander, Carthage engrossed a large share of the commerce of which it had previously been the centre. The subsequent history of Carthage, and the misfortunes by which she was overwhelmed, are well known. We shall only, therefore, observe, that commerce, instead of being, as some shallow theorists have imagined, tho cause of her decline, was the real source of her power and greatness; the means by which sho was enabled to wage a lengthened, doubtful, and desperate contest with Rome hergelf for tho empire of the world.

The commerce and navigation of Tyre probably attained their maximum from 650 to 5050 years before Christ. At that period the Tyrians were the factors and merchants of the civilised world; and they enjoyed an undisputed pre-eminence in maritime affairs. The prophet Ezekiel (chap. xxvii.) has described in magnificent terms the glory of Tyre; and has enumerated several of the moat valuable productions found in her markets, and the countries whence they were brought. The fir trees of Senir (Hermon), the cedars of Lebanou, the oaks of Bashan (the coantry to the east of Galilee), the ivory of the Indies, the fine linen of Egypt, and the purple and hyacinth of the isles: of Elishah (Peloponnesus), are specitied among the articles used for her ships. The inhabitants of Sidon, Aryad (Aradus), Gebel (Byblos), acrved her as mariners and carpenters. Gold, silver, lead, tin, iron, nd vessels of brass; slaves, horses,

5 c 2
mules, sheep, and goats ; pearls, precions stones, and coral; wheat, balm, honcy, oil, spices, andi fume; wine, wool, and silk, aro mentioned as being brought into the port of 'l'yre by sea, or to its markets by lind, from Syria, Arnhia, Damasens, Greece, 'lurnhish, and ether pluees, the exact site of which it is dillleult to determine. 'Thero is, in Dr. Vincent's Cominerce aul Nivigution of the Ancients in the Indian Ocerrn (vol. ii. $1 \mathrm{j}, 62.1-602$ ), an elaborate and (like the other parts of that work) prolix commentary on this chapiter of Vzekiel, in which most of the names of the thinf; and places mentioned are satisfactoriiy explained. (IIeeren On the Phaniciuns, cap, iv.)

Huch, according to the inspired writer, was 'Tyre, the ' (qneen of the waters' before ahe was besicred by Neluchadnezzar. lhut, as has been alrealy remarked, the result of that siege did not affect hor trade, which was as anccessfully and advantageously carried on from the new city as from the old. Inasmuch, however, ns Carthage soon after began to rival her as a maritime and mercantilo state, this may, perhaps, be considered as the era of her greatest celebrity.

It would not be easy to overrato the beneficial Influence of that extensive commeree from which the Iheenicians derived stich immense wealth. It inspired the people with whom they traded with new wants and desires, at the same time that it gave them the means of gratifying them. It everywhere gave fresh life to industry, and a new and powerful stimulus to invention. The rude uncivilised inhabitants of Greece, Spain, and Northern Africa acquired some knowledge of tho arts and sciences practised by the lhonicians; and the arlvantages of which they wero found to be productive secured their gradual though slow advancement.

Nor were the Phonicians celebrated only for their wealth, and the extent of their commerce and navigation. Their fame, and their right to be classed amongst those who have conferred the greatest benetles on mankind, rest on a still more unassailnble foundation. Antiquity is unanimous in ascribing to them the invention and practico of all those arts, sciences, and contrivances that facilitate the prosecution of comusercial undertakings. They are held to be the inventors of arithmetic, weights and messures, of money, of tho art of keeping accounts, and, in short, of everything that belongs to the business of a counting-honse. They were also famons for the invention of ship-building and navigation; for the liscovery of glass [Gr,ass]; for their manufactures of tine limen and tapestry; for their skill in architecture, and in the art of working metals and ivory; and still more for the incomparable splendour and beauty of their purple dye. (See the learned and invaluable work of the President de Goguet, Sur l'Origine des Loix etc. Eng. trans. vol. i. p. 296, and vol. ii. pp. 95-100; sec also the chapter of Heeren on the Manufactures and Land Commerce of the Phonicians.)

But the invention and dissemination of these highly usefnl arts form but a part of what the people of Europe owe to the Phoenizians. It is not possible to say in what degree tine religion of the Greeks was borrowed from theirs; but that it was to a pretty large extent seems abundantly certain. Hercules, under tho name of Melcarthus, was the tutelar deity of Tyre; and his expeditions along the shores of the Mediterranean, and to the straits connecting it with the oceari, seem to be merely a poetical representation of the progress of the Phenician navigators, who introduced arts and civilisation, and established the worship of Hercules, wherever they went, The temple
erected in honear of the god at timies was bing regrorded with peenilar venerntion.
The firecks were, however, indebted to the 1 husuieians, not meroly for the rudiments of civilisation, but for the great instrument of fen future progress-the glft of letters. No fact in nucient hintory is lecter earablished than that a knowledge of alphabetice writing was tirnt carried to (irece by lhonician adventurers; mad it may be safely atllimed that this was the greatent bron any people ever recelved at tho lands of another.

Jefore quitting this subject, we may brietly arvert to the statement of llerolotus with respeet to the circumnavigation of Africe by l'henician sailors. The venerable Father of listory mentions, that a tleet ilted out by Necho king of begypt, but manned and commanded by lhanicians, took its departure from a jort on the led Sea, itt an epoch which is believed to correspond with the year $\mathbf{f 0} 04$ before tho Cliristian cra, and that, keeping always to the rifht, they donbled the southern promontory of Africa; and returned, after a voyage of three years, to ligypt, by the lillars of Hercules. (Herod, lib. iv. 4.42. ) Herodotus further mentions, that they related that, in sailing romel Africa, they had the sun on their right land, or to the north-a eirenmstance which ho frankly acknowledges seonied jncredible to him, but which, as everyone is now aware, must have been the case if the voyage was aetually performed.

Many learned and able writers, and particularly Gosselin (Recherches sur lı G'iographie systimatique et positive des Anciens, tome i . pp. 204217 ), have treated this aecount as fabulous. Inat the objections of Gosselin have been successfully answered in an claborate note by Iarcher (IFirodute, tome iii. pl. 458-464, ed. 1802) ; nnd Major Jennel has sufficiently demonstrated the practicability of the voyage. (Geography of Merodotus, p. $682^{\circ} \& \mathrm{c}$.) Without entering upon this discussion, wo may ohserve, that not one of those who question the authenticity of the account given by I Cerolotus, presumes to doubt that the lhoniciniss braved the boisterous seas on the consts of Spain, (iaul, and Britain; and that they had, partially at least, explored the Indian Ocean. llut the ships and seamen that did this much, might, undoubtedly; ualer favourable circumstances, doublo the Cape of Good Hope. The relatien of Herodotus has, besides, such an appearauce of good faith; and the circumstance, which he doubts, of the navigntors laving the sun on the right, affords so strong a confirmation of its truth, that there really seems no reasomable ground for doubting that the Phoenicians preceded, by 2,000 years, Vaseo do Gama in his perilous enterprise.

Present State of Syria.-The principal modem ports on the coast of Syria are Alexandretta, Latakia, Tripoli, Beyrout, Seyde, and Acre. The commereo which they carry on is but inconsiderable compared with the extent and fertility of the countries of which they are the inlets. This, however, is not owing to the balness of the ports, the unsuitableness of the comstry, or to any natural cause, but wholly to long continacd oppression and misgovernment. There is a passage in the dedication to Sandys's Travels that describes the state of Syria, Asia Minor, Egypt dc., about 250 years age, with a force and cloquence which it is not very likely will soon be sur-passed:-
'Those countries, once so glorious and famous for their happy estate, are now, through yice and ingratitude, become the most deplored spectacles of extreme misery ; the wild beasts of mankinde having broken in upon them and rooted out all
civilitle, nud the pride of a sterne anm barbarons pressed; all nobilitle extinguished; no lipht of
 dombinon; who, ayming onely at the helhat of and rapine lusulting over mil, and lenving no grentuense und renanalitie, hath, lit net of thme secorltios save to an mbject mind mad unlookt on reduced so great nud goodly a part of the world, povertie,
to thint lmuentabie distresse and nervhlude unler Those who compare this heantiful pasange with whieh (to the antominhment of the mulerstaming the anthentic statements of Volney-incombelolders) it now faluts and groneth. Those parably the lost of the modirn travellers who rich lands at this present remaln waste nal over- have vinited the comitried referred to-will thal growne with bushes, reeeptucles of wild bensts, of that it continued down to a comparatively late iheeves anil murderers ; large territories disperspled pretiol to be na necurate as it lnelopuent. Latur thinly inhalited; goodly cities made desolato: ; terly, however, thanks to the deens of the 'Tarkish sumptuons bulldings become ruines; ghorious pewer, some improvement has takenplace. And temples either subverted, or prostituted to im- the trade of leyrout, and tho othor ports referred pietio; true rellgion discomitenancel nud $\quad 1 \mathrm{~b}$. to alove, has cousidernbly inerensed.

## U

LLTHAMARINE (Ger, ultramarin; Fir. Weu 1867, chiefly to Indin, the Unitel States, Brazil, d'outremer ; Ital. oltramarino; Span. ultramar ; and Australia, wan 1xi, 1111 .
huss, ultrumnin). A very the blue powder, made UNITED STATVis. [Ahany; Haitimome; foum the blue parts of lapis luzuli. It has the Doston; Cicamenton ; fiabiventon; Momies
 taraished, on exposure to the air, or a moderate Sas Finanessen; de. ]
heat; and on this account is highly prized by In the Report of the Secretury of the Interior, painters. It was introluced ahout the end of the duted Washniton, November 30, 1868, which has difteenth century. Owiug to its great price, artith- jast reached this country; it is stated that during cial marine is now used, and the tint of this is the last tisenl yenr public tands were disposed of now soperior to that of the natural, while its cost ns follows:is comparatively tritling. Under this general head we give the following extracts from various reports of the United States Government Departinent just received. (Brande and Cox'y Dictionary of Science and Art; de.)
UMBRELLAS. The value of the umbrellas and parnsels of British manufacture exported in persed of the previous year.
Table exhibiting the Number of Bunks, with the Amount of Capitul, Bonds Deposited, and Circulation, in euch State and Territory, September 30, 1868. (From Report of the Comptroller of the Currency, December 7, 1868.)

.. .* 36 of these hare never completed (heir organiationtor have gone Into Ifguidation.

The quantity of landy atill mullsposed of is 1,405,3iti,dizan acres.
From numug other remnarks lonatile to the oxiating turiffiof the United States contained in the Report fine l868 of the Spacinl Commissioner of the Ravenue, we extract the fillowing sentence: 'Ansther characterintle fenture of the existling turifi is that it ittompts lidiseriminate or miveran photeetion ; nu ldan which, If fully carried mut, would render all protection a nullity, and to the extent to which it is anrriad out does more for forelgn, ans convinred with domentle, halustry than inhost any other one ngency. ['Tarif under New Yоик.]

ESANCE:. A prioul of one, tuev, or three montha, or of so many daya, after the date of " bill of oxchunge, accoriling to the custom of different places, betore the bill becomes due. Double or trehia' unance is domble or treble the unual time: and nannee is $\frac{1}{}$ the thme. When a montl is dovided, the of usance, now withatunding the difference in the lengths of the monthe, is micurmly is days. Usances are calculated exclusively of the inte of the lill. Dills of exchmege irnwn at usnure ate allowed the usind dnys of grace, nad on the lave of the :I days the bill should be presented fur payment. [Excianias.]

USURY, [Intehest and Annutiles.]

VALONIA. A species of neorn, forming a very considerabo article of export from the Moren and the Levant. Tho more substanco there is in the hinsk, or enjp of the neorn, the better. It is of a bright (lrab colnur, which it preserves so long as it is kept iry; nny drmpness minures it; as it then turus black, and loses both its strength and value. It is principally used by tanners, nud la always in demand. Though a very bulky article, it is miformly bought aud sold by weight. A ship can only take $a$ small proportion of her registered tomage of valonin, so that its freight per ton is alwnys high.

Of $19,5-57$ tony of valonia imported in $1 N(\bar{z}$, and valued nt 331,2641 ., 17,279 tohs were brought from Turkey, nind the residue nimont ontirely from Greece. The daty, after being reducel in 1842 from 20 s , to 5 s. per ton, was wholly repented in 1845. Tha price of valonin in london in 1867 varied from 14l. to 171 , lis. per ton.

VALI'ARASO. 'The prineipal seaport of Chile, lat. (Fort St. Antonio) $33^{\circ} 1^{\prime} 9^{\prime \prime}$ S., long. $71^{\circ} 37^{\prime} 13^{\prime \prime}$ W. l'opulation 70,438 in 1865 . The water in the bay is leep, and it affords secure anchorage, except during mortherly gales, to the violence of which it is exposed; but as the holding ground is good, and the pull of the anchor against a steef: hill, aceldents selilorn occur to ships properly found in anchors and cables, The mole is neither strong nor extensive; but the water close to the shore is so deep, that it is customary for the smniler elass of vessels to carry out an anchor to the northwarl, and to moor the ship with the stern ashore by another cable made fast io land. Large ships lie a little farther off, and load and unloarl by menns of lighters. The best shelter is in that part called tho Fisherman's Bay, lying between the castle and Fort St. Antonio, where, close to a clear shingle beach, there is 9 fathoms water. In the very worst weather, a landing may be effeeted in this part of the bay. There is a lighthouse with a fixed and flashing light on Angeles or Playa Ancha Point visible for 20 miles in clear weather. (Miers's Chili and La Platu, i. 440, and Admiralty list of lights 1868.) In 1866,901 vessels of 3i54,123 tons entered thi port.

The harbours of Valdivin and Concepeion aro much superior to that of Valparaiso; the former being, indeed, not only the best in Chile, but seeond to few in any part of the world. But Valparniso, being near the enpital, Suntiago, an? being the central depot for the resources of the province, is most frequented. The town is conveniently situated, at the extremity of a mountaincus ridge; most part of the houses being built cither upon its acelivity or in its breaches.

Large quantities of corn mul other artiches of provision are slipped here for Callao and other ports along the Perusinn coast: the expurts from Sm Francisco have nearly censed. The principal articles of export are the precloms metaly, eppiper, tnllow nad hides, whent and tlour, wool, sultputro sc. The produce of the Chillian mines of gold and silver has incrensed during the lant few yrate, and their avirnge produco may now te taken at abou $4,000,000$ dols., or 800,0001 . a-year. litt the increase in the production of copper has heet much more considerable, linving fully trobled ance 1815. It would appear from a series of the I'roluce Reports of Messrs. W. I'. Robertson \& © ' io. of Valparniso, enaling with that of Jamuary 2 , $1 \times\left(i^{2}\right.$, that, hesides copper, conslderable quantiticy of nitrate of sodn und breudatuffis nre regularly exportel from this and ndjacent ports. It that dato freights were 2\%. 15s. per ton for copper produce to Swansen, and $2 l$. $1^{\frac{p}{s} s . ~ t i d d, ~ f o r ~ c o p p e r ~ o r ~}$ wheat to Liverpool. In $1810 \cdot \mathrm{t}$ the entire value of the mineral produets exported from Chile was estiminted nt 18,698,723 dols. The inport mudexport trades of the republic have more than trobled since 1848, when their nggregate amount was $16,951,952$ dols. The following were the priucipal articles of export, with their values, in $1866:-$

Comper ore and comper
Corn, wheal, barley and llour
$2,1,203,917$
$1,612,489$ $1,2314,457$
614
Total value of the exports in $1866,5,817,9781$. The total imports in 18 8id were valued at $4,171,2931$. Of these by far the largest portion is supplied by the United Kinglom, the United States, France, the IInnse Towns, Brazil, Peru de.
The value of our exports of British produce to Chile amounted, in 1867, to $2,524,438 \%$. Among other items they comprised, cottons worth $1,311,4371$., woollens 286,1831 ., linens 141,9951 , hardware and cutlery $88,6041$. , iron 120,388h, apparel and habcrilashery $45,875 \%$., empty bags 78,047l., coal 44,790l. \&ce. Exclusive of gold and silver, we import from Chile considerable quantities of copper ore and copper, eorn, silver ore, saltpetre, hides, wool de. The value of the whole imports from Chile, chiefly copper and corn, iuto the United Kingdom in 1867, was $4,417,068 \%$,

Chilian Purt Regulations. Export Dathes.Chile Guano, $12 \frac{1}{2}$ cents per $1,000 \mathrm{lb}$; 5 per cent. on the following artieles : bar silver, on valuation of 9 icls. per mare; unsmelted silver (pina), do; old plate (chafalonin), do. ; copper, in bars, on valuation of 14 dols. per 100 lb .; do. retalla do, 9 dols. do.; do regulus ores, caleined ores, silver ores, mixed ores, and tailings not capable of amalgamation, and tailings, pay 5 per cent. on
proeseds of neeonint sules when recelved from fircignors, and from the abttlement of Einglish place of devtimation. 'The provineial contribution on export of copper ores is aboliahect, und in the Times of March 3, 1849, it in stateel that the hotnl recelpts from eustoms at Vulparalso during the
 650, ,100 dols, nppertains to Devember ilones. Niver befure lins the revenue from this sourre reached wh high in tignere.
Port Churges.-Tomage dues, 25 cents jer ton ; light dues, ild cents per ton; role mull capitain of the port's fies, 1 dela. ; larlour muster's fees, 3 dols. Whale whipm, vexsels ill dixtress or in ballast, or cllselanging unter 20 packagew, aro exempt from tonnage and light dues, Tounge dues paid at one port are not levied in another.
The larling charges which ure on aecount of the owner of tho goods, may be calculated at from 125 dols, to 150 dolso per ton, aecoriling to the deacerlption of merehandise. Conslgnees charge generally jper cent. commbsion for sales, and 2h fuarmitees.
Foreign Flags,-The only ports of entry for foreign tlags are Aucud, Volidivin, Talculunno, Concepcion, Valparalon, Coquimbo, nuld Caldera, and Lota and Coronel in bullast; rund vessels from abroad entering noy other purt are liable to seizure. Consting trade is proliblted to foreign flags, lint they may diseliarge portions of their original cargoes in one or moru ports, and lond Chillan produce for a foreign port.
All communiention with the shore ls prohibited until after the visit of the port and revenne officer, who will requiro a general manifest of tho cargo, or the bill of lailing, and a list of stores. ${ }_{24}$ hours are allowed for correctlon of errors or omissions. For nuy mistake discovered afterward, the captain is subjected to lines or seizure. Pascengers' luggnge free.
In 1866 the ports of Chile were enterel by 3,091 vessels (of which 1,496 wero British), with a total tomage of $1,410,816$.
Perhaps now part of' South America has proflted more than Chile by the establishnent of indicpendence. The contrast between her present state and that in which she was found by M. de la Perousc is most striking. 'The inthuence of the Government,' said that neeomplishical navigator, 'is in constant opposition to that of the climnte. The system of prohibition exists at Chile in its fullest extent. This kingrom, of which the productions would, if increased to their maximum, supply all Einrupe; whose wool would be sulticient for the manufactures of France and England; aud whose herds, converted into snlt provisions, would yield $n$ vast produce: this kingdom, alas ! has no commerce. Four or tive smsll vessels bring, every year, from Lima, tobacco, sugar, and some articles of Europenn manufacture, which the miserable inliabirants can obtain only at second or third hand, after they have been charged with heavy customs duties nt Cadiz, at Lima, and lastly, at their arrival at Chile; in exchange they give their tallow, hides, some deals, and their whent, which, however, is at so low a price, that the cultivator has no indacement to extend his tillage. Thus Chile, with all its gold, and articles of exchange, can scarcely proeure sugars, tobnceo, smufi, linens, cambrics, and har!ware, necessary to the ordinary wants of life' (Pérouse's Voyage, vol, i. p. 50 , ling. ed.) lnstead, however, of 4 or 5 smnll ships frum Lima, Valparaiso is now anmunlly visited 'Jy weltnigh a thousand ships of all notious, execilsive of those visiting the other ports. All sorts of Earopean goods nre carried direct to Chite, ard nre sdmitted at rensonable duties. The alvantages resulting from thi extensive intercourse with
und American adventurers lin the country, have been nirealy immense, and will every day become more vaslife, It was limpowible, coinvidering the ignorance of the muss of the people, that the old xyatem of tyranuy mud supierstition could the pulled to pieces withont a geore deal of violence and mischief; but the fomuthtions of a better oriter of things have leen laid, and Chile is tecoming an opulent anel a llourishing comintr:

Its population in infia amonnted to $1,819,223$. And loasalis atates, in bis exrellent work on Chille
 inis the consumpition of sugur amounted al $32,780,250 \mathrm{lh}$, beling nearly $222^{\mathrm{lh}}$, to each ladlvidurd ( 1 . 128). As a further ovidence of lita prosperity, we may mention that the public revenue, which in 1817 ammonted to $1,362,127$ dols., hat in 18.16 increased to $3,62: 1,91 \times$ dols., nud in 1864 to $9,274,1120$ dolx.

Moneyn, Weights, and Mrasures.-The quintal ot 4 arrobas, or 100 ll ., $2101 \cdot 5.4 \mathrm{l}$, avoirlupois, The fancra, or principal eorn measure, contalns 3,439 Vinglish cubic juches, nu. 1 is theretors ma 1:599 Whelester bushels. ITence $\delta$ finuegas $=1$ Winchester quarter very nearly. The vara, or measure of length, = 0.927 linglish yard.

VANCOUVEL'S ISLAND, nmalgamated wlth British Columbin In 18166 (29 \& 30 Vict. c. 67), sluce which time Vletorla, lits capital, has ceased to he a free port. The latter has noout 4,000 inhnbitanta, nand the island nbout 10,000 , [Cotavies.]
VANILLA or VANELLOES, 'The fruit of the Euidendrum Vanillu, a species of vine extensively cultivated in Mexieo.

It hus a trailing stem, not nulike the common ivy, hat not so woody, which attaches Itself to any tree that grows near it. The Indians propagate it hy planting cuttings at the foot of trees selected for that purpose. It rises to the height of 18 or 20 feet; the tlowers are of a greenish yellow colour, mixed with white; the fruit is about 8 or 10 inches long, of a yellow colour when gathered, but dark brown wa wack when imported into linrope; it is wrinkled on the outsile, and full of a vast number of seeds like grains of sand, having, when properly prepared, a pecullar and delicious fragrance. It is princlpally used for mixing with and perfuming chocolate, and in confectionery ; nnd is, ou that aecount, largely importell into Spain; but ns chocolete is little used in Eugland, vanilla is not much known in this country. In $1857,8,178 \mathrm{lb}$. of ic were imported, of the valie of 2,8641 , null $5, \dot{5} 5 \mathrm{lb}$. were re-exported. Vanilla is principally, gnthered in the intendaney of Vera Cruz, in Mexico, at Misantla, Colipa, Vaenatla, and other places. It is collected by the Indians, who sell it to the whites (gente de ruzon), who prepare it for market. They spread it to dry in the san for some hours, then wrap it in woollen cloths to swent. Like pepper, it changes its colour in this operntion, becoming almost black. It is linally dried by exposing it to the suln for $n$ dlay. There are 4 varieties of vanilla, all differing in price and excellence; viz. the vonilla fina, the zacate, the rezacate, and the vasura. The best comes from the forests surrounding the village oi Zentilla, in the intendaney of Onxnca. According to Ilumboldt, the mean exportation of vanilla from Vera Cruz might, at the time he wrote, amount to from 900 to 1,000 millares, worth at Vera Cruz from 30,000 to 40,000 dollars. Vnnilla is also imported from Brazil, but it is very inferior. The finest Mexican vanilla is extremely high priced. The Britioh duty of 5s. 3d. per lb. furmerly charged on
vanilla was repenled in 180̈3. (IIumbohlt, Ni,m-velle-Espagne; 2nd cilit. tomo iii. pp. 3ї, 46; Poinsett's Notes on Mexico, j. 194 (we.; 13raude : 7d Cox's Dictionary of Science and Art; \&c.)
VEGETABLE WAX. The produce of the berry of a tree (Rhus succedtuneum) growing in Japan. The tree, which is well known tul lotanists, is said to be abundant; it varies in height from 15 to 25 feet, and the berries which it proluces are found in clusters, not unlike bunches of grapers.
The native mether of preparing the wax is of a very primitive description. The herries havingbeen gathered, are washed nud bruised after a rude fashion; and being then slowly boiled, the wax is extracted and thrown to the surface. Having been skimmed off, it is moulded into cakes of about 30 lb . each, which, being Iried in the sun, are fit for use.
This beantiful wax, one parcel of which varies but little from nnother, has a bright cream celour, is nearly of the consistence of bees' wax, bears without softening a high degree of atmospheric heat; and as it contains a larae percentage of stearine, it is highly suitable for the manufacture of candles, particularly of thuse knewn as 'composite, as well as for other purposes.

Little is as yet known in this country of this valuable commolity. Small lets of it have occasionally been indinectly imported, but the first cargo brought hither direct, was imporced into London in Aprit 1859, by the American ship Florence, from Nagasaki, the principal seaport of Japan. In 1867, we imported 8,964 cwt., valued at 37,8171 .

VEGETABIES. In 1867, we imported vegetables (ehictiy from France and Holland) of the value of 50,0791 .

VELLUMI. A species of fine parehment.

## [Panciment.]

VENEERS. Thin plating, or layers of superior used for covering inferior material. They are chiefly of wood. In 1807 we imported, prineipally from France, $4,976 \mathrm{cwt}$ of veneers, valued at 44,8781 .

VENICE. A famous city, now of the kinglom of Italy, formerly the capital of the republic of that name, and previous to 1866 belonging to the Austrian empire, on a cluster of shiall islands towards the northern extremity of the Adriatic, now joined to the mainland by a railway bridge, part of the line to Padua, in lat. $45^{\circ} 25^{\prime} 53^{\prime \prime}$ N., long. $12^{\circ} 20^{\prime} 31^{\prime \prime}$ E. Population 123,762 in 1862. The commerce of Venice, cnce the most extensive of any Furopean city, is now comparatively triting; and the population, down to 1866, gradually diminishing, beth in numbers and wealth. ior imports consist of wheat and other sorts of grain, from the naljoining provinces of Lombardy and the Blaek Sea; olive eil, principally from the Ionian Islanis; cotton stuffs and hardware from England; sugar, coffee, and other colonial products from England, the United States, Brazil \&c.; dried fish, dye stuffs \&c. The exports priacipally consist of grain, raw and wrouglit silk, paper, woollen manufactures, fruits, cheese se., the products of the adjoining provinces of Italy, and of her own industry; but her manufactures, so famous in the middle ages, are now much decaved.

Port.-The islands on which Venice is built lie within a line of long, lew, narrow islands, running $N$. and S., nud cuclosing what is termed the lagoon, or shallows, that surround the city, and separate it from the mainland. The prineipal entrance from the sea to the lagoon is at Malamocce, about $1 \frac{1}{2}$ league S . from the city; but there are other, though less frequented, entran?es,
both to the S. and the N. of this one. There is a bar outside Malamoceo, on which there are not more than 10 feet at high water at spring tides; but there is a channel hetween the western point of the bar and the village of San Pietro, which has 16 feet water at aprings, nul $1^{14}$ at neaps. Merchant vessels usunlly mour of the ducal palace; but semetimes thity eome into the grand canal which intersects the eity, nnd sometimes they moor in the wider shannel of the Giudecca, Vessels coming from the scuth for the most part make Pirano or Rovigno on the coast of Istria, where they take in board pilots, who carry them to the bar opposite to Malamoceo. But the employment of Istrian pilots is quite eptional with the inater, and is not, as is sometimes represented, a compulsory regulation. When one is taken, the usual fee from P'irane or liovigno to the bar is 20 Austrian dellars, or about 4l. On arriving at the bur, ships are conducted across it and into port by pilots, whese duty it is to meet them outside, or on the bar, and of whose ser: "es they must avsil themselves. (For the che, s on account of pilotage, see post.)
Money.-Formerly there weie various methods of accounting here ; but now accounts are kept, as at Genoa, in lire Italiane, divided into centesimi, or 100 th parts. The lira is supposed to be of the same weight, fineness, and, consequently, value as the frane. Put the coins actually in circulation, denominated lire, are respectively squal in sterling value to about $5 d$, and $4 \frac{12}{} d$. The latter were coinel by the Austrian Government.

Weights and Measures.-The commerelal weights are here, us at Genoa, of two sorts ; the peso sottile and the pesn grosso. The French kilogramme, called the libra Italiana, is also sometimes introducet.

100 lb . peso groaco $=105 \cdot 186 \mathrm{lb}$. Aroirdupols $127 \cdot 8.811 \mathrm{lt}$. Troy 47.698 kilogrammes

sotilite
96.569 . 1 miterdam
${ }^{n 6}{ }^{\circ} 428 \mathrm{lb}$, avoirdujcis
30.19 .3 kllograinm
$62 \cdot 196 \mathrm{Jb}$. of Hambur
SU996 \% Amaterdatn
The moggio, or measure for corn, is divided into 4 staje. 16 quarte, or 64 quartaroli, The staja $=2 \cdot 27$ Winch. bushels.
The measure for wine, anfora $=4$ bigonzi, of 8 mastelli, or 48 sechii, or 192 bozze or 768 quartuzzi. It contains 137 English wine gallons.

The botta $=5$ bigonzi. Oil is sold by weight or measure. The botta contains 2 mighigje, or 90 miri of 25 lb . peso grosso. The miro $=4.028$ English wine gallons.
The braccio, or long measure, for woollen $=20 \cdot 6$ Euglish inches: the brnecio for silks $=248 \mathrm{do}$. The foot of Venice $=13 \cdot 88$ Euglish inches. (Nelkeubrecher and Kelly.)

Histurical Notice.-Venice was the earliest, and for a lengthened period the most considerable, commercial city of modern Jurcipe. Iler origia dates from the invasion of Ialy by Attila in 452 . A number of the inhabitants of Aiquileia, and the neighbouring territery, flying from the ravages of the barbarians, found a pror but secure asylum io the cluster of small islands opposite the mouth of the lBresta, near the head of the Adriatic culff: In this situation they were forced to cultivate commerce and its sulusidiary arts, as the only means by which they could maiutain themselres At a very early period they began to trade with Constantinople and the Levant; and notrith standing the competition of the Genoese and Pisnns, they continued to engross the priacipal trade in Eastero products, till the discorery of a
f this one. There is a which there are not water at spring tides: cen the western point of Sari l'ietro, which nus, and 1* at neaps. mour ofy the ducal y come into the grand e city, and sometimes annel of the Giudecca, cuth for the most part on the const of Istria, pilots, who carry them lamoce. But the emis quite optional with s sometines represented, When one is taken, the Sovigno to the bar is 20 41. On nrrivingr at the across it and into port s to meet them outside, hose ser: "es they must the ches $s$ on account
re weie various methods low accounts are kept, as diviled into centesimi, is supposed to be of the d, consequently, value as is actually in circulation, sectively equal in sterling d. The latter were coined ment. -The commercial weights two sorts; the peso sottile The French kilogramme, , is also sometimes intro-

## 86 lb . araitduprole <br>  <br> as) kr. Troy

 A 5 lb of Hamburf 569 Amsterdan 28 b." svoirdupsin 23 3 Troy 4.3 kilograinmes 96 lb. of Hamburg- Amsterdam sure for corn, is divided hels.
ne, anfora $=4$ bigonzi, of or 192 bozze or 768 137 English wine gal-

Oil is sold by weight ox ontains 2 migliaje, or 90 grosso. The miro $=4.028$
mensure, for woollen $=26^{\prime 6}$ braceiu for silks $=24.8$ lo. -88 Enghish inches. (Nel-
enice wns the earliest, and od the most considerable, dern Jiurcipe. ller origin of Italy by Attila in $4{ }^{5} 2$ itants of Ayuilcin, and the flying from the ravoges of pcor but secure asylum ia ands opposite the mouth of head of the Atriatic Gulf. osidliary arts, as the only ould mnintnin themselres they began to trade rith he levant; and notrith tion of the Genoese and to engross the principal
ponte to India by the Cape of Good Ilope turned this trallic into $n$ totally new channel. The crusades contributed to incrense the wealth andi to extend the commece and the possissions of Venice. Towards the midule of the fifteenth century, when the 'Turksh sultan, Mahomet 11. . entered Constantinoplesword in hand, and placed himself on the throne of Constantine and Justininn, the power of the Venctinas had attalned its maximum. At that period, hesides several extensive, populous, and well-cultivated provinces in LomGgrdy, the republic vas mistress of Crete and Liprus, of the greater part of the Moren, and mist of the isles in the ligean Sea. Slic had secured a chain of forts and factories that exteaded along thu coasts of Grerce from the Moren to Dalmatia; while she monopolised almost the whole foreign trade of Eigypt. The preservation of this monopoly, of the nbsolute dominion she had early usnirjed over the Adriatic, and of the dependence of her colonies and listant establishments, were amongst the principal objeets of the Venetian Government; and the measares it adopted in that view were skilfully devised, and prosecuted with intlexible constancy. With tho ingle exception of Rome, Venice, in the fifteenth ceatury was by far the richest and most magrificenc of European cities; and her singular situation ib. the midst of the rea, on which she seems to flont, contributed to impress those who visited her with still higher notious of her wealth and grandeur. Sannazarius is not the caly one who has preferred Venice to the ancient capital of the world; but none have so beautifully expressed their preference.

> Videfat Adriacia Venetam Neplunius in undis Nune milbi T'arpelas guanre jure mari.
> Nunr mibi Gerpelas quinlumvis, Jupiter, spces
> Si Ttberim pelago mrefers, Martis, sit:
> 8i Titberim pelago praserx, irbem akplice utramque,
llam nomines dicas, hanc pusuise l leos.

Though justiy regarded as one of the principal bulwarks of Christe:dom against the Turks, Teice had to contend, in the early part of the tixteenth century, against a combination of the Eurpean Powers. The famous league of Cambray, dwhich Pone Julius II. was the real suthor, was bomed for the avowel purpose of effecting the nutre subjugation of the Venctians, and the partition of their territories. The emperer and the kings of France and Spnin joined this powerful confederacy. But, owing less to the valeur of the Venetinns, thnn to dissengions amongst their memies, the lengue was speedily dissolved without materially weakenian the power of the repullin. From sliat period the policy of Venice was mparatively pacific and eautious. lint notwithstading her efforts to keep on good terms with the Turks, the latter invadad Cyprus in 1570; and maquered it, after a gallant resistance, continued bo it years. The Venetians had the principal chare in the decisive victory gained over the Turks "Lepa:to in 1571: but owing to the discordant riews of the coufederates, it was not properly whlowed up, and coull not prevent the fall of Cyprus.
The war with the Turks in Candin commenced in 16tb, and cantinued sin 1670. The Veretians sueted all their energies in defence of this zaluside island; nud its nequisition cost the Turks abree 200,000 men. The lass of Candia, ans the mpid decline of the commerce of the repmblic, now almost wholly turned into other channels, retuced Yeaice, ut the close of the seventeenth century, ba state of great exhaustion. She may be said, indeed, to have owed the last 100 years of her existence more to the forbearance and jealousies of others than to any strength of her own.

Nothing, however, could nvert that fat s whe had seen overwhelm so many once powerfal states. In 1797, the 'maiden city' submitter to the yoke of the conqueror: and the last surviving witness of antiquity-the link that united the ancient to the moterin world-stripped of independence, of commerce, and of wealth, is now slowly sinking into the waves whence tive arose.
'The foundation of Venice is deseribed by (iibbon, e. 35; and in his 60th chapter be has eloprently depicted her pusperity in the vear 1200. Dr. Ilallam, in his work on the Middle Ages (rol. i. pp. 470-8.7), has given a brief account of the changes of the Venctian Government. Iler history occupies a considerable space ir the voluminous work of M. Sismondi on the Itutiun Republics; but his details as to her trade and commercial policy aris singularly meagre and unizteresting. All previous histories of Venice have, however, been thrown intc the shade by the valuable work of M. Daru (IIstoire de la Rejublique de Venis?, 2nd ed. 8 vols. 8vo. Paris, 1821). Having had necess to genuine sources ot information, inaceessible to all his predecessors, M. Daru's work is as superior to theirs in aecuracy, as it is in most otleer qualities required in a history.

Trade, Nivigation, and Manufuctures of the Venetiuus in the Fifteenth Century. .-The Venetian ships of the largest class were denominated galeasses, and were titted ont for the double purpose of war and commerce. Some of them carried 50 pieces of cannon, and crews of 600 men. These vessels were sometimes, also, called argosers or argosies. They hai carly an intercourse with England ; and argosies used to be common in our ports. In 1325, Edward II. entered into a commercial treaty with Venice, in which full liberty is given to the Venetians, for 10 years, to sell their merchandise in Engiaud, and to return home in safety, without being made answerable, as was the practice in those days, for the crimes or delts of other strangers. (Anderson's Chron. Deduction, Ann, 1325.) Sir William Monson mentions, that the last argosic that sailed from Veniec for England was lost, with a rich cargo nad many passengers, on the coast of the Isle of Wight, in 1587.

In the beginning of the fifteenth century, the annual value of the goods exported from Venice by sea, exclusive of those exported to the states adjoining her provinces iu Lombardy, was estimated, by contemporary writers, at $10,000,000$ duents; the protits of tine ont and home voyage, including freight, being estimated at $4,000,000$ ducats. At the period in question, the Venctian shipping consisted of 3,000 vessels of from 100 to 209 tons burden, carrying 17,000 sailors; 300 ships with 8,000 sailors; and 45 galleys of various size, kept afloat by the republic for the protection of her trade \&c., having 11,000 men on board. In the do kyard, 16,000 labourers were usually employed. This is the statement of the native authorities; but there can be no doubt thes it is greatly exaggerated-1,600 would be a more rcasonable number. The trade to Syria and ligypt seems to have been comlucted prineipally by ready money; for $500,(000$ ducats are suid to have been ammully explorted to these countrics; 100,000 vere sent to England. (Daru, tome ii. p. 189 dic.) The vessels of Venice visited every port of the Mediterrnnean, and every coast of Europe; and her maritime commerce was, probably, not much inferior to that of all the rest of Christentom. So lote as 1518, 5 Venctian galeasses arrived at Antwerp, Inden with spices, drug3, si!les N: for the fair at that eity.

The Venetians did not, however, confine them-
selves to the supply of Europe with the commodities of the East, and to the extension and improvement of navigation. They attempted new arts, and prosecuted them with vigour and success, at a period when they were entlrely unknown in other European conntrics. The glass manufacture of Venice was the irst, and for a long time the most celebrated, of any in Europe; and her manufactures of silk, cloth of gold, leather, refined sugar \&c., were deservedly esteemed. The jealousy of the Government, and their intolerance of anything like fiee discussion, was unfavourable to the production of great literary works. Every scholar is, however, aware of the fame which Venice early acquired by the perfection to which she earried the art of printing. The classics that issued from the Aldine presses are still universally and justly almired for their beauty and correctness. The Bank of Venice was established in the twelfth century. It continued throughout a bank of deposit merely, and was skilfully conducted.

But the policy of Government, though favourable to the introduction and establishment of manufactures, was fatal to their progressive advancement. The importation of forcign manufactured commodities into the territories of the republic for domestic consumption was forbidden under the severest penalties. The processes to be followed in the manufacture of most articles were regulated by law. 'Des l'année 1172, un tribunal avoit été eréé pour la police des arts et métiers, la qualité et la quantité des matières furent soigncusement déterminées.' (Daru, iii. 153.) Having, in this way, little to fear from foreign competition, and being tied down to a system of routine, there was nothing left to stimulate invention and discovery; and during the last century the manufactures of Venice were chiefly remarkable as evincing the extraordinary perfection to which they had early arrived, anu the abseuce of all recent improvements. An unexceptionable judge, M. Berthollet, employed by the French Government to report on the state of the arts of Venice, observed, 'que l'industric des Vénitiens, comme celle des Chinois, avoit été préeoce, mais étoit restée stationnaire,' (Daru, tome iii. p. 161.)
M. Daru bas given the following extract from an article in the statutes of the State Inquisition, which strikingly displays the real character of the Venetian Government, and their jealousy of foreigners: 'If any workman or artisan carry hls art to a foreign country, to the prejudice of the republic, he shall be ordered to return; if he do not obey, his nearest rclations shall be imprisoned, that his regard for them may induce him to come back. If he return, the past shall be forgiven, and employment shall be provided for him in Venice. If, in despite of the imprisonment of his relations, he persevere in his aosence, an emissary shall be employed to despatch him; and after his death his relations shall be set at liberty.' (Tom. iii. p. 150.)
The 19 th book of M. Daru's history contains a comprehensive and well-digested account of the commerce, manufactures, and navigation of Venice. But it was not possible, in a work on the general history of the republic, to enter so fully into the details as to these subjects as their importance would have justified. The Storia Civile e Politica del Comnercio de' Veneziani, da Carlo Antonio Marin, in 8 vols. 8 vo., published at Venice at different periods, from 1798 to 1808 , is unworthy of the title. It contains, indeed, a great many curious statements; but it is exceedingly prolix; and while the most unimportant and trivial subjects are frequently discussed at extreme length,
many of great interest are either entirely omitted, or are treated in a very brief and unsatisfactory manner. The commercial history of Venice remains to be written; and were it well executel, it would be a most valuable acquisition.
Present Trade and Manufactures of Venice,From the period when Venice came into the possession of Austria, down to 1830, it seems to have been the policy of the Government to encourage Trieste in prefcrence to Venice; and the circumstance of the former being a free port, gave her a very decided advantage over the latter. Latterly, however, a more equitable policy has prevailed. In 1830 Venice was made a free port, and down to 1866, when she became part of the kingdom of Italy, fully participated in every privilege conferred on Trieste. But, notwithstanding this circumstance, the latter continued to preserve the ascendency; and the revival of trade that has taken place at Venice has not been so great as might have been anticipated. The truth is, that except in so far ri she is the entrepott of the adjoining provinces of Lombarly; Venice has no considerable natura! advantage as a trading city; and her extraordinary prosperity during the mlddle ages is more to be ascribed to the comparative security enjoyed by the inhabitants, and to their success in engrossing the principal share of the commerce of the Levant, than to any other circumstance. Still, however, her trade is far from inconsiderable, though it was much depressed during 1866 in consec(uence of the war. The great articles of import are sugar, coffee, tobacco, and other colonial prodncts; indigo and other dye stuffs, olive oil, oil seed, coal, iron, salted fish, various descriptions of cotton, woollen, and other manufactured goods; wheat and other grain, from the Black Sea; tin plates and hardware, raw cotton \&c. The exports principally consist of silk and silk goods, wheat and other grain, paper, jewellery, ylass, und glass wares, Venctian treacle, books, with a great variety of other articles, including portions of most of those that are imported.

Account of Total Number of Vessels Entered and Cleared at Verice, including Costing Vessels, with Amount of Tonnage.

|  | Vessela | Tons |
| :---: | :---: | :---: |
| $\mathbf{1 8 6 5}$ | 6,179 | 585,873 |
| 1866 | 5,699 | 601,633 |

Total Imports and Exports united.


The comparison of the trade by land and river navigation in 1865 and 1866 is as follows :-

|  | Total Imports | Total Exports |
| :---: | :---: | :---: |
| $\begin{aligned} & 1865 \\ & 1866 \end{aligned}$ | $\begin{aligned} & \text { Italian IIv. } \\ & 54,006,490 \\ & \mathbf{\$ 3 , 7 7 7 , 5 5 0} \end{aligned}$ | $\begin{aligned} & \text { Italian liv. } \\ & 38,56,4, \\ & 31,116,119 \end{aligned}$ |
| Decrease <br> Total decrease | $11,028,510$ | $339{ }^{7,010,349}$ |

From which it appears the decrease of trade by land and river navigation in 1866 was $18,068,339$, which, added to the decrease in the amount of trade by sea, makes the total falling off (attributable entircly to the war, which ended ia het transfer from Austria to Italy) 19,744,269 Italian livres, or 789,771l. 15s.

The following tables show the palue of ourtrade with Venctia.
e either entirely omitted, brief and unsatlsfactory al history of Venice re. I were it well executed, ble acquisition. anufactures of Venice.Venice came into the jwn to 1830 , it seems to ? the Government to enrence to Venice; and the er being a free port, gave rantage over the latter. ore equitable poliey has ice was mado a free port, she became part of the y participated in every Trieste. But, notwithance, the latter continued ency; and the revival of ce at Venice has not been e been anticipated. The in so far $r 1$ she is the 3 provinces of Lombardy, ble natural advantage as : extraordinary prospenty is more to be ascribed to ty enjoyed by the inhsbirccess in engrossing the commerce of the Levant, imstance. Still, however, nsiderable, though it was 1866 in consequence of the les of import aro sugar, other colonial produets; stuffs, olive oil, oil seed, , various descriptions of ther manufactured goods; in, from the Black Sea; ue, raw cotton \&c. The sist of silk and silk goods, paper, jewellery, glass, und reacle, books, with a great les, including portions of mported.
kmber of Vessels Entered enice, including Cousting at of Tonnage.

| essels | Tons |
| :---: | :---: |
| 179 | 588,577 <br> 601,613 |

nd Exports united. ltal. livres
$88,34,462$

he trade by land and rivet 1866 is as follows :-


Is the decrease of trade by on in 1866 was 18,068,339, decrease in the ampunt of e total falling of (attributwar, which ended in her
to Italy) $19,744,269$ Italian show the value of our trade

Thitle showing the Value, in Italian Livres, of Merchandise Imported and Exiported by Sen at Venice, in the Year 1866, compared with 1815.

dconnt of the Quentities and Vulues of the Imports into the United Kingdom from Venetia during vach of the 3 Yeurs ending with 1867.

| Principal Artieles |  | Quantitles |  |  | Computed lteal Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1865 | 1866 | 1867 | 186.5 | 1866 | 1867 |
| benes of anima's nd fish (escept whalefins) | tons | 713 | 492 | 599 | - ${ }_{3,973}$ | $\stackrel{¢}{2}$ | 5,66.3 |
| Buples and class beada | 11. | 2,9.39,691 | 2,542,268 | 3,750,564 | 116,981 | 127,114 | 15\%.́n2\% |
| Comi what $\quad:$ | cwi. | 2,791 | 115,191 | 118.166 | $1+319$ | 59,138 | 87,414 |
| ${ }^{\text {barlay }}$ maize or Indlan corn - | " | 3,510 8,540 | 7, 8 (1) 1,5 | 10,796 | 933 2,727 | 1,336 96 | $\because 4.957$ |
| matze or Indian corn - | " | 8,510 88 | 1,314 | 10,796 6,769 | 2,727 6 | 1,093 | 4,967 6,607 |
| Glass manif cetures - | value | 7,5,50 | 11,6:1 | 4.4.1.6 | 21,475 | 9665 35,202 | 5,358 12,456 |
| Bemp, uressed unuresserl - - | ciwt. | 14,808 | 141,026 | 153,185 | 274,100 | $\underset{\text { 270,216 }}{33,202}$ | 243, 361 |
| Meat preserved otherw'se than hy salting, | \% | ${ }^{-} 150$ | - ${ }^{26 \%}$ | 3,11017 |  |  | 11,400 |
| Rass and other materials for making paper | tons | 150 | 264 3,193 | 4, 117 | 2,914 | 5,432 3,186 | 2,917 |
| Rece, not in the husk Seeds, of all sorts |  | $\because$ | 3,193 | 2,418 | 1,378 | 3,186 690 | 1,791 |
| seeds, of all sorts Shumac. | tons | 210 | 3.34 | -969 | 1,868 | 3,390 | 12,094 |
| Brood: walnut | , | \% 818 | ${ }_{41} 894$ | $2_{2197}^{297}$ | 3,730 | 5,135 | 2,692 |
| Wool, wheep and lambs' | It. | 30,600 | 81,873 | 12,142 | 1, 4.30 | 1,04. | 455 |
| Allother antclen - | value | .. | .. | -. | 19,8:6 | 24, ${ }^{2} 65$ | 23, 495 |
| Tmal | - - | -. | $\cdots$ | * | $4 \times 3,315$ | 53 S .481 | 611,372 |

Acount of the Quantities and Vuluss of the Exports to Venetion of the Produce and Manafucture of the United Kingdom in 1865, 1866, and 1867.

| Prlacipal Articles |  | Quantities |  |  | Declared Keal Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1865 | 1*66 | 1867 | 1865 | 1866 | 1867 |
| Altali, soda ${ }^{\text {a }}$ - | cwt. | 4,459 | $5 \% 1$ | 4,506 | 1,981 | ${ }_{283}$ | $\stackrel{4}{2,273}$ |
|  | value | ** | * | $\cdots{ }^{\circ}$ | 2,797 | 2,150 | 4,167 |
| Atms: caunon and mortars | cwt. | 33,876 | 12,356 | - ${ }^{2,564}$ | 16.998 | 22,176 | 11,000 |
| Coalh, cinters, and cnlm coper, wruught and unw rought | cwt. | 33,876 | 12,36 146 | 15,403 | 16,998 1,634 | 22,176 | 20,944 3,589 |
| Cotion yam - | ib. | 121,639 | 127,298 | 114,710 | 9,127 | 10,523 | 7,668 |
| Cotions, entered by the yard | - yd. | 990,921 | 1,545,911 | 3,646,737 | 21:290 | 37,495 | 52,731 |
| as value | value |  |  |  | 8.30 | 8,127 | 2,487 |
| larthenware and porcelaln |  |  |  | 7.139 | 4, $\begin{array}{r}759 \\ \hline 16\end{array}$ | 8,74 | ${ }^{793}$ |
| Pith: herrings pilchards | barl. | 4,135 | 8,784 4,630 | 7,139 5,915 | 21,616 | 8,744 1.306 | 7,140 18,278 |
| Hmdwares nad cutlery, unenumerated | cwt. | -92 | 1,53 | 197 | 2, 473 | 301 | 981 |
| Lron, wrought and unwrought - | ton | 1,381 | 1,113 | 2,582 | 9,664 | 7,413 | 15,725 |
| Linen yam * | 1 b | 14,926 | 9,588 | 78,393 | 1,1070 | 801 | 5.409 |
| Unens, entered ly the gard | yd. | 61,943 | 59,325 | 41,147 | 2,575 | 2,n84 | 1,956 |
| Mackinery: steam-enginea | valua | - | * | * | 271 | 621 | 330 |
| Mackinery: steam-enginea | 3 | $\bullet$ | - | - | 170 | 90 | 656 |
| Oil, seed all ather sorts | ghat. | 179,941 | 135,129 | 279,040 | 1,256 | 23.76 | 2,515 |
| Salitetre | cwt. | 4,431 | 1,095 | , ,970 | 3,714 | 25,533 | 4,615 |
| Tin risten - | vatue |  |  |  | 963 | 2,100 | 2,256 |
| Wcoilens, entered by the yard - | yd. | 413,542 | 319,140 | 264,656 | 21,051 | 18,138 | 17.497 |
| Allother articles ${ }^{\text {at value }}$ - | - value | - | ** | - | 260 | ${ }^{311295}$ | 423 |
| allother articles - | " |  |  | . | 4,279 | 11.295 | 9,350 |
| Total . | - - | * | $\cdots$ | . | 163,949 | 107,657 | 236,533 |

The Venctiaus may now look forward with hope to a new anil more'prosperous era in their commercial annals, resulting from the advantages they will derive from amnexation to the kingdom of Italy under a liberal constitutional Government favoutable to the system of free trade and moderate taritls, and hostile to prohibitory duties. Tariff-The Italian customs turiff is far mise favourable than tinat of Austria formerly was to the importntion of the following important atieles of British commerce :-


Leather.-The Italinn ndmits of the importntion of tanned hides and leather, which was precluded by the Austrian tariff.
Iron and Ironsares.-The Italian duties on iron and all sorts of iron and steel, nnd on nll deseriptions of metal goods, afford fucilities for their importation which the high duties of Austria impeded.
The manufactures of Veniee are very varions, and more extensive than is generally supposed. The famous glassworks produce magnificent mirrors, with every variety of artiticint pearls and gems, coloured beads, enamel and Mosaic works de. Jewellery, including gold elnins, is nlso extensively produced; as nre gold and silver stuffs, velvets, silks, lnees, nnd other expensive goods; and leather, soap, carthenware, wax-lights se., to a greater or less extent. Printing is more extensively carried on in thls than in any other eity of Italy, and books form a considerable article of export. Ship-building is also carried on to some extent, both here and at Chiozza. In 1836, the first stenm-engine seen in Venice was set up for a sugar retinery.

From the circumstance of Venice being situated nearly opposite the mouth of the Brenta, which brings down large quantities of mud, the probability is that the lagoon, by which she is surrounded, will ultimately be filled up. Under the republic this was a subject of grent apprehension, and every deviee was resortel to that seensed likely to avert a result so pregnant with dauger to the independence of the city. But now that there is no particular motive for hindering the mud from aceumulnting in the lagoon it is probable that, in the course of time, the shallow will be converted into terra firma, and Venice lose her insular position. The works projected and npproved for cleepening the entrance to the port of Malamoceo, and for deepening and wldening the channel from thence to the port and arsenal of Venice, will render the port easy of access to vessels of large tonnage, and afford important advantages to the foreign commerce of the port.
Railuay to Venice.-Veniee is conneeted with the mainland, and with the chief towns of Italy, and the rest of Europe, by railway. That part of this important work which passes through the Iagoon is supported on arches. It may be expected that this new and easy channel of communication with some of the most fertile districts of Lombardy, will be of considerable service to Veniee; and will tend, in some degree, to revive her decaying energies.

Many of the inhabitants depend for their subsistence on fishing in the lagoon, and the contiguous portions of the Alriatic.
Italian Port Charges.-These are considerably lower than those of Austria. Steam-ships, from whencesoever arrived: Health dues, 5 Italian re: per Italian ton; light dues, 50 cents per ton ; total. 55 cents per ton, with liberty to touch nt any Italinn port within the month, on again paying the health dues only.
In steam-ships, the English ton has an advantage of about 10 per cent.; 40 per cent., instead of 30 per cent., being allowed for the engine and coal-room ; the clanrges are, therefore, nbout 49 Italinn cents, equal to 60 Austrian soldi ( $4-\frac{\mathrm{s}}{10 \mathrm{o}} \mathrm{d}$.) per ton.

Stenmers may also pay the charges for 1 year, on payment of 1.50 ltalian livre for light dues, and 50 cents for health dues.

In sailing vessels, the English ton is equal to the Italian, and pnys for health dues, 20 cents, and light dues, 50 cents; together 70 cents, or about 282 Austrian soldi ( $6 \frac{\text { 早 }}{100} d$.).

Danking Eistablishments.-The old bank Veuice was founded so far baek as 1171, being the most ancient establishment of the kind in Europe. It was a bank of deposit; and such wns the estimation in whleh it was held, that its paper continued to bear an agio as compared with coin down to 2797, when the bank fell with the Government by which it had been gnarnuteed. $d$ present (1869) there are in Veulee, besides prirate bnukers, a discount bank, or 'Societa. Merenutide, a branch of the 'Janco del Popolo' of Florence, nud n new bank ealled ' Banco l'opolnre,' The legal and usual rate of interest and discount is per cent. It is not the practice to allow interest on deposits, Bills on London ure usually drain at three months.

Brokers, Cummission \&f.-The number of brokers is limited, and they are licensed by Government; but the business of commission morchant and factor is open to everyone. Jefore, however, commencing any trade or profession at Venice, a petition must be presented for lenve to the authorities: but this is more a matter of forms than anything else; its prayer being rarely, if evet, refused.

The usual rate of commission nnd factorage on the purchase or sale of colonial produce is 2 per cent., and on manufactured goods 3 per cent., inciusive of broker's commission, 1 per ceat. A shipbroker's commission on the freight of a whole eargo is 2 per cent., and on a general enrgo 4 per cent. By the custom of the place, merchants elarge 2 per cent. on the inward, and 2 per cent. on the outward freight of all ships consignel to them; and thls, though they had done no more than recommend the master to a broker. A bill oroker's commission is $\frac{1}{2}$ per mille. Merchants and bankers charge a commission on internal bills of $\frac{1}{2}$ per cent., and on foreign ditto of 1 per cent.

Insurances are effected by eompanies and indir viduals. The Government charges no duty on the policies.

Communications with Lombardy are effected by fiat-bottomed vessels, which, passing through the lagoon, enter the canals and rivers, and mako their way through most part of the country watered by the Po and its tributarics. The freight of goods from Milan to Venice, distank about 170 miles, is nlout 11 . per ton. The principal products they bring down are grain, silk, hemp, and flax, cheese, rhubarb \&c. The country to the north of Venice affords large quantities o deals, which are shippell for Malta, Sicily, and tha Levant.

Quarantine.-Ships comiog from without the Straits of Gibraltar, provided there be ao infee tions disease on board, are admitted to pratique on performing a short quarantine of 7 days in part of the lagoon, about 1 mile from the city Long quarantine is performed a little farthes off. The lazaretto, and establishments fur pas sengers se. performing quarantine, are among the best in Europe.
Provisions, Ships' Stores \&c.-These articke may all be had at Veuice of excellent quality but not cheap, with, perhaps, the exception brend. Water is conveyed to the city by lighters and is, consequeutly, rather dear; fuel is rers searce, and very high pricel.
Tares.-Cases, casks, and other coverings g into the scale with their contents, nuld the duty levied on the gross weight. Wine, spirits \&c. cos sumel in this eity, being liable to an cxcise dut to cover the municipal expenses, have an allow ance, if in iron-bound casks, of 18 per cent. on th weight; and if not in iron-bound casks, of 12 p
ents.-The old bank of , far back as 1171, being olishment of the kind is uk of deposit ; and such which it was held, that it - an agio as compared with en the bank fell with the thad been guaranteed. $A$ o in Veulce, besides privath ik, or 'Società Mercautile, :o del Popolo' of liorence d ' Banco l'opolare.' The rinterest and discount is 6 e practice to allow interest London are usually draniz
$\$ c$.-The number of brokers e licensed by Government; commission merchant and eryone. Jefore, however, e or profession at Venice, sented for lenve to the annore a matter of form than ayer being rarcly, if ever
mmission and factorage on $f$ colonial produce is 2 per etured goods 3 per cent, inommission, 1 per ceat. A. on on the freight of a whole ad on a general cargo 4 per $n$ of the place, merchants the inward, and 2 per cent. lit of all ships eunsignel to gh they had dous no more master to a broker. A bill is $\frac{1}{2}$ per mille. Merchants a commission on internal nd on foreign ditto of $\lfloor$ per
ted by companies and indiament charges no duty on
th Lombardy are effected by which, passing through the nals and rivers, and make most part of the country and its tributaries. The m Milan to Venice, distants bout 1l. per ton. The prinbring down are grain, silk, e, rhubarb \&c. The country e affords large qusntities of ed for Malta, Sicily, and the
coming from without the orovided there be no infec I, are admitted to pratique rt quarantine of 7 dars in 2 , bont 1 mile from the city performed a little farthed and establishments for pass y quarantine, are among the

Stores \&c.-These article Venice of excelleat quality perhaps, the exception of eyed to the city by lighters , rather dear; fuel is ver, priced. s, and other coverings of eir contents, and the daty i ight. Wine, spirits sc. cons eing liable to an excise duts al expenses, have aa allow casks, of 18 per cent. on the iron-bound casks, of 12 pe
cent. The tares allowed between morehants nre follow :-

(Exclusive of the authorities already referrel to see Bowring's Report on the Statistics of Italy; Geog. Dict.; Consular Reports; Commercial Circulars ; de.)
TERA CRUZ. Tho prinelpal seaport on the restern const of Mexico; lat. $19^{\circ} 11^{\prime} 52^{\prime \prime}$ N., long. $40^{\circ} 8^{\prime} 43^{\prime \prime} \mathrm{W}$. Population estimated at 10,000 in 1865 . Opposite the town, at the distance of about 40 fathoms, is a smull island, on which is built the strong castle of St. Juan d'Ulloa, which commands the town. The harbour lies between the town and the castle, and is exceedingly insecure; the anchorage being so very bad, that no vessel is nosidered safo unless made fast to rings fixed for the purpose in the castle wall; nor is this always asufficient protection from the fury of the northerly winds (los nortes), which sometimes blow vith tremendous violence. Humboldt mentions, in proof of what is now stated, that a saip of the line, moored by 9 cables to the castle, tore, during tempest, the brass rings from the wall, and was dashed to pieces on the opposite shore. (Nou-rell-Espagne, Zme ed. iv. 59.) Its extreme unbealhiness is, however, a more serious ilrawback apon Vera Crizz than the badness of its port. It is said to be the original seat of the yellow fever. The city is well built, and the streets clean: bit it is sarrouncled by sand hills and ponds of itugnant water, which, within the tropies, are gite enough to generate disease. The inhabitants, and those nccustomed to the climate, are Dt subject to this formidable disorder; but all rangers, cyen those from the Havammal and the West ladia Islands, are liable to the infection. Yoprecautions can prevent its attack; and many hare died at Xalapa, on the road to Mexico, who werely passed through this pestilential spot. Duning the period that the foreign trade of Hexico was carried on exclasively by the flota, which sailed periodically from Cadiz, Vera Cruz was celebrated for its fair, held at the arrival of the ships. It was then crowded with dealers from Mexico and most parts of Spanisll America; bat the abolition of the systen of regular fleets in lie8 proved fatal to this fair, as well as to the tilll more celebrated fair of Portobello.
A lighthouse has been erected on the northrest angle of the castle of St. Juan. The light, rbich is a revolving one of great power and britjimes, is elevated 80 feet above the level of the ses, and is visible 15 miles off in clear weather.
Commerce.-An individual, looking at a map of the world, would be apt to conclude that Mexico is one of the most favourably situated countries or commerce ; and, in some respects, this is true. Bat her trade labours, notwithstanding, under sme serious disadvantages. 'Though washed by the Atlantic and Pacific Oceans, neither of her wasts is aecessible for several months of the year On the enst eoast, or that bordering on the Gulf o Mexico, there is not a single good harbour; and during the season when the coasts are accestille, they are extremely unhealthy. O.ving also to the rapid ascent from the shores to the interior, the construction of roads, and the transport of comodities to and from the inner provinces, is
alike difficult and expensive. No doubt, however, an efficient Government and an industrions people would speedily, in a great meanure, overcome these obstacles to c.n extensive intercourse with the foreigner. Ibut Mexico las neither the one nor the nther; and, at present, her trade is confined within the narrowest limits. Down to 1778, when the Spmish Government relaxed the old prohibitive systen, the forcign gools legallyimported into Nexico comprised only a iew Chinese and European manufactures; tho former brought annually in one gallcon of about 1,400 tons, and the latter sent once in three ycars exclusively in ships chartered by Government from Seville or Cadiz. On the opening of the trate in 1779, arivate capitalisss engaged in it ; and after that period, at an average of 12 years before and after, the returns for expurts alone rose from $11,000,000$ to $19,000,000$ dollars, the difference being chiefly in the quantity of specie, but the trade was fettered with vexatious dutles at every step, from the merchant to the consumer. On the breaking out of the civil war, the ports of Tampico, Mazatlan, and San Blas were opened by the new Government; and soon afterwards foreign vessels were admitted into all the ports on the same terms as Spaniards. The Spanish capitalists retired to Cuba or Spain; and their places wers supplied by British and American merchants, who established themselves in the interior, and supplied the inhabitants in return for dollars with manufactured goc ${ }^{-1}$. the superior quality and cheapness of which has, no doubt, had some intlience in depressing native manufactures. The jealonsy of the natives, however, and the absurd threats of the Government against foreign artiticers and trailers, tended to prevent their settling in the country, and engaging in any considerable undertaking, other than the mines; and the depressed state of the latter, which have always furnished the principal article of export, has extended still farther to depress and paralyse commerce. 'Ile roads, too, instead of being improved, have been suffered to fall into a state of almost irreparable decay. In this respect, the following extract from one of the letters of $M$. Chevalier is decisive. - The splendid road which, luring the domination of the Spaniards, was constructed across deserts and precipices, by the merchants of Vera Cruz, to the summit of tho upper country, is a melancholy instance of the carelessness with which the public interests of the country are directed. During the war of independence, this rond was cut up in varions points; and, down to this day, the enfranchised Mexicans have not replaced a singlo stone, or filled up a single trench, nor even cut down one of the trees, which, in the absence of any considerable traffic, and under the influence of a tropical sun, are rapidly growing up to a magnificent size in the very middle of the road. In the upper country nothing would be more casy than to open noble means of communication. The soil is naturally level; the basaltic rocks, particularly alapted for the construction of roads, are found in grent abundance. But even where there are roads, the Mexicans make little use of them. They carry to a yet more extravagant length the inconceivable predilection of the Spanish race in favour of transporting their goods on the backs of animals. You expect to meet with carts and waggons; no such thing: everything is conveyed on the backs of mules or Indians. Troops of little consumptive donkeys bring into the eity, in parcels not much bigger than a man's two tists, the charcoal required for the culinary operations of the inhabitants. The price of every bulky atcicle is thus increased to an enormons degree. The interior
districts aro as innecessible na if they were cut off by an enemy's army; and famino frequently ensucs.'
In consequence of this wretched state of the roads, of the insecurity consequent to the prevalence of revolutions, and the torpor and indolence of the inhabitants (occasioned partly and principally by physical, but partly, also, by moral causes), industry of all kirds is at an extremely low ebb; and the commerce of the republic is far from being commensurate either with her population, or the number and value of her exportable products. Mr. Secretary of Legation Middleton, in his Report of November 20, 1867, states on the authority of an English gentleman employed on the projected railway between the capital and Vcra Cruz, that if the line were completed, the deshecho or refuse, now thrown aside as worthless in the important mineral district of Pachuca, might be conveyed (all expenses by land and sea, freight included), at the rate of from 25 to 30 dollars per ton to Swansea, where it would be worth from 45 to 47 dollars per ton for smelting.
For a considerable period after the town of Vera Cruz had thrown off the Spanish yoke, the castle of St. Juan d'Ulloa continued in possession of the Spaniards, During this interval, the commerce of Vera Cruz was almost entirely transferred to the port of Alvarado, 12 leagues te the south-east. Alvarado is built upon the left bank of a river of the same name. The bar at the mouth of the river, about $1 \frac{1}{2}$ mile below the town, renders it inaccessible for vessels drawing above 10 or 12 fcet water. Large ships are obliged to anchor in the roads, where they are exposed to all the violence of the north winds, loading and unloading by means of lighters. Alvarado is supposed, but probably without much foundation, to be a little healthier than Vera Cruz. The trade has now mostly reverted to its old channel.
For a few years, Tampico rose to considerable importance as a commercial seaport. Thua the value of its exports, which was $266,932 l$. in 1858 , rose to $1,609,1821$. in 1862, but fell to 235,4731 . in 1864, but the value of its imports has increased steadily though less rapidly from 266,3401 . in 1858 to 668,4041 . in 1864. It is situated about 60 leagues N.N.W. of Vera Cruz, in lat. $20^{\circ} 15^{\prime} 30^{\prime \prime}$ N., long. $97^{\circ} 52^{\prime}$ W., being about 104 leagues from Mexico. Hitherto it is said to have been free from fever. The shifting of the bar at the moutio of the river, and the shallowness of the water on it, which is sometimes under 8, and rarely above 15 feet, are serious obstacles to the growth of the port. Vessels coming in sight are boarded by pilots, who conduct them, provided they do not draw too much water, over the bar. Those that cannot enter the port load and unload by means of lighters; mooring so thnt they may get readily to sea in the event of a gale coming on from the north.

Exports and Imports.-The precious metals have always formed the principal article of export from Mexico. During the 10 years ending with 1801, the average annual produce of the Mexican mines amounted, according to M. Humboldt, to $23,000,000$ dollars (Nouvelle-E'spagne, iv. 137); and in 1805 the produce was $27,165,888$ dollars. (Id. iv. 83.). But during the revolutionary war, the old Spanish capitalists, to whom most of the mines belonged, being proscribed, emigrated with all the property they could scrape together: and this withdrawal of capital from the mines, added to the injury several of them sustained by the destruction of their works during the contest, the interruption of all regular pursuits which it occasioned, and the insecurity and anarchy that afterwards prevailed, caused an extraordinary
falling off in the produce of the mincs. Withia these few years, however, a considernblo improvement has taken place. The efforts, and the lavish expenditure, of a few of the companics formed in this country for working the mines, assisted in bringing them into good order. Latterly, also, they have been conducted with greater skill and economy, and a considerable increase of produce has taken place. The coinage of gold and silver at the different Mexican mints in 1855 was as follows, viz. :-

|  | Gold | 8ilver | Total |
| :---: | :---: | :---: | :---: |
| Culiacan | dols. 144,208 | ${ }_{737,968}^{\text {dols. }}$ | dots. $8 \times 2,1 ; 6$ |
| Chlhuahua | 17,538 | 475,510) | 43,038 |
| Furango | 73,647 | 609,171 | 689, ${ }^{15}$ |
| Mexico. | 155,463 | 4,013,3,39 | 4,168,642 |
| Guanajuanto | 35.2000 | 4,698, 100 | 3, $284,4,\left(x^{2}\right)$ |
| Guacalajaya | 10,368 | , $\begin{array}{r}632,662 \\ 1,49795\end{array}$ | 8,4,1030 |
| San luiv l'otosl | - | 1,469,745 | 1,811,995 |
| Zacat | - | 3,619,000 | 7,619,100 |
| Total | $\cdots$ | $\because$ | 17,595,177 |

But to this may be added from $8,000,000$ to $10,000,000$ dollars for those raised and exported without being brought to the mints, and for bullion assayed at the mints, and exported in bars.

And but for the prevalence of insecurity, a large increase of this produce might be expected.

We extract from the very interesting and in structive Report of Mr. Secretnry of Legation Middleton, of July 10, 1866, a tabular statement showing the amount of gold and silver coined a the various Mexicar mints in the first three montlis of 1866 :-


It would appear, too, from this Report, and from Mr. Middleton's Reports of Dec. 31, 1866, and Dec. 31, 1867, the former on the sulphur deposits and the latter on the soda and salt producing districts of Mexico, that she is rich in minerals o every description.

Besides the precions metals, cochineal, flour indigo, provisions, leather, sarsaparilla, vanilla, jalap, soap, logwood, and pimento are the principa articles experted from Vera Cruz.

The importsconsist principally of cotton, woollen linen, and silk goods, paper, brandy, quicksilver iron, steel, wine, wax \&c.

According to Humboldt, the imports at Yer Cruz, before the revolutionary struggles, migh be estimated, at an average, at about $15,000,00$ dollars, and the exports at about $22,000,000 \mathrm{do}$.

It must, however, be observed, that this state ment refers only to the registered articles, or $t$ those that paid the duties on importation and ex portation. And exclusive of these, the value the articles clandestinely imported by the ports of the Gulf, previously to the revolution, was esti mated at $4,500,000$ dollars $a$-year ; and $2,500,00$ dollars were supposed to be annually smuggle out of the country in plate and bars, sad ingots gold and eilver. A regular contraband trade use to be carried on between Vera Cruz and Jsmaica and notwithstanding all the efforta of Governmen for their exclusion and the excessive sevenity. its laws against smuggling, the shops of Mexic
tee of the mines. Within er, a considernble improveThe efforts, and the lavish of the companies formed in ing the mines, nssisted in ood ordcr. Latterly, slop, cted with greater skill and crable increase of produce coinage of gold and silver can mints in 1855 was as

| Silver | Taual |
| :---: | :---: |
| dola. | dots. |
| 737,968 475,5141 | $8 \times 2,1.6$ 93,015 |
| 619,171 |  |
| 4,013,359 | 4,168,672 |
|  | 5.494,4000 |
| 1,449,795 | 1,814\%93 |
| 3,819,000 | 3,figito |
| $\cdots$ | 17,593, 677 |

e added from $8,000,000$ to those raised and exported t to the mints, and for bulnts, and exported in bars. valence of insecurity, a large ce might be expected. he very interesting and in Mr. Secretary of Legation , 1866, a tabular statement of gold and silver coined at 1 mints in the fiest thres

| Hold | Silver | Tora! |
| :---: | :---: | :---: |
| lols. | dols. | dols. |
| 0,024 | 1,084, 202 | 1,16y, \%76 |
| 3,000 | ,837,000 | 4, 93.000 |
| 5,000 | 1,064,000 | 1,040,000 |
| 2,176 | 131,633 | 143,609 |
| 2,352 | 294,000 | \% $4.6,332$ |
| $\cdots$ | 167,760 | 167.960 |
| *00 | 123,140 | 123,40 |
| 1,360 | 60,323 | 67,683 |
| * | - | ${ }^{*}$ |
| $\cdots$ | - | ** |
| $\cdots$ | $\bullet$ | $\because$ |
| - | $\bullet$ | - |
| 6,912 | 3,690,138 | 3,916,070 |

oo, from this Report, snd from oorts of Dec. 31, 1866, and rmer on the sulphur deposits he soda and solt producing hat she is rich in minerals of
us metals, cochineal, flour eather, ssresparilla, vanilla and pimento sre the principa a Vera Cruz.
principally of cotton, woollen , paper, brandy, quicksilver \& de.
abcoldt, the imports at Yerd olutionsry struggles, migh average, at about $15,000,000$ rts at about $22,000,000$ do. be observed, that this state the registered srticles, or $t$ uties on importation and ex lusive of these, the value of nely imported by the ports of to the revolution, was esti ollars s-year ; and $2,500,00$ ed to be annually smuggle plate and bars, snd ingotso egular contraband trade use een Vera Cruz aad Jsmaica all the efforts of Goverumen ad the excessive severity uggling, the shops of Dlexic

Fere always pretty well supplied with the pro- being descendants of Europeans, and mixed races. ducts of England and Germany, (Humbeldt, In 1857, the population amounted to 8,137,853. Nowelle-Ekpagne, iv. 125; Poinsett's Notes on But nutwithstanting their large numbers, the linMerico, $\mathrm{p}_{6}$ 183.)
Humbolut states that tho total population of Mexico, exclusivo of Guatemala, might be estimsted at the time he wrote at about $7,000,000$. Of this number about $\frac{1}{2}$ were Indians, the rest dolence natd want of industry of the mass uf the people is such that the trade we earry on with them is quite inconsiderable compared with what might be exploeted. We subjoin in Illustration of this remark an

Acoount of the Quantities and Values of the Principal Articles, Importerl into the United Kingdom from Mexico, in each of the 3 Years ending with 1866.

| Princlpal and ot'ter A - itices |  | Quantitiex |  |  | Consputed lleal Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $1 \times 65$ | 1866 | 1867 | 186.5 | 1866 | 1867 |
| Brasil wood |  | 1,661 |  | 280 | $\underset{\text { 20,4,30 }}{\substack{\text { a }}}$ |  | $\underset{8,4191}{\text { ¢ }}$ |
| Cochineal. | cwt. | 1,369 | 1,979 | 1,782 | 25, 3,47 | 36,327 | 3x,473 |
| copper, nnwrought and part wronght | tons. | 327838 | 3,145 | ${ }_{29}$ | 2,83, ${ }^{3,973}$ | 1 ${ }^{1,991}$ |  |
|  | cwr. | 327, 691 | 3,115 | 396 | 2,83,157 | $2 N, 992$ 5,076 | 3,2410 |
| Fump : | cwt. | 3.710 | 2,132 | 13,296 | 5,436 | 1,766 | 21,4,31 |
| Hider, not tanned | \% | 1,213 | ${ }^{76}$ |  | $3.97 \%$ | ${ }^{2} 13$ | 449 |
|  | 3ib. | 156,933 | 78,287 |  | 35,10181 | 15,415 15,204 | 30,449 12,757 |
| Lonwood. |  | 1.968 | 1,340 | $1{ }^{1 / 12}$ | 17,676 | 13,2.54 | 10,635 |
| Maliogany ${ }^{\text {a }}$ |  | 21,44, 915 | 18,100 | 21.218 | 201,366 | 170,336 | 177,415 |
|  |  | 113 | $\overline{493}$ | ${ }_{26}$ | 24, 3,59 | 5,392 | 6,234 |
| TVobecce, unmanufactured |  | 14,980 | 8,422 | - | - 531 | 308 | - |
|  | valü | 3,162 |  | = | 10,208 | $\overline{8,6 \times 3}$ | 5,776 |
| Total |  | - |  | - | 3,216,944 | 313,478 | 315.663 |

isount of the Quantities and Values of the Principal Articles of British Produce Exported from the United Kingdom to Mexico during each of the 3 Years Ending with 1866.

| Primipal and other Articles |  | Quantitles$1866$ | 1867 | Computed Heal Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1865 |  |  | 1865 | 1866 | 1867 |
| Appeyel and haberdashery - value | - | - | - | $\underset{24,286}{\underset{~}{2}}$ | $\underset{14,395}{E}$ | $\underset{9,191}{\text { E, }}$ |
| Arms and ammunition t - number | 211 | 406 | - | 117 | 619 |  |
| (iunpowder - 11. | 60,675 |  | - | 1.34 .3 | -7989 | - |
| Beer and ale . - barrela | 1,601 | 1,334 | 813 | 7,918 | 7,478 | 5,689 |
| Couls, cinders, and eulm : tons | 76937 | 13,7\%1 |  | 4.182 | 7,5539 | 4,67! |
| Coton yarn Cottons, entered ly the jard - yards | 166,018 $43,483,967$ | 141.743 $29,839,587$ | 25,845,168 | 16,839 $\mathbf{1 , 0 2 4 , 9 0 5}$ | 691,490 | \%, 427 497,998 |
| Cotoss, eniere at value - value | 3, | - | 25,85, | 73,046 | 45,775 | 497,998 $4 \times, 670$ |
| Druss and chemical products : " | - | - | - | 9,074 80,253 | - 1,773 | 1,582 |
| Jarthenware and porcelain - " |  |  | - | 20,253 | 7,128 | 3,163 |
| merated - cwt. | 15,163 | 6,799 | 3,511 | 60,049 | 31,607 | 14,496 |
| tron, wrought and unwrought ${ }^{\text {tona }}$ | 15,060 | 9,601 | 565 | 140, 548 | 100,113 | 8,377 |
| Leather, wrought and unwrought value Unens, entered by the yard | 5,331,191 | 3,7-33,564 | 3,279,918 | 215,869 | 144,1984 | 601 106,483 |
| at value - value | - | - | 3,270,18 | 2,969 | 144,970 | -991 |
| Machinery it iteam engines - " | - | - | - | 17.897 | 26,847 | 21,6552 |
| Saltpetre all other sorth : cwit. | 350 |  |  | 47,880 580 | 35,431 | 38,501 |
| gin manulctures - value | - |  | 二 | 24,468 | 16,009 | 8,990 |
| Tin plates Wooliens, entered by the yard : yards |  |  |  | 8.348 | 3,068 | 1,085 |
| Woollens, entered by the yard : yards | 1,492,93 | 1,146,999 | 437,764 | 113,819 6,641 | $\mathbf{7 6 , 7 7 9}$ $\mathbf{3 , 0 7 6}$ | 31,011 |
| All ather articies ${ }^{\text {al }}$ | - |  | - | 73,174 | B1, 367 | 17.458 |
| Total | - | - | - | 1,896,895 | 1,283,213 | 812,918 |

It should, however, be observed, that the imports | settled Government, down to 1869, existed capableof British goods at second hand into Mexico and of preserving order or enforeing its decrees. Colombis from the West Indies is still far from VERDIGRIS (Ger. griunspsn; Fr. vert-de-gris, uconsidersble; und a pretty large proportion of verdet; Ital. verderame; Span. cardenillo, verdin, the British goods sent to Chili are conveyed thence verde-gris; Russ. jar). A kind of rust of copper, to Acapulco and othel Mexican ports on the Pacific. of a beautiful bluish-green colour, formed from Formerly the imports into Mexico supplied most the corrosion of copper by fermented vegetables. part of the demand of Peru and the West coast of Sonth America.
The Mexican Republican Government issued a revised tariff, which came into operation on October 1, 1853. It did credit to those by whom it was prepared. Some of the more oppressive daties were largely reduced; and, on the whole, it must be considered as a great advance towards a liberal system of commercial policy. Much, however, depends on the way in which such a reform is carried out. In a Government so fluctuating as that of Mexico, a policy or tariff in favour to-dsy may be repudiated to-morrow. In January 1867, the unfortunate Emperor Maximilian issued a decree, reforming the scales of tonnage and lighthouse dues affecting ships in the coasting and foreign trade, but neither during the existence sor since the dissolution of the empire, has any

Its specific gravity is 1.78 . Its taste is dissgreeably metallic: and, like all the compounds: into whieh copper enters, it is poisonous. It was known to the ancients, and various ways of preparing it are deseribed by Pliny. It is very extensively used by painters, and in dyeing; it is also used to some extent in medicine. The best verdigris is made at Montpelier; the wines of Languedoe being particularly well suited for corrodiug eopper, and forming this substance. It is. generslly exported in cakes of about 25 lb . weight each. It is also manufactured in this country, by means of the refuse of cider de. The goodness of verdigris is judged of from the deepness and brightness of its colour, its dryness, and its forming, when rubbed on the hand with a little water or saliva, smooth paste, free from grittiness. (Thomson's Chenistry; Rees's Cyclopadia.) In

## WAREHOUSING SYETEM

1866 the imports and exports of veriligris were respectively 792 and 226 ewt. In 1853 the ad valorem ility of 10 per cent., with which it was previously linrdened, was repenled.

VEIRIUICE (Ger. ngrest; Fr, verjus; Ital. agresto ; Span, agraz). A kind of harsh, nustere vinegar, made of the expressed juice of the wild apple, or cral. The French give this unme to unripe grapes, und to the sour liquor obtnined from them.

VERMICELLI (Ger, nudeln; Duteh, meelnecpen, proppen; Fr. vermicelle; Ital, vermicelli, tagliolini; Span. aletrlas). A species of wheaten paste formed into long, slender, hollow tubes, or thrends, used amongst us in soups, broths de. [Maccamoni.] Mr. Lowe proposes to repeal the duty on virumicelli and maccaroni this year, 1869.
VERMILLION. [Cixnanan.] Oir imports of vermillon in 1867 were $100,117 \mathrm{lb}$., valued at 12,8672.
Victoria, [Colonies; Melmounne; Vancouver Inland.].

VINET;AR (Ger. essig; Dateh, azijn; Fr vinnigre; Ital. aceto; Spma, and l'ort. vilagre; Buss. ukzus; l.at. acetimm). [See Acill (Aceric), for a deseription of vinegar.] A duty of $2 d$, per gallon being formerly imposed on vinegar, ft manufacture was phacel mider the control of the excise. A license, eosting 51. , and renewable numally, bas to be taken out by every maker of vinegar, or aectons acid. In 1812, the daty on vinequr prodaced $23,8: 2 l$., showing that $2,861,0$ fin gullons had been brought to tho ellarge. The manufacture is almost conthed to liurhand; the quantities prodnced in Seotland and Ireland beinz tuite ineonsiderable. The duty was repealed in 18.4, but In 18.03 the present duty of 3 ll , per Gallon was imposed on foreign vinegar, of which in 1817 we imported 51,097 gnllons, ehietly from France, the price being from $1 \mathrm{w} .0 \mathrm{G} /$. to $\% s$. per gallon.
VITRRIOL [Copprenas.]
VITRIOL, OIL OF. [ACD (Sutinutic).]

## W

WALNUTS. The fruit of the Juglans, or wal-nut-tree, of which there are several varieties, The walnut is a large handsome tree, with strong spreading branches. The fruit is a pretty large smooth, ovate uut, containing an oily kernel, divided into four lobes. The nut has been alwnys held in high estimation: it was called by the Romans Jovis glans, the ncorn or mast of Jove, and hence the name of the tree.
The walnut tree is indigenous to Persia and the countries bordering on the Caspian Sea. It has long been introduced inte Great Britain; but the fruit seldom ripens in the more northerly parts of the island. Previously to the very genernal introduction of malogany, the wool of the walnut tree was extensively used among us in making of furniture; and it continues to be largely employed for that purpose in many parts of the Continent. It is mueh used by turners ; and is superior to every other sort of wood for the mounting of guns; a circumstance which caused great devastation among our walnut plantations during the latter years of the war. Great numbers of walnut trees are annunlly consumed in the Haute Vienne and other departments of France, in the mannfseture of the wooden shoes or clogs used by the peasantry. The nuts are either gathered when ripe, being served up at desserts without any preparation; or they are plucked green and piekled, (Poiret, Histoire philosophique des Plantes, tome vii. p. 213; Rees's Cyciopadia; \&c.) The duty of $2 s .1 \frac{1}{8} d$. per bushel on walnuts was reduced in 1853 to 18 , per bushel, and has since been abolished. The imports in 1852 were only 32,521 bushels, but in 1867 they amounted to 160,129 bushels, coming chiefly from France and Belpium.
WANGHEES, sometimes called Japan Canes. A species of cane imported from China. They should be chosen pliable, tough, round, and taper; the knots at regular distances from each other; and the heavier the better. Such as are darkcoloured, badly glazed, and light, should be rejected. (Milburn's Orient. Com.)
WAREHOUSING SYSTEM. By this system is meant the provisions made for lodging imported articles in public warehouses, at a reasonable rent, swithout payment of the duties on importation till
they be withdrawn for home consumption, If re-ex ported, no duty is ever paid.

1. Expediency and Origin of the Warehusing System.-It is laid down by Adam Smith, in one of lis justly celebrated maxims on the subject of tnxation, that ' Every tax ought to be leviel at the time and in the manner that is most liksly to he convenient for the contributor to pay it.' (Wealth of Nations, p. 371.). No or.s can doubt the soundness of this maxim; and yet it was very strangely neglected, down to 1803 , in the management of the customs. Previously to this period, the duties on most goods imported had either to be paid at the moment of their Importation, or a bond, with sufficient seeurity for their future payment, had to be given to the revenue officers. 'The hardship and ineonvenience of such a system is obvious. It was often very difficult to tind sureties; and the mereliant, in order to raise funds to pay the duties, was frequently reduced to the ruinous necessity of selling his goods immediately on their arrival, when, perhaps, the market was already glutted. Neither was this the only inconvenience that grew out of this system ; for the duties having to be paid all at once, and not by degrees as the goods were sold for consumption, their price was raised by the amount of the profit on the eapital advanced in payment of the duties: competition, too, was diminiahed, in consequence of the greater command of funds required to carry on trace under such disalvantages; and a few rich individuals were enabled to monopolise the importation of those commodities on which heavy duties were payable. The system had, besides an obvious tendency to discourage the carrying trade. It preveated this country from becoming the entrepôt for foreign products, by hindering the importation of such as were not immediately wanted for home consumption; and thus tended to lessen the resort of foreigners to our markets, inasmuch as it rendered it difficult, or rather impossible, for them to complete an assorted cargo. And in addition to all these circumstances, the difficulty of granting a really equivalent drawback to the exporters of such commodities as had paid duty opened a door for the commission of every species of fraud.
But these disadvantages and drawbscks, obrious
aig; Dutch, axijn; Fr. pan, and l'ort. vinagre: 1). [See Acib (Acratic) rgar. 1 duty of $2 d$, per imposed on vinegar, lis muler the control of the ting Sh., nud renewable u out by every maker of

In lel2, the dutyou l., showing that $2,861,0 / 11$ fht to the cluarge. The confluen to lingham; the eotland and Ireland being The duty was repealed in present duty of 3 d , per oreign vinegar, of which in 097 gallons, clictly from ; from 1s. 6d, to is. per

## RAS.

[ActD (Sutarneme).]
r home consumption. If ever pald.
Origin of the Warehousing on by Adam Smith, in are maxims on the subject of tax ought to be levied at onner that is most likely to te contributor to pasy it.' 371.) No or.s can doubt maxim ; and yet it was ted, down to 1803 , in the stoms. l'revionsly to this most goots imported had a moment of their importasufficient seenrity for their o be given to the revenue $p$ and inconveuience of sach It was often very difficult the merchant, in order to duties, was frequently teecessity of selling his goods arrival, when, perhaps, the glutted. Neither was this ce that grew out of this $s$ having to be paid all at ees as the goods were gold price was raised by the on the capital advanced in es : competition, too, was ence of the greater command carry on trade under such few rich individuals were 3 the importation of those heavy duties were payable. es an obvious tendency to $g$ trade. It prevented this g the entrepôt for foreign $t$ the importation of such as wanted for home consumped to lessen the resort of ets, inasmuch as it rendered apossible, for them to como. And in addition to all he difficulty of granting a wback to the exporters of had paid duty, opened a on of every species of fraud. ges and drawbacks, obvious
as they may bow appear, did not attract the fublic uttentwon till $n$ comparatively late prital. Sir liobert Walpule seems to lave heell one of the tirat who hail a clear prerepton of their injurions induence: and it wos the prlincipal object of the finnons Eixcise Ncheme, proposed by him in 17il3, to oblige the inuorters of tobnces and wine to deposit them in bublic warrhonses; ruleving them, however, from the necensity of puying the duthes chargeable on them till they were withdrawn for hame eomsimption.
So donlts can now remain in the minul of may one, that the mopition of this selieme wonlit have been of the grentest udruntuge to the cominnerce and indiastry of the comintry. But so powerful wins the delasion gencrated in the public mind whil respect to it, that its proposal well nigh caused a rebellion, Must of the merchants of the day had availed themselven of the fncilitien which the existlong syatem afforded of cleframding the revenue; and they extermaly pindenvonred to thwart the suceesn of a scheme which wonlal have given a serions cheek to such pratices, by making the pullic believe that it woull be fatal to the cummercial prospocrity of the country. 'The efforts of the merchants were pewerfilly seconiled by the spirit of party, which then run very high. The $j^{\text {molitical }}$ opponents of the ministry, anxions for an ipportunity to prejudice them in the public estimation, contended that the scheme was only the first step towards the introduction of such a uniursal aystem of excise as wonld inevitably prove alike snbversive of the comfort nad liberty of the people. In consequence of these artlinl misrepresentations, the mont violent clamours were everywhere excited against the seheme. On one oceasion Sir Robert Walpole narrowly esenped falling a sacrifice to the mafovernable fury of the mob, which beset all the nvenues to the llouse of Commons; and, after many volent and lengthened lebates, the scheme was ultimately abandoned.
The disadvantages of the old plan, ind the lenetits to be drived from the establishment of a roluntary warehousinf system, were most ably printed out by Denn Tucker, in his Esssay on the Compurative Advantages and Disadvantages of Great Britain and France with respect to Trade, published in 1750. l3ut so powerful was the impression made by the violent opposition to Sir Hobert Walpole's scheme, and such is the force of prejudice, that this obvions and signal improve-ment-the greatest, perhaps, that las beern made ia our commercial and financial system-could nat be safely alopted till 1803.
Regulutions as to Warehousing.-The statute H3 Geo. III, c. 13: laid the folmation of the system; but it was much improved and extended by subseunent statutes.
The existing regulations as to warehousing are emboried in the Custums Consolidatiun Act, the 16 \& 17 Vict. c. 107 , and subsequent Aets. They empower the Commissioners of the Customs, under the authority and direction of the lords of the Treasury, to nominate the ports at which goods may be warehoused without payment of duty, and the warehouses in which particular deseriptions of goods may be deposited. The Aet also fixes the time duting which goods may be deposited and allowed to remain in the wareliouse, the remission of the duties in ease of loss by accident, the allowances for waste de. Iut being of much importance, we have given a full abstrict of the $16 \& 17$ Vict. $c$. 107, and subsequent modifications and niterations thereof, under Impontation and lixpoutation.
Warehousing Ports \& 8 c.-Certain ports only are warchousing ports; nor may all sorts of poods be warchoused in every warehousing port. We sub-
join a lint of the warchousing ports and towns In Great IIritnin and Ireland. Goods of all sorts may, pueuking gencrally, bo warchoused in the principul porte; but the rogulations as to those that may be warehonsed In the lesser ports are perpetually varylug.

Finglinel.

| A liervstwith | Fowey | Penvance |
| :---: | :---: | :---: |
| Almionith | Cisiountormuh | L'lymoulh |
| Aranimel | cilamienter | Prople |
| Lhirnstapile | Cinole | pornmouth |
| lieruick | Itrimuliy | j'restun |
| Pitctiayl | Pratigan | Henmey |
| 18 ov (on | Hattequmot | limbrate |
| Iteatfusal | Harwleht | Riocheoter |
| Ilridgewater | Ifayle | Hancorn |
| Ifithomt | Itill | lige |
| 1irlatol | Ifrwlch | Scarlmangh |
| Carilit | d.ancanter | Nurilisilileids |
| Cardis in | leedat | Nhureham |
| Carlinte | A.tileh ampon | Southamiton |
| Cirnarvon | l.iverpimal | Nouth Sinielils |
| C'heputaw | 1,lancily | Stuekton |
| chester | landin: | Ammerland |
| F'uld bremter | lawnetut | Swanmes |
| \% ${ }^{\circ} \mathrm{OW}$ | line | Telsminouth |
| Bartinouth | 1.vin | '1'ruro |
| 1be.t | Maldon | Weymonth |
| touplas | Sanche tar | Whitly |
| lhiver | Marypuirt | Whitehaven |
| Finuter | M ${ }^{\text {a }}$ (illentoroukt | Wiskeely |
| Falmouth | siliford | Wordibridge |
| Fivernhath | Newrastle | Yorkington |
| $F$ Fertwroul | Newhaven | Sarmouth |
| Folkeatone | Newport |  |

Manchestor, IInlitax, Leeds, and Jraiford are warchousing towns under customs regulations.

| Scotland. |  |
| :---: | :---: |
| Duntle | 1, efith |
| (thangow | Alonirose |
| (irangenouth | l'erih |
| Eratan | Peterheal |
| direenock | 'ort Glasy w |
| Inverness | 'Jrom |
| Kirkcaliy | Wher |
| Irelumi. |  |
| tiaway | Sligo |
| , innerick | Tralee |
| Londondtry | Watertoril |
| Newry | Wextmort Wexford |
| Skitureen | Posphal |

## Wirehotse Rates.

## Charges on Goods on Delivery from Warehonse

 for Hous Consumption (23 \& 24 Vict. c. 110).There shall be charged upon goods deposited in any warchouse for security of cluties of eustoins, ill addition to such duties and any other charges thereon, for every 100l. of such iluties of customs pnyable thereon, the rates following, viz.: -

On delivery for home consumption from any warehouse approved unter tho 'Customs Consolidation Act, 18033,'


Whether such tobace or other goods shall have been removed to such warehouse under linad or not.

On delivery for home consumption from any warehouse at any port or place not possessing the privileges of bonding nt the time of the passing of this Act, or from any warehouse approved under any Aet other than the 'Customs Consolidation Act,' 1853, viz.:-

$$
\begin{aligned}
& \text { In respect of tobacro } \\
& \text { other goods }
\end{aligned} \quad-\quad . \quad \text { Fins. }
$$

## W.inemouse lRent.

Rutes for Warehonse Rent on Goods Deposited in the Queen's Warehouses.
per week
Packagen of haggage, and small packages of presents.
such as boses, kegs, jurs \&c., enpply caski, samples;
and wines, spiritw, or other ligulds, not exceeding if
pallon:
2d. per pack.
larkages of wine, splrits, or other liquids, exceeding
Eaceallon and not esceedin $\mu 20$ galtona
The baggage of passengers and surplus stores are allowed to remain n week, exclusive of the

## WATClitis

day of recelpt and delivery, and other goots 3 days, free of rent, to give the purtien time for their exambation and clearance.
Stores of mavil othicers pald off, remuin 12 montlis free. Stores of merelanit vessels ure charged in low rent according to alze or contents. [STOLER.]
Abatrurt Ntutement ahowing the Tiotal Quantitirn uf' the Princijnal Articlev in the Cowtom: Bonterl Wuruhonnes of the United Kingrinm on Devember 31, 18ti', whil Derember 31 , $1 \times 6 \%$.

| Arilcten | Quanities lat W'asphatser |  |
| :---: | :---: | :---: |
|  | 17ere, 31, 14.ali | 1/rr. 31, 1467 |
| Cocoa - - 1 h . | 3,673, 3.246 | 5,224, $\mathbf{S}_{17}$ |
| Tullie - - | 37.919 +nM 8 | 41,4151, $01 \%$ |
| Cuprante - cwt. | 311,030, | 150, $0^{4}$ |
| llamaman - \%r | A1,730 | 91,9\% |
| Inmi - Kal. | 7rifitu94 |  |
| Jramuly | 6,313,421 | 7,194,56, |
| Geneva ${ }^{\text {a }}$ | 1.3i:304 | 18\%.798 |
| Sunnr, gefinet, andymgar rabily cwt. | 87, m M | (1) N |
| Augar, ¢aw - " | 3,2.844.314 | 2,111, 1 2 24 |
| Malanses - " | 119, ${ }^{\text {a }}$ | 15,473 |
| Tea - Mli. | 160, $3711,6.94$ | (1,091, 1 ix |
| Tobacen, unmanuffuctured | 77,401,291 | 76, $\times 13,3,671$ |
|  | 3,115,196 | 2,9n1.0! 17 |
| Wine - - kni. |  | 1.7,395.781 |

WATCII, A division of time on bonard mhil, by which the duties of the erew are regulnted. A shipis crew is divided inte two watehes, the starboard or captain's watch und the port or mate's wateh. The tirst otlicer has the entire and independent charge of the port witch. 'The second officer attends to the starboard watel under the orders of the eaptain. Each wateh is on tleck for 4 hours or 8 bells, extept from 4 to $81 . \mathrm{m}^{1}$, which is divided into it bells each and is termed the dog wateh. It is thus divided to egunlise the time of the night duty, each watch taking elght hours, and four liours altermately.

WA'TCIIES (Ger, uhreı, tasehenuliren; Fr. montres; Ital. orinoli da tusea, " da saccoceia; Spuna relojes de faltriquera; Russ, karmaunlio tschasil). Portable machines, generally of a small gize and round lat shape, that measure and indicate the snceessive portions of time; having, for the most part, their motions regulated by a spiral epring. When constructed on the most approved principles, and executed in the best manner, a watch is not only an exceedingly useful, but a most admirable piece of mechanism, It has exercised the genias and invention of the noost skilfnl meelianics, as well as of some of the ablest mathematicians, for nearly 3 centurics, Ancl, considering the smallness of its size, its capacity of being carried about uninjured in every variety of position, the number and complexity of its movements, and the extraordinary accuracy with which it represents the successive portlons of time as determined by the rotation of the eartli on its axis, we need not wonder at Dr. Paley having referred to it as a striking specimen of human ingenuity.

Spring watches are constructed nearly on the aame principle as pendulum clocks. Instead of the pendulum in the latter, a spring is used in the former, the isochronism of the vibrations of which corrects the unequal motions of the balance.

Historical Notice--The invention of spring watches dates from about the middle of the seventeenth century, and has been warmly contested for Huygens and Hooke. The English writers generally incline in favour of the latter. Dr. Hutton says (Muthematical Dictionary, art. 'Watch') that the words 'Rob. Hooke invenit, 1658,' were inscribed on the dial plate of a watch presented to Charles II, in 1675. But Montucla
aflirms (ilistoive des Suthimutignes, toni. il, p. 413, ad. 18(0) that linygens nade this obelie diconverte' in 165t, and jrosented a spring watil to the States of Ilollnind ill 1657. Compmithg these statpuents, it certainly appears that the riain of lluygens to the priorlty of the dimewory is the lsotter entablinged of tho two. We rlo noi, lowever, believe that elthar of those clivtin guishod jersous owed, in this respect, anything to the other. The probability seens (tr be, thint the hupy liden of employing a spring to regulate the motion of wateless occurred to bleem both nearly at the same time.

Improvement uf' Wutches.-Owing to the fucilits with whieh the loupitude miny he detormined lig the ald of acenrutely golng watches, it is of \&ureai hinurtance to have them made as pertint as possible. In this view, liberal premiums have been given to the makens of the best marine watches, or chronometers, hy the (iovernments of lingland, Vrance, Spain dec. In the reign of Queen Anme, l'arlimment offered a rewart of $2(1,0001$, to muyone who should make a whed ut other linstrument, enpable of determining the longitule nt sen, within ecrtnin limits. flhis magalitent preminm was awarded, ha 1764, to the celebrated John llarrisan, tor a marine Wateh, which, being tried in a voyage to lhar. badoes, determined its longitncle with even mone than the reguired accurncy. Other premium. though of inferior amonist, were subsequently given to Messrs. Mulge, Arowld, Varnshaw Re. Since 1822, two prizes, one of 1000 . and one of 200l., have been mnually fiven to the makers of the two chronometers ndjudged to be the best, atter laving been nubmitted to a twelvemmath's trial at the Royal Obsorvatory at (ireenwith. And to such perfection has the manutacture attained, that some of the chronometers amployed by navigators, though carried into the most opjosite climutes, have not varied to the extent of two seconds in their mean rate of soing thronghout the year.

Watch Manufiacture.-The watch-making business, though latterly a good deal depressel, is ingely carried on in London; the artiste of which lave attained to a ligh degree of excellene in this departnient. In 18 Gb , there were 24,988 gold, and 103,515 silver, and in $1867,25,4: 17$ gold and 98,143 silver watch cases assayed at (iollosmiths' Hall, Lomion, the aggregate value of those for 1867 being, probably, not much under 680,0001 . The manufacture is also carried on to a considerable extent at Ilirmingham and Chester, 11,700 silver eases having been nssayed und marked at Birmingham, and 12,507 gold and 18,505 silver at Cliester, in 1866.

On the Continent, watches are principally manufactured in Paris, Geneva, and in Neufchatel. Some of the French and Swiss watches, particularly the latter, are excellent; but, gencrally speaking, they are slight, and inferior to those made in London. Paris and Geneva wateles are largely exported to foreign countries; unf are everywhere in high estimation, particularly amour the ladies. In 1867 we imported 24,380 grold and 95,817 silver watches, chiefly from France.

Watches impressed with any mark or stamp appearing to be or to represent any legal liritish assay inark or stamp, or purporting by any mark or appearance to be of the manufacture of the United Kingdom, or not having the name and place of abode of some forcign maker abroad visible on the frame and also on the face, or not being in a complete state, with all the parts properly fixed in the case, may not be imported into the United Kingdom, even for the
liematijues, tom. ii. p. rens mula this "helle cemented a spring watch in 1657. Compuring inly appenrs thut the riorlty of the dincovery f the two. We do not, ither of those diatinthin respect, mythimg obability seens t" be, employing " Niming to atelies iecurred to thenis inus.
8. - Owing to the fimility may be determitud lị of watches, it Is of greai m male as perfiret as liberal preminms have ers of the lest marime , by the (ioverumenta of dec. In the ruign of it offered a reward if should inake a wateh ur de of cletermining the II certain limits. This as nwarded, is: IVG., to larrison, for a marine ed fin a voyuge to larnugitule with even more racy. Other promiams, unt, were subsequently , Armold, Earnsluw Re: one of $300 \%$, and the of $y$ given to the makers of uljulged to be the best itted to a twelvemonthis servatory at (ireenwinh. a has the manufueture ie chronometers employed carried into the most not varied to the extent cir mean rate of groing
-The watch-makiug busigood deal deprossel, is don; the artists of which degree of excellence in 186i6, there were $26 ; 988$ and in $1867,25,437$ goll a cases assayed at tiolite aggregate value of those not much under 680,0001 . so carried on to a confrminghan and Chester, ving been assayed mui 13, and 12,507 goth and in 1866.
ches are principnlly manneva, and in Neifchatel. nd Swiss watches, parexcellent; but, generally ht, and inferior to those and Geneva watcles are reign countries; and are nation, particularly nmonct imported 24,380 grold and hiefly from France. ith any mark or stamp, present any legal lbritish purporting by any mark the manufacture of the pt laving the name ant e foreign maker abroad 1 also on the face, or not tate, with all the parts case, may not be imKingdom, even for the
purpose of being warchoused. ( 3 \& I Wm. IV. c. 52 \%. 18. See alw 'Irade Marks Aet, 25 de ! Vjet. e. 88.)

Watrhes in Chime.-I'retty considerable numbers of bisopean watches are imported into Chinn; and it may be worth mentioning, as a curlous lastance of the diversity of tastes, that the Chinose, an well as most other Eastern nations, who ean afforil it, unlformly wear watrhea in puirn! 'I'his sort of extravagarico is not, however, contheal to watches, but extende to a varicty of other articles. Shawla, for example, are invariably worn in Intin in pairs of exactly the same pattern; und it is hardly posslble, indeed, to find a mative dealer who will sell a single whawl.

WATlik. It may be thought innceessary, perbape, to sny anything lis a work of this nort with respect to a fluhil no well known ulal so abundant.
]hit, besides belag an indispensable nocessary of life, water is, in inost large cities, in importunt commercial article. It is in the latter point of view, prinelpally, that we mean to consiller it. Inasmuch, however, as the morle of supplying different phaces with water, aul its price, neces sarily vary in every possible way, we shalt limit our remarks on theso nubjects to the metropolis only. 'The lew remarks we intend to offer of a general nature will apply indifferently to uny populons place, the supply of which with water occasions a considerable expense.

1. Quality of Wuter.-Dr. Ure has made the following shatements with respect to tho quality of water:-' Water,' says he, 'is n very transparent Inid, possessing a moterate tlegree of activity with regard to organised substances, whel renders it friendly to animal and vegetable life, for both which it is, indeed, indisuensably necessary. Hence it acts but slightly on the organs of sense, and is therefore said to have neither tnste nor smell. It appears to possess considerable elasticity, and yields in a perceptible degree to the pressire of air in the condensing machine.
'Nat, e water is seldom, if ever, found perfectly pure. The waters that flow within or upon the surface of the earth contain various earchy, saline, metallic, vegetable, or animal particles, according to the substances over or through which they pass. Kain and snow waters are much purer than these, although they also contain whatever floats in the air, or has been exhaled along with the watery vapours.
"Tho purity of water may be known by the following marks or propertios of pure water :-
2. l'ure witer lis lighter than wnter that is not pure.
'2. I'ure water is more fluld than water that is hot piatr:
3. It has mo molour, amell, or taste.
4. It wety moro envily than the watery montaining motallic ame marthy salts, called hard wateres, mad feds wofter when tobehed.
'5. Sonp, or a selution of soap in alcohol, mixes cinsly and perfectly witl it,
(1). It is not roulered turlide by alding to it a molition of golid in muan regia; or a solution of silver, or of lend, or of mercury, in nitric acid; or a solution of ncetate of lead in water.
' Water was, till modern times, considered as an elomentary or simple anbstance; but it is now ancertained to be a compound of oxygen and hydrogeni.
5. Supply of Water-Lanilon was very ill supplied with water previously to the carly part of the seventeenth century, when the New River water was introduced into the city. T'his exceedingly useful work was plamued and enrried into effect by the famous Sir Ifugh Mydilelton, who expended his whole fortune on the projeet ; lanving, like many other public benefactors, cutailed poverty on himself and his posterity by embarking in an umdertakling productive of vast wenth to others, und of great public utility. The New Itiver has its principal source near Cliadwell, between IIertford and Ware, about 20 miles from Loudon; but tho artificial chninel in which the water is conveyed is about 10 miles in length. Sir IIugh MyIdelton encounterel innumerable difficulties during the progress of the undertaking, which it is probable would have been abandoned, at len't for a time, but for the aid afforded by James I. The New River Compnny was incorpornted in 1619 , 6 years after the water had been brought to the reservoir at Islington. The undertaking yielded very little protit for a considerable number of years; but it has since become extremely profitable; so much so, that an original $\mathbf{0} 001$. share has been sold for $16,000 l$.

The Chelsea Water-Works Company was formed in 1723 , and (with the aid of 3 smaller companies, none of which are now in existence) it, and the New River, supplied all that part of the metropolis north of the Thames with water, down to the year

## I.-Account of the Average Daily Quantity of Water supplied by euch of the Metropolitan

 Companies in 1866.| Name of the Comjany | Ciross Average Daily Quastily in 1shb | guantiey for uthet than llouse Surply | Quanity for Tlouse supply | Nunaber of lloures | Quantity per Fath 1louse | Yopulation Estimated at about | Quantity wis head of Population |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aipra Jian Companibs: New Miver Company | \% Mals, | gals. <br> 4.361,96; | 1s Hals. | 109,198* | $\begin{gathered} \text { pals. } \\ 169 \cdot 75 \end{gathered}$ |  | ${ }^{\text {Hals. }}$ |
| East london Waterworks Company - | 19,380,040 | $5,1 \times 10,000$ | $14,5 \cdots 0,040$ | 90,174 | $\begin{gathered} 160 \\ \text { (nearly) } \end{gathered}$ | 658,370 | $\begin{gathered} 49 \\ \text { (nearly) } \end{gathered}$ |
| $\begin{aligned} & \text { Total drawn from the Xiver lea and } \\ & \text { the wells of the New Hiver Com. } \\ & \text { pany } \end{aligned}$ | 42,238,769 |  |  |  |  |  |  |
| Tbamiss Companifa : <br> Chelvea Walerworks Company |  |  |  |  |  |  |  |
| Cheisea Walerworks Company <br> West Mllddlesez | $8,000,000$ $8,20 x, 168$ | 1,193,000 | 6, 207,0100 $7,82,168$ | 26,900 56,300 | 20, 210 | 201,000 255,500 | $\begin{gathered} 33 \cdot 86 \\ 50 \end{gathered}$ |
| Grand Junction Waterworka Company |  |  |  |  |  |  |  |
| (Michaelmas, 18 titi) : | 8,778,205 | 633,516 | 8,124,359 | 26,450 | 307 | 238,050 | - 34 |
| Used ar athad. waxhing, condenaing | 558,850 | ** | - | * | ** | ** | - |
| southwatk and Vaushalf Water Company (Michnelmas 1866). | 12,202,000 | 3,076,712 | 9,125,28s | $\begin{array}{r} 66,5,30 \\ 4,215 \\ 4,2.35 \\ \hline \end{array}$ | 1329\% | 440,540 | $21 t$ |
|  |  |  | Total | 70.980 |  |  |  |
| Lambeth Waterwortia Company | $8,950,000$ | 1,251,000 | 7,699,000 | 37,203 | 207 | 225,000 | 34-22 |
| Prom Wells, Kent Waterworta | 6,151,000 | . $366,0 \mathrm{~m} 0$ | 5,781,006 | 33,461 | 1;1 | 237,068 | 24.4 |

Excluding trade and business premises and public brifidings.
$\dagger$ For domestic supplies only.
1810. In that year, however, 3 new compmise. the liant lomdon, Went Midllemex, and Girnud Junetion, were extablinhed minder the muthority of Wherent Aets of I'arliament. At prexput (18ibi) the metropolis is supilied with water liy the following companien : -
New lliver,
Chelven,
East lomidon,
Weat Middlesex,
(itand Junctlon,
dambeth,
Vinixhall, Sonthwark, and Kent Water Works.
The sources whence these companken druw their mupplien are stated in Table No. I.

There have been neveral roynl commixsioms appointed to enquire into the atate of the anpply of water in the metropolis. The report of that appuinted in 1827 contalns much useful infurmation, mulat present ( $186 \mathrm{~B}^{9}$ ) there is one commission turning its exclusive nttention to the supply of London, while another on the pollution of rivers is curefully examining the gnallty of Lomdon water Irawn from the Thames and other streams for human use.

Monruoly of the Water Compunief.-The sanctlon of larliament was given to the 3 new companles formed in 1810, not so $m$ : $n$ in the view of increasing the actual supply of water, as of checking monopoly, and reducing the rates by their competition. Hut these expectations have not been renlised. For a while, indeed, the competition of the eeveral companies was exceediugly injurious to their interests, and oecnsioned the total destruction of some of the inferior ones ; but no sooner had this linppened that the others dis-
covered that their hitereats were in reallty the nilue, and that the true way to pronute then was to concert measures together. In firtherance of this olject, the $\delta$ companien for the surply of that part of the metropolis north of the rlver proceeded (o) divide the town into as many dintrictr, binding themaelven, under heavy penaltiex, not to encruach on each other's eatuten: and having in thin way golle the to secure themelves agnilust any new competitorn, thedr next measure was to alii five-und-twenty per cent. to the rates extublinhed in 1x11); mud these linve, hin severn! instances, been atlll further mumented. The peenliar benelits that wore expected to rewult from thedr multipli. cullow hase, therefure, proved quite Imaginar:; and though the minply of water has lieen inereased, it might have been more nbundmit and chenper under $n$ different system.

We horrow T'ables 11, and III. from the evidence tuken hefore the committee of the lonae of Commons in INS1 and In $186 i$ on the Metropolis Water lillis:-

Tuble II.

| W'ater Companies | Imperial ciallona *ulplitedannually | Waser Itrats per Annuill | Comprer itillian IVallon: to the (ompaisy |
| :---: | :---: | :---: | :---: |
| New Ninar |  | ${ }_{179,433}^{2}$ 17 ${ }^{2}$ d, |  |
| Pithelmen. | 1, $134,15 \times, 1 \times N /$ | , 3,417 | $31 \quad 3 i$ |
| Cisand Junction | 1,259,181,930 | 43.5 m 7 x | 3116 if |
| Nouthwark and | 2,195,006,576 | 56,39! 150 |  |
| t.arulueth | 1,183, $21 \times 100009$ | 74, 11617 | 24146 |
| Enot Buthlon | 3, $2 \times 2.35,3,578$ | 76.545 if it | If 191 |
| Kent ${ }^{\text {Wen }}$ | 94, 948,750 | 11,412 is 3 | 13 29 |
| Went Mhallenet | 1,916,9\%9 ${ }^{1 / 18}$ | 65,415 \% 6 | 34 34 |
| Hampread | 16 $6,013,004$ | 7.14191211 | 4 - 4 |
| Total | 16,669,494, y, m | 485,0,55 17 9 |  |

III.-Account of the Amount of Cupital, Rate of Dividend, ant Bonus (if any), of the severul Metropolitan Water Companies, for the Years undermentioned, viz.:-


The results of this Table tend to confirm the rrinciple we endeavoured to enforce in the a, iele Gumpsises, that certain restrictions shouhh, in almost all coses, be imposed on companjes for the supply of water to a large city. 'l'hese are not
undertakings that enn be safely trusted to the free principles thint may generally be relied upon. If there be only one set of springs ulljaeent to a town, or if there be certain springs more conveniently situated for supplying it with water

8 were in reallty the to jromote them was er. In firtherance of for the mipply of that of the river proceesed ofany dintrictn, binding naltien, not to encruach I having in thia way iven aguint aby new maure was to ald ficee raten entublixhed In everal listancen, been 'Tle pesenliar lenefits It fruni their maltipli. ved guite imaghar"; ater lun been increased, nbundnut and cheaper
d Ilf. from the eviulence e of lhe Ilonse of ComCl on the Metropolia

## II.




5,600
4,367 , 0
3
chare of $61 \%$


## 2,130 <br> 8,9450

cent. per an.
$\begin{array}{ccc}8,915 & 0 & 0 \\ 6 & 0 & 0\end{array}$

## e

e safely tristed to the free erally be relied upon. If of springs adjacent to a ertain springs mire consupplying it with water
than any other, a company acquiling a riglit to necessarily throw light on this part of the anch apringe, and lnoorporated for the purpose of conveylig the water to town, thereby galn an exclusive advontuge: and if no limite le net to ita dividemds, its parthers may makn ati pormons prollt at the expense of the public, without its being possible materially to reduce thom by nemas of comper ition. What has happened in the rave of the Nisw IIver Company mufleiently evine'us the truth of whut has now lieen atated. " Hal its dividends been limited to anything like a reasonable protlt, the water that in at present supplied by its means might, have been turnisheri for a sinall part of what it actuaily conts. llut la enses of this sort, priority of occupation, even without any other peculinr advantage, goes far to exclude all regular and wholenome competition. A eumpany that has got plpea Inid down in the streets may, if threntemed by the competitions of another company, lower Ita rutes no as to muke the Inticr withdraw from the fleld; and ns soun as this is done, it may revert to lts old, or eren to higher charges. It is not, in fact, possible, in cumbrous concems of this sort, to have anything like competition, in the ordinary sense of the term; aud experience mhows that whenever it is attempted, it only continnes for a limited periond, and is wure to be in the end effectually nuppressed. W'e are, therefore, clearly of opinion, that no compuny ahould ever be formed for the conveynnce of water Jato a large clty, without a maxinium being aet both to the raies nad the dividents; giviner the company an opthon, in the event of tho maximum rate yielding more than the maximum dividend, eitber to reduce the rate, or to apply the surplus to the purchase of the cempany's stock ; so that ultimately the charge on acconint of the dividends may be got rid of.

We are gland to have to add, that we were supperted in what we now and in former editions of this work hime stated on this subjeet by the Report of the Select Committee of the Honse of Commons on the supply of water for the metropolis, printed in 1821. It is there said-'The public is at present without nuy protection even sgainst a further indethite exteinsion of demand. In eases of dispute there is no tribunnl but the hoarils of the companies themselves, to which individuals can appeal; there are no regulations but unch as the companies may have voluntarily imposed upon themselves, and may therefore at any time revoke, for the continuance of the supply in its present state, or for detining the cases un which it may be withulrawn from the honseholder. All these points, and some others of the same nature, indispensably require legislative regulation, where the subject-mntter is an article of the tirst necessity, and the supply has, from peculiar circumstances, got into sueh a course that it is not under the operation of those principles whiel govern supply and demand in other cases.
'The principle of the Aets under which these companies were instituted, was to encournge competition; and certainly in this, as in other cases, it is only from competition, or the expectation of competition, that a perfect security ean be had for good supply. But your committee are sntisfied, that, from the peculiar nature of these undertakings, the principle of competition requires to he guarded by particulnr checks and limits in its spplication to them, in order to render it effectual, withont the risk of desiruction to the competing parties, and thereby, ultimately, of a serions injury to the public.' And the committee proceeds to remark-"The submission of their accomnts anaually to Purliament, for a few years, would

Ineation.
We think that it would be highly expedleni to adnpt the sughoot ions of the committere, by enillus upon the ennapaides to lay anmanily detailed statements of their atfairs befire Jorlimment. 'they whalll bo whliged lin these ata onmenta to give nis weonit of the rates charged by thom, and to make a mpelini ripurt us to overy ense lin which thoy lanve withitrawn water from a honsehother. It is to nos purpme to repent, lit uppusition t" this jropmand, the combon- bherea abut competition secaring for the citizelns a matleient supply of water at the loverst pricen, in the name way that tho competitim of inkers and butchers secures them nupplies of beef and bread. 'The statementa aiready musu show that there is no anaingy whatever in the circumstances muler which these articles are mupplied. It a man be dissatixdled with any particalar butcher or buker, he may go to another, but it is not possible fior him to chunge his urater merchunt, unkess he alsor change the place of hila resillence. No, water company will encronch upon the divtriet nswigned to noother; and wupposing an indivldual unducky enough to guarrel with those who have the alisolute momopoly of the supply of the dintrict In which he resildes, he must eithor migrate to another, or be withont water, unless lie can get a nupply upon his own premises. Such leing the netunl atate of things, it is quite luclicrous tai talk abont competition nffording any ral securisy ngainst extortion and abose. Even the publication of the proceedlugs of the companies wonld be a very linalerfinte cheek on their combluct; but such as it in, it is jerhaps the only one that call now be resorted to; and as it would have considerable influence, it ought not to be neglected.
13. Quality of the Londlon Wuter.-All the companies, with the exception of the New River and East Iondon Companies, lerive their supplies of water from the Thames; and in conseguence of their taking it up to some extent within the limits tw which the tide flowa, and of the diacharge of the sewerage of Oxford, liealing, and other towns on its banks into the river, the water taken from it is necessarily, in the litst instance, londed with many impurities. llat the reports that were formerly so very prevalent, with respect to the deleterious quality of the Lomien water, have been shown to have heen exaggeratel. J3y far the erreater part of the impurities complained of are not chemically combined with it; and they may be separated from it by tiltration. Most of the companies have recently made very considerable efforts to improve their water, nind the forthcoming leports of the two commissions will show how far they have been suecessfil. But though the companies may not have done in this respect as much, perhaps, ns they might and should have done, a grent improvement has, on the whole, been cffected: and notwithstanding all that has been said to the contrary, it is quite certain that, though not so pure us it might be, there is not the slightest foundation for the notion that its impurities have been such as to affect, in any serieus degree, the health of the inliabitants.

The returns of 1851 are taken from the report by the Government Commission on the chemical quality of the supply of water to the metropolis in 1851 ; and those of 1856 are taken from the Reports to the IRight Hon. William Cowper, M. ${ }^{2}$. president of the General Boaril of Health on the metropolis water supply in 1856.

In 1851 , the population of London was $2,362,236$; consequently there were 19.4 gals. of water supplied per head of the whole population. In 1856 ,
IV.-Comparmon of the Quality and Quantity of Wuter surplied ly the Metropolitan Water Cimpunies in the Fears 1851, 1856, unal 1867.

| Companies | Solid Matter, juer (ialion |  |  | Organic ant sther Vidatile alatur, jer Gillan |  |  | Degree cf llardness |  |  | Quantity niplutied ger Day |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 18 | 18.56 | 1 S 67 | 18.1 | 18.5if | 18.7 | 18561 | $1 \times 36$ | 1567 | 18.11 | 18:56 | 1867 |
| New Rlver | 10.50 | $2{ }_{2}{ }^{\text {kr }}$ | $21.5 \%$ | Kr. | (1400 | $0.57$ | cleg. | lag. | deg. |  |  |  |
| East London | 23.51 | 21.43 | 21.36 | 4.12 | $1 \cdot 14$ | 0.31 | 1.511 | 113 | 1.15 | 9,036, 1119 |  | 19,321,488 |
| Chelsea - | 41.48 | $21 . \times 5$ | 18.94 | $2 \cdot 38$ | $1 \cdot 1$ | 104 | 14.1 | $13 \cdot 5$ | 13: | 3,9414,730 | S, $32.3,1 \times n$, | 7, 1118,375 |
| Thames $\left\{\begin{array}{l}\text { Wrat Mitidiesex } \\ \text { Girand Junction }\end{array}\right.$ | 28.67 | 2010.38 | 1!988 | 2•75 | 1.47 | $1 \cdot 16$ | $15 \cdot 6$ | 14\% | 13.4 | 3,3.34,1151 | 6, $\times 9.3$, 364 | 8, 230.8084 |
| Com- $\left\{\begin{array}{l}\text { Grand Junction } \\ \text { Southwark and }\end{array}\right.$ | 21.72 | 24'28 | 19-97 | $5 \cdot 67$ | 1.50 | 1.19 | 140 | $15 \%$ | 1.30 | 3,541,717 | 6,7 14,292 | $8,764,050$ |
| panies V Voushall $=$ | 21.08 | 2085 |  | 1.5! | 1.31 | $1 \cdot 61$ | 150 | 153/3 | 15.4 | 6,013,716 | 10,731,142 |  |
| Kent Lamheth * | $215 \cdot 11$ | $19 \cdot 6.3$ | 18-7k | 2:39 | 1.05 | $1 \cdot 21$ | 1492 | 11.7 | 13.5 | 3, 177 , 2til | (6,109, 1416 | 8,45618 |
| Kent - | $24 \cdot 71$ | 2 thiol | 27.12 | 2 -i) | 1.48 | iv. 31 | $16 i$ | 11.8 | 16.0 | 1, 0819.511 | 8,36,3, 311 | 5,427, 200 |
| Tntal | .. | -. |  |  |  |  |  |  |  | 19,947,177 | 3t,01!, 84 | 16,491,22\% |
| Companies | 13 | 21:31 | 115.48 | 2.16 | 131 | (1)9\% | 1.4 | 1,4:5 | 13.3 |  |  | . |
| A verage or New $H$ ver and East London - | $21 \cdot 50$ | $21 \cdot 57$ | 409.9\% | 5.15 | 1 (b) | $0 \cdot 47$ | 1493 | 1.79 | $14 \cdot 2$ | 21,471,666 | 11,(106),006) | 44,85,3,90.5 |
| panies | 24.48 | 21.01 | $21 \cdot 30$ | 2073 | $1 \cdot 28$ | 0.71 | $14 \cdot 8$ | 1.3 .1 | 1.19 | 45, 815.342 .0 ¢ | :8,2tw, $74 \%$ | 91,675,530 |

*This istal includes 427,168 gallons of water dally, supplied by the 11 ampstead Company in 1854.
 the population was 2.583,112 ; and the supply upwards of 34 gallons per head ot the popalation. $30 \cdot 2$ gals. In 1867 , the population being $\mathbf{3 , 0 6 7 , 5 3 6}$, Before the passing of the Metropolis Water Act the supply was 30.3 gals. of 1852, considerably more than half the supply
We touit whether there be at this moment was not intered; subsiting reservoirs were in such many considerable towns in the empire, or, indeed, case the only means of clearing the water of impuin Europe better supplied with excellent water rities in suspension ; but these are now for the than London.

According to the return furnished by the several cost of the entire water works of the metropulis water conpanies in 1850 , it appeared that 270,581 having been considerably upucards of seven milhouses were then supplied with water, the gross lious sterling. Even this amount, howeyer, will daily quantity delivered having been $44,383,332$ fall short ot the total expenditure; for the ingallons. termediate ontlays between the former zeturns It will be observed from the preceding table No. and the passing of the new Acts, and the cost of I. that the supply of water to the metropolis by many works in hand, but not yet complete, are the companjes lias now renched the enormous not ineluded in this sum. quantity of upwards of 95 million gallons per day. Thus the arerage daily supply of water for all purposes, which in 1850 was 164 gallons per house, was, in 1868 , as furnished by the varions com-
paniss, for domestic purposes alone, from 21 to

The subjoined table, No. V., illustrative of the guality of the water supplied to the chief towas of England and Scotland, is taken from the Report table in Watts's Dictionary of Chemistry.

## V.-Table, showing the Quality of the Water snpplied to the following Towns in England and Scotland.

| Name of Town | Appearance of the W'ater when eamined in a (ilass Tube zh. all Lengit | Solld <br> Matter pier <br> Gallon | Orzanic <br> and other Volatile Matter yer Gallon | Oxygen requirnd to Clyy. dise Urganic anil sther Mater | Ammonia per Gallon | Har <br> Hefore Bolling | ness <br> After Boiling | $\underbrace{1801}_{\text {Dopulation }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | gr. | 4 H . | g1. | gr. | cg. | d |  |  |
| Airminghatm | Slinhtly turbld, and palc vine greell | 57:70 | $1 \cdot 65$ | $0 \cdot 090$ | 0.020 | $15 \cdot 5$ | 11.3 | 212,6\%1 | 414 |
| Leamington | Slighitly turbit, and pale | -5.79 | 1.98 | $0 \cdot 185$ | 0.045 | $18 \cdot 5$ | $9 \cdot 1$ | 18.768 | 10.9 |
| Giulditord | Bricht and colourless - | \% $010 \cdot 6$ | 2-it | 11175 | 0.1412 | 18.5 |  | 44, $9, .30$ | $19 \cdot 1$ |
| Sunderland and S. Shlelds | ditto ditto | \%6\% | $1 \cdot 111$ | (0)020 | $0 \cdot 141$ | 12.6 | 8.11 | 130, 0.55 | 410 |
| Southiort | clitto ditto | 2x.33 | 2 dis | $\mathrm{H}_{6} \mathbf{4} 5$ | $0 \cdot 080$ | $19 \cdot 5$ | 12.3 | 14,647 | 19.0 |
| Newcastle and Gatesheal - | Slighty turbith, and pale | 24.3.3 | 0.95 | $0 \cdot 080$ | 0.019 | $19 \cdot 5$ | 6.5 | 11,616 | $19 \%$ |
| Wakefield | Turbid and olive green - | '24.23 | 1.3] | (1.1)10 | 0.115 | 86.0 | 18\%11 | 3:,649 | 418 |
| Dover - | Bright and nearly colourless | Y'01 | 1.08 | ()+105 | $0 \cdot 001$ | $17 \cdot 0$ | 4*5 | 51,685 | $4{ }^{12 \%}$ |
| Centerbury | colourless - | 21.8 .5 | $1 \cdot 60$ | $0 \cdot 617$ | $0 \cdot 185$ | $18 \cdot 0$ | $4 \cdot 3$ | 16,64.7 | 21.1 |
| Norsich | nearly colontless | $21 \cdot 19$ | $1 \cdot 10$ | $0 \cdot 024$ | 0.125 | 145 | $5 \cdot 11$ | 71,411 | 467 |
| Croyion | ditto dito - | 20175 | $0 \cdot 80$ | \%0w1 | $0 \cdot 0$ | 16.4 | $5 \cdot 1$ | 4 4 4 i 1 | $15 \cdot 4$ |
| York - | ditto slitto | 19+18 | (1.81) | (1-184) | 0.0261 0.001 | 1.3 | \% 0 | 39.909 | 4\% |
| Derty - | ditto dilta | 11.04 | $1 \cdot 16$ | 0-03.3 | 0.601 | 144 | !0 | St,049 | 43.3 |
| Lincoln - | pale olise green | $14 \cdot 31$ $16.5!$ | ${ }^{1} \cdot 35$ | 0.078 0.106 | ${ }_{\substack{0 \\ 0.0018 \\ 0 \times 1135}}$ | 110 100 | $\begin{array}{r}7.3 \\ \hline 60\end{array}$ | 47,1663 301469 | 20.9 |
| Worcester Chelienham | dlito pale peaty tint |  | 1.16 | 0.106 0.1487 | 0.010 | $1 \% 0$ | 160 60 | 31, 49,548 | 20.0 18.9 |
| Liveriool and W. Derhyi*. | Sllphtly turbid and peaty. | 14.64 | $0 \cdot 5.5$ | $0 \cdot 1185$ | $0 \times 1130$ | $9 \cdot 6$ | . 5.5 | 195,387 | 48.2 |
| Durham | Brisht anti nearly colouri's: | 1.568 | $1 \cdot 1$ | (1)203 | 0.030 | 7.5 | 6.9 | 70,2i4 | 20\% |
| Ieeds - | dito pale olive green | 15.37 | $0 \cdot 38$ | $0 \cdot 110$ | $0 \cdot 010$ | $7 \cdot 5$ | $6 \cdot 5$ | 117, 566 | 264 |
| Edinluargh | ditto nearly colonrlens | $11 \cdot 30$ | $0 \cdot 37$ | $0 \cdot 1160$ | $0 \cdot 0182$ | $7 \cdot 0$ | $2 \cdot 1)$ | 176, 1 ml | $28 \cdot 1$ |
| Preston- | Turlid and sliphtly peaty - | - 21 | $0 \cdot 07$ | $0 \cdot 115$ | $0 \cdot 0: 5$ | $5 \cdot 5$ | $2 \cdot 9$ | 110,525 | \% $8 \cdot 13$ |
| Dundee - | Stuhty turbid and peaty. | 7.16 | 18.50 | C.17f | C6m2 | $4 \cdot 3$ | $1 \cdot 3$ |  |  |
| Shemeld | Ifright and jeaty . | $5 \cdot 90$ | (1) 50 | $0 \cdot 450$ | $0 \cdot 618$ | $2 \cdot 0$ | $2 \cdot 0$ | 188,961 | 854 |
| Glasgow, south of Clyde (Gorbals) | Slightly turbid and peaty - | $5 \cdot 91$ | 0.63 | 0.1 .55 | $0 \cdot 0 / 88$ | $2 \cdot 9$ |  | 410,979 | 271 |
| Glasgow, north of Clade (Coch Ka(rine) | disto dittn | 109 | $0 \cdot 31$ | 0.110 | $0 \cdot 038$ | $1 \cdot 0$ | $1 \cdot 0$ |  |  |
| Plymouth - | diripht and rather peaty - | $4 \cdot 64$ | $10 \cdot 41$ | 11035 |  | $3 \cdot 1$ | 1-11 | 6.2.594 | \% \% |
| Nanchetter and Salford | dicto deep ulivegreen - | 4.17 | $10 \cdot 25$ | 01125 | 11.146 | $2 \%$ | $2 \cdot 11$ | $\underline{.561 .583}$ | 4 |
| Towns with waser over 1110 harinness - | Irlaht and nearly colourlits | 25.90 | $1 \cdot 37$ | 0.068 | 0.028 | 14.9 | $7 \cdot 1$ | $\cdots$ | $45 \cdot 2$ |
| Towns with wattr uncler $10^{\circ} \mathrm{h}$ ridness | Generally kitghtly tumbid and peaty | $8 \cdot 3$ | $0 \cdot 49$ | $0 \cdot 102$ | 0.021 | $4 \cdot 9$ | $2 \cdot 6$ | - | wil |
| Melropolitan water - | Briwht and sllghtly greenish yellow | $20 \cdot 17$ | $1 \cdot 18$ | $0 \cdot 1072$ | $0 \cdot 002$ | 13.1) | $4 \%$ | . | ki. 1 |

WATER
WEIGHTS ANI) MEASURES
1511
The late Jr. Strang, of Gila gow, in a paper on | fore the British Assoeiation for the Advancement the supply of water to great tow an, real in Ixix he- of science, gave the following table:-
VI.—Watar Snpply to Great Tomens.-Summary of Rersults.


This is a very valuable table, ond condenses a not melt under $140^{\circ}$. (Thomson's Chemistry, great deal of information withis the narrowest and 1r. A. 'T. Thon.son's Dispensatory; British compass.
But Dr. Strang appears to have underrated the supply of water to each inlabitant in London. I considerable portion of the immense population within the bills of mortality derive their supplies of water from other sources than those specitied above.
4. Wuter for Ships.-Various improvements have been mude in the art of preserving water on buard ships. Of these, the principal are the charring the inside of the casks in which the water is kept, and the substitution of iron tanks for casks. The latter being made of the required shape, may be conveniently stowed into any part of the ship. In men-of-war, the iron tanks serve in ballast; the water being lorought up br a foreing pump. Whter is found to preserve better in them than in my other sort of vessel. Dripstenes may be employed with much advintuge in the purification of water. When water is taken on board from a river into which the tide tlows, it shoukd, of course, be raised at low elb.

WAX BEES' (Ger. wachs; Fr. cire; Ital. and $S_{\text {pan. cera; Russ. work). A vegetable product. }}$ Several plants contain wax in such abuudance as to make it worth while to extract it from them. But all that was known in commeree, down to a comparatively recent period, consisted of bees' wax. The honey is first pressed from the eomb, and the wax is then melted into cakes. It has a slight odour of honey, is insipir, and of a bright yellow hue. It is brittle, yet soft, and somewhat unctuous to the touch. It is often adulterated with earth, pea meal, resin de. The presence of the former may be suspected when the cake is very brittle, or when its colour inclines more to grey than to yellow; and the presence of resin may be suspected when the fracture appears smooth and slining, instead of being granulated. Wax, when bleached or puritied, is white, perfectly imsipid, inodorous, and somewhat transhucent; it is hard not unctuous to the touch, heavier and less fusible than yellow wax, and dues not melt under $1500^{\circ}$. It is sometimes adulterated with the white oxide of lead to increase its weight, with white tallow, and with potato starch. The first is detected by melting the wax in water, when the oxile falls to the bottom ; the presence of tallow is indicated by the wax being of a dull opaque white, and wanting the transparency which distingurshes pure wax ; and starch may be detected by applying sulphuric acid to the suspected wax, as the acid earbonises the starch, without acting on the wax. 'The yellow wax is tirm, breaking with gramular fracture, of an agreeable, honey-like odour, not metuous to the touch, and does

Phurmacopteia 1867.)
Notwithistanding the large supply of wax produced at home, a considerable quantity is also imported from abroad. The duties on wax, which were formerlv quite oppressive, after being greatly reduced in 1842, were wholly repealed in 1845. In 1833 the foreign wax retained for consumption amounted to $1,310 \mathrm{cwt}$. In 1867 the imports and re-exports of wax were respectively 9,856 and $4,6 \overline{4} 4 \mathrm{cwt}$. Of $9,8,6 \mathrm{cwt}$ was imported in 1867 , and valued at $\overline{7}, 86 \times 1 ., 1,334 \mathrm{cwt}$. came from Portugal, 1,061 cwt. from Moroceo, $1,162 \mathrm{cwt}$. from the West Coast of Xfrica, $1,79 \mathrm{j}^{-}$ewt. from the United States \&c.
WEIGH'S Anil MEASURES. Weights are used to ascertain the gravity of bodies-a quality depending partly on their magnitude and partly on their density. Measures are used to determine the magnitude of bodies, or the space which they оссиру.
(For an aecount of the weights and measures uved in foreign countrics, and their equivalents in English weights and measures, see the notices of the great seajort towns dispersed throughout this work. Thus, for the Russian weights and measures, see Petensburg; for those of China, see Canton; \&c.)
Neitiser the maguitude nor the weight of any one body can be determined, unless by comparing it with some other body selected as a standard. It is impossible, indeed, to form any idea in respect of magnitude or weight, except in relation to some clefinite space or weight with which we are acquaintel. We say that one article weighs 1 pound, another 2 pounds, a third 3 pounds, and so on; meaning not only that these weights are to each other as $1,2,3$ \&c.. but also that the weight or specitic gravity of the tirst is equal to the known and determinate weight denominated a pound, that the second is equal to 2 pounds, and so on.

Standurds of Weight and Measure.-Standards of lineal measure must have been fixed upon at the carliest period, and appear to have consisted principally of parts of the human body-as the culit, or length of the arin from the elbow to the tip of the middle finger; the foot; the ulna, arm, or yard; the span; the digit, or finger; the fathom, or space from the extremity of one hand to that of the other, when they are both extended in opposite directions; the pace \&e. Large spaces were estimated by measures formed out of multiples of the smaller ones; and sometimes in day's journeys, or by the space which it was supposed an ordinary man might travel in a day, using a reasonable degree of diligence.

But lineal measures can only be usel to determine the magnitule of solid bodies: the margitude of bodies in a liquid or tluid state has to be determined by what are called measures of eapaeity. It is probable that, in the infimer of society, shelis, or other hollow instruments ailorded by nature, were used as standariss, But the inaceurace of the conclusion drawn from referring to them must soon have hecome obrions; and it early oceurred, that to obtain un accurate measure of liquids nothing moro was necessary than to constitute an artifieial one, the dimensions, and consequently the capaeity, of which should be determined by the lineal measures previonsly adopted.

The determination of the gravity or weight of different bodies supposes the invention of the balance. Norhing is known of the stepe wifich led to its introduction; but it was used in the remotest antiquity. It seems probable that, at first, cubes of some eommon lineal measure, as a foot, or the fraction of a foot, formed of coppe; iron, or some other metal, were used as standards of weight. When the stanlard was selected, if it was desired to ascertatin tho specitic gravity or weight of any given article, all that was necessary was to put it into one of the seales of the balance, and as many eubes or parts of cubes on the other as might be necessary to ccanterpoise it.

Weights have, however, been frequently derived from grains of corn. Hence, in this, and in some other European count ries, the lowest denomination of weight is a grain; and 32 of these graius are directed, by the ancient statute called Compositio Mensurarum, to compose a pennyweight, whereof 20 make an ounce, 12 ounces a pound, and so upwards.

In every coantry in which commercinl tramsactions are extensively carriel on, the importance of having weights and measures determined by some fixed standard becomes obvious to everyone. But as the sizo of dilferent parts of the homan body differs in different individuals, it is necessary to select some durable article-a metallie rod, for example-of the length of an ordinary cubit, foot \&c., and to make it a standard with which all the other cubits, feet de. nsed in mensuration shall correspond. Theso standards have always been preserved with the createst care: at Rome, they were kept in the temple of Jupiter; and among the Jews, their custody was intrusted to the family of Aaron. (l'aicton, Mitrologie, p. 223.)

The principal standards uscd in the ancienc world were, the cubit of the Jews, from which their other measures of length, capacity, aud weight were derived; and the foot of the Greeks and Romans.

In England, our ancient historians tell us that a new, or rather a revived, standard of lines. 1 measure was introduced by Henry I., who ordered that the ulna, or ancient ell, which correspronds to the modern yari, should be made of the exact length of his own arm, and that the other measures of length should be raised upon it. This standard has been maintained, without any sensible variation. In 1742 the hoyal Society had a yard made, from a very eareful comparison of the standard ells or yards of the reigns of lienry VII. and Elizabeth kept at the Exchequer. In 1758 an exact copy was made of the Royal Society's yard; and this eopy having been examined by a committec of the Honse of Commons, and reported by them to be equal to the standaid yard, it was marked as such; and this identical yard is declared, by the Aet 5 Geo. IV. c. 4 , to be the standarl of lineal measure in Great Britain. The clause in the Act is as follows:-
' From and atter the 1.t of May, 182; (Nullseguently extended to the Ist of Junuary, $1 \times: 1 i)$, the atraight line or distance low ween the centrey of the 2 points in the gold studs in the straisht brass rod, now in the eustody of the clerk of the Ilouse of Commons, whereon t:e words mid figures "Standabd Yabt, 17 ito," are engraved, shall be the origimal and gemuine stamulard of that neasure of lengrth or hinal extension callad a vard; and the same straight line or diatance between the centres of the said 2 points in the suid gold studs in the said brass rod, the brass buing at the temperature of $62{ }^{2}$ by Fabuenheit's thermometer, shall be and is herely," denmminated the "lamemal Standame Yabi," ami shall be and is hereby declared to be the mit or only standiard measure ni extension, wherefrom or whereby all other measures of extension whatsoes re, whether the same be lineal, saperlicial. or solid, whalt he derived, computed, and nseertained; and that alt measures of length shall be tuken in parts or multiples or certain proportions of the said standard yard; and that $\frac{1}{3}$ of the said standard yard shall be a foot, and $\frac{1}{3^{2}}$ of such loot shatl bie an ineh; and that the pole or pereh in lengith shall coutuin 53 such yards, the furlong 220 ) such yard, and the mile 1,760 such yards.' (Siec. 1.)
The superticial measures are formed on the basis of the sotare of this standard; it bein; enacted, that
'The rood of land shall contain 1,210 square yards, according to the said standard yard: and that the acre of land shall ecotain $\dot{4}, \mathrm{~s} 4)$ such sifuare yards, being 160 stquare perches, $[$ bles, or rods.' (sce. 2.)

Uuiformity of Wreighis and Measures.--The confusion and incouvenicnce attending the use of weights and measures of the same denomination, but of different magnitudes, were early remark di; and there is hardly a comatry in which ellirts have not been made to reduce them to the same nnitorm system, Numerous Acts of l'arliament have beeli passed, having this coject in view, and enjoining the use of the same weidhts and measures, under very severe penalties. but. owing to the inveteracy of ancient customs, and the difficulty of enforcing new regulations, these statutes have always had a very limited induence, and the grentest diversity has continued to prevail, except in lineal measures. The statute of 5 Geo. IV. c. 74 seems to liave, at lengeth, efiected what former statutes faiked of acemiplishing. It is, perhaps, indebted fir its sueces in this respect to the molerate nature of the ehanges which it introdiced, We have already seen that it made no alteration in the lineal meisures previonsly in use. Neither did it atlect the previously existing system of weights; both the Troy and the Avoirdupois weights having been preserved.
'The 'Troy weight,' says Mr. Davics Gilbert, late l'resident of the lioyal Society, 'appeared to us (the commissioners of weirhts and masures) to be the ancient weight of this "ing:lom, having, as we have reason to suppose, cxisted in the same state from the time of St. Elwaril the Confesor; and there are reasons, moreover, to believe that the word Troy bas no retirence to :my town in France, but rather to the monkish name fiven to Loudon, of Troy Novant, tounded on the legend of Brute. Troy weight, therefore, nevording to this etymology. is, in fhet, London weiglit. We were induced, moreover, to preserve the Troy wipht because all the coinage has been uitormly regulated by it ; and all medical preseriptions or formule now ara, and always have been, estimated by Troy weight, under a pueuliar sub-
$t$ of May, 1825 (sub)ist of danmary, $18 \div(i)$, e lntween the centrey studs in the straight dy of the derk of the reon the words mal , 1760," are ensraveil, mine standarel of that al extension called a lit line or distance bis i.1 2 points in the alid s.s rot, the brass beinic by Fulurenheit's tharreby denmininated the tins" and shall be and unit or omly stamdard refrom or whereby all 11 whatsoever, whether cial, or solisl, slaall lie ertnined; and that all be takin in parts or tions of the saide stanle salid stamdard yated such foot slatl he an perels in lenerth shall urlong $2 \cdot 20$ such yards, -ds.' (Suec, 1.) ss are firmed of the is stamdame; it bein;;
contain 1,210 square I standard rard: and ll eontain $\dot{1}, x(1)$ such mare perches, f. sles, or
and Measures.-The e attenting the use of te same tenomination, , were early remarkcd; intry in which cullers's luce them to the same as Acts of P'arliament this coject in view, the same woizhts and ere penalties. But, anciunt custums, and new regulations, these very limited influence, has continued to ןreasures. The statute to have, at length, ites failed of aceombalebted for its suctoss derate niture of the d. We have already ion in the lineal mesither elid it wlleet the of weights; both the weights having been

Mr. Davies Gilbert, Society, 'appeared to cights and musures) his kiug'lom, having, c, existed in the same lward the Contessor; er, to bolieve that the o any town in lirance, me given to London, the legend of Brute. riraling to this ety1 weight. We were ve the 'Troy weinht, been uniformly regufeal proseriptions or ays have been, cotider a peculiar sub-
division which the College of Physicims have expressed themselves most anxious to preserve.'

It was resolved, therefore, to continue the use of 'Troy weight; and also, on account of the necurney of the Troy standard, to raise the Avoirdupois weight from this basis.
'We fonnd,' said Mr. Davies Gilbert, 'the Avoirdupois weight, ly which all heavy poods have been for a long thine weighed (probably terived from Avoirs (Averia), the ancient mane fiar goeds or chattels, cund Poids, weight), to be iniversally used tlironghont the kinglom. This weight, however, seems not to have been preserved' with such serupulous aceuracy as 'Iroy weight, by which more precions art:cles have been weighed; but we had reason to believe that the pound caunot differ by more than 1,2 , or 3 grains, from 7,000 grains 'roy; some being in excess, and others, though in a less degree, in defect, but in no case amounting to above 1, 2, or 3 grains. It therefore oceurred to us, that we shoull be offering no violence to this system of weiglite, if we declared that 7,000 grains Troy sho'ild be hereafter considered as the posind Avoirdupois.'
In aecordance with these views, it was enacted - That from and after the 1st day of May, 1825, the standard brass weight of 1 pounil 'I'roy weight, mate in the year 1758 , now in the custody of the clerk of the House of Commons, shall be, and the same is hereby declared to be, the originol and genuine standard measure of weight, and that such brass weight shull be, and is hereby denominated, the Imperial Standard 'Iroy pound, aad shall be, and the same is hereby leclared to be, the unit or only standard measure of weight, from which all other weights shall be derivel, computec, and ascertained; and that $\frac{1}{12}$ of the said 'lroy pound shall be an ounce; and that $\frac{1}{20}$ of such ounce shall be a pennyweight; und that $\frac{1}{7+}$ of such pennyweight shall be a grain; so that 0,260 such grains shall be $n$ Troy pound; ana that 7,000 such grains shal! be, and they are bereby deelared to $\mathrm{b}_{\mathrm{c}}$, a pound Avoirdupois, and that $\frac{1}{10}$ of the said ponnd Avoirdupois shall be an ounce ${ }^{10}$ Avoirlupois, and that $\frac{1}{10}$ of such ounce shall be a iram.'
At the period of passing the statute 5 Geo. IV. e. 74, the measures of capacity wes found to be in the greatest confusion; and a considerable change has consequently been made in them. The wine $s^{\text {allon }}$ formerly amounted to 231 cubic inches, the corn gallon to $268 \%$, and the ale gallon to 282. But these are superseded by the Imperial gallon, which contains $273 \cdot 2 \overline{7} 4$ cubic inehes, or 2774 very nearly. It is dednced as follows:-
'The standard measure of capacity, as well for liquids as for ilry goods not measured by heaped mensure, shall be the Galizon, containing 10 ll . Ayoirdupois weight of distilled water weirghed in air, at the temperature of $62^{\circ}$ of Fahreuheit's thermometer, the barometer being at 30 inches; and a measure shall be fortliwith male of brass, of such contents as aforesaid, under the directions of the Lord High Treasurer or the Commissioners of his Majesty's Treasury ; and such brass measure shall be, and is hereby cleelared to be, the Imperial standard gallon, and slatl be, and is herely teclared to be, the unit and only stanilard measure of capacity, from which all other measures of capacity to be used, as well for wine, beer, ale, spirits, and all sorts of liquids, as for diry goods not measured ty heapel measure, shall be derived, computed, and ascertained; and all mensures shaik be tuken in parts or imultiples or certain
proportions of the said Imperial standard gallon; and the quart shall be of such standard gallon, and the pint shall be of of such stantard gallon, and 2 such gallons shall be a peck, and 8 such gallons slatl be a bushel, and 8 such bushels a quarter of coru or other dry goods, not neasured by heuped measure.' (Sec. 6.)
We sabjoin a lable showing the contents of the different gallons, both in measme and weight.


Meaped Measures.-The greatest blemish, by far, in the Aet 5 (Ico. IV. e. 74 was the continiance and legritimation of the practice of selling bylemped measure. This practice has since, however, been abolishal, along with the use of all loenl and customary measures, by the Act 5 d 6 Wm. IV. c. 63, which contains several important provisiona.

This Act sets out with repealing the $4 \& 5$ of Wmi. IV. c. 49, and the provisions in the Acts 5 Geo. IV. e. 74, and 6 Geo. IV. c. 12 , whieh require that all weights and measures shall be exaet models or copies in shape or form of the standards deposited in the exchequer; and those allowing the use of weights and measures, not in conformity with the Imperial standard, established by said Acts; or that allow goods or merehandise to be tought or sold by weights or measures established by local custon, or founded on spucial agreement. lt then goes on to enact as follows :-

Wreights and Measures stamped at the Exchequer declared legal,-Weights and measures veritied and stamped at the exchequer ns copies of standard weights and measures, shall be taken to be legal weights and measures, to be used for comparison as copies of the Imperial standard weights and measures, although not similar in shape to those required under the provisions of the said Acts ; and the Comptroller-General, or other duly authorised otheer of the exchequer, may compare and verify, and stamp as correet, standard measures of a yard, standard weights and standard measures of capacity, any weights and measures which correspond in length, weight, and capacity with the standards, or parts or multiples thereof, deposited in the exchequer, under the 5 Geo. IV. c. 74 , although such weights and measures may not be models or copies in shape or form of the standards so deposited. (Sec. 4.)

Copies of the Standard Weights and Measures worn to be re-verified.-All copies of the Imperial standard weights and measures which have become defective, or have been mended, in consequence of wear or aceident, shall forthwith be sent to the exchequer, for the purpose of being ngain com, ared and verified, and shall be stumped as re-verified copies of such standard weights and measures, provided the Comptroller-General, or other officer appointed for such verification, leem them fit for the purposes of standards; and every new comparison and verification shall be indorsed upon the original indenture of veritication; and such weights and measures shall te 3 tamped upon payment of fees of verification only; and the Comptroller-General, or other otheer, shall keep an aceonint of all copies of the Imperial standaris weights and measures verified at the exchequer. (Sec. 5.)

Local and Customary Measures abolished.From and after the passing of this Act, the Win-
chester bushel, the Scoteh ell, and all local or customury mensures, shall be abolished; and every person who shall sell by any measure other than one of the Imperial measures, or some nultiple or aiquot part. thereof, shall be liable to a penalty not excceding 40s. for every such wale: but nothing therein shall prevent the sale of any articles in any vessel, where such vessel is not represented as contnining any amount of Imperial mensure, or of any fixed, local, or customary measuro heretofore in use. (See. 6.)
Heaped Measure abolished.-From and after the passing of this Act, so much of the snid Acts as relates to heaped measure is hereby repealed, and the use of heaped measure shall be aioolished, and all bargains, sales, and contracts made after the passing of this $\Lambda$ et, by heaped measure, shall be null and voild; and every person who shall sell any articles by heaped neasure shall be liable to a penalty not exceeding 40s. for every such sale. (Sec. 7.)

Articles sold by Heaped Measure, how to be sold. -Wherens some articles heretofore sold by heaped measure are incapable of being stricken, and may not be conveniently sold by weight; it is enacted, that all such articles may henceforth be sold by a bushol mensure, cor:esponding in shape with the buslel prescribed by the 5 Geo. IV. e. 74, for the sale of heaped measure, or by any multiple or aliqnot part thereof, filled in all parts as nearly to the level of the brim as the size and shape of the articles will admit; but nothing herein shall prevent the sale by weight of any article heretofore sold by heaped measure. (Sec. 8.)
Coals to be sold by Weight.-From and after January 1, 1836, all coals, slack, culm, and cannel, of every description, shall be sold by weight and not by measure, under a penalty of 40 s . for every sale. (Sec. 9.)
All Articles to be sold by Avoirdupois, excent \&c. -From and after the passing of this Act, all articles sold by weight shall be sold by Avoirdupois weight, except gold, silver, platina, diamonds, or other precious stones, which may be sold by Truy weight; and drugs, which, when sold by retail, may be sold by A pothecaries' weight. (Sec. 10.)
The Stone, Liundred Weight \&c.-From and after the passing of this Act, the weight denominuted a stone shall, in all cases, consis: of 14 standarl pounds Avoirdupois, the hundred neight of 8 such stones, and the ton of 20 suck humilred weights; but nothing herein shall prevent any bargain, sale, or contract being made by any multiple or aliquot part of the pound weight. (Sce. 11.)

Contents of Weights and Measures to be stamped on them.-All weights made after the passing of this Act of the weight of 1 pound Avoirdupeis, or more, shall have the number of pounds contained in them stamped or cast on the top or side thereof in legible tigures and letters; and all measures of capacity made after the passing of this Act shall have their contents stamped or marked on the outside thereof in legible tigures and letters. (Sec. 12.)

Weights of Lead or Pewter not to be stamped.The stamping of weights of lead or pewter, or of any mixture thereof, is predibited after January 1, 1836 ; but nothing herein shall prevent the use of lead or pewter, or any mixture thereof, in the manufacture of weights wholly and substantially cased with brass, copper, or iron, and legibly stamped or marked 'cased,' or prevent the insertion of such a plug of lead or pewter into weights us shall be benâ fide necessary for adjusting them und nffixing the stamp thereon. (Sec. 13.)

Conversion of Rents, Tolls \&c.-Clnuses 14 and

15 regulate the proceedings that are to take place in England, Irelaud, and Scothand, for the conversion of rents, tolls \&e. poyable in weights or measures now abolished into Imperial standard weights and measures.

F̈ar Prices.-In Scotland, from and nfter the passing of this Act, the fiar prices of all grain in every county slanl be struck by the Imperial quarter. nud all other returns of the prices of grain shall be set forth by the same, without any reference to any other measure whatsoever; nad any sheriff clerk, clerk of a market, or other person offending ayninst this provision, shall forfeit not exceedintr 51 . (Sec. 16.)

Cupies of Standards, Inspectors \&r.-Clauses $17,18,19$, and 20 preseribe the mode in which copies of the standard weights and measures shall be ptovided in comitics, cities, borougls dic., the nppointunent of inspectors of weights nud measures \&c. Clause 22 orders that the ixpense of providing copies of standard weights, with the remuneration to inspectors, be defrayed out of the county rate. Clouse 23 prohibits any maker or seller of weights or mensures from being appointed inspector, and orders all inspectors to enter into a bond of 2001 . for the due prrformance of the duties of their office, and the safe custody of the staups and standurd wights and measures committed to their care. Clause 24 orders inspectors to attend at market towns when ordered by justices. The following clauses are of gencral importance.

Magistrates to procure Stamps for Inspectors for Stamping all Weights \& $¢$ c.-In Enghnd fie justices in reneral or quarter sessions assembled, and in Scotland the justices and magistrates at a meeting called by the sheriff, and in Ireland the grand juries, shall provide the inspectors with good and sufticient stamps for stamping or sealing weights and measures; and all weights and measures whatsoever, except as herein excepted, ased for buying and selling, or for the collecting of any tolls or duties, or for the making of sny chargis on the conveyance of any goods of merchsndise, shall be examined and compared with one er more copies of the Imperial standard weights and measures provided under authority of this Act for such inspectors, who shall stamp, so ns best to prevent traud, such weights and measures, if they be found to correspond with the said copies; and the fees for such examination, comparison, and stamping shall be tho ee in the schedule at the end of this Act; nnd every person using any weight or measure other than those authorisel by this Act, or some aliquot part thereof, or which has not been stamped as aforesaid, except as herein excepted, or which shall be found light or otherwise unị'st, shall foreit not exceecling $5 l$; and any coin act, bargain, or sale made by such weights or measures shall he wholly null and void; nnd every light or unjust weight nud messure shnll, on being discovered by nuy inspector, be seized, and, on conviction, forteited; but nothing herein shall require any single weight above 56 lb . to be inspected nad stnmped, nor any woodea or wicker meusure used in the sale of lime, or other articles of the like nature, or any glass or earthenware jug or drinking cup, theugh represented as containing the amount of nuy lmperial measure, or of any multiple thereof; but any person buying by any vessel represented as containing the amount of an lmperial messure, or of any multiple thercof, is authorised to require the contento of such vessel to be ascertained by comparison with a stnmped measure, such measure to be provided by the person :sisis, such wooden or wicker measure, glass, jug, or drinking cup; and in case the persm using such last-mentioned mea-
$s$ that are to take place fcothand, for the conver able in weights or meaperial standard weights
nd, from and after the ar prices of nll grain in truck by the lmperial eturns of the prices of the same, without any ensure whatsoever ; nul a market, or other pers provision, slall forfeit 6.)

Inspectors \&oc.-Chanses be the mode in which ghts and measures shall cities, boroughs se., the es of weights and meaers that the axpense of dard weights, with the $s$, be defrayed ont of the prohibits any maker on tres from being appointed nspectors to enter into a serformance of the duties fe enstody of the stamps d measures committed to ders inspeetors to attend rdered by justices. The eneral importance.
Stamps for Inspectors its \&-c.-In lughand liue arter sessions assembled, ces and magistrutes at a heriff, and in Ireland the ide the inspectors with ps for stamping or scaling and all weights and mea ; as herein excepted, used $r$ for the collecting of any making of ony chargis ay goois of merchandise, impared with one or more andard weights and mea uthority of this Act for all stamp, so as best to lits and ineasures, if the vith the said copies; and ination, comparison, and 11 the schedule at the end person using any weight those anthorised by thi irt thereof, or which has oresaid, except as hereia be found light or othert not exceeding $5 l . ;$ and or sale inade by such hall be wholly wull and - unjust weight and meacovered by any inspector, fiction, forfeited ; but ue e any single weight abore I stamped, nor any wooded in the sale of time, or se nature, or any glass of hking eup, though repreaking enp, thont Imperial lltiple thereof; but any essel represented as conn Imperial measure, or of authorised to require the to be ascertained by commeasure, snch measure to on asigig such woeden or sur drinking cup; and such last-mentioned mea-
sure or vessel refuse to make such comparison, or if, upon comparison being made, it be found to be deficient fir quantity, the person using the same shall bo subject to the forfcitures and pemitio's inposed on those using light or unjust weights or metul:res. (Sec. 21.)

Weights and Mensures once stamped meed not be re-stimped.-No weight or mensure duly stamped by any inspector appointed under the $4 \mathbb{d} 6$ W'm. 1V. e. $4^{r}$, or this Act, or by any person or persons authorised to examine and stamp weights or measures, shall be liable to be re-staniped, although the same be used in any other place than that at which it was originally stamped, but shall be considered as r. legal weight or measure throughont the United Kingdom, unless fonnd to be defective or unjust. (See. 27.)
Power to Justices ©́c, to en'er Shops und inspeet Ifeights and Measures.-Justices, sheritls, magistrates, and inspectors are anthorised to examine weights and measures, and to order such as ure light or otherwise nnjust to be scized and forfeited; those using such weights and measures are suljeeted to a penalty of not more than $5 l$. ; and a like jenalty is imposed on those refusing to prodnce such weights and measures, or obstruetiog the magistrates. (Sec. 28.)
Peaalties on Inspectors counterfeiting Stamps dic.-Inspectors or other persons anthorised to inspect weights or measures, who shall stamp sny wight or measure without verifying the same, or who shall otherwise misconduct themselves in their office, slall for every such offence forfeit not more than 51 .; persous forging or counterteiting any stamp or mark used for stamping or marking weights or measures, forfeit for every offence not more than 501 , and not less than 101 , ; and persons knowingly usiug weights or measures marked with such counterficit stamps, forfeit for every offence not more than 10l. nor less than 21 . (Sees. 29, 30.)
Pewalty on Price Lists $\& \cdot c$.-From and after January 1, 1836, nuy person printing, or elerk of any market or other purson making any return, price list, price eurrent, or any journal or other paper containing price list or price eurrent, in which the weights and measures quoted $0^{-}$referred to denote or imply a greater or less weight or measure than is denoted or implied by the same denomination of Imperinl weights and mensures under the provisigns of this Aet, slinll forfeit and pay not exceeding 10s. for every copy of every such return, price list, price current, journal, or other paper which they publish.
The remnining clanses relate to the recovery of penalties; and save the rights of the Founders' Company, and of the Universities of Oxtord a'd Cambriilge.
Schedule of Fees to be taken by all Inspectors of Weights and Megsures appointed wnder the Authority of this Act.
For examining, comparing, and stampiar all brass weights, within their respective jurisdic-tions-

## Each half hundred weight <br> quarter of a hundred weight none. <br> weight under a stone to a pound inclusive welght under a pound nd and ender

For examining, comparing, and stamping all iron weights, or weights of other deseriptions, not mate of brass, within their respective jurisdic-tions-

Each half hundred welght
quarter of a hundred weight slone
eight under a stone
cet of wughts of a pound and under

For examining, comparing, and stamping all wooden measures, within their respective jurisdic-tions-

For examiniag, comparing, and stamping all measires of eapacity of liquids, made of copper or other metnl, within their respective jurisdictions-


The propricty of allotting a separate oflico for the preservation nond re adjustment of standards having been consilured by the Standard Commission of 18.1, and various committees in 1854 , 186:2, and 1864, an Act was at length passed, 29 \& 30 Vict. c. 82, called the Standards of Weights and Measures and Coinage Act of 1866. This Act - 1 st, transters from the Exchequer to the Bonrd of Trade all daties in connection with the custody and manngement of the l'arlinmentary and secondary standard of weights mud mensures; Siml, establishes a stardard department; 3rd, provides for the reveritication of these stan'1ards, and fir allownace of errors in the comparison of standards ; 4th, abolishes stamp duty and fees taken at the I.xehequer on the verification of standards; and 5th, directs an annual lieport to the hoard of Trade on the proceelings of the Govermment to be laid before Parlimment. It would appear, from the first IReport of Mr. Chishchn, Warden of the Standards, that from 1860 down to $1867,5,542$ standards lave been veritied for the first time, and 11,108 reveritied.
The Acts 22 \& 23 Vict, e. E6, and 23 d 24 Vict. c. 119 s .15 , provide that no copies of the staniard weirhts shall be legal unless compared or reveritied every 5 years, and copies of the standard mensures to be compared every 10 yenrs.

Iuvariablcor Nuturul Staudurds.-As the standards adopted in most countries lave been in a great degree arbitrnry, it has long been the opinion of scientific ment that to construet a more perfect system of weights and measures, some natural and minchingeable basis should be adopted. It lias, indeed, been contended by Paucton and Jailly, that the mensures of the ancients were deduced from a basis of this sort; and t!at the stadium always formed at aliquot part of the earth's circumference, that part ditiering amongst different nations and authors. But no lnari,ing or ingenuity can indnce anyone $t$ believe $v$.na" is so obviously incredible. The ancients hai' no means of determining the earth's circumference with anything like the accuracy required to render it the great unit of a system of measures; and, what is equally decisive, no ancient author ever makes the slightest allusion to any such standard.

In more modern times, however, the idea of seeking for a mit of weight and measure in some unchanging natural object bas been practically carried into effect. The standards that have been usially proposed for this object have been some aliquot part of the quadrant of the meridian, or the length of a pendulum vibrating seconds in some given Intitude. The latter has been in so far alopted into the existing system of weights and measures established by twe Act of 1823, that the length of the standard yard, as compared w:id that of a pendulnm vibrating seconds in the ?atitude of London, is specitied in the Act as follows:-
 missioners appointel by his Majesty to enquire into the suliject of weights and measures, that the snicl yard herety deetared to be the lmperial standard yard, wheli compared with a pendulum vibrnting seconds of mean time in the latitule of London, in " yacumen at the level of the sen, is in the propurtion of 36 inches to 30 inches num 1,393 ten-thonsanith parts of an inch; be it therefore enacted and ileclared, that il at any time hereafter tho waid Imperial stmadnel yards shall be lost, or shall be in any manner destroyed, lefaced, or otherwise injured, it shall and may te restored by making, under the direction of the Lord Itigh Treasurer, or the comuissioners of his Mnjesty's Treasury of the United Kingelom of Great Mrituin and lrelinut, or any three of them for the time being, anew stamlard yarl, bearing the same proportion to such pendulum, as aforesaid, as the said Imperial standard yard benrs to such pendinlum.'

Tahees of Englisi Weights and Measumen, acceming to the New git labebial Meastille,

> Imperial Troy Weight.

The standard pound containing $5_{\mathbf{p}} 760 \mathrm{grs}$. tember 1.
The enstom of allowing more than 16 ounces to the ponnd of butter usad to be very general in severnl parts of the comatry.

## Cheese and Butter.



Besides the above, there are the paln, which equals il inches; the haur, 4 inches; the span, 9 inches; and the fathom, 6 feet.

## Imperial Superficial Measure.



The inch is generally divided, on scales, into 10ths, or decimal parts; but in squaring the dimensions of artiticers' work, the dualecinal system is adopted; the inch being dirided into 12 parts or lines, ench part into 12 seconds, and each second into 12 thirds.

Land is usually measured by a chain of 4 poles, or 22 yards, which is divided into 100 links. Ten chains in length and 1 in brealth make an acre, which equals 160 square perches, or $4,8.40$ spuare yards.

Cubie or Solid Measurc.

| 4 Cuble Inthes | 1 Cubic Fond | Fr. (cubic Metzes |
| :---: | :---: | :---: |
| 27 cuble Feet | 1 Calse Vard | = - \% ${ }^{\text {a }}$ |
| 40 Feet of rough |  | [1.1.29 |
|  | - 1 Load or Ton | - $=\{1.1150$ |
| 12 Cubic Fest | - I Ton of shippling | $=1 \cdot 1592$ |

By cubic measure, marble, stone, timber, masonry, and all artilicers' works of length, breadth, and thickness, are measurcl, and also the contents of all measures of capacity; both liquid aul dry:
Imperial Liquid and Dry Measure, cleduced from the Standurd Gallom, containing 10 lb. weight of 1 Distilled Water, temperature $6 \geqslant 0$, barometer 30 inches.
Inperial Aroirclnpois Weight:


The tram is subdivided into 3 scruples, and each scruple into 10 grains; the pound, or 7,680 grains avoirdupois, equals 7,000 grains troy, and hence 1 grain trcy equals 1.097 grains avoiadupois.

$$
\begin{aligned}
\text { Hence alno } 111 \mathrm{th} . \text { a voirdupols } & =175 \mathrm{lb} \text {. Troy } \\
\text { and } 192 \mathrm{oz} . & =175 \mathrm{oz} .
\end{aligned}
$$

The stone is generally 14 lb . avoirdupois weight, but for butcher's meat or tish it is 8 ll . Hence the hundred weight (cwt.) equals 8 stone of 141 lb . or 14 stone of 8 lb .

A stone of glass is 5 lb . A seam of glass is 24 stone, or 120 lb .

Hay and straw are sold by the load of 36 trusses.
The truss of hay weighs 56 lb . and of straw 36


The dimensions of the Imperina standard bushel are as follows:-the outer diameter 193 inches, and tie inner diameter $18 \frac{1}{3}$. The depth is 8 f , and the height of the cone, for heaped measure, is 6 inclies. The contents of the luperial heaped bushel were $2815 \cdot 4887$ culic inches. The subdivisions and multiples are in the same propor tion.

## Wiol Weight

Like all other bulky articles, wool is weighed
hay is 60 lb ．until sep． ing nure than 16 ounces ised to be very reneral in utry．

## nd Butter．

$=1$ Hlowe
$=1$ Wiy in finnax
$=\{$ Firkin of butise
Lou！Mensare．

|  | Fr． |
| :---: | :---: |
| 1 Finst | $=0$ |
| 1 Yard | $=00!111$ |
| 1 Pole or ltod | －$=5 \cdot 1091$ |
| 1 Furlonk | －$=$［ $413+16,32$ |
| 1 slite | －$=161453+3$ |
| 1 league | $=1427 \cdot 3189$ |
|  | ＝11120\％\％ |

here nre the palm，which anl，t inches；the span，$y$ 1， 6 feet．
rerficial Mcusure．
siquare foot
Syu．rre Vard． 1 sicure l＇ole 1 Clanl

lly divided，on seales，into rts ；but in squaring the rs＇work，the dhotecimal e inch being divided intn part into 12 secomds，and irds．
sured by a chanin of 1 p ples， ivided into 100 links．Ten $t$ in breadth make an acre， re perches，or $1,8.10$ siuare

Solid Measure．
 1 Cubic poot
1 Load or Ton
1 Ton of Nulipyling $-=1 \cdot 15 j_{2}$
marble，stone，timber，ma－ s＇works of lengeth，brendth， asurcl，and also the coutents city，both liquid und dry：

Dry Mensure，declucet from n，contuining 10 13．weight temperature 620 ，burumeter



he Imperial standard bushel outer diameter 19 incles， ter 18 1 ．The depth is 81 ， cone，for heaped measure，is nts of the lunperial heaped culbic jaches．Th sub－ are in the same propor－

## Weight

articles，wool is weighed
by aroirdupois weight，but the divisions differ； thus：－

（HDD MEASLEES SUPEILSFIREI DY TILE IS11PEIING SYSTEM． Old Wine Measure．

|  | 1 1＇Int | （：ubie In． <br> $24 \cdot 155$ | ＝ | Fr．lifires 10.1731 |
| :---: | :---: | :---: | :---: | :---: |
| $y$ Pints－ | － 1 guart－ | － 6775 | $=$ | （1－y 16.3 |
| 4 Ouarts | － 1 tiallon | －231 | $=$ | 3．37\％ |
| 44 （allona | －I Irerce | 5614 ก． | $=$ | 159 34.73 |
| $x^{2}$ Tielce＊ | － 1 lunclieon | $11 \cdot 248$ | ＝ | $317 \times 181$ |
| 63 iallons | － 11104 aluad | $8 \cdot 1710$ | ＝ | 235．13149 |
| \％llugnehends | －1 l＇ipe or Buit | 16．612， | $=$ | 4760．3118 |
| \＆PIjuse | 1 I＇ul｜ | 33.681 | $=$ | 965．xu36 |

The pint is subdivileed lato halves and quarters； the latter is colled a gill．A rundlet is 18 galloms， and an anker 9 ．
Conversion of Old Wine Measure into Inpuriul Measure．－The old wino gallon contains 231 cubie inches，and the Imperinl gallon 27274 ditto． llence，to convert wine gallons into Imperial gallons，multiply by $\begin{gathered}231 \\ 277 \cdot 274\end{gathered}$ ，or by •83311；and to convert Imperial gallons into wine gallons， multiply by the reciprocal fraction $\frac{277 \cdot 274}{231}$ or by $1 \cdot 20032$ ．But for most practical purposes，wine mensure multiplied by 5 and divided by 6 will give Imperial measure with sufficient aceuracy， and conversely．
N．B．－The multipliers and divisors employed to reduce old wine，ale \＆e．measures to imperina measure，serve also to reduce prices by the former to the latter．
We suljoin，from the very complete and valit－ able work of Mr．Buchanan，of Edinburgh，On Weịhts and Measures，a
Table of English Wiae Gallons，from 1 to 100， with their Equivalents in Imperial Gallons．


| 1 | $0 \cdot 83$ | 26 | 21 | 31 | 42．45366 | 6 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $t$ | $1 \cdot 6$ | $y_{7}$ | 22.19344 | 54 | $4.3 \cdot 3 \times 177$ | 77 | 69.149 .51 |
| 3 | Y／ 199.3 | 24 | 23.34711 | 53 | $41 \cdot 151 \times 8$ | is | 64．0x2fis |
| 4 | 3.3324 | 49 | 21－16912\％ | 51 | 44.48799 | 79 | $6.5 \times 1.576$ |
| 5 | 4．16355 | 30 | Y1－39．333 | 5.5 | 43.72111 | 80 | 6f0 64 |
|  | $4 \cdot 94867$ | 31 | $25 \times 8764$ | 56 | 4166541 | 81 | E．78198 |
|  | $5 \cdot \mathrm{kJ17} 9$ | 32 | y6．6．99．35 | ． 57 | $47 \cdot 48734$ | H2 | （x．31．914 |
|  | 6．66449 | 33.3 | 87.49246 | 58 | 48.32043 | 83 | 69•14＊\％ |
| 9 | 7.19 mms | 31 | 24．32\％ | 59 | 49．15．33 | NI | 6996132 |
| 1 | 4．33111 | 3.5 | 29 I： | 64 | 499866．5 | 8.5 |  |
| 11 | 9．16424 | 76 | $23 \cdot 99199$ | 61 | $50 \cdot 11976$ | N6 | 71－6is |
| 12 | 9．49733 | 37 | 31P．32514 | 62 | 51．6．52N内 | N7 | 74． 81816 |
| 13 | $111 \times 3.311$ | 34 | 31－6384 | 63 | 52．48549 | N8 | 73．31376 |
| 14 | 11 ＇6fis3 3 | 34 | 32－19133 | 61 | 53，31910 | $\mathrm{n}!$ | －11687 |
| 13 | 12． 196 fifi | 14 | 33：21111 | 65 | 54．15421 | 90 | 71.9 |
| 16 | $13 \cdot 12977$ | 41 | 31．1573． | 66 | 51．94532 | 91 | $75 \times 13419$ |
| ， | 13．162 69 | 14 | 34－9！3166 | $\mathrm{f}^{\text {\％}}$ | 55－k1813 | 9 | 76．${ }^{6} 16811$ |
| 18 | 14．996（9） | 43 | $35 \cdot 82377$ | 68 | 56．65115 | 93 | 75－17931 |
| 13 | $15 \times 42910$ | 41 | 36．6．5688 | 19 | 67．14165 | 94 | 78．314．4 |
| \％11 | $16.65{ }^{\text {cez }}$ | 45 | 37－18999 | 70 | 58－51776 | 9 | $7 \times 143 ;$ |
| 2 | 17－1953．3 | 46 | $3 \times \cdot 32.110$ | 71 | 59．15147 | 46 | 79－9741．5 |
| 42 | 1x＋3641 | 47 | 39．15626 | 72 | 59－98398 | 97 | W1）W1176 |
| 4.3 | 19－161：5 | 4 L | 34－94932 | 73 | 6081710 | 98 | 81.61187 |
| 41 | 19－99167i | 49 | 411 K2283 | 74 | 61 －6．512 | 19 | N2．1779x |
|  | 24884777 | 50 | $11 \cdot 6.5555$ |  | 62－453．52 |  | 8.3 .311 |

Hence，supposing the former denominations to be preserved，a tiere of wiae $=35$ Imperial gallons very nearly；a puncheon $=\mathbf{7 0}$ ditto very nearly； 4 hogshead $=52 \frac{1}{2}$ ditto very nearly；a pipe or butt $=105$ ditto very nearly；and a tum $=210$ litto very neurly．

Old Alc and Beer Measure．

|  | 1 Pint | Cub．1n． 5．5．45 | ＝ | $\begin{aligned} & \text { Fr. Jitress } \\ & 0.5776 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 2 Pints | 1 guart | 7 ir 3 | ＝ | 1－1．55： |
| －duars | 1 Gallon | 254 | $=$ | 4.6218 |

Old Ale aml Brer Mtasure－cout．

| Sinllons | Firkin alu | Guh．In． 1．7W＂ | feet |  |
| :---: | :---: | :---: | :---: | :---: |
| diallons | 1 Al lieer | 1164 |  | $\Rightarrow 11547^{\circ}$ |
| y Firhiox | 1 Kiliterklis | $4 \times 137$ | ＂ | －N3．17it |
| ${ }^{2}$ K Kidertios | 1 Jarry | 6－7\％ | $\because$ | $=1$ titisiks |
| 1）13．irrel | 1 loryslimal | $8 \times 14$ | $\cdots$ | $=2145 \cdot 32.34$ |
| $\%^{2}$ liturels | puncheon | 119\％30 | ＂ | $=33 a^{\prime} \mathrm{CNFir}$ |
| y Musturais | 1 lutt | 17，481 | ＂ | ＝ 119.0161 |
| \％llotis | 1 I＇un | 3．） 418 | ＂ | $=894 \times 1984$ |

Combrrxion of Old Ale nud beer Mensure into Inmurin！Meusare，－The old ale gnllon contains 2x：euthe inches，and the Imperial standard gal－

 by 10170415 ；and to eomvert Imperial gallons into ale gallons，multiply by the reciprocal frac－ tim $27 \pi \cdot 2 \pi$ ，or by 9832411 ．Unless extreme nccurney be required，the first 3 derimals need anly le llsed．And for mont prueticul purposes， nke imensure multiplied hy 59 mid divided by 60 will give lmperial measure with sullicient aecu－ racy，and conversely．
Table or＇timglish Ale Gallons，from 1 to 100，with their Sipuivalents in Imperial Gallons．

| $\begin{aligned} & \frac{0}{c} \\ & \frac{\text { en }}{2} \\ & \frac{2}{4} \end{aligned}$ | 景 |  | 关 | $\begin{aligned} & \frac{y}{y} \\ & \frac{y}{3} \\ & \frac{1}{4} \end{aligned}$ | E | $\begin{aligned} & \frac{4}{3} \\ & \frac{y}{4} \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 101709 | 26 | 96．41．316 | 51 | $51 \times 60427$ | 76 | $77 \cdot 29.538$ |
| \％ | 2－11511！ | 27 | \％－ 4 Sine | 52 |  | 77 | 7x－31813 |
| 3 | 3105113 | 24 | 24．47\％ | 83 | $53 \cdot 403.36$ | 78 | 7 $1 \cdot 32417$ |
| 4 | 4 －0fixis | ${ }^{24}$ | 29，19129 | 81 | 6192110 | 79 | W1934652 |
| 3 | 6－14．54\％ | 31. | 31.51136 | 8.5 | $5.5 \cdot 47.15$ | N1 | ${ }_{41-36356}$ |
| ${ }^{1}$ | 6．11287 | 31 | \＄1 304838 | 515 | $56.92+1!$ | 81 | 42038060 |
| 7 | $7 \cdot 1!931$ | 34 | 32．54．512 | 57 | S7， 97154 | 82 | $83 \cdot 39765$ |
| 8 | ＊－136．36 | 33 | 33．564717 | 54 | 68．9， 4.54 | M． 3 | W1．41469 |
| 9 | $9 \cdot 1.53611$ | 34 | 31.579 .51 | 54 | 64P（4）35．3 | $N 1$ | W．5－1317 |
| 17 | 11－1731s | 3＇） | 3．5．546．57 | （a） | 61.62687 | 85 | 20．41878 |
| 11 | 11－1901！ | 36 | 36.6138511 | 61 | tix－6337］ | R6 | $87 \cdot d$ fifs ${ }^{\text {c }}$ |
| 12 | 17－21915．3 | 37 | $37 \cdot 6.31645$ | 6 | 6.301651785 | ${ }^{20}$ | ¢4．48257 |
| 1.3 | 13－241．54 | 34 | 38－61769 | 63 | 61.17 .881 | ${ }_{8}^{8}$ | 49－19992 |
| 11 | $11-23 \times 64$ | 39 | $39 \cdot 66171$ | 61 | $\left.6{ }^{6} \cdot 19018\right)$ | 49 | $918 \cdot 51696$ |
| $1 \%$ | 15．45367 | 40 | 411.68178 | 65 | $66 \cdot 107 \times 9$ | （10） | $91 \cdot 353.101$ |
| 16 | 16.27471 | 41 | 41－6rxxz | 66 | $67 \cdot 11191$ | 91 | 920．6310．9 |
| 17 | 17－2097i | 42 | 42 Cl 107 | 67 | 68－11194 | 69 | 93－56find |
| 18 | 18．304， 10 | 43 | 43.73491 | $6{ }^{1}$ | 69－15903 | 93 | 911－38514 |
| 19 | 15．34．35． | 41 | 4：74946 | 49 | 70．17607 | 91 | 95－6．248 |
| 201 | 810．3ntic | 4.5 | 4．5＇7671 ${ }^{\text {（ })}$ | 70 | 71.19814 | 93 | 96.61923 |
| 41 | 21：3．5793 | 46 | 46．75．167 | 71 | $72 \cdot 21116$ | 96 | 19763627 |
| ct | 2203799 | 17 | $4 \cdot \times(109$ | 721 | 73．2874 | 17 | ！14－6．5．332 |
| 43 | 23－3820y | 48 | $4 \times .81814$ | 73 | 14．4142．9 | 94 | 99－67036 |
| 21 | \％1－109817 | 49 | 49－8．3．518 | 71 | $75 \cdot 26129$ | 99 | 100－6871！ |
| is | t＇r1til1 | 311 | ， 0 8．54 ${ }^{\text {a }}$ | 1.5 | $70^{\circ} \mathrm{C}$－$\times 31$ | 110 | 111－50115 |

Old Dry or Winchester Measure．

| difils | 1 Pint | Cub．In． 3.6 |  | $=$ | Fr．Ilire $10 \cdot 150.53$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\psi_{4}$ jimis | 1 Duart | 67：2 |  | $=$ | $1 \cdot 101117$ |
| \％gusrts | 1 Putble | $13+1$ |  | ＝ | $4 \cdot 210214$ |
| 8 Poutles | 1 fialon | 26x＇A |  | $=$ | 4.40188 |
| 4 （iallons | 1 leek | $8.37 \cdot 6$ |  | ＝ | $8 \cdot 811856$ |
| 4 Peek 4 | 1 13nshel | 21.51712 |  | ＝ | 3.54 .3830 |
| 4 Huashola | 1 Coom | 4．95 | feel | 표 | 141193781 |
| 2 （boont | 1 Quarter | $9 \cdot 19$ | ＊ | 三 | 20187113 |
| 5 \％Mariers | 1 V＇ey or load | 99，770 | ＂ | ＝ | 1169.37416 |
| 2 Heys | 1 Last | 99：310 | ＂ |  | 818．7432 |

The Winehester bushel is 18 inches wide，and 8 inehes deep．Corn and seeds are measnized by striking the bushel from the brim，with a round piece of light wood，about 2 inches in diameter， and of equild thickness from one end to the other． Alt other dry goods are lieaped．
Conversion of Winchester Bushels into In－ perial Bushels．－The Winchester bushel contai ns $2150 \cdot 42$ cubic inches，and the Imperial standard bushel 2218－192 ditto．IIenee，to convert Win－ chester bushels into Imperial bushels，multiply by $2151 \cdot 42$ ，or by $969447^{\text {；}}$ ；and to convert Imperial bushels into Winchester bushels，multipl：by the reciprocal fraction $\frac{2218.192}{2150.42}$ ，or 1.0315157 ．For practical purposes，multiply Vinehester measure hy 31 and divide by 32 for Imperial measure，and thie contrary．

In some markets, corn is sold by welght, whieh Is the falrest modo of denling, though not the most convenfent in prnetice, Biven where mensures are used, it is customnry to weigh certain quantitles or projortions, mad to regulate the priess necordinfly. The nverage hashel of whent is generally reekoned at 60 lb ; ; of barley 47 lb , of outs 38 ll , pens 64 lb ; beuns 63 lb ; clover 68 lb ; rye and cauary 53 lb ., and rapu 48 lb . In sonte places a lond of corn for a mant is reckoned 5 bushels, and a curt load 40 bushels.

Tirble of Winehester Quarters, from 1 to 100, with their Equivilents in Imperial Quarters,


|  |
| :---: |
| 0.9691. |
| 1.93849 |
| 4.9043! |
| $3 \cdot 67779$ |
| $4 \times 1781$ |
| $5 \cdot 81648$ |
| 6.786il3 |
| 7.7.3.354 |
| 4.72.54 |
| $9 \cdot 69117$ |
| 10.66392 |
| 11.63336 |
| $12 \cdot 60481$ |
| 13.57426 |
| 1431,71 |
| 15.51115 |
| 18.4806 |
| 17-4.300.3 |
| 18.4)919 |
| $1938 \times 9$ |
| 20.35839 |
| 21.32783 |
| 24.49748 |
| 4.3.2tifi73 |
| 24.2.3614 |



aceountel a load. Cord wood ls the bighor surt of tifewood, and it is menared by a cord, or liun, whereof thore are 2 measures ; that of 14 feet in length, 3 feet in breadth, and 3 feet $\ln$ helght. The other is 8 feet in leugth, 4 feet in lecight, and 4 feet In breadth.

Measures of' Wrood.


French System of Weights and Measures,-The new metricill system cstablished In France subsequently to the leevolution is founded on the measurement of the quadrant of the meridinn, ur of the distance from the pole to the epuntor. This distance having been determined with the greatest care, its ten-millionth part was assumed as the mitre, or unit of length, ull the other lineal measures being multiples or submultiples of it in decimal proportion. 'The mètre corresponds pretty nearly to the aneient French anne, is yard, being equal to $3 \cdot 0$ ä8. 4 French feet, or $3 \cdot 281$ English feet, or $39 \cdot 3708$ English Inelies.

The unit of weight is the gramme, which is in cubic centimètre, or the 100 th part of a metre of distilled water of the temperature of melting ice it weighs $15 \cdot 434$ English troy grains.
In order to express the decimal proportion, the following vocabulary of names has hecn adopted, in which the terms for multiplying are Greek, ind those for dividing Latin:-


The are is the element of square measure being a square decamètre, equal to 3.955 English perches.
The stire is the element of cubic measure, and contains $35 \cdot 317$ cubic feet English.

The litre is the element of all mensures of capacity. It is a cubie decimètre, and rquals 2.1135 English pints. 100 litres make the liectolitre, which equals 26.419 wine gallons, or 2.838 Winchester bushels.

Système Usuel, or Binary System.-This new system has the metrical standard for its basis, but their divisions are biary, that is, by 2, 4,8 de.; and instead of the new vocabulary, the names of the ancient weights and measures are used, annexing the term usuel to each. Thus the half kilogramme is called the livre usuelle, and the double metre the toise usuelle.

The following tables show the proportions between the new or metrical French system and the English system :-

Comparison of French and English Weights and Measures, containing the New or Metrical Weights and Measures of Frunce, with their Proportion to those of England, both according to the Decimal System and the Système usuto.

## DECLMAL SYSTEM.

| Long Mrasures. |  |  |
| :---: | :---: | :---: |
| French |  | Enylish |
| Millimetre | - = | $0.0310 .77^{1 / 2}$ |
| Centimetre | $=$ | $0 \cdot 99371$ " |
| Derimètre | - $=$ | 3.93:110, |
| MPtre - | - $=$ | $39+38100$ |
| lécamètre |  | . 2 - <1146 6 . |
| 1f.ctometre | - = | 328-69167 |
| Klomerre | $=$ |  |
| Myrimmalre |  |  |

wood is tho bigyer sort usured by a cord, or lints, sures ; that of 14 feet in $h$, and 3 feet in liclgit. kength 4 feet in luight,

```
of Wood.
=1 Cord
= Chalulron of coals
Qulutal of wood
```

ights and Meusures.-'The tablished in France sub)ution is founded on the drant of the meridian, or the pole to the cipuitor. cen determined with the Hionth part was assumed ength, nll the other lineal es or submultiples of it, The mètre correspunds ancient French aune, or $3 \cdot 07814$ French feet, or 3708 linglish inches. the gromme, which is a 100th part of a mètre of nperuture of melting ice; h troy grains. the decimal proportion, ary of numes has been terms for multiplying are riding Latin:-

ment of square measure, tre, equal to 3.955 limglish
ent of cubic measure, and eet English.
ent of all measures of caco decimetre, and equals 100 litres make the hecto119 wine gallons, of $\$ 838$

Binary System.-This new al standard for its basis, binary, that is, by $2,4,8$ the new vocabulary, the veights and measures are n usuel to each. Thus the led the livre usuelle, and ise usuelle.
show the proportions becal French system aud the
and English Weights ant an the New or Mitrical res of Frunce, with their f England, both according n and the Systeme usuel,

## l srsticm.

Measures.



## Superficial Measures.


hysteme Usuel.
Comparison of Weight.


| Mesures uxuelles! |  | gll | h | asur |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | metren |  | fee |  | part |
| Toice unuelle Pied, or foot | b15 | = | 1 | 6 t | ${ }_{1}^{9}$ |
| Inch | 01 |  | 0 | $t$ | 16 |
| Aune | $1 \frac{1}{6}$ | = | 3 | 1: | 3 |
| Half | $0 \frac{3}{5}$ | = | 1 | 11 | 71 |
| Quaritr | $0{ }^{10}$ | $=$ | 0 | 11 | 93 |
| Eighth | $0 \frac{20}{210}$ | = | 0 | 5 | 107 |
| Sisieenth | 0 \% 0 | \% | () | 4 | $11 \frac{1}{116}$ |
| One third of an aune | $0 \frac{5}{2}$ | $=$ | 1 | 3 | 9 |
| Sisth | $0 \frac{1}{5}$ | $=$ | 0 | 7 | 101 |
| Twelth | $0 \frac{1}{10}$ | $=$ | 0 | 3 | 114 |

## Comparison of Measures of Capacity.



Ancient Weights and Measures.-This subject is involved in considerable difficulty; and to enter fully inte it would be quite inconsistent with our objects and limits. But the following details, abstracted from the best authorities, may be useful to such of our readers as have occasion to look into the ancient authors.

TAMAR: GF VABIOUN ANCLENT WF:UBITS (according to different Authorifies).

scmptume meanumes of hengtil. (Arbuthent and Mutton.)

ghecian measures of hengtin, (Arbuthot and Hutton.)

homan miasures of lengtit. (Arbuthot and
Hutton.)

| Mulon.) |  |  |
| :---: | :---: | :---: |
| Digiths transversos | - | Eing, Irches |
| Uncia, the eunce | - | - 0.9.57 |
| Palmus minor - | - | - r2901 |
| Pes, the foot | - | - 11-604 |
| Palmipes | - | - Fing. Feet |
| Cublus | - | - 1-4.50. |
| Gradur | - | - $\mathbf{2} \mathbf{4} 175$ |
| Pasaus | - | Paces $-\quad 0.967$ |
| Stallum | - | - 120.875 |
| Mdiare | * | - 967 |

homan dry measures. (Arbuthot and Hutton.)
Jemina
Sestarlus
$\begin{array}{llll}\text { Sestarlus } & - & - & - \\ \text { Modlus } & \text { Eng. Peck } \\ \text { O.014i }\end{array}$

## Attic dry measures,



WELJ
JEWISII DHY MEASt'uE: (accomaing to Jesfphus)

| Ila hat | * | * | * | - | $\begin{aligned} & \text { Vng, pints } \\ & 01 \cdot 1410 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (ab) | - | - | - | - | - 5 - Wit |
| Ciammr | - | - | - | * | - 70108 |
| Nrah | * | - | * | * | Erim. Tert $\therefore 1 \text { \|cils }$ |
|  |  |  |  |  | Winch. luath. |
| Priah | : | - | - | - | - 1. 14.961 |
| dateth | * | - | - | - | $\begin{gathered} \text { gux } 1 \times 17 \\ \text { guarter } \end{gathered}$ |
| $\underset{\text { Chumer }}{\substack{\text { Chumer }}}$ | $\bullet$ | - | - | - | - 1-3:02 |

IHMAN MriASUIES FWH LIQP'IDS. (. Arbuthmot und Mutton.)


ATIIC MEAGLBES FOH J.IQLIOS.

| Pentys | - | - | - | - | Eny. pint: <br> - 11.514 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Semien | - | - | - | * | - 1-118. |
| Chnus | - | - | - | * |  |
| Metreten | - | - | - | * | - 10:950 |

JEWINII MEASIJEES ROJK LIQIIJS.

| Paph | * | - | - | F.ng. pint: - H2nila |
| :---: | :---: | :---: | :---: | :---: |
| J.ow | - | - | - | - 1.11k8 |
| Cab | - | * | * | * f.39.5 |
| 11 n | - | - | - | - 1-74\% |
| ceah | - | - | - | - 3113 |
| Jl.ith | - | - | - | - 17.318 .5 |
| Coron | - | * | - | - $1 \cdot 4105$ |

WELLI or DYER'S WEED (Ger, wau; Dutch, wous, wonwe; Pr. gaude; Itnl. guadarellin; Lat. luteola). An imperfect biennial, with small fusiform roots, and a leafy stem from 1 to 3 feet in leight. It is a mative of [britain, Italy, nad varions pmats of liurope, and is cultivated for the sake of its stalk, Howers, and lenves, which are employed in the dyeing of yellow, whence its botanical nnme Reseda lutcolu. Weld reguires the growth of nearly two sammers before it comes to maturity; and the crop is liable to fnil from so many cruses, and is besides so exhnusting, that its cultivation is by no means profitable, nud is only carried on, in this country nt least, to n small extent, principnlly in Essex. Weld is preferred to all other substances in giving the lively green lemon yellow. It is, however, expensive; and it is found, when employed in topical dyeing, to degrade and interfere with maditer colours more thmo other yellows, and to stain the parts wanted to be kept white. Hence quereitron bark is now employed in calico printing, to the almost total exchasion of weld. It is still employed in dyeing silk a golden yellow, and in paper staining. (Loudon's E'ney. of Agriculture; lancroft On Colours, vol, ii. pp. 95-100; Rees's Cyclopadia.)

WESTERN AUSTRALIA. [CoLovies.]
WEST INDIES. [Colonies.]
WIALLEHONE, A sulstance of the nature of horn, alluering in thin parallel lnmine to the upper juw of the whale. These vary in size from 3 to 12 teet in length; the brendth of the Jargest at the thick end, Where they are attached to the jaw, is about a fuot. They nre extremely elastic.

Whalebone bore anciently a very high price, when the rigid stays and the expanded hoops of our arandmothers produced nu extensive demand for this commedity. The I uteh have occasionally obtained $700 \%$ per ton, and were accustomed to (Iraw 100,000 . ammally from England for this article. Liven in 1763 it brought 5001 ., hut soou after fell, nad has never risen agnin to the same

value. Duting the present century the price has varied betweold bill, and :hat, nellionn filling to the lowest rate, nul rarely exceedligg hink. Mr, seoreshy reckonal the price, fin the the sars
 to from 130). to 1851 : and in 18.4 it varied froms 2801 , for southern to 3 aill, for northern. This is for what is callod size twone, or suld piecess as menaure $t$ fret or upwards in length; thave belous this stmulatel are usually sold at half price. It muy appee xingular that whalibone shomble rise, while oil h lwen so dedidedly lowered: lint the one change, it is obvinus, canses the uther. Gil, belng the main prombet oil the fllhere, regrulates its extent; which being limimished hy the low price, the gunnity of whalebone is lessened, white the temand fir it comtiming us great as luftire, the value comsequently rises. It is, howerer, probable that the ligh jurice of bone mans, in wone degree, tend to revive the flshery. In ixhio whate thes nlone aplear in the list of tmports, mull of thene $1: 17$ tolns, of the value of $51,28 t h 1$, enne inte the United Kinghom, chiefly from the nurthern ports of the linited States: the price per tun of the wholo varying from :38\%/ to 4.401 .

It may be worth while to remark, as arineing the ignorance that at one time jrevailind with respect to the whinle, thint, ly nu whd fental haw, the tatil of all whales helonged to the gurem, as a perquisite to furnish her Majesty's warilrube with Whalebone. (blackstome, vol. i. p. 233.)
WHALE (COMDION). The Butama mb, tictus of Linnens, $n$ narine animnt of the cetacoms species, and the largest of all those with which men are acpuninted. 'the whale las sometimen, it is atlimmed, been found 160 feet in length; lint this is most probubly nu exaggeration. In the northern sens it is nt present seldom fonnd ainvo lia feet long, being now, however, generally killed before it arrives at its full growth; this is 10 proof that the animal may not formerly have nltained to $n$ muth larger size. The bodies of whales nre cosered, imnedintely mider the skin, with a layer of fat or blubber, which, in a large tish, is from $1: 2$ to 18 inehes thick. In young whales this futty matler resembles hog's incil, but in old ones it is of a reddish colour. This is the valuable part of the whale, and the desire to possess it has prompted man to at tempt the capture of' this mighty animal. 'Ihe blubler yiedds, be expression, nearly its own weight of a thick viscid oil (train oil). The common whate is now rarely found except within the Aretic circle; but nt a former periol it was not unfrequmenty met with on our consts, There is a goonl necoint of the common whale, and of the manner in which the tishery is carried on, in Mr. Jolin Laing's Joyage to Spitzibergen, one of the shortest, chnnpest, and best of the immmerable books published on this hatcknevel subject.
The Thyseter macrocephulus, or binck-lhaded spermaceti whale, is eliefty found in the Somthen Ocean, It usually measiures about 60 feet in length, and 30 in cireumference nt the thickest part. The valuable part of she fish is the spongh, oily mass dag from the cavity of the head; this is crude spermaceti; nnd of it nu ordinary sized whale will yieht nbont 12 large barrels.
WIIALE FISHERY (NOR'THEHN'). We do not propose entering, in this article, into any details as to the mode in which the fishery is carried on, but mean to confine ourselves to a liricf sketch of its history and value in a commercial point of view.

1 t is probably true, as has been sometimes conter. ted, that the Norweginns ocensionally cuptured the whale before any other European ination en-
went curbtury the price lins If intol., wellibon thlling to rely exccedlug lioll. Mr, price, in the the year: (11). in $18: 3$ it minimutal nul in 18.1 It varient from 501, for northern. 'lisis is r. Cone, or sulli pieces as als in leniztli; thone below Ify sold at linlt price. It at whalelome whonhel rive, peinleally lowarml; lint the us, enneses the other. Oit, tt of the flubery, remblates lot eliminksed by the lar limlebone is lessened, while ituning as grent as bedire, y rines, It in, howerct, price of bone mus, in sume he tishery. It jxisit whate Io list of importa, and ot alne of $51,28(6)$., eane into chiedly from the northern ates: the price per tun of $33 \mathrm{y} /$, to $1 \mathrm{j} \%$.
le to remark, as avincing ture time prevailad with lint, by no ohl fendal law, clonged to the guecu, as a r Majesty's warilrobe with 11c, vol, i. p. 23:3.)
i). The Bulanu m!sticetus animal of the cetaceons $t$ of all those with which The vinale lus sometimes. ad Iti0 teet in lenerti; hut an exaggeration. In the resent seldom found above ; however, gencrally killed s full growth; this is no may not formery lave at rer size. 'lhe budie. of metliately miler the skin, Hubher, which, in a large inches thick, la, young ter resembles loggs laril, n reddish colour. This is whale, and the desire to 1 mmo to attempt the capmal. The blubber yiedd, ts own weight of n' thick The common whale is now thin the Arctic circle; but was nut unirequently mot There is a grool necomit of of the manner in which the Ur. Jolin I aing's I'syage to shortest, chmpest, and best ks published on this hack-
cephuthes, or lisack-hended ietly found in the Suuthem casiures nbout (it) feet in umference nt the thickest t of the fish is the spongy, e cavity of the head; this ad of it nn ordinary sized 12 large barrels,
(NOR'JIERN). We do in this artiele, into any in which the fishery is confine ourselves to a Uriff ad value in a commercial

Ghas been sometimes coninns ocensionnlly ciptured ither European uation en-
caged in an perilons an enterprise. Int the early elfierts of the Norwagians wero not combucted oil any systematic: jha, mal whold be regariled only in the mane print up viow ay the tishing expertitions of the lisplumans. The Itivenyans were dertainly the tirat people who prowecuted the whale Habsri as a regnlar eommerilal pursuit. They entried it on with vigour and surecess in tho 12th, libili, nud 14th centarios. In lisks, lidward III. relinguished to l'eter de l'usamo a dinty of til. Nterling a whale, lain on thosi bronglit into the port of Ilarrit\%, to indemmify him for the extraorillany expenses he lial insurred in fitting out a tleet tir the sarvlee of his Minjesty: 'Thls finet proves beyond dispute that the thatery enrried on from Binriltz at tho primi reforral to must have been rery considerable indeed; and it was also promecuted to a $\mu$ reater or less extent from Cibnirm, Fiens Bonean, nul subsequontly from Rochelle and other plueves, (Mimoire sur l'Autigniti ide lit Pêche de la Bulcine, jar Noel, 12 mo . J'aris, 17!

The whales enptured by tho Wisenyans were mot so large an those that are taken in the lobar sens, and are supposed to linve been attracted southwail in pursuit of herrings. They were not very productive of oil, but their flesli was use: ins nin article of fond, nill the whalehono was mppled to a varicty of usefin purposes, nul bronglit a very high price.
This branch of industry censed long sinee, nud from the same enuse that hins occosioned the cossution of the whale fishery in many other places-the want of thsh. Whether it ware that the whines, from a sebse of the dangers to which they expused themselves in cominer somhwaris. no longer left the ioy sen, or that the breal hand heen nenrly destroyed, certnin it is that they gradually became less mumerons in tho liny of Biseny, nud at length coased nlmost entimely to frequent that sea; and the ilshers being obliged to pursue their prey upon the bunks of Newfonndland and the consts of Icelnad, the French thshery rapidly fell off.
The roynges of the Dutel and linglish to the Sorthern Ocenn, in order, if possible, to liseover a passage through it to Inlia, thongh they lailem of their mnin object, laid open the hannts of the whate. The companions of Barentz, who discovered Spitzbergen in $\mathbf{1 5 9 6}$, and of IItwson, who soon after explured the same seas, represented to their countrymen the amazing number of whales with which they were crowiled. Vessels were in coasequence fitted out for the northern while fishery by the binglish and Duteli, the harpooners and a part of the crow being lBiscayans. They did not, however, confine their elforts to a fair competition with ench other ns fishers. The Muscovy Company obtained a royal charter, prohibiting the ships of all other wntions from fishing in the seas round Spitzbergen, on pretext of its having been first diseovered by Sir llugh Willoughby: There ean, however, be no donbt that Barent\%, and not Sir IIugh, was its original discoserer; though, supposing that the fact luad been otherwise, the attempt to exclude other nations from the surrounding seas on such a ground was not one that could be tolernted. The Dutch, who were at the time prompt to embark in every commercial pursuit that gave any lopes of success, eagerly entered on this new carcer, and sent out ships fitted out equally for the purposes of fishing and of defence against the attacks of others. The Muscovy Company having attempted to vindiente its pretensions by foree, seversl encounters took place between their ships and those of the Dutch. The conviction at length
benme armeral that there was room enonely fur all purtion lin the northorit sens; nal in uriler to avolil the chance of coming into rollisiom with and wher, they bariobley spitabergen and the
 tisely assigned tor the linelish, Doteh, Ham-


The Dibill, behine thins left to proserute tho fishery withont hasing their attontion diverted ly hastile atatcks moerdily acyuiral a decinded


Whan the linroperans Ifrat bugan ta prosecute the flabery on the coast of Spitalorgen, whales were everywhere fonind in vast immbers. I ginorant if the strength and stratagens of the formidable foo lyy whon they were how asadiled, instend of betraying uni syinptons of fear, they surfonmded the ships and crowdorl nll the hays. I'licir enpturo was in consegueneo a comparatively easy task, and many were killed which it was alterwards necessary to nbandon, from the shijs being alrealy full.

Whille dish were thus ensily obtaned, it was the prnetive to boil the blubber on shore in the North, and to feteh home only the ail and whalebone, Anul, perlinps, buthing can rive n nore vivid inlea of the extent and importunce of the Duteh flshery in the midhle of the sermitemath eentary, than tho fact, that they constricterl a consilerable village, the homses of which were nil previously prepared in Holland, on the Isle of Amsterilnm, on the northern slure of Spitabergen, to which they gave the appropriate mame of Smeerentery (Irons smeeren, to molt, and berg, $n$ mountain). This was the granul rendezvons of the butch whale ships, nud was nmply provided with boilers, tanks, nad escry sort ol apparitis reguireal for preparing the oil and the bone. IHat this was not all. The whale theets were attended with a manber of provixion shipw, the entgroes of which were landed nt Smecrenberg; which nhominded during the busy senson with well-furnished shops, good iuns \&e.; so that many of the conveniences and enjoyments of Amsterilam were found within nbont 11 degrees of the l'ole. It is particularly mentioned, that the anibors nad others were every merning supplied with what a I Itehmme regards as n very grent lusury - hant rolls for breakfast. 1hatavin and smeerenbierg were fombled nearly at the same period, nud it wns for a considerable time doubted whether the latier was not the more important establishment, (De Lieste, Histoire des Pêches \&rc. tome i. p. 42.)

During the flourishing period of the Dutel fishery, the quantity of oil made in the morth was so preat that it coull not bo carricd home by the whale slips; and every year vessels were sent ont in bnllast to nssist in importing the prodice of the fislicry.

But the same causo that lind destroyed the fishery of the Bisenyans, ruined that which wns carricel on in the immediate neighbourhood ol ${ }^{*}$ Spitzbergen. Whales beeame gradually less common, and more and more timid and diffieult to eatch. They retrented first to the open seas, and then to the great banks of ice on the eastern coast of Greenland. When the site of the fishery had been thus removed to $n$ very great distance from Spitzbergen, it was found most economical to send the blabber direct to Holland. Smeerenberg wns in consequence totally deserted, and its position is now with difficulty discoverable.
But though very extensive, the Dutch whnle fishery was not, during the first 30 years of its existence, very protitable. This arose from the circumstance of the right to carry it on having been concedel, in 1614, to an exclusive com5 E
pany. The expraxe inseparallo from surh great asmecintions, the wastefilness and minithfínews of their mervmis, who were much more lintent upen advancing their owis luterests than those of the compmis, fucrensed the outlays son much, that the returis, grent as they wete, proved bitte more than adequate to detray them, amil the Alshery was contined within liir narrower linits than it wonld otherwise have reached. lhit atter varions prolongathons of the charter of the tiest compmy, and the tiomation of some new ones, the trade was flually thrown open in Billy. The efferte of this meanure were mome sulutary, mad afforded one of the most striking examples to be met with of the manatages of froo computition. Within a few years the tisliery was lastly extencled; and though it becume premeressively more and more diffeult from the $\mu$ rowing neardty of Imh, it proved, notwithatamdimg these dismodvantages, more prottable to the pivate adventurens, than it hal ever heen to the compan., and continued for above a century to be prosecuted with equal anergy and suceess. The famons Jolun de Witt has alluded us follows to this change in the mode of conducting the trade:-
'In this respeet,' says he. 'it is worthy of observition, that the aithorised direenland Company made heretofore little prodt hy their tishery, becanse of the great charge aif setting ont their ships; and that the train wil, hbobser, and whate tins were not well made, hanillel, or eured; and being brought hither anil put into warehonses, were not sold sooli ennmph, nor to the company's best alvantage. Whereas now that everyone equips their vessels at the chempest rate, follow thetr tishhar dilgently, and manage all enrefully, the blabber, train oil, ind whale thas are employed for so many bses in severul comentries that they cansell them with that convenience, that though there are now 15 ships for 1 that formerly sailed out of ILollant on that account, mad consequently each of them could not take so many whates as herctofore, and notwithstanding the new prohibition of France and other comtries to import these commodities, and though there is greater plenty of them imported by our fishers; yet those commodities are so mach raised in the value above what they were whilst there was a company, that the common inhabitants to exerrise that fishery with protit, to the much greater benelit of onr comery than when it was (under the manarement of a compmay), carrich on but by a few.' ('Irue Interest of Hollune, p. $63,8 \mathrm{vo}$, ci. London, 17.t6.)
The private ships sent by the Dutel to the whale fishery were iitted out on a principle that secured the itmost coonomy and vigilanee on the part of everyone connected with them. The hull of a vessel was furnished by an individual, who commonly took upon himself the office of eaptain; a sail-maker supplied the sails, a cooper the casks \&e. 'The partie's engaged as adventurers in the audertaking. The cargo being broupht to IIolland and disposed of, each person sharel in the produce according to his proportion of the onttit. The crew was hired on the same principle; so that everyone had a motive to exert himself, to see that all mmecessary expenses were avoided, and that those that were necessary were confined within the narrowest limits. This practice has heen imitated to some extent in this and some other countries, but in none has it been carried so far as in Holland. It appeas to us, that it might be advantageously introduced into other adventures.

When in its most flourishing state, towards the
:eur lind, the butels whate insery employed about :36it shilps, anel $1.1,000$ sailora.
'The" Einglindi whale tixhery, like that of ILolland, was orighanly earried on by an exelusive nasuclation. The Mascovy fompany was, inleed, spectily Irtwes thom the theld; bint it was imemediatcly succeceled by others, that dide nut prove mure fortmate. In 18:2, the Sousth Nom tompuny ombarked largely in the tralle, mul prosecoted it for 8 years ; at the cmol of which. having lost a large sum, they gave it up. Ilut the legislature, having resulved to kinport the track, pronted, in 1732, n bemonty of \%Ns. prer ton tu every ship of more than $200^{\circ}$ tons himalen engaged in it ; but this premlum bemg lownfliclent, it was raised, in 13.14, to llas. per ton, when a mamber oi ships were litted out, as much certainly lis the lutention of catching tho bonnty as of citchlarg thlh. Decived by the prosperons apparance of the insary, lor riament inagined that It was trmly estalisished, amil in 172 F the bominty was rednced to 31s. The effects of this reduction showed the factitions buture of the trule, the vessels rongaged in it having fallen oft in the comerse of the next 5 years from $10 \%$ to 39 . To arrest this alarming decilne, the bounty was ralsel to its old level in 1ixk!, mul of conrse the trale was soon rentored to lis prevlons state of apprent prosprerity. The hostiluties weasioned ly the Americm war reduced the Duteh fishery to less than half its provious nomunt, and gave a proportional extension to that of langlanl. The hountr, which had in consequence becone very heavs, was redheed, in 1787, to 30s. per ton; in 17:2" it was further reduced to 2iss. ; and in 18:30 it was rechucen to $\because 0$ s., at which sum it continued till 18:2. when it censed.
It apporaw from accounte givela in Mapphersun's Annals of Commerce (vol, iii. p. 511 , vol. iv. p. 130), that the total bounties pail for the encouragement of the whale thahery, in the interval hetween 1750 nad 1788 , amonatel to no less than $1,575,13,3 /$. It will be seen from the ollicial acooment which follows that there are no means of furmishing any accurate account of the sums paid as boulties from the yeat 1789 to 1813 inelusive; but it is, notwithstanding, abundantly certain that the totnl bounties pesil during the period from lise to $18 \% .1$ consuderably exceeded $1,000,000$. Here, then, we have a sun upwards of two munans AxD. A ins.r laid out since 1750 in promoting the whale fishery. Now we believe that if we estimate the entire average value of the gross produee of the northern whale fishery (and it is to it ouly that the precelling statements apply) during its latter years, at 100,0001 . a-year, wo shall be considerably beyond the mark. lut had the 2,500,0001. expended in bolstering up this branch of industry been laid out as eapital in ordinary employment, it would have produced 105,000. ayear of nett prolit; being 25,0002 , a-vear more than the total value of the produce of the tishery, without allowing anything for the capital wasted, and ships lost in carrying it on. Whatever, therefore, may be the value of the whale dishery as a nursery for seamen, it is absurd to recrard it as contributing anything to the pullic wealth. The remark of Dr. Franklin, that he who draws a fish out of the sea draws out a piece of silver is ever in the months of those who are clanoming for bombties and protection agaiust competition. But we apprehent that even Franklin himself, sagacious as he was, would havo found it rather difficult to show how tho wealth of those is to be increasetl, who, in fishing up one piece of silver, are obliged to throw another of greater value into the sea. We subjoin ors,
erv, like thit of IIollaml, II liy all exclinalve nase('bunding was, imperd, e llehl; but It was lm-- oflicer, llat dici not In 1795, the South sua nely* In the tride, nuel ; at the rind of whinh, , they grave it up. line resulvid to millort the - brounty of 20ks. per ton an $2000^{\circ}$ tons burilon enmlim bemp Insuflichent, to los. pur ton, when a litted ont, as mumelh copeateling tloo lonuty as lved by the prosuerons y, I'splinment jmatined Nished, and in 1777 the 30\%, The cflects of this netithons matare of the ad in it laving fallen off ti years from 10is to 39. decline, the bounty was 1781, nud of course the to lts previons state of he hostilities necasioned duced the Dutels thshery jous nomont, aml gave a , that of linglami. The ousequenee beeome very 1787, to 30s. per tum; in ced to "ons ; and in li! which sum it continuel
ats given in Mappherwh's . iii. p. 511 , vol, iv. 1. 130), paid for the enconrage$y$, in the interval between to no less than $1,575.53 \%$. te otheial aceount which no means of furnishing the sums paid as bounto 1813 inclusive; but it ulantly certain that the ng the period from $1 ; 89$ ceeded $1,000,000$. Here, wards of Two sult.tuxs ce 1750 in promoting the believe that if we estivalie of the gross pro--hale fishery (rand it is cediug statements apply) 100,0001 . u-year, we shall tho mark. Ilut had the bolstering up this braneli t as capital in ordiaary ve prodiced $125,000, a$ ng 20,0001 . n-venr mors be produce of the lishery, ig for the capital wasted, fit on. Whatever, thereof the whale lishery as a $s$ nbsurd to regard it as the public wealth. The that ho who draws a fish a piece of silver is ever who are clanouring for rgainst competition, Ihat Franklin himself, sayaave found it rather diffialth of those is to be ill$p$ one piece of silver, are of greater value into the

 muth Ships, smal of the Ibmenties putiel on thrim dromm, firmm lix! to $1 \times 11$.

| Vuara | Hhily | 'Town | Men |  |
| :---: | :---: | :---: | :---: | :---: |
| 17*) | 101 | (16, Nou |  | "1tue diver. |
| 1740 | 111 | , 0.8 .8 .81 | 1,148 | ments frowil |
| 1891 | 114 | 13.304\% | 1,32\% | whith the a |
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| 1791 | fil | 11,246 | 6, $0^{241}$ | Dil 1140 jowra |
| 1:4\% | 11 | 11.714 | 1,1,111 |  |
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| 1797 | 611 | 14,4il | x (14.5 | nhuwn, uvive |
| 17*4 | (111 | 14.951 |  | Newrwanl it |
| 1744 | 67 | 14.3619 | 4,tiv.3 | lie life at the |
| [4(1) | 61 | 17,299 | x, wil | late ensturio |
| lata | 61 | IMrnit | 4.314 | hutue. |
| 1917 | 71 | $43,1.34$ | 8, (1) |  |
| 141.3 | (1) | $8{ }^{4,1494}$ | 3.514 |  |
| 1401 | $4{ }^{4}$ | 25,14.31 | 5.947 |  |
| (\%1\% | 91 | ${ }^{6} 3$ Aill |  |  |
| 1 \|witi | 11 | 87,69\% | Silis |  |
| (4is) There are no ilocunems biy which the arcounts find in1,3 diese yodan can be remiereal. |  |  |  |  |
| 1411 | 114 | 36,5;0 | 4.714 |  |

It is not esen ecrtain whether the expenditure

 eartied on infon in eonsiderable seale, lant fort the occupation of llollaml ley tho French, and tho conserpuent hostilities in which she was involved with this conintry. 'l'lieso lid more to promote and consoldate the lhitish tishery than musthing ale. 'The war entirely numihilated that of the Dutch: and our fioveriment laving wisely offered to the llshers of llolland all the finmmitles enfured by the citizens of lireat Iritain in the erent of tach mettling muongat us, many avalled themselves of the invitntion, bringing with them their capltal, industry, and skill. In consequence of this sigmal encourigement, the whate dishery of Gingland was prosecuted with greater success than at any previont period; and at the termination of the war, in 1815, there were nearly 150 valuable ships and about $\mathrm{G}, 1000$ seamen engenged in the Northern flalsery, and nbont 30 ships and suo men in that to the siouth,
After prace was restorerl, the lioglish capitalists aut others becume apprehensive lest the lutch should ringage anew witis their ancient vigour and suceess in the whale tishery. lhat these apprehensions were without any real fomsintion. The Ilotlanders, during the sio years they had ben exchaled from the sea, had lost all that practieal aequaintance with the details of the fishery, for which they had long been so famous, and which is so essentinl to its sntecess. The Government attempted to rouse their dormant energies by the offer of ennsiderable preminms and other advantuges to those who embar'ed in the trade. Three companies were in cor equence formed for carrying it on; 1 at Rottc dam, 1 at llarlingen, and J in South Hollar. But their effirts were limited, and altog i.r unfortmate. Ia 1826, the company of Sonth Holland was dissolved, while that of IIarlingen desputched 4 slips, and that of Rotterdam 2, In $18 \mathbf{2}^{\circ}$, Rotterdam sent only 1 ship, and Harlingen 2. In 18:8, 1 solitary ship sailed from Holland-a feeblo and last effort of the company of IIarliugen; and siace then a ship or tivo has been occasionally fitted out by private adventurers, but generally without success.

Such has been the fate of the Dutch whale fishery. The attempts to revive it fniled, not because the ships sent out were ill calculated for the service, but because they were manned by anskilful seamen, and fish were defteient. In the early ages of the tishery, the former dificulty

 wil unid whalebone, usen a small corso bronght a hogh pried; but whan the fivhery has been praverited unt a large monle mind at in very low rite of prosit by the longlinh, Imericans, and Ifanhmryhers, no new compusitur eoming into the tleld romid expert to mulitain himsulf minges he
 therefore, dome wasly in willalrawhing from the pricle. Auy nttion tu establiali it by the aid of butatices sum nther netitheial enemoragrments would be we al which the ultimato staceesm mist be very dombtfing, mill whel eonld leme to mo really inafil result. Durink the :al yrura precosdlug the firench war embed lali, the thshery of llolland was gralially declining, nisi hal, in $n$ prent menaure, censel tis be proflable. It wonlil be folly to dulbivour to raivo anew, and at a great
 improhlatho int a former perlod, whm, here is
 productive at this moment.

W'e luve alrealy notiond several changes of the loenlities in which the whilo thatery luas been earried in at dillipent perinds; and within these finw veas others of the smme klind huve taken plase, 'The Duteh tishers ilrst began to frequent Davin's Sitaits in 17l!; and as the whines liad nut hitherto been jurvued into this va.t resess, they wern lonnil in greater mombers than in the sean romml spitaberren. From about this pe:iod it was usually rexorted to by ubout threo-tentis of the Duteh ships. It was not till a comparatively late period that Davis's struits begen to be frequented liy Vingllal whalers; and down to 18:21, when Curinin Scoresby published his elaborate and valunble work on $t^{\text {? }}$, whale disliery, that curried on in the Grecmlann seas was by line the most considerable. But it will bo seen from the sulyjoined aceonit, that from IX21; down to 1837 the Sireenland seas were nearly nbandoned. This was principally a consequence of the greater abundance of whales in Davis's Straits, but it was, also, in furt wwhig to the various discoveries made by tho oxpeditions itted ont by Goverun ent for exploring the seas and inlets to the westw, rd ot Davis's S'trats nul Inalfia's lay having male tho tishers acquainted with several new and advantagentes situations for the prosecution of their bnsiness. Since 1837, however, the few ships that lave been sent ont have gone mostly to the Greenlund seas.

The sea in Davis's Straits is less incommoded with tiedd iee than the Greentand and Spitzbergen sea, but it abounds with jeebergs; and the fishery; when earried on ir Maftin's Bay and Lancaster Sound, is more dangerons, perhaps, than any that has hitherto been attempterl.

The Northern tishery declined rapidly down to 18 J 2 , from which periol it continued nearly stationary down to 1846 , when it revived a little.

It shonld, however, be observed that the fishery is now rather for sealn than for whales; the value of the prodnce obtained trom the former considerably exceding the value of that obtained from the latter.

During 1867, we imported $3,2 \cdot 26$ tons spermaceti oil, valıed at $373,36 \pi /$. During the same year the imports of train oil were 11,001 tons, of the value of 478,7231 .

For a long time past the whale fishery has been more allied to a gambling than to an industrions pursnit, so that its deeline is not really to be regretted. The extensive use of gas, and the increased imports of vegetable and mineral oils, occasioned in part by the reduction of the oppressive
duties with which the former were formerly affectel, have prevented the diminution in the supply of whale oil fow laving any bad cilfect.

Thece has been a singular elange in the ports from which the Northem fistiery has been carried on. In London were undertaken all the disenveries which led to its establisliment; and the great compmies formed in this city enjoyed for a lengthened period nearly a complete monopoly of the business. So late as 1780 and 1790 , the metropolis sent out 4 times the number of vessels that sailed from any other port; but it was olsserved that her fisliery was, on the whole, lens fortunate than that of the new rivals which had sprung up; and her merchants were so much discouraged, that in Mr. Scoresby's time they equipped only 17 or 18 vessels. They have wholly abandoned the trade, and have not seut ont a singlo ship since 1836 .

Hull carly became a rival to London, having aent out vessels at the very commencement of the tishery. Though checked at first by the monopoly of the great companies, as soon as the trade became free she prosecuted it with distugguished surcess. Tourards the enul of last century, she attained, and preserved down to 1837 , the chat racter of the tirst whale-fisling port in Great Britain. In 1819 she sent out 65 ships, and her imports of oil amounted in 1820 to 8,086 tons. But such and so rapid was the clecline of the fishery in the interval, that from 1838 to $1845^{5}$ she only sent out a solitary ship. In 18.16 , however, the business took a start; andi from that year down to the present time, ILull has sent from 10 to 13 or 14 ships. But she is not supposed to have made anything ly this pursuit. [Docks; lluni.] At present (1869), Peterhead is one of the ports. principally eogaged in the fishery.

WHALE FISIERY (SOUTHERN).-This consists of three distinct branches; viz. ist, the catch of the spermaceti whale, which furnishes the valuable substance called Spensmacert; 2nd, that of the common black whale of the Southern seas; and 3rd, that of the sea elephant, or southern walrus.
The spermaceti whale (Physeter macrocephalus) is found in all tropical climates, and especially on the coasts of New Zealand and the adjoining seas. The ordinary duration of the voyage of a ship, from England, employed in this department of the fishery, is about 3 years.
The common black whale of the Southern seas (Physeter microps) is met with in various places, but principally on the coast of Brazil; in the bays on the west coast of Africa; and in some of the bays ot New South Wales, Van Diemen's Land \&c.

Sca elephants (intermediate between the walrus of the Northern seas and the sent) are principally met with in the seas ronnd the Islands of Desolation, South Georgia, and South Shetland, the const of California \&c. Vast numbers of these animals are annually captured : vessels frequently load entirely with them; and they are believed to furnish more oil than the common South Sea whale. The oil of the black whale and that of the sea elephant are both known in the market by the name of southern oil, and they are so very similar that those most versed in the trade can with diticulty distinguish the one from the other. Hence ships commonly engage indifferently in either fisling as opportunity offers. The usual duration of the voyage of a ship from England in either of the last two departments, or in the two combined, varies from 12 to 18 months.

The South Sea fishery was not prosecuted by the English till about the beginning of the

American war; and ns the Americans had already entered on it with vigour mud success, 1 Ameriegin harpooners were sent out in ench vessel. In 1791, 75 whale ships were sent to the South Sea: hit the number has not been so grent since; and Latterly it has beern unprosperoms and cieclining, in consegnence partly of the competition of the colomists in Australia, who are incomparably better situated for the prosecention of this braish of industry, and partly of that of the Americans, The Aiacrocephuthes or spermaceti whale, is particularly abundant in the neighbourbood of the Spice lslands; and the late Mr. (rawfurd, in lis valuable work on the Eiastern Arehipehy! (iii, 1.17), entered into some details to show that the tishery carried on there was of preater importance than the spice trake. Unhuckily, however, the statements on which Mr. Crawfird tomuled his comparisons were entirely erroneons, neither the ships nor the men employed amounting to more than $\frac{1}{5}$ or $\frac{1}{6}$ of what he repiresented. And the trade has now become quite insiguificant. It is sullicient to mention, in proof of this statement, that in 1857 the Southern tishery supplied us with ouly 291 tons oil, and in $1866^{7}$ it is not mentiond is having yidded any.

Americun Whate Fishery.-For a lengethenell period, the Americans have prosecuted the whate fishery with preater vigour amb success tham, perhaps, any other people. They commenced in 1699, and for about 50 years found an ample sulply of fish on their own shores. But the whale having abmdoned them, the Americnu navigaturs entered with extracrdinary nrdour into the tionerics carried on in the Northern and Southern Oceans. From 1758 to 1775, Massachusetts employed amually $18: 3$ vessels, earrying 13,820 t tus. in the former; and 121 vessols, carrying 1 Hen tons, in the latter. Mr. Jurke, in his fumms speech on American affitirs in 1iat, alverted to this wonderful display of daring enterprise as follows:-
'As to the wealth,' said he, 'which the colonies have drawn from the sea by their lisheries, you had all that matter fully opened at your inar, You surely thought these açuisitions of value, for they seemed to excite your ensy: and yet the spirit by whieh that enterurising cimployment has been exercised, ought rather, in wy opinion, to have raised esteem and admiration. Aad pras; sir, what in the world is equal to it? Pass liv the other parts, and look at the mamer in which the New England people carry on the whale fishlery. While we follow them among the trembling ocenins of ice, and behold thenr penetrating into the deepest frozen recesses of Hudson's Bay and Davis's Straits; while we are looking for them beneath the Arctic cirele, we hear that they have piereci into the opposite region of polar cold ; that they are at the antipodes, and engaged under the frozein serpent of the South. Falkland Island, which seams too remote, and ton romantic an object for the grasp of national ambition, is but a stage and resting-place for their victorions industry, Nor is the cquinoctial heat more discouraging to them than the accumulated winter of both poles. We learn, that while some of them draw the line or strike the harpoon on the coast of Africh, others run the longitude and pursus their gigantic came along the coast of Brazil. No sea, but what is vexed with their fisheries; no climate that is not witness of thirir toils. Neither the perseverance of Holland, nor the activity of France, nor the dexterous and firm sagacity of English enterpise, ever carried this most perilous mode of hardy industry to the extent to which it has been pursued by this recent people ; a people who are
se Amerienns had already ami suecers., $\downarrow$ Amerid:an nit in ench vessel. In resent to the Konth San ; beon so great since; und osperous and cieclining, in the eompretition of the ho are ineomparably batecation of this branch of - that of the Americans. spermaceti whale, is jwrhe nuighbourhome of the ate Mr. Crawfind, in his Etastera Arehipeluy" (iii. details to show thant the was of greater importance Enluckily, however, the Ir. Crawfird foumed his ely erroncons, neither the oyed amennting to more presented. And the trade insignificant. It is sulliof of this stntement, that hery supplied us with ouly tis it is not mentioned is
shery.-l'or a lensthenel ave prosecuted the whate -igour and success than. ple. They commenced in 0 years fomd mample wn shores. litut the whale , the Ameriean mavipaturs nary artour into the thh: Northorn and Southern , $17 \%$, Massnchmsetts omb sels, carrying $13, x: 0$ tulls, I vessens, carrying 140.6 Ir. Burke in his fanmes fiars in 177 , adverted to - of clariug enterprise as
iid he, ' which the colgnies sea by their tisheries, you ully opened at your liar. ese aeyuisitions of value. to your euvy; and yee the terprising cmployment has rather, in ay upinion, to 1 adoniration. And pray, f equal to it? l'ass hy the the mamer in which the urry on the whale lishery. mong the tremblinge ocems penetration into the deeqludson's ltay and Davis's looking for them beneath ar that they have pierces I of polar cold; that they 1 engnged under the frozen

FalkIand Island, which oo romantie all olject for ubition, is but a stage and rictorions inlustry. Xor nore discournging to them vinter of both poles. We of them draw the line or the const of Africa, others ursue their gigantic game vil. No sea, but what is es ; no climate thut is not Neither the perseverance of 5 of Frauce, nor the dexty of Eng!ish enterprise, perilous nude of hardy t to which it has been people; a people who are

## WHALE FISIERR (SOLDIIERN)

still in the gristle, and not hardened into manhownl.'

The unfortunate war that broke ont somin after this specelt was delivered, checked fur a whild the progress of the tishery; but it was resumed with rencwed vigour as soon as jeace was restoreut. The American lishery was primeipally earried on lirom Nantueket mid New Beolloril in Massachusetts; and tur a considerable tine past the ships have mostly resorted to the Southern Seas. 'Although,' sny's Mr. L'itkin, 'tirent liritnin lus, at various times, given large bounties to her shijs employed in this lishery, yet the whalemen al Santucket nud New liedford, murotected and unsupported by anything bart their own indastry mul enterprise, have frenerally been able to meet their competitors in a foreign market.' (Commerce of the United statis, 2 ml ell p. 16).
In 18,5 the Americm whale fishery was of very great extent and importance. It employed about 600 ships, of the argrgrate burden (June 30) of 198,593 ton., principally belonging to New lealford, Nantucket, and other ports in Massachusetts, Rhode Island, and Comecticut. A very large portion of this immense fleet was employed in the Pacilie; and the possession of San Francisco affords facilities for the fitting out aud repair of slips for this business. In 1857 there were imported into the United States 78,440 barrels of sperm, aud 23,094 barrels of whale oil, and $2,058,580 \mathrm{lb}$. of whalebone. In 1 ktil the imports of lish oil into the United Sitates wore $1,324,13 \cdot 4$ gals., worth $1,459,013$ dols., while in 1865 they declined to 706,171 gals. Yet in $186 i 7$ the whale and fish oil exported from the sitates amounted to $1,526,287$ gals., worth $2,277,1505$ dols. On the whole, it appears more than probable that the American whale fishery has passed its zenith. The snme enuse that led to the eessaltion of the Biseny and Spitabergen tisheries is operating throughout the wille extent of the Pacitie. The supply of whales is everywhere becoming exhausted. And the risks and losses that have always attended the trade, and hiven to it so much of a gambling character, ture foing constantly increased. Irence the probability verms to be that the fishery of the United States will eventually experience the fate of that of llalland and England, and no doubt its deeline has been somewhat precipitated by the late rivil war. llowever, the petrolem springs in her territory render the great American republic quite independent of whale oil. The Sandwieh tslands are at present the resort of the ships enignged in the Southern fishery. And the acomonts from thence contirm its decline. There is as much enterprise and eneriry as ever, but the 'gigantic game' is deficient.
French Whale İshery,-Franee, which preceded the other nations of Earope in the whale fishery, can hardly be said, for mniny yenrs jast, to have had much statre in it. In 1784, Lonis XVI. endenvoured to revive the fishery, With this view he titted out 6 ships at Dunkirk on his own account, which were furnished with harpooners and anumber of experiencel seamen brourit at a great expeuse firm Nantucket. The ndventure was more successful than eonld have been reasonably expecied, consiolering the anspicess under which it was carried on, Several private individuals followed tho example of his Majesty, and in 1790 France liad about 40 shijs employed in the fishery. 'The revolutionary war destroyed every restige of this rising trade. Hut since the peace, Government has made great eflorts tor its renewrl: and high bounties have been granted to all vessels fitted out tor the whale tisheries, but

W1IE.JT
especally to those engriged in the sperm fishery, T'liese, however, have not heen su successful fill farcing ships into this trade as might hase been antiviputen: for it appears from the otlicial teconuts that, in $1 \times i)^{7}$, only + ships, of theageregente burden of $1, N_{i z}$ tons, arrived in the phrts af Frane from the whale in-hery, bringing with them ass, 388 kilug. of oil, (ifluministrution des Dourmes. 1857,
 produce of the tisharies, were imported, and t , $\mathbf{i t i 3}, \mathbf{1}$ It were entered for hone consumption.

WII.IIl?O. [C.In'un.]
WHAlil'. A sort of quay, constructed of wood of stone, win the margin of a rablstemd or harbons; alongside of which ships or lighters nre brought for the sake of being conveniently laaded or anloaded.
'There nre two denominations of wharves, viz. Irgal quays and suffarance whares. 'The former are ecrtain wharves in all satioports, at which all goods are required ly the I liliz. e. II, to be latuled and shipped, nud they were set out fir that purpose by commission from the Court of lixehegucr, in the reign of Charles II. and subsequent sovereigns. Many others have been legalised by det of l'arlimment. In some ports, as Chepstow, Gioncester de., certain wharves are deemed legal quatys by immemorial practice, thongh not sei out by commission, or legralised-by Aet of l'arliament.

Sutherance wharves are places wherecertain goods niny be landed and shipped, such as hemp, flax, coal, mul other buiky foods, by specinl sufleranee granted by the crown tor that jurpose.

The goods that may be landed at the different wharses are specitied by the Commissioners of Customs, and depend partly on their situation, and partly on the eharacter and eapability of the warehouses comected with them.

WIIAREAIEL. The fee paid for lambingr goods on $n$ wharf, or for shipjing then. off, The stat. 22 Ch. 11. c. 11 (moditied by $1 \& 2$ (iec. IV, c. 80 ), after providing for the establishment of wharves and quays, makes it lnwfinl for any person to lade or unlade goods, on payiner wharfage and crannge at the rate appointed by the king in commeil.

WhEA'L (Ger. weizen; Duteh, tarw; Dan. hvede; Swed. lwete; Fr. froment, ble; Ital. Lrano, furmento; Span. and l'ort. trigo; Kıss. pschenzia; rul. pszeniea). A species of bread corn (Triticum Linn.), ly far the most important of any cultivated in liurope. We are totally ignorant of the combry whence this valuable grain was first derived; but it was very carly cultivated in sicily. It is raised in almost every part of the temperate zones, and in some places as high as 2,000 feet above the level of the sea.
'the kinuls of wheat. sown are numerons, but they may be classed moder 4 heads: viz, cone or bended whent, which, however, is now little cultivated; white wheat, of which there are innmmerable varieties, the white Duntzic being considered one of the best; red whent, which is seldon se 7 where the climate is rood and early, ant the land in proper condition; and spring wheat. A grenter number of people nre nourished by rice than by whent; but owing to the greater guantity of gluten which the later contains, it makes by far the best brend. liye comes nearer to wheat in its breul-making qualities than any other sort il grain; still, huwever, it is very inferior to it. The finest samples of wheat are small in the berry, thin skinned, fresh, plump, and bright, slipping readily through the tingers.

Being very extensively cultivated on soils of very various qualities, nud frequently with very imperfect preparation, the produce of wheat crops in Great Britain varies lrom about $1: 2$ to 56
bushels per ares. Accordine to the agricultural returns for 1868 , there were $3,951,018$ acres in the United Kingelom devoted to the enltivation of

 in 1863; and I'russia 3, 8 iti,253, and the United States $12,304, \mathrm{x} 91$ acres in $18 \mathrm{it}^{7}$, all growing wheat erops and spelt.

The comites most distinguished for the quautity and quality of their wheat are Kent, lissex, Suftolk, Rathanil, I ertfordshire. Berkshire, IIampshire, and Iteretordshire, in lingland; and Berwickshire, and the Lothims, in Seothand. In the northern comuties it is, speoking generally, of an inferior guality; being cold to the feel, dark coloured, thick skinted, and vielding compuratively little thour. In the best whent counties, and in goul years, the weight of a Winehester bushel of whett is from ti0 to tie llb. In the Iale of Sheppey, in Kent (where, perhips, the besi samples of wheat sent to the lanulom market are produced), this grain, in some favourable seasons, weighs 64 lb . It luthel. Where the elimate is codder, wetter, or more backward, or in bad scasons, the weight of the bushel of wheat is not more than 50 or 3 a lb . It is caleulated that the average weight of the bushel of good lugglish wheat is $58 \frac{1}{3} \mathrm{lb}$.; and that the average yichl of flour is 13 lb . of flour to $1+\mathrm{lb}$. of grain. (Lottdon's Ency. of Alyriculture \&e.) In 1810 wo imported $34,615,569$ ewt. of wheat, at: $]: 3,5!\cdots, 9$ cwt. of wheat meal and tlour, $31.415 .-1$
the tirst and $3.564,891 \mathrm{cwt}$. of the hast lationg been entered for home consumption. The average price of British wheat for the week ended April 24,1869 , was 4 js. ind. per quarter.

For a virw of the regulations with respect to the importation and exportation of wheat $\& e$., sec Cobs Laws and Cons Tiade; but as the Chancellor of the Exehequer (Mr. Lowe) proposes this year (1869) to abolish the chaties on all dencriptions of corn, we have appended his resolutions on this subjeet with others to Tampe, Bmensis.

Wlllskr. A spirit obtained by distillation from corn, sugar, or molasses, though generally from the former. Whisky is the uationel spinit, if we may so term it. of scolland and Irelind; but that distilled in the former is generally reckoned superior to that of the latter. [Simirys.]

WINE (Ger. wein; Fr. vin; Ital, and Span. vino; lort. vinho; lhass. wino, winogradnoe winoe; Lat. vinum; (ir. otvos; Arab. klıumr). The fermented juice of the grape, or berrics of the vine (Vitis vinifera).

The vine is indigenous to Persia and the Levant; but it is now found in most temperate regions. The limits within which it is cultivated in the norther hemisphere of the Old World vary from about $15^{\circ}$ to $48^{\circ}$ and $52^{\circ}$; but in North America, it is not enltivated farther north than $38^{\circ}$ an $40^{\circ}$. It is rarely grown at a qreater altitude than 3,000 feet. From Asia the vine was introduced into Greece, and thence into Italy. The Phoceans, who fomuted Marseilles, carrici the vine to the sonth of France; but it is doubtful whether it ras introduced into lurgundy till the age of the Antonines. The ancient writers give the most contradictory aceounts with respect to the introduction of the vine into Ginul. Sec the learned and exeelleat work of lee Grand d'Aussy, Vie privée des Francais, tome ii. pp. 329-3:33.) The statement given above seems the most probable. The species of Vitis inuligenons to North America is very differcat from the Vitis vinifera. In favourable scasons, the vine ripens in the open air in England; and in the eleventh and twelfth centuries, considerable
ne were made from native now, however, unkurwn te grapes raised in hoterts, are excellent. ery sort of soil; but that cily seems best suited tior wines. It sueceds exie commtries. The hest cel in the neighbourhorl ous Tokay wine is alsor -ict, as are several of the ny purts of the sumtls of marks of extinct rolrown amoug the denris of it favourable situation for ing ground or hill farting itnation should not be too

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and Sermenting the juice have been iractised from The sacred writings tell viucyurd soon after the mol a modern Latin peet the vine as a gilt from mkind for the miserios hat grand catastrophe.

## cla vini

inum quo munere fovit a yite rilunam!
'VimierıI I'red. Rusticum, libs xi.
re are many varieties ut nstance, coinhined with ite, mode of preparatime e variety in the speris of ces immicdiately contign1 where even at car:tal cmark any diflerence the though produced bey the and treated in the same ifferent. A great ivel the aspect of the vincable that a good weal of soil. But whatever 8 certain that these ate imited districts, such as
Consrantia, the best chane dee, that no art re ed in produ"ing of effulil
he wines of Leslows and , man the lulermian aml mans, have acquired an Great uncertainty, howwature of thase wins. it the most celebrated of approachect, in its nust rt tr Madeira. In preincients often inspissitt d the consistence of honey, were diluted with water Ig drunk: and, inteet, with water seems to in antiquity than in
e principal wines mate re Port, Sherry, Claret, ck, Marsala \&e. a inountrinems district he river Douro, about 70 nene it is shipped and its riet, not exceeding 30 t 45 , in lirealth, having ed for the production of ked ont in 1756 ly the charter granted to the
'Oporto Wine Company, to whom was securel wine, cuntaining about $!9$ per cent. of alcohol. the absolute disposal of all wines prodneed in this It is prineipally probluced in the vicinity of Neres, district, with power to dix the prices paid to cultivators, as well as to prepare the wines for export and regulate the prices at which they whonld be sold to foreigners.

The estallishment of this company was a sonree of great injustice to the Ibritish merchants, and gave rise to innumerable tubuses, and enilless disputes between the British and Porturnese Govermments; ceasing to expreise its momenoly in 1834, it existed meler varying conditions until I865, wisen the wine produce of the whole lingdom was thrown open to free trade. I more particular acconnt of this company and ins evil influences in deteriornting the quality and rasising the price of port wine, will be fontid in furmer editions of this work.

The wines produced in this district and its immediate vicinity, known as the Paiz vinhateiro,' possess qualities not shared ly these grown in other parts of Portugal ; the wines are cultrvated in a soil composed of little else than the debris of voleanic rock collectent in rude terraces bullt upon the monntain sitles. From a sariety of canses port wine contuins a large amount of suspendel vegetable matter, and great natural alcoholic strength, which however has hitherto been found insutbeient to preserve its qualities and avert re-fermentation without the addition of extrancous brandy. The determination of the requisite amonat of this spirit is one of the chief difficulties experiened by the producers and shippers; and an anxiety on the part of these to proteet themselves from the risk of the deterioration of their property, and in some cases their ignorance, coupled with tie expectation of the consumer that port wine can be kept nlmost any leagth of time in eask or bottle with advantage, have doubtless led to the use of more brandy than perhaps inight be absolutely necessary ; hence port wine has been stigmatised as an artificial and adulterated compomid.
The almost tropical summer-heat, the dry elimate and arid soil of the wine districts, are peculiarly ndapted to ripen the grapes to perfection. They are extremely luscious and deep coloured; and the long proeess of treating in the rough stone wine-press has the effect of extracting all their colouring vegetable matter and astringent qualities, while the great amount of saecharine they contain is converted into alcobol.

In common with other articles of commerce, port wine is subject to adulterations and imitations: bags ol dried elder berries trodiden in the wine-press were formerly much used to increase the colour of inferior wines, but a modern demand for wines of a lighter colour caused the almost complete discontinuance of their use. The imitations are chiefly the productions of Hamburg, Cette, and Tarragona.

The vine disease, or 'oïdinm Tuekeri,' has been severely folt in the port wine distriet, and has of late years much curtailed the produce, thereby enhancing prices.

For further details see Oponto. Sce also n curious entroversy on the adulteration of port in Reports of Mr. Secretary Lytton and Mr. Consul Crawforl, published by the Foreign Office in I867.

Sherry is of a deep amber colour; when good, it has il fine aromatic odour; its taste is warm, with some degree of the agrecable bit'eruess of the peach kernel. When new, it tustes hursh and fiery; it is mellowed by being allowed to remain 4 or 5 years or longer in the wood; but it does net attaici, to its full llavour and perfection until it be kept for 15 or 20 years. It is a very strong
not firr fom (indiz, in Spain. It is very extensively used in this country as a dinuer wine, and we consume a freater guantity of this than any other wime. Dry sherry, or amontillato, when genume and oha, fetches a vory high priec. l'erhaps no wine $i$ is so mucle adnlterated as sherry. With the exceptitn of Marsaba, the consmmption of sherry has been far more influenced than that of any other wine ly the reduction of the duties in 18.5 and f aiti, In 1867 , the quantity retained for bome consumption amomated to $6.131,175$ sallons, being 7 (62, ofon gallons more than five times the quantity retained for consmmption at an


The province ol' Valencia, in spain, protuces a great variety of wines. Large quantities of a strong, sweetish, red wine, called Benicarlo, from the port whence it is shipped, is exported to Cette. It is thence conveyed, ly the camal of Labrıedoc, to Hurdeaux, where it is mixed up, with the poorer sorts of the wites of tho Girunde, to whieb it gives colour, body, and durability.

The Val de Penas, a pleasant red wine of La Mancha, suil by Swinburne to be the most Irinkable, for coimmon use, of any in sjain'(7racels in Spain, p. 319, 4to. ed.) Lhas probably been commended bevonds its deserts. It was reckoned among the thest Spanish wines, in $1 \tilde{v} 4^{\circ}$, by Lobera de Avila, plysicimn to Charles V. (Don Quixote, por lיhlieer, iv. 130, 8ro. 1788.) But in whatever estimation it may be held in its native province, we doubt whether it is ever likely to be acceptable to forcignors. When carried to the coast it is conreyed in groat skins, smeared with pitch. This mives it the olor de bota, by which it is disagreeably distinguished.

Claret.-The term used in Eingland, though not in France, to designate the red wines, the produce of the Gironde. Of these Châtean Latite, Latour and Châtean Margaux in Medoc, and IIant Irrion in the Graves district oceupy the first rank, and in a gond vintage the three first sell fully 20 per cent. dearer than any other wines in the department. The Lalite is a full bodied wine, with peculiar flavour and character; the Latour has also a good deal ol body, lut not quite so much thavour us the Lafite. T'he Château Margaux, on the other ' and, is lighter, but extremely delicate.

The ilaut Brion is ditferent in character from the above wines, having a great deal of spirit and body, and much less tlavour.

The wines most estecmed after the first growths are called seconds crus or second growths; sueh are Rauzan and Durfe $t$ in the parish of Margaux and the vineyards of Leoville and Larose in the parish of St. Julien, Mouton in the parish of Pauilluc, and Gorsse in the parish of Cantenac. These afford wines of fine quality, which, in farourable years, have much of the excellence of the first growths, and in some instances are fully equal to chem. The above-named parishes and that of $\mathrm{S}^{\prime}$. Estephe produce the great majority of the third and fourth class wines as well as those that are sold as ordinary clarets under tho reneric name, of their parisbes. Medoc and IIaut Medoe designate the lightest wines of this district, and Bas Medoc the coarser wines in the northern part. St. Emilion is a peculiar wine, with body but without much flavour, and is made on the banks of the Dordogne river.

Clarets are generally bottled after 3 years. The finest wines are sometimes not fully developel for 10 or 15 vears, but the lighter and secoudary qualitios and the wines of lig't vintages come to perfection minch sooner. Wines of fine
vintagen, when kept lour in bottle, often depowit a crust on the ghass, and the same may be said of ull the red whes, particularly when bottled enrly.

In former times and hefore the use of elaret became as general as it is, lhordeanx wines were rarely exported to the United Kingrom in a state" of pirity. Hut it is now quite the reverse, and experience has proved that the pure clarets of a grool vintage will last, and keep their colour and flavour much longer when pure than when blended with hotter wines.

The price of elaret varies from 122. to 60\%, and 80\%. per hogshead, and sometimes as much as 1001 . and 1201 . jer hogestead are paid for the supurior growths of the very fincest vintages. Cargo and ordinary clarets can be bought at from 1 i . to $10 \%$. per hogshead. Fine clarets in bottles sell from 36 s , to 96 s , per dozen, and there are instanes of remarkably old and rare wines having bronght in publie sales alove $\mathbf{j 0 \%}$, per dozen.
(See the valuable work of Dr. Menderson, $O_{n}$ Ancient and Modern Wincs, p. 184; and Jullicn, Topographie de ligmobles, p1. 202-212. See also Mr. Reekwith 'On Fermented Drinks'Reports on Paris Exhibition-who estimates the quantity of Bordeaux wine grown at $85,000,000$ of gullons.)

Champuyne, so called from the province of France of which it is the produce, is one of the most deservedly esteemed of the lirench wines.
'The wines of Champagne are divided into white and retl wines; $t^{1 \text { n }}$ se last, owing to the recent great extension of the trucle in sparkling wines, nee now made in but suall guantities, and then only in such localities us cannot make gool white wines, and these red wines are consmmed in the conntry; the hest of them, Buozy; Clos St. Basle de., greatly resemble in colour and aromathe wines of Burgundy, but have a peeuliar character of Champarne.

The white wines are of two classes; those made of black, and those of white grapes. Of the first, the characteristics are 'elegance,' body and bouquet; the best are those of $\Lambda y$, Ye reenay, houry \&e. Of the second, noted for their lightness and exquisite flavour, the hest are those of Crammat, Avize, Chouilly de. In preparing the wines for sparkling, the difterent growths, such as $\lambda$ Verzenay, and Cramant, are so mixed up as to form a wine possessing the different gualities appropriate to each, thus combining body with nerve, exquisitive thavour and lightness \&e.
All sparkling wines are thons made up of lifferent growths, experience having shown that such wines are much more likely to keep in good condition and go on improving.
The still wines are made with the wines of Verzenay and Ay; they are much admired by connoissenrs, but the consumption of them is very limited. These wines are usually ealled 'Silléry sec' from the frat of all the wines of Yerzenay having originally belongel to the 'marguis of Sillery;' who used to call these wines after his name. There are hardly any wines grown at Silléry, the loeality being too muel exposed, and the few that are there ure annually frozen in the spring.
The nunual exportation of Champagne amonnts to $13,500,000$ bottles, of which about $3,000,000$ are consumed in France, and the grenter part of the rest sent to England and its colonies.

The trade in wines is prineipally carried on in Reims, Epermay, Ay, and Avize.
The eellars in which the wines are stored are excavated from the rock of chalk, or from a calcareous tufa, the temperature of these being always about 48 degrees Fahrenheit.

In the last edition the produce of the provinee of Champurae was statell at about $1,000,000$ luetolitres, or 2,2000, b00 of gallons. Mr. Beckwith (Rrpurts on Paris Exhibition of 18ibi) estimates the avorare quanty of wine promenced in the ('hampane district at $82,000,01000$ of fallons, without, however, stating the data on wheh this estimate is founded.

Hmymuly.-The best wines of this prorince, thourh not so popular in laghand as those of Champarne, probally becouse they are very apt to be injured by a sea-vovare, mioy the highest reputation. 'la richness of thavone and pertime, and nll the more delicate qualities of the juice of the prape, they unquestionably rank as the tinst in the world; null it was not without reason that the dukes of Burgundy, in former times, were denignated as the princes des boms vins.' (Ilendersom, p. 161.) M. Jullien is not less decided: - Les vins des premiers erns, lorsianils proviennent d'une honne année, rémissent, dans de justes proportions, toutes les qualitis qui constituent les vins perficits; ils n'out besoin d'ancun melange, d'aucune préparation pour atteiudre leur plus hant degrré de perfection. Ces opfrations, que l'm qualitie dans certains pays de soins qui uident it la qualité, sont toujours nuisibles aux vins de Bourgogne ' ( p .104 ).

Romani-Couti, Chanbertin, the Clos Voureît, and Richebourg are the most eclebratel of the men wines of Ilurgundy. Chambertin was the favourite wine of Louis MIV. nud of Napoleon. It is the produce of a vineyard of that name, situated 7 miles sonth from Dijon, and furnishing each year from 130 to 150 phucheons, from an extent of about 65 acres. It has a fuller body and colomr. and grenter durability, than the Romame, with an aroma nearly as frarrant.

The white wines of Burgundy are less numerons, and, consequently, less generally know, than the others; but they maintain the highest rank among French white wines, and are vot inferior to the red eitler in aroma of thavous.

The entire ammal prowluce of wine in liurgundy and lleanjolais may at present be estimated, at an average, at nearly $\mathbf{7 5 , 0 0 0 , 0 0 0}$ of gallons, of which about $\frac{1}{3}$ suffices for the consumption of the inhabitants. Since the lievolution, the aultivation of the vine has been greatly extende? in the province. Many of the new vineyards having necessarily been planted in compratively unlavourable situations, a notion has been gainiug ground that the wines of Burgundy are degenerating. This, howeve, is not the case. On the contrary, the quantity of lous rrus, insteal of being diminished, has increased cousiderably; Lhough, as the supply of inferior wines has inereased in a still greater degrec, the tine wines benr a less proportion to the whole than they dia previonsly to the Revolution. (Jullien, p. 90. .)

The prineipal trade in Burgundy is carried on at Dijon, ( Cevrey, Châlons-sur-siồnc de.

Besides the above. Franee has a great variety of other excellent wines. Ilermitare, Sauterae, St.-P'éry \&e, are well known in lingland, and descrvedly enjoy, particularly the tirst, a high degree of reputation.
This makes a total export of $2,868,398$ hectolitres, worth $260,330,5 \cdot 3$ fr., or $10,84 \overline{7}, 10 \overline{7} /$. Abont 20 years ago the exports did not exceed $1,500,000$ lieetolitres, so that there has been a large increase in the interval. The average nnnual export from Bordenux albue during the a years ending with 1864 was $13,301,976$ gallons. And were France still further to liberalise her commercial poliey, it is not easy to say to how great an extent her exports of wine, ia the pro-
oduce of the provinee d at about $1,000,000$ of fullons. Nr. Heck. chihition of $1860^{\circ}$ ) estiv of wise produced in $\therefore 2,000,0100$ of prallons, the data on which this ines of this province, linglamil us tlose of mse thiy are very upt rare, Mijoy the liughest of flavoir fand jerfinme. pulities of the juice of anbly rank us the finst ot without reason that in former times. were des bors vitus.' (II'n)ut is not less decided: s erus, lorsifu'ils protée, rémissent, dans de s quulit's qui comstitue;:t esoin d'ancun mélange, atteindre leur plas hamit - oprerations, que l'on s de soins gui aident is monisibles and vins de
:tin, the Clos Voureint, most celebrated of the Chambertin was the XlV. and of Napoleon. ineyard of that name, a Dijon, and furnishing 50 phacheons, from an It has a fuller body durability, than the early as frarrant. ryuindy are less numeless generally known, $y$ maintain the highest te wimes, and are not aroma ot thavoui, ce of wiue in lburgualy esent le estimated, at ,000,000 of gallons, of the consumption of the evolution, the sultivareatly extendel in the new vineyaxls having in comparatively unotion has been gaiming Burgundy are degenenot the ease. On the bous rerus, instead of acreased considerably ; inlerior wines has indegree, the fine wines e whole than they did in. (Jullient, p. 90.) Burgundy is carrici on sur-Saône de. ce has at great variety IIermitare, Saterue own in lingland, nad arly the tirst, a high
ret of $2,868,398$ heeto\&r., or $10,847,10 \pi /$. xports did not exceed nat there has been a erval. The average ux alue during the $\delta$ as $13,561,9 \overline{6} 6$ gallons. ther to liberalise her t easy to say to how ts of wine, ia the pro-

Account of the Qumatities and Value of the W'ines Firportral from France in 186is; Distinguishing
 Cushs rund Boitles; and Specifging the (Qumtitios of those sent to rech Country comsumiall larycly, wal thrir Total I'alue.

duction of which she is immeasurally sumerior to every other comory, might be inerensed.

Exclusive of whes, there were exported from France, in $1865,1,8: 9,122$ litres of vius de liqueurs, valued at $4,390,613$ franes, and in $18 t 77$ the watal ralue of the wines exported from France was $195.788,2020$ fruncs.
The total average prodnce of the vincrards of France is estimated by Mr. Beckwith, in his lissay on Fermented Irrinks, 1siati-7, ut $831,000,000$ of gallons, ceclusive of $165,000,000$ of gallons amuanlly distilled into brandy. See the article lkommatix, for an aceonit of the anthence of the improved lirenel comnercial poliev on this great department of industry.
Dispute as to the comparative Vicrit of Champmgne and Burgundy.-The question, whetlier the wines of Chanyagne or llurgundy were entitled to the preference, was agitated during the reign of Lonis XIV. with extraordinary keenness. The celebrated Charles Cotlin, rector of the Lniversity of Beauvais, published, during this controversy, a classical ote, in whieh Champange is enlisgisel, and its superiority vindieated with a spirit, vivacity, and delicacy wortly of the theme. 'The eitizens of lheims were not ungratefil to the poet; but liberally rewarded him with an appropriate and muniticent (onation of the wine he had so happily panegrised. Giréncan wrote an ode in praise of hurgundy ; but, unlike its sulject, it was that and insipid, and failed to procure any reconpense to its anthor. The diflerent pieces in this annsing controversy were eollected and published in swo. at Paris, in 1712. (Le (irand d'Anssy, Jie privie des Frangais, tom. iii. p. 39, and the Biogruphie linitersc/le, tom. ix. mrt. 'Coffin' (Charles). brasmus attributes the restoration of his health to his having trunk liberally of liurguady ; and has eulogised it in the most extravagant terms. An epistle of his, quoted by Le grand d'Aussy, shows that Falstaff and he would have spent an creaing together more arrecally than might have lien supposed:- Je premier qui enseignit l'art de fitire ee vin (de lbourgogne), ou qui nous en lit présent, ne doit-il point passer plutôt pour nous avoir domuc la vie que pour mous avoir gratitie d'une liqueur?' (Vie privcie des F'rancuis, tom. iii. p. 9.)

Consumption of Prench Wiue in IIngland.Owing to the intimate conmection subsisting between Linrland and France tor several centuries after the Conquest, the wines of the latter were long in almost exclusive possession of the
Euglish narket: but the extension of commere
gradually led to the introduction of other species; num in the reigns of blizabeth and James I. the dry white wines of Spain seem to have been held in the highest estimation. 'This, however, was unly a temporary preference. Sulusequently to the liestoration, the wines of Jirance regained their former ascendaney. In 1 ti87 their importation mumonted to 15,5$] 8$; in 1688, to $1 \cdot 1,218$; and in $1\left(\mathrm{~s}_{;}\right)$, 1011,106 tuns. It is exceedingly doubtfil whether so much as a single pipe of port had ever tomad its way to l'merland previously to this period (IIenderson, p. 31: ${ }^{\text {) }}$; and it is most probable that the wines of France woula have continued to preserve their aseendaucy in our markets, had not their importation been artiticially checkeal.

The trale with France had ocasionally been prohibited previously to the accession of William 111. ; but it was not until 1693 that any distinction was made between the duties payable on French and other wincs. Ihat Lous XIV. having espoused the cause of the exiled family of Stuart, the Britisl Government, in the irritation of the moment, and without reflecting that the blow aimed at the French would infallibly recoil upon themselves, imposed, at the period above mentioned, a discriminating duty of 81. a tun on French wines, and in 1697 increased it to $33 l$. In conseguence of this enomous augmentation of duty on French wines, the merehants hegan to import red wine from Opos.u as a substitute for the red wines of Budeanx, excluded by the high duties. It is probable, lawever, that these discriminating duties would have been repealed as soon as the excitement which produced them had subsided, and that the trade would have returned to its old channels, had not the stipulations in the fumous commercial treaty with lortugal, ncgotiated by Mr. Methuen in 1703, given them permanence. Such, however, was muluekily the case : for, according to this treaty, we bould ourselves to charge in future 333 per cent. higher duties on the wines of France than on those of Portugal ; the l'ortuguese, by way of compensution, binding themselves to admit our woollens into their markets in preference to those ot' other countries, at a fixed und invariable rate of duty.
'I'hougl very generally regarded at the time as the highest effort of diplomatic skill and address, the Methuen treaty was certainly founded on the narrowest views of national interest, and proved, in $n o$ common degree, injurious to buth parties, but especially to England. By binding ourselves to receive l'ortuguese wines for tuo-thirds
of the dirty payable on those of France, we, in effect, fave the lortuguese growers a monopoly of the Ibritish market, and thereby nttrncted too great a proportion of the delleicut eapital of Portugnal to the protuction of wine; while, on the other hand, we not only excluded one of the prineipal equivalents the Fremeh han to oller for our commodities, nad proclamed to the world that we comsidered it better to deal with uoo millions of poor begearly enstomers, than with thirty millions of rieh ones, but we nlso prowoked the retaliation of the French, who forthwith exchuded most part of our articles from their markets.

The injurions effect of the regralations in the Nethuen treaty was distinetly pointed mit by Dr. Davenant and Mr. Inume, The latter, in his Essay on the Belatuce of Trade, published in 1752, says, 'Our jealousy nad latred of France are withuit bounds. 'These passions have occasioned innumerable barriers nud wostuctions on commerce, where we are comnonly necused of being the aggresoors. Hat what have we gained by the bargain? We lost the Frwah market for our woollen manufactures, and transferred the commeree of wine to Spain and Portural, uhere we buy much uorse hiquor at at mush higher price. There aro few Englishmen who would not think their eonntry nbsolntely ruined were French wine sohl in England so eheap, and in such abmadance, as to supplant ale and other home-brewed liquors. lhit, wonld we lay aside prejulice, it would not be dillieult to prove that nothing eould be more inmeent, perhaps more advantageous. Eaeh new acre of vineynrd planted in France, in order to supply England with wine, would make it requisite tor the French to take an equivalent in linglish goods, by the sale of which we should be equally benefited.'

In conseduence of the preference so unwisely given to the wines of Portural over those of France-a preference continned, in deliance of every principle of sound policy and common sense, town to 1831 - the imports of French wine were for many years reduced to a more tritle; and notwithatanding their inereased consumption, ocensioned by the reduction of the duties in 18:5, the quantity of all sorts retnined for consumption in 1852 dial not execed 475,948 rallons; while the consumption of lortugnese wines amounted in the same year to $2,489,350$ gallons. This is the most striking example, perhaps, in the history of commeree, of the influence of customs duties in diverting trade into new chmanels, and nlterin; the taste of a people. All but the most opulent classes having been compilled, for a long series of years, either to renonnce red wine, or to use port, the taste for the Intter hal become apparently firmly rooted; the beverage that vas originally, foreed upon us by necessity havinir for a time become congenial from habit. It was expected when the discriminating daty in favour of port was nbolished in 1831 , that the excellence of the French wines would speedily regrain for them a large portion of that favour in the linerlish market which they formerly enjoyed. And this. since our commercial trenty with France enme into operation, has been fully realised. In 1807 there were entered for fome consumption in the United Kingdom, 3,595,598 callons of l'rench wine, while but $2,828,098$ gallons of Portuguese red wine were entered. (See post.)

Mateira, so called from the island of that name, is a wine that las long been in high estimation in this and other countrics. Plants of the vine were conveyed from Crete to Madeira in 1421, and have succeeded extremely well. There is a considerable difference in the flavour and other
yualities of the wines of Malcira; the hest are produced on the wouth side of the island. 'Thourh natural': stromg, they receivo an addition or brnady when rneked from the vessels in which they have been fermented, nud mother portion is thrown in previously to their exportation. 'This is snid to be required to snstain the wine in the hish tempernture to which it is suljected in its phasnge to nud from India and Chime, to which large quantitios of it are sent; it heing foum that it is mellowed, and its ilavour materinily improved by the voyage. It does not, however, neceswarily follow that the wines which have made the lompest voynges are nlways the best. Muel must obvionsly depend on the original quality of the wine; and many of the parcels seleeted to be sont to India nre so inferior, that the wine, when brought to Lomion, does not rank so high as that which has been imported direct. IBut when the pareel sent out has been well chosen, it is very much matured and improved by the voyage; and it not only tictelses a higher price, but is in all respects superior to the direet importations. Dust of the adrentitions spirit is dissipated in the course of the ludian voyrage.

Dadeirn wines may be kept for a very long period. 'Like the ancient vintages of the Surrentine lifls, they are truly firmissima vina, retnining their pualities unimpaired in both extremes of elimate, suffering no deeay; nud constuntly improving as they advnnee in age. Indeed, they cannot be pronomnced in condition until they hase been kept for 10 years in the woonl, and afterwnals allowed to mellow nearly twice that time in bottle; and even then they will harily have reached the utinost perfection of which they are susceptible. When of good gunlity, and mitured as nbove described, they lose all their original harshness, and acquire that agrecable pungeney, that bitter sweetishmess, which was so highly prized iu the ehoicest wines of antiguity; uniting great strength and richness of lavour with an exceedingly fragrant and diffusible aroma. Ihe wutty taste, which is often very marked, is not communieated, as some have imagined. by menns of bitter nlmonds, but is inherent in the wine.' (Henderson, p. 2i3.)
'The wines of Madeira have latterly fallen ino disrepute in England. The growth of the island, when greatest, was very limited, not excceding 20,000 pipes, of whieh a considerable quautity vent to the West Indies and America. Ilener, when Madeira was a fashionable wine in Euslaad, every sort of cleception was practised with respect to it, and large ruantities of spurious trash was disposed of for the gennine vintage of the island. This naturally brought the wine into diseredit; so that sherry has been for severnl vears the finshonable white wine. It is difficult, however, to imagine that alulteration was ever practised to n greater extent npon Madeira than it is now practised upon sherry. It is not, therefore, improbable, that a renction might have taken place in favour of Madeira, had not its growth been nearly extinguished for several years by the vine lisease. Hopes were, however, entertnined in 1868 of the possibility of restoring it to its former productiveness. [Madeina.] The quantity cintered for home consumption in 1827 nmounted to 308,295 gallons, whereas the quantity entered for home consumption in 1867 amounted to ouly 19,538 gallons.

Malmsey, a very rich, Iuscious species of Madeira, is made from grapes grown on rocky grouads, exposed to the fill influence of the sun's rays, and allowed to remnin on the vine till they are overripe.

Mateira ; the beat are e of the island. Though eceive an noldition of n the vessels in whileh , and nother portion is wir expertation. This sustain the wine in the lit is subjeeted in its in nand Chima, to which ent; it being fonnd that our materially improved ot, however, necessarily rhich have mate the s the best. Mueli must original quality of the treels selected to be sent that the wine, when not rauk so high as that direct. But when the well chosen, it is very ed by the voynge; and her price, but is in all rect importations. Mast it is dissipated in the e kept for a very long to vintages of the surtruly firmissima vinu, nnimpaired in both exng no decay, aul conadvance in age. Indeed, d in condition until they cars in the wool, and ellow nearly twice that then they will harilly perfection of which thej good quality, nul mod , they lose all their acquire that agreeable etishness, which was so est wines of antiquity; and richness of Havour ant and ditiusible aroma. 3 often very markel, is me have imagined, ly but is inherent in thic 3.)
ave lntterly fallen imo he growth of the island, limited, not exceeding considerable quantity nad America. Hence, mable wine in England, ; practised with respect of spurious trash was e vintage of the islad. e wine into discredit; for several $y$ ears the It is difficult, howerer, on was ever praetised Iadeira than it is now $t$ is not, therefore, imight have taken place inot its growth been cral years by the vine wever, entertained in of restoring it to its Tadrira. $]^{5}$ The quarconsumption in 1827 ?, whereas the quantity lion in 1867 amounted
ious species of Madcira wn on rocky grounds, e of the sun's rays, and ine till they are over-

The trade in Madeira wine is crarried on at Funchnl, the capitul of the island, in lat. $32^{20} 37^{\prime} \mathrm{N}$., long., 1 17० 6' W. Weights and Densures snme as at Lisbom. The inland is said to have sulferel very severely from the diserse that recently attacliest the vine.

Teneriffe wine-su called trom the island of
 quently substituted in its stead; hat it wants the full boily and rich thwour of the best growths of Maderra.

Gierman Wines.-The wines of Germany imported into lingland are priaripally produced on the lonks of the Rhine and Soselle. The lhine wines eonstitute a distinct order liy themselves. They are drier than tho lirench white wines, and are elaraterised ly a delicate thavour and aromn, which is ullite peeuliar to then, nand of whel it would, therefore, be in vain to attempt the deseription, A notion prevails, that they are naturally acid; and the inferior kinds, no doubt, are so ; but this is not the comstant character of the Bhine wines, which in good years have no pereeprible acidity to the taste, nt lenst not more than is common to them with the growths of warmer regioms. Their chicf distinction is their extreme durability. The wines made in warm dry years ase always in great demand, nad fitch very high prices.
The Johannisberger stands nt the head of the Rhine wines. It has a very choice thavour and perfume, and is characterised by an nlmost totnl want of aeidity. The vineyard is the property of Prince Detternich. The Steinberger tamks next to the dohannisherger. It is the strongest of all the Rhenish wines, and in favourable years hats mueh tlavour nad delicacy.
The produce of eert: inl vineyards on the banks of the Moselle is ot superior quality: The better sorts are elear and dry, with a light pleasunt flavour and high aromn; but they sometimes contraet a slaty taste from the stratia on which they grow. They arrive at maturity in 5 or $f$ years; though, when male in a favourable sensoli, they will keep twice that time, withent experiencing any deterioration. (IIenderson, p. 2etj.) The importntion of lhenish wine las more than doubled in the 10 years down to 1867.
Hungurian Wines.-The finest of all the liquear wines is Tohay, so called from a town in Hungary, near which it is prodnced, on the Theiss, 44 miles N.N.W. Debreczin. It consists of three varieties: viz. the Essence, flowing spontaneonsly from the ripest grapes, and corresponding with the Mustum sponte deffizens antequam colcentur uver of the nneients; the Ausbrach, obtained by pressing the grares with the hand, a small (quantity of good new wine, or must, being at the same time poured jver them; and the Maslas, or inferior variety, produced by pouring a larger quantity of less choiee must over the same berries, nod subjecting them to the nction of the press. Of these varicties the first, which is made onl* in very small (puantitics, is in the highest degree sweet and luscious, and is more sought for as a rarity than as being pleasant to the palate. It is on tho Ausbruch that the reputation of Tokay depends. Mr. Paget says, 'It is sweet, rich, hut not cloying; strong, fullbodied, but mild, bright, and clear; and has a peculin flavour of most expuiste delicacy. 1 never tasted it in perfection but at private tables, and that only twice; 1 could then have willingly confessed it the finest wine in the world.' 'The Maslas, or inferir, variety, is a much thinner wine, rather sweut, with a preponderating flavour of the dried grape. Mr. Paget estimntes the catire produce of the Tokay vineyards in ordinary
years at about 250,000 eimers, of ahout 16 bothes each, The beat Ansbruch is very dear; and but little that is genuine is seen in linghas. (larot's
 Jullisul, 1 . dtic.)
Some other varieties of Lhugarian wines arc now (1869) sold in looulon ; but they have not as ret displaced, to any appreciable extent, the wines to which the Eaglish have long tu (an necustomed.
Italimn Wines.-'The sicilian white wine called Marsaln, from the town (tho ancient lilyhatum) Wheme it is shipperl, and near whiel it is made, is now pretty largely consumed in England; the entries fir home consumption having incrensed
 an extraordinnry increase, partienlarly when it is considered that during the same period the consumption of most sorts of wine had beem nearly stationary, Latterly, however, it lans been rather derlining, though 413,190 gallons of Sicilian wine were entered for consumption in the United Kingidem in 186;7. Marsnla is a dry wine; the best inulities clasely resembling the lighter sorts of Madeira; but the increased denand tor it scems to have been owing as much to its cheapmess ns to any peculinrity of quality. It is, however, when from, an agrecable dinner wine. Marsala has been brought to its present state of perfection nud repute by the care and exertions of two landishmeln, the Sessrs. Woorlhonse, established in Sicily, who have an extensive factory in the meighbonihood of Marsala. The wine is shipped in large quantities tor America; whence a comsiderable guantity is ngain eonreged to the West hadies. where it is not unfrequently disposed of as real Madeirn.
With the exception of Marsala, very little wine either of Sicily or laly is imported into Enghame. The wines of those comstries are, indeed, without, perhaps, a single exception, very inlerior to those of Frathe. The matives bestow no eare npon the culture of the vine ; and theirisnorame, obstimacy, ald want of skill in the prepmation of wine, are said to be almost incredible. In some distriets. as in Taseany and parts of Naples, the art is, no donbt, better understood and practised than in others; the Montrpaleiane of the former, said, by Redi (Bucco in 'Toscanti) to le d' ogni vino il re, and the Lacrima Christi of the latter, being the most celebrated varieties. But the lacrima is better known by name thnn in renlity, it being made in small guantities, nad mostly reserved for royal cellars. (llenderson, p. 2339.) And, despite the superior quality of those now mentioned, had not the Falersian, Cecubnn, and other tamous ancient wines, been incomparably better than the best of those that are at present proluced, they never would have elicited the glowing panegyrics of IIorace.

Wines of Greece and Cyprus.--The soil in most parts of Greece and of the Grecian islands is admirably fitted for the growth of the vine; und, in antiquity, they produced some of the choicest wines. But the rapaeity of the Turks, and the insecurity of person and property that has always prevailed under their miserable Government, has effectually prevented the careful cultivation of the vine; and has occasioned, in many places, its total abandoument. It may, however, be fiirly presumed, now that Grecee has emancipated herself from the iron yoke of her oppressors, that the culture of the vine will attract sone portion of that attention to which it is justly entitled; and that, at no distant period, wine will form an important article of export from Greece. At present (1869) Greek wines are sold in London, but have not as yet found much favour with the Einglish.

Nowhore, ferhan, has the destructive influence of 'Turkish barbarisu and misgovernnumt been so apparent us in Camdia and typus. Whille these two renowned and noble islinds wore possessed by the Venctians, they supplied all Vimepe with tho elobleest dessert wines. lhaeci nillrms, that towarde the end of the lith century, Cundin nent ammally 200,000 casks of malmsey to the dileiatic ; whereas aow-a-days it hardly joroduces suthiciont to supply the wants of its fiew inpowerished inhabitunts. (thenderson, p. 2.fi.) 'The wines of Cyprus, particalarly those produced from the vineyard called the Commandery, trom its lavines belonged to the Kinghts ot Malia, wre still more lighly esteemed than those of Crete. In the enrlier part of last century, the total prodice of the vintare of the dsland was supposed to amount to above $2,000,(0 t 0)$ gallons, of whel nearly $\frac{1}{2}$ was exported; but at present (1869) the wine grown and exprorted does not amount to $\frac{1}{\text { Io }}$ of these quantities. The oppression of wheli they havo been the victims has reduced the peasantry to the extreme of indigence. At this time the population of the island is not supposed to exced 200,000, and small as this mmber is, it is eonstantly diminishing by the inhabitants availing thenselves of every oppercunity of emigrating. (Geog. Dict, art. 'Cyprus.')

Cape Wines,-Of the renaining wines imported into lingland, those of the Cape of Good llope form the largest portion; the quantity entered for home consumption in 1867 being 25,890 imperial gallons, lut the consumption of Cupe wine was formerly more considerable, having amounted in 1827 to 698,434 salluns. The famous Constantia wine is the probluce of two contignous farms of that name, at the hase of Table Mountain, between 8 and 9 miles from Cape Jown. The wine is very rich and luscious ; though, according to llenderson, it yields in point of flavour and aroma to the muscadine wines of Languedoc and Roussillon. But, with this exception, most part of the Cape wines brought to lingland lave an earthy, disagreeable taste, are often acid, want flavour and aroma, and are, in fact, altogether execrable. And yet this trash, being the produce of a British possession, enjoyed till lately peenliar advantages in our markets ; for while the duty on Cape wine was only $2_{s}, 11 d$, per gallon, that on all other wines was $5 s .9 \mathrm{~d}$, 'The consequences of this unjust preterence were doubly mischievous: in the first place, it forced the inportation of an article of which little was directly consumed, but which was extensively employed as a col enient menstrum for alulterating and degrading sherry, Madeira, and other good wines; and, in the second place, it prevented the improvement of the wine; for, while the Legislature thought fit to give a bounty on the importation of soinferior an article, was it to be supposed that the colonists would exert thenselves to produce anything better? It is not easy to imagine a more preposterous and absurd regulation. The Aet enfureing it should have been entitled, an Act for the adulteration of wines in Great l3ritain, and for encouraging the growth ot bad wine in the Caje Colony.

Consnmption of Wine in Great Britain, Duties. - We have repeatedly had necusion, in the course of this work, to call the reader's attention to the injurious operation of unequal nud exorbitant duties. Perhaps, however, the trade in wine has sutlered more from this cause than any other defirtment of commerce. We have nilready endeavoured to point out some of the effiects resulting from the inequality of the duties, or from the preference so long given to the inferior wines of Portugal and Spain over the superior wines of

France. Ihat the exorbiantry of the iluties was, it jossible, stlll more obicectionable than the partial principle on which they were imposed. It apears trim the subjoined table, that during the 9 years ending with 179 t , when the duty on French wines was ls. $10 \mathrm{~d} /$, and on l'ortughese $3 \mathrm{~s} .1 \not 1 / \mathrm{l}$. per iniperial grallon, tho consumption in Great liritain amounted, ut un avirage, to $7, t \geq 2,750$ grallons $a$ year, producing 900,000 , of reverme. It is probahlo, hum the fincrease taken place gradmaly, that these daties might have been grently increased withont any maturial diminution of consmmption. lhat in $1790^{2}$ and $179 \theta^{2}$ they were raised to $10 \mathrm{~s}, 6 \mathrm{~d}$. per gallon on French, and tis, la, per gallon on lortugnese and Spanish wine; und the consequenee of this sudden nud inordinate increase, as exhibitel in the table, was, that the consumption fell fronn nbove $7,000, f 00$ gallons in 1795 to $4,189,710$ gallons in 1594 , and to $5,4-49,710$ in 1797. But this unanswerable demonstration of the ruinons efliet ot heavy and sudden additions to the duties did not prevent them being raised, in 1804, to 13s, 9d, on Freneli, and to $8 s, 10 d$. on l'ortuguese and Spanish wine, They continued at this rate till $18 \mathbf{2}^{5}$; and such was their influence, that notwithstanding tho vast increase of wealth and population since 1790 , and the gencral im provement in the style of living, the total consmmption of wine, during the 3 years curling with 18:2.4, amounted, at an average, to omly $4,8: 7,383$ gallons a-year, being 697,507 gallons under the annual consumption of the 9 years eneling with 1794. It may, therefore be trily suid, makiag allowance for the increase of jopulation, that the consumption of wine in Great liritain fill olf full 50 per cent. between 1790 and 1824 .
( $n$ Mr. Robinson (afterwards Lord lijon) becoming Chancellor of the Exehequer, he resolved upon the ellectual reduction of the wine duties; and took, in 1825 , nearly 50 per cent. from their amount: and notwithstanding the spirit daties were at the same time reduced in a still greater degree, the consmmption of wine in Great britain increased in ordinary years from abont $4.500,000$ to about $6,300,000$ imperial gallons, while there was no loss of revenuc. We are, therefore, justilicd in affirming that this measure was very successfin, and that it alforded a valuable example of the superior productiveness of low duties, An article in the Edinburgh Recieu', No. 80, contributed to bring about this measure. Seo also an excellent tract on the. Wine Trade, by Mr. Warre, published in 18:4.

The duties, as reduced by Mr. Robinson, were 7s. 3d. per imperial gallon on French wines, 4s. 10d, per ditto on all other foreign wines, and $2 s, 5 d$. on those of the Cape of Good Ilope. They continued on this footing till the Equalisation Act (1 \& 2 Wm. IV. c. 30 ), which imposed a duty of Es, 6d. per imperial gallon on ull foreign wines, and 2s. 9 d. on those of the Cape, to which 5 per cent. was added in 18.10 .

But the equalisation effected by this Act should not have been brought about by adiling anything to the daties on port, sherry de., but by reduciag those on French wines to their level. The subjoined tables show that the consumption of wine in the United Kinggom was abont stationary from 1826 to 1831 ; and the addition of $8 d$. per gallon, that was then made to the duties oa all sorts of foreign wine, except French, from which 1s. 9 al. was delucted, appears to have snnsibly allected the consumption of 1832 . Considering, indeed, the increasing wealth and population of the C'nited Kingdom, and the more generally diffused use of wine, the stationary amount of the quantities retained for consumption is not a 1
ury of the dutien wan, iomble tham the partint re imposed. It appears that during the 9 years e duty on lirench wiaes بमuese $3 s, 1 \neq 1$ per inmption in Great ISritnin
 of revemue. It is proell place gradually, that beell qrently increased mution of comsumption. , were raisell to los, Bd. d lis. 1d. per sallon on wine; and the eonsenul inordinate increase, was, that the consump0,900 gallons in 1795 79t, and to $5,4 \cdot 19,710 \mathrm{in}$ arable demmstration of $y$ and sudden additions ent thent locing raised, ench, and to 8 s .10 d . on wine. 'Tluey continued snelt was their intlumer, vast inerease of wealth 10, and the general imof living, the total conthe is years endiug with cerage, to only $4,8=7,383$ 7,507 gallons under the ne 9 years enliug with be truly suid, making of population, that the ireat Britnin fell off fall ) and $18: 24$.
rwards lord Ripon) belixchequer, he resolved tion of the wine duties; 50 per cent. from their amoling the spirit duties dluced in a still greater of wine in Great britain arss from abont $4,500,000$ rinl gallons, while there We are, therefore, justi-- measure was very sucded $n$ valuable example eness of low dutics, An /1 Revicu', No. 80, conthis measure. Seo also 1e. Wine Trade, by Mr.
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feetel by this Aet should pout by adiliug anything rry de., but by reducing their level. The subthe consumptiou of wine 1 was about stationary (a the addition of $8 d$. per de to the dutics on all cept lirench, from which pears to have snusibly n of 1832. Considering, ealth and population of and the more geuerally atationary amount of the nsumption is not a
surprising. A good deal is, we believe, ascribahle to muluteration, and more, probably, to a change of hathits. The duties were, also, perhap, $t 00$ ligh. lhut they were more objectiomable from the mule in which they were nssessed than from their monumt. It is against all primeiple to impose the same dity on lifferior and cheap wines, worth only lof. per hogsilead, as on the choicest llurf umbly and Champagne, worth 60l. or 70h. per hogshend. Its injustice would not be exceended, were thes same duty elarged on small beer that is charged on gin. The etleet of this apparently equal, lout really most mequal dinty, wist to exclude low briced wines from the English markets. Commercinlly spenking, Bordeanx is nearer London than l'aris: and lut fior this system, the cheap wines of the Gironde, Languedoc, and l'rovenee might have been bought here at a less price than in most parts of France. llut, how desirnhle socver, it would bo all but impossible to assess an ad valorem duty on wine. It is freguently no easy matter to distinguish between different descriptlons of wine, and it is still more difllentt to distinguish between different varieties of the same wine, though they may differ preatly in value. There can, in trith, be little doubt that any attempt to lay an al valorem duty on wine would oceasion sueh an amount of frand as would greatly overbalanee any advantage of whieh it might be productive.
In the last wlition of this work the nuthor remarked as follows: 'A propowal has recently been made, which has met with consideruble support, for reducing the duty on all wines to 1s. per gallon. It is contended that a reduetion of this exterat would nut oceasion nuy permanent loss of revenue, inasmuch as it wouli have the effeet, in no very lengthened period, of inereasing the consumption to 5 or 6 times its present amount. But we greatly doubt whether such would be the ense. A reduction of the duty to the extent supposed would not have nuy considerable inthence in reducing the price of tive tiner deseriptions of wine; and it is very questionable whether the inferior and low-priced wines that are now excluded, would, though there were no duty, le very generally introduced into this country. The better opinion secus that beer would conimue, as at present, to be preferred by the bulk of the pepulation; and if so, the measure would have little other influence than to occasion a reduetion of revenue.

- Besides, if the wine daties were reduevl to 1 s . per gallon, and the consumption to increase to the extent that has been anticipated, there would certainly be a serions decline in the consumption of nalt and spirit, and, conseguently, in the revenue derived from them. And to do justice to all parties, to the growers of barley and the distillers, as well as the importers of wine, it would be necessary to make a corresponding reduction in the duties on malt and spirits. Uuless this were done, $n$ reduction of the wine duties to 1s. per gallon would be really equivalent to a bounty or premium on the consumption of wine. But there shonld be no favouritism in taxation; and, however desirnble, the substitution of one sort of stimulus for another is not to be effected ly encroaching on that equality of taxation which should be a fundamental principle in every sound system of tinance.
'Ualess, therefore, seme means be discovered of fairly and cosily assessing the wine dutics on an ad valorem principle, little probably would be gained by disturbing the present arrangement. A reduction of the duties to $3 s$. per gallon, that is, to about $6 d$. per bottle, has been suggested; and if they are to be interfcred with, this would seem to
be the most judicions phan. A daty of this nomont womli not be frlt on the superior wilues; and
 thon of the seromdary prowitis, it would not pive an undue stimulus to the use of wine: Since the above was written, the duties have been reluerel, and in Ixtit; the present rittes were regulated us fullows, wly: :
On wine containiug less than 24 degrees of proof spirit, 1s. per gathon; 6fi and lesw than 12 degrees of prool spirit, 2s. tiel. per fullon! and additional for every untree of strength beyoud the highest alove xpecified, $3 \cdot /$. per tallon.

Consumption of W'ine in Ireltund. Duties.-In 1700, the duties on wine consmmed ir. Ircland were considerably berlow the level of those innposed in Cireat liritain, and the average mamal quantity of all sorts retalned for home consumption in that comintry amonuted to about $1,1 \mathrm{tit}, 000$ imperinl gallons, promuclug uhout 13x,000t, n-year revenuc. Had those to whom the froverment of Ireland was intrusted pussessed any knowledge of the merest dements of thanee, or of the condition of the Irish people, they would not have attempted to add to the puldie revemue by numenting the duties on wine. Owing to the Limited number of the middle classes in Jrelant, in inerease of cluty could not be expecterd to ber productive ; and though it had yielded 00,0001 , or even 100,0010 l., a-year additional revenne, that wonld have been no compensation for the injury it was sure to do in cheeking the diffusion of thut taste for luxuries and enjoyments so essential to the improvement it the people. But those who had to alminister the alhirs of Ireland were insensible tusuch considerations, and never doubted that 2 and 2 make If in the arithuntic of the customs ans well as of Coeker. Such, indeen, was their aluont incredible rapacity, that in the interval between 1791 and 1814, they rused the daty on lremelh wine from
 from 222l. 4s. 81, to !5\%. 11s. This was a much more rapiul increase than had taken place in lingland; and as the comotry was tiar less alile to bear even the same inerease, the conseduences were proportionally miselievous. In 1815, the quantity of wine retained for home consumption in Ireland hat deelined, notwithstanding the population had doubled, to 100,000 i:aperial frallons, or to about half the quantity consumed in 1790; and in 182 , the consumption had fallen to 467,000 gallons, while the revenue only amounted to $18,0,0001$.

The reduction of the duties in 1825 nearly doubled the consumption of wine direetly importel into Irelnad, and added considerably to the revenne; but sinee 1814, when the duties on wine in Grent Britain and Ireland were equalisel, it has not been possible to state the consumption of wine in either with accuraey, on aecount of the transhipments from the former to the latter. It is, however, quite certnin that the consumption of wine in Ireland, partly in consequence of the high duties, nad partly of a change in the mode of living, did not in 1853 amount, as compared with the population, to half its amount in 1790 . In Thom's Irish Almanack for 1869 the consumption in 1790 is stated at $1,117,556$ proof gallons, and that in 1853 at 512,693 gallons, waile in 1865 $i^{4}$ is estimated at 973,901 gallons.

Adulteration of Wine.-We have already alluded to this practice. It was proc uted to a very great extent previously to the reduction of the duties in 1825, and is atill very far from being suprressed. It has been affirmed, but we are inclised to suspect the statement of exaggeration, that at one time more than $a$ third part of all the

II.-Rutes of' Duty prr Gallou on all Wines, sime 16iT, and Differential Duty per Cont, on Freneh and lureign Wines.


For dity alnce INGO see the notem aprendesl to 'I'able I.

III,-Averuge Anual Hevenue from Wine, with the Number of Gullons Consumed, the Populution, and the Coasumption per lindividnal, in the United Kingdem thriny the 6is Yeurs ending with 184!,

| Priod | Averaze of I'eary | Average of Galtona | A werake of Jlevinue | A verage uf Peprulation | Ilothies per Individitul per . Anntain | Wuty on I'nut |  |  | Luty on Prench |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | er thalon | ler l'igu 11.5 tials. | J'er tiallon | Pur lipe II: (iuls. |
| 1:47 to 1790 | 4 | 3, $93.3,180$ | ${ }_{661,0,50}$ | 12,500,000 | 4 (1.10th4 | 5 |  | E to to ${ }^{\text {¢ }}$ |  |  |
| Tivi to 1wn | 11 | $6,513,019$ | 1,118,420 |  | 4 3-10tha |  | 1010611 | - 2710 | 10 2 10  <br> 7 1 10 10 <br> 10 10   |  |
|  | 10 | 6,314,114.3 | 2, 169, 4.73 | $16,54\left(1,9^{\prime \prime}\right.$ | $22^{2}$-1t16is | ${ }^{8}$ | 9 tos 1 | 3) to 52 | (1) 4 to 13. | is to 74 |
|  | 111 | 1,141,139 | 1.971,0935 | 19,701,6i16 | 15.11 Hb | $!$ |  | 34 | $1!9$ \%tol3 ! | 11.5 to in |
| 1syl to 1s.30) | 111 | 5,987,783 | -,9NM, M 66 | \%'9,94,98\% | 1 6.116 hs | , | 1 to 110 | 64 to 2 y | 139 to 7 | 59 to 41 |
| 18.31 to 1810 | 10 | $6,507,18 \times$ $6,144,7!6$ | 1,741,473 | 2, 318,075 |  | ${ }_{3}$ | ${ }_{4}^{5 t u 5} 0$ | 321003 | $5{ }^{5} \mathrm{fito} 039$ | 321033 |
|  | 3 |  | $1,715,314$ $1,776,265$ | $27,939, N 810$ $49,059, \times 711$ | ${ }_{\text {c }}^{\text {c }}$ 3-16hhs |  |  | 313 | 5 \% |  |
| -1x19 | 1 |  | 1,767,516 | 29,105, 42\% | 12.110 |  |  | 3.3 | 8 \% | 5.5 |
| INfil | 1 | 10,61! ${ }^{13,117}$ | 1,201,6!6 | 26,971.364 | $y$ y-10ths | ) |  |  |  |  |
| iwiz | 1 | 13,732,424 | 1,12i,604 | 30,157,165 | 8 7-11111* | , |  | notes appe | nded to Tablo 1. |  |

1V-Aecount of the Quantities of the Ditferent I'arietics of Wine Iuportrd and Retained for Home Consumption in the Unitrel Kinglım in 180ī.

| From | Imprort |  |  | Entriex for Consungiton |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | White Whas | Hedl Wine | 'rotal | White Wine | Red Wine | Total |
| dure of Jiritich Josseasions: | gallons | callons | gatlou* | gallons | gallons | gaituns |
| Nouth Africs - | 4,721 | 1,7.16 | 9,350 | 20,321 |  | \% $5,4.90$ |
| Australia | 11, 53.3 | 3,101 | 21,115 | 13, 3131 | 3,299 | : $1 \mathrm{~N}, \mathrm{~N}, \mathrm{~m}$ |
| (iluer liritish lossenslons | $39,63^{\circ}$ | 81,148 | 61,193 | 2:1,118 | $43^{3}, 942$ | -49,0:8 |
| Proluce of Fordign Consiries: | 1,074,4.31 |  | 3,771,501 | 990.\%07 | 2, $2011,8!1$ | 3,693, 298 |
| Prartogal | -78,8.32 | 2, wid, ${ }^{\text {a }}$ | 2,741,954 | 4!2,19! |  |  |
| Spain. | 6,134,175 | 1,196.7.14 | 7,3,11, 11.6 | 5,111, $1,1.3$ | 651.246 | 3, $564,3,59$ |
| Mladeira | 19,319 | (16. 2.36 | - 19, 1958 | 19, 13.38 | ${ }^{26 i f}$ | 19, 814 |
| llatan! - | 345.096 | 26,743 | -421,789 | 398,491 | 81.4 .78 | 416,729 |
| I'mary 1/ands - | 20,116 | $1{ }^{1 i t}$ | 20.107 | 1,263 | 46 | 1,3,34 |
| It.ty, Sictly - | 115,497 | 1,4,35 | 950,N4 | 413.190 | 4,717 | 417.907 |
| tierioany | 3131,147 | 80, 214 | 431, ${ }^{1} 89$ |  | 87,412 | $369,4 \mathrm{~Hz}$ |
| Other parts - | 1110,3411 | -17,36i4 | 117.85 | *1,671 | 33,211 | 114, $\times \times 5$ |
| Total import |  | $6,752,163$ | 15,418,541 | 7, 154,746 | 6,297,708 | 13,752,4 4 N |

V,-Aecount of the Price of Wine in Boml in London, December 2, 1868, from the Cirenlar of the eminent Brokers Messrs. Mutthew Clurk of Sons.

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 atherded were they fomines．Mr．Fildemand Willinuts，in hiv puriphlet inn the W＂ine Trwas


The inerense of the datios in the raghes af



 duthes，but will comtimue sol lomg ins the matorinls axad la mhaterention are chenger than the wines，



 In 1sMi；．

 in the trade，to whom a repnention for sellime Guml wine is of ten times bure limportaney than menthing they eonld axpeet to make ly mink－ tration．

Michaseres－Deroriling lo lla aystemt of whe mensures that prevailed down to iseth，the gathon





 that the（ierce an：is）（very numbly）impurinl gal－ lons：the puncheon $=711$（very nenty）ditto；the loggshend 5028 （vry marly）litto；tho pine or
 （very menrly）dith．［Wivacime st＇ins．s．］

A very preat quantity of wine j ．
ME： cobsimer in

H14 consmand in dozens；binely minere intered，than is sold in nuy other way ；mul yot there is ourebn－ bation as to the xiza of bothen－a defeet which has orerasiomed agreat deal of abomes．No ane domits tho propricty of makine nil galloms， hushels，\＆e：uf the same capacily；mal why should not similar rerulations lwe embereal in the case of mensures so mineresally used ans bothon？

No abatement of duties male on mecomat of nuy
 ＊． 110 ．）

W＇ime for Offirers of Napy－－Fior the qumatity of duty－firee whe to he allowed to allicere of the nave，ind the regulations muder which it is to be nllowed，wee ante，Innontation and Exbones． rows，and for similar allowneses for the merchant eervied，nee Stumas．

Rrgnlations as to Mixing，Bothiny sor．in Wart－ houses．－It slath he lawfill，with the nanetion of the commissioners of customs，and after matice fiven by the respertive inporters or proprietors． to draw off any wine or nony spirits into reputed guart or pint liot tles for cxportation only ；nat to draw of and mix brumy with any wine，not ex－ cceding the propertion of 10 gallons brumdy to 100 gallons wine；and also to till up any casks of wine or spirits from any other casks of the same respectively secured in the anme warehonse；mul alme to rack off nay wine from the lees，and mix any wines of the same sort，erasing from the cask all import brands，miless the whole of the wine so mixed be of the same hrand；and also to take such samples as may le allowed by tie commis－ sioners of customs，with or without entry；and with or without payment of duty，except ns the same may eventually become puyable as on a deticiency of the original quantity．（ 16 \＆ 17 Vict．
©． 110 in．（10in．）dieroplign may bue mixed with



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 rowt，ald sumooth brumelyy stello，rising from it（1） 5）feet in lwight．Woait is liniligromens to munt
 a vary remuta periont，down la the ginnrul intro－ durtion of imdign，in the ciyaing of blue I Isestill cultivate 10 a comsiderible extente in Prames； but in this comonry its cullowntion is chindly res－ atricted Io an bow districts in Dinaolishlires．Aftar lwing bruised by machinery．to exproses the： watery part，it is formed luto falls，whichl liement mul fill into a lry powder，whith is mold to the deyr．W＇ond is niov arddem，employed willount a mixture＂f implifor，By itself，it is incupable of siving a liright and deres hine colour：but the collour which it dests pive is vary curnble．The Insat methanla of comblacting the fiermentution and prepmration of womd ure still so wary ill underatox that the goomloness of＂uny pareed of it can suever be ascertanined till it he netmally used；so that it lats the disadvantage of being purelonsed mider the grentest meertninty in to ita trae valure At the proper nge，imigo plants yided abont ：lot titnew as tmush colouring matter，imul of＂t lir supperior quality，ay an equal weight of woml；no that there is no prosprect that my improvernent that may be male in its prepmration will ever romer it cither in goodness or chempess，a rivnl of the former．（Lombon＇s Lincy．of Ayrieulture；Bancruit On Colours，vol．i．p．1ii7．）We have previously ［Iviond fiven somis account of the elforts male ly the woal growers to prevent the ase of indigo． W0th）．［＇Tmamar．］
WOOL．（Ger．wollo；Duteh，wol；Dmu．uld； Swedish，ull；Fr，Iaine，1t：！．nue？Span．ham； l＇ort．làn；Russ．wolna，selierst；Pol．welast； I．at．Ima）． $\boldsymbol{A}$ kiad of soft hair or down．The term is not very well selined．It is applied both to the fine hair of mimals，as sheep，rablits，some upecies of goants，the vicuna \＆e，and to fine vegetable fibres，as cotton．In this article，how－ ever，we refer only to the wool of sheep－an article which has continued，from the earliest period down to the present day，to be of primary importance，having always formed the principil part of the clothing of mankind in most temperate reglons．

Species of Wool，－It has been customary in

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Runntifirs of If'inn in thr * "f' the I'mited R'imulown
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 er, intel of it far stmperior weight of wond; so that liat miy inurovement that purntion will ever reuler it chenjmess, a rival of the cy, of Afyriwhture; liancroft |ii7.) We lave previounly ccoount of the elforts made a jrevent the une of indigo.

Ditell, wol; Dan, uld; ue, Jt:a!. nul! Span, lama; na, seherst; Jol, welna; of soft hair or down. The leflued. It is applial both vals, as shecp, rallitits, some vicman de, and to fine ton. In this article, howo the wool of sheep-an itinued, from the earliest sent day, to be of primary ways formed the principal mankind in most temperate

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 chere in the valane of 2 gineres of eloth mata of 2
 for its maftuess nad the ofler for the opjomile quality, is such, that, with the same proceses :mal "xjubise of manalacture, the once will be worth from th to es per cent. mure tian the oflere. Mr. liakewd whowed that the digree of roftuess depurnds prineijully on the mathre of the soil on which wheep now ferl: that whep pastured on chalk dispricts, or lifht calcaremons miils, usually promere hirel wool: while the wool of those thit are parafurell on ribls, lamy, argillatecoums voils, is aloust distimpuislued by itw moftuess, Of the $f$ rijgu wools, the Saxom is generally sufter than the Enanish. Jard woris are all defective in their filting jirnierties.

In clothing weol, the eolour of the flecee shonlal

















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 lomer combing than in elothimer wasi, provitud it bue free from kres hairs, Sumbinns, hownerg, the
 stair, whish is a marr indie:alon that the wool is
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'The Norima ar Spanish lared af shorel was

 lhis lmesel, which was fors neveral ? (ears a very Lreat lasourite. Ihat it has ber in ascerfanaed that, thongh the there does not muels deprenerite here, the carease, whish is maturally ill formed, and athorid eromparativaly little weight of ancat, iloes now improve: and as the liarmar, in the lifind of
 prochee of wowl, but also to the: butcher market, he lian fomme it his interent rather to retarn to the native brieds of his own comntry, null lutive up the Spanish sheep. I'ley latio, howerar, been of consilerable service to the thoks of lingland; havine lomen julicionsly crossald will the sonthdown, liyclaid de.

Jetcriorution or Change in the Chumeter of
 $\overline{5}$
tablished, hy the evidence taken before the IIonse of Lords in 1828, and other nuthorities, that a considerable deterioration, or rather, perhaps, chaspe, had taken place in the quality of British wool, particularly during the 30 preceding years. The frent object of the ag:ienlturist has been to increase the wright ot the earease and the quantity of the wool ; and it seems very diflicult, if not quite inpossible, to accomplish this without injuring the tineness of the Heece. Mr. Culley said, that the Ilereforlshire sheep, that produce the finest wool, are kept lean, and yiekl 1 it lh. each; he mided, " if they be better kept, they grow large and produce more wool, but of an inferior quality.' This would seem to be universally true. The great extension of the turnip hasbandry, and the general introbuction of a larger lereed of sheep, appear, in every instance, to have lessened the value of the fleece. Speaking of the Norfolk flecees, Mr. Fison, a wool sorter, said, that 25 years aro the weight was $2 \frac{1}{2}$ lle a tlecee, and that now it is 3 lb . or 3 l lb . (Reprort, p. $3 \overline{5} 6$.) But according to a table furnished by the same gentleman, containing the results of his experience, it appeared that of 15 tods, or 420 lb , of elothing wool grown in Norfolk in $1790,200 \mathrm{lb}$. were prime, while, in 1828, the samfe quantity of Norfolk wool only yielded 14 lb . prime. (Ibid. p. 207.) 'lhe statements of other witnesses were to the samo effect, (Ibial. pp. 388, 6.10, and 6.4.) According to the estimate in Mr. Luceock's Treatise on English Wool, which has always enjoyed the highest reputation, the produce of all sorts of wool in England, in 1800 , was $38 \pm, 000$ packs, of 240 lb , a pack. But Mr. Hubbard, a very intelligent and extensive wool-stapler at Leeds, has shown that, supposing Mr. Luecock's estimate of the number of sheep to be correct, the quantity of wool produced in 1828 could not, owing to the greater weight of the fleece, be estimated at less than 463,169 paeks; and it is now ( 1869 ) believed to amomnt to more than 500,000 packs. It is, therefore, probable, notwithstanding the decline in the price of wool, that, taking into accomit the preater weight of the carcase, and the greater weight of the flecee, sheep produce more at preseat to the farmer than at any former period.

Number of Sheep in Great Britnin.-It was not possible till the publication of the statistics of agriculture collected by Government to form any aceurate estimate either of the mumber of sheepor of the quantity of wool anmally prodnced. With the exception of Mr. Lurcoek's, most of the statements iut forth with respect to both these points were much exaggerated. But Mr. L.'s estimate, which was eonsiderably under any that had previously appeared, was drawn up with great care; and, as will be seen, approached near to accuracy. According to Mr. Lanceock, the

Nninber of long-woolled slueep In lingland
dind Wialf', in 1800 was -
'I'otal mumber shorn $\qquad$
$4,153,3108$
$14,454,499$
$19,007,607$

Aceording to the Government returns, the number in England and Wales in 1868 was $23,595,289$.

During the last half century a very decided increase has taken place in the number of sheep in Seotlind, and a very preat improvement in the breed, particularly in the llightands. In this district, many of the proprietors have let their estates in large farms to store farmers, who have introduced the Cheviot breed of sheep, instead of the small black-faced heath breed that was formerly the only one to be met with. We may remark, by the way, that a good deal of ummerited odium has attached to the patrons of this system; for, thourh it be true that, in a few instances, the
peasimtry were rudely ejeeted from their little possessions, there can be no doubt that it. las, on the whole, been decidedly advantageons. Benides rendering large tracts of country more voltable to the proprietors and the public generally, the condition and habits of the peasantry have been materially improved. Instead of loitering away more than half their time, as was their former practice, they have now either become the servants of the large farmers, or have resorted to towns and villages, and been metamorphowed into industrious tradesmen, tlshermen de. A very small proportion of the whole has emigrated; anil the comintry is more populous at present than before the sheep farming system began.

In the General Report of Scotlund, 181. (vol, iii. Appen, p, 6), the number of sheep is cstimated at $2,850,000$; but according to the censis for 1868 , the number was $7,112,112$. And in consequence of the rapit extension of the practice of turnip-feeding, both the weight of the carcase and of the fleee have been largely incrensed.

According to Mr. Wakefield, there was not a single tloek of breeding sheep in the whole province of Ulster. (Acconnt of Ireland, 1812 , vol, i . p. 3.41.) But according to the latest agricultural statisties, the whole number of sheep in Ireland in 1868 was $4,822,444$.

The totnl number of sheep in Grent Britain and Ircland, and including the Isle of Man and Clannel Ishands, in 1868, was $35,607,812$. This number, though above the average, is more than $t, 000,000$ under that given by Dr. Colquhoun for 1812 ; lut that learned person assigns no grounds whatever for fis estimate, which is utterly inconsistent with all the really authentic information on the subject. It is curions enongh to observe the German statistical writers referring to Colquhoun'sstatenients, as if they were of standard authority. They would te about as near the mark, were they to quote the Arabicu Nights in proof of any disputed historical fact.

N.B. -The wool from slanghtered sheep and carrion not mentioned in this table; but allowed for above.

British Trade in Wool.-From 1660 town to 1825, the export of wool was strietly prohibited. A notion grew up towarts the end of the lithand continued to gain gre and during the itrst half of last century, that the wool of England was: पperior to that of every other country; that lonit wool could not be produced anywhere clse; and that if
cjected from their little no doubt that it has, on valvantageous. Besites country nore vuluable to public generally, the conpeasantry have been mateat of loitering away ime, as was their fomer low either become the mers, or have resorted to been metamorphosed into tishermen \&e. A very vhole has emigratel ; anil opulons at present than ; system began.
't of Scotlund, 1814 (vol. nber of sheep is estimated orcling to the census tor 7,112,112. And in collxtension of the practice of weight of the carcase and argely increased. akefieht, there was not a $r$ sheep in the whole pronut of Ireland, $181 ?$, vol. i. to the latest agricultural nber of sheep in Iroland in
sheep in Great Britain and he Isle of Mas mul Chamel $35,607,81 \%$. This number, are, is more than $6,000,000$ Colquhom for 1812 ; but signs no grounds whatever is utterly inconsistent with information on the subjeet. observe the German stato Colquhoun's statements, standard authority. They ar the mark, were they to aghts in proof of any dis-

|  | $\begin{aligned} & 19,1,175 \\ & 131,791 \end{aligned}$ |  |
| :---: | :---: | :---: |
|  | 3as, 263 |  |
| lambs' wool 56,703 |  |  |
|  | 383,974 |  |
| ded In the |  | , |
| 48 | 6, $6,9,453$ |  |
|  | 46i3,179 |  |
| $: \quad:$ | 193.175 |  |
| - | $\frac{120,605}{72,520}$ |  |
| - | - 120.6015 |  |
| - - | 26,3,817 |  |
| lambs' wool | $588,512 / 2$ 69.403 |  |
|  | $\begin{array}{r} 453,9107 \\ 9,262 \end{array}$ |  |
|  | 4ti:3,169 |  |
| $:$ | - 131,791 |  |
| $\cdots \quad$ | - $263,3,47$ |  |
| e - | - 132,0103 |  |
| vool : | - 193, 13.15 |  |
| vool - | - 131,-73 | 325,269 |
| $\begin{aligned} & \text { vool } \\ & \text { vool } \end{aligned}$ | $=\begin{aligned} & 120,6,5,5 \\ & \hline 2 \dot{3}, 8,517 \end{aligned}$ |  |
|  |  | 344,03 |
|  |  | $51,2,3 \text { leece }$ |
| herease | . | 6193 |

om slanghtered sheep and lin this table; but allowed

Yool-From 1660 wown to ool was strictly prohibited, urds the end of the lith ind ind during the itrst half of rool of England was a lperior or country; that loner wool anywhere clse; aud that if

Namber of Sherp ated Qumatity of Sheqp's Wiol produced in Eingland, urcoving to . Mr. Luccock's Tables, revised by Mr. Mublood, aud mate applicable to 1ses.

we succeded in kecping the row material at lome, dieated; and eren this, w will be observed, applied we should infallibly eommand the market of the only to a small proportion of the whole wool proworld for our woollen manufactures. In consequence, inuumerable statutes were pissed, the eanctments in some of whieh were the most arbitrary and severe that ean be imagined, to prevent the clandestino exportation of wool. Mr. John Smith was one of the tirst who, in his excellent work, entitled Memoirs of Waol, exposed the injustice and absurdity of this system, by proving that whatever advantages the manufacturers might gain by preventing the exportation of wool, were more tham lost by the agriculturalists. This learned and aceurate work contains a great deal of information with respect to the progress of manufactures and commerce in England. Isut despite Mr. Smith's reasonines', which were enforeed by many later writers, and whicls experience had proved to be in all respects accurate, the prohibition of the exportation of wool was continned till 1825, when Mr. Huskisson happily succeeded in procuring the abolition of this miserable remnant of a barbarous policy. The improvement of machinery, by enabling short or clothing wool to be applied to most of those purjoses for which long or combing wool had been exelusively appropriated, hat annilitiated the only apparently tenable argument on which the prohibition of exportation had ever been vin-
luced in lenglant.
Down to 180:, the importation of foreign wool intu (Ireat l3ritain lad been quite tree ; and, being the raw material of an important mamufacture, the poliey of allowing it to be impurted tree of duty is obvious. In $180 \cdot$, however, a duty of 5 s .3 ar . jer cwt. was laid on all foreign woul imported. In 1813 this duty was raised to 6s. sil ; innd in 1819 Mr. Vansittart raised it to the enormous amount of $56 s$ s. per ewt., or to $6 \boldsymbol{l}$. per lb. ILad Euslish wool sufficed for all the purposes of the manufacture, such a duty would have been less objeetinnable; but the very reverse was the case. The use of foreign wool had become, owing to the deterioration, or rather, perhaps, to the ehange in the character, of British wool, and other circumstances, quite indispensable to the prosecution of the manutacture; and as our superiority over the toreigner in several departments of the trade was by no means decided, it is plain that the imposition of a duty whieh amounted to about 00 per cent. upon the price of a considerable quantity of the wool we were obliged to import mast, had it been persevered in, luve ruined the mamalacture. It oceasioned, indeed, duriug the period of its continuance, a considerable tecline of the exports of woollens, aud was productive of other mischievous

5 F 2
effecta, from whieh the manufacture suffered for a impenta amometed to wear $0,000,000 \mathrm{lb}$. ; and they considerable period after it wis repeabed.
The evidence ns to the absohte neressity of emplowing fureign wool, taken hefore the loirds' committer, was as derivive as can well he imatginel. Mr. Gintt of Leeds, ine of the most extensive and hest intarmed manutacturers in the empire, stated to the committec that, in his own warks, he: used only foreign wool. On leing asked whether he conld carry on an export trade to the same extent as at the then present time, if he manufactured his cloth of British wool, Mr. diott replied that in cortain descriptions of cloth 'hes remeth not mothe un artiche thut nemblat hererrhantable: at afl for the" foreign murkit. or ceron for the home market, cervept of firevi!g wool.'
The wirw talien lyy Mr. dintt of the effeet of the importation of foreign wowl on the priee of Iritish wool was sulpurted tey the romeurrent testimony of all the mantacturing witnesses examined liy the comaniter. Blankets, thamels of all sorts, baizes, carpets, hataskins \&e are made pincipally: of bimglish woul; and the command of foreign woil enables the manfacturers to use a comsilarable quantity of English wool in the manfacture of certnin descriptions of, eloth, which, if made cutirely of it, womb be quite unsaleable. On Mlr. Gooimm, a wool-stapler of Leeds, heings isked whether, if a duty were laid on forcign wool, it would foree the use of Euglish weol in the manufacture of cloths, from which it was exchuded, he answered, "Certainly not: we could not got people to vear suchin $\mathfrak{a}$ eloth; they wint a better, finer eloth; it is so much handsomer in its wear, and so much more durable.' (lipeort, p. 211.) Mr. Francis, of Heyteshury, decelarel that there was no demand fir cloth made wholly of British wool; that it was prinejpally applicable to the manufacture of blankets, bitizes Se. ; and that the exclusion of furcign wen! would only injure the mamuficture without rilising the price of British wool. (1. elis.) statements to the same efleme were made ly Mr. Webb ( $\mathrm{p}, 2 \mathrm{a} 0$ ), Mr, Sheppurd (p. 294), Mr. Ircland (p. 319), and, in short, b. every one of the witnesses comersant with the mannfacture.
The history of the manufacture sinee 18.8 has completely combirmed the accuracy of the statements made by Mr. Gott and the other witnesses. Very large quantities of foreign worl have been imported during the interval: but the price of British wool has, notwithstanding. manamanel its. proper level; and has, in fact, heen at an averate considerably higher sine the reduction and abolition of the duty on foreign wool than previously:
 great change has taken place, willin the course of the present contury, both as respects the quantity of foreign wool impurted, and the eomentries whence it is derived. l'revionsly to 1800 om average imports of woul did not mach exceed 3,000, ,um) lb., mostly breusht frem Spain, the wool of whishs long manitained a high character. In 180 ) onr
lave since gome of gradually incrasing, till in 1xis they ammuted to $290,2,2-1,167 \mathrm{lb}$. Instead, however, if being prineipally dreved from spain, as was the ense down to 181.i, the preater purt hy far of this immense supply of forcign wool is at presemt lerrisised by our An cralian and Nouth Africm colomias, the Somth Amorimm States, and the lant ladies. The bate kinge of Sixnly, when Filector, introduced the breed of Merina sliepp into his dominions, and exerted limself to promote the growilh of this valuable race of amimals. Ilis praisewortly ellorts hawe hern crownel with the most signal shecess, The Merino sheperem to succed better in Saxomy and other dirman states them in Smain, amb have increasal sw rapidly that the Simish wool trade hats loecome insignificant conmared with that of Ciermang. The impurtations of derman woul were quite tritling during the war-amounting in $181 ? 2$ to only $2 x$ lh.; but sinee the peace thry have incrased hevind all precedent. In $1 \times 1.1$ thes anoment to

 locing a vear of overtrading, they ileclined in IK:20 to $16,-15,232 \mathrm{lh}$. Sulisequently they recovered frem this derression, and in 1836 amometel to 31, tific,19.' 16 . They have sinee, however, sumk very rapidla; principally in consecpuence of the fuichly increasin:- imports of colomial wool.

The re-exports of forcirg wool nomounted in
 amounted to ! $14.8: 12,581 \mathrm{lb}$., but that was much ahove the averare.
The prive of Coloniul Hool in Lomdon in April is69 ras as fillows, viz: :-


The breed of sheep, that wes carried out to New South Wales and Vmi Diemen's Land has suceceded remarkally well ; and Australia is already. perhaps, the prineipal wool-growing comatry of the world. The imports into Great lhitain have inereased with extraordinary rinititite. In 1833 they amounted to $0,516,869316$. , ii 1839 to $10.128,7 \pi t \mathrm{lb} .$, in $18,5 \mathrm{~s}$ to $51,10.1,6 \% 0 \mathrm{Ib}$., and in 18157 to $133.10 x, 176 \mathrm{lb}$. The imports of wool from ludia oulv becrmin 1893 , when ther amounted to the inconsilerable quantity of $3 . \operatorname{tiz} \mathrm{lb}$. bat suela has been their increase in the interval, that in 1858 they amomed to 17,$5 ; 3,3,50{ }^{-} \mathrm{M}$., and in $1 \times 6$ to $15,23: 1,1 ; 20 \mathrm{db}$. Of late years liusia has
Accomnt of the Trihues of Wrollen aul Worsted Goods and Jitru Baported in diffirent Lears


| Yeats | Sampintured |
| :---: | :---: |
|  | 2 |
|  |  |
| 1if1\% |  |
| $1: 51$ | 4,320, (M61 |
| 12 tan | 6,45-..mm |
| 1751 | 4,113, 1 (16) |
| 1-591 | $2.549,10 \cdot 7$ |
| 1:194 | ¢, 19 10.016 |
| 1 (14) | fi, 917 , ${ }^{\text {(11) }}$ |


| Wrollin and Wurstul Inrn | Tutal Woollen and W'orstell fixperts |
| :---: | :---: |
| $\pm$ | ¢ |
|  | Offlelal value. 2, 12: |
| $\because$ |  |
| $\because$ | 4,300, |
| - | 4,115, (1) |
| - |  |
| $\cdots$ | \%,1610, 1100 |
| . | 6, 117 , (60) |



| Winnllan and Worsivel Varn | Total 19'oulien anal 1 l usted finhris |
| :---: | :---: |
| $\stackrel{\text { 2 }}{ }$ | $\underbrace{£}_{1}$ |
|  |  |
| 129.430 | $4,51,4010$ |
| 436000 | $6, \mathrm{smo}$ |
| 1,4:11,4117 | 10,106 |
| S, $81.7,1$ \% | If,ma, 14 |

9,000,000 lb. ; ant they lumlly incroasing, till in $230,4 \cdot-1,-11 ; 7 \mathrm{lb}$. Instent, ally derived from spaill, 181.t, the ereater purt by fly of forcign wool is at r Ats , rulinu and South ith Ameribm States, mul te King of Saxomy, when real of Merino sheep into rtel himself to promote ble race of amimals. llis e heen crowned with the lie Morimosimep seem to - and other (broman states we increased so rapidly trade has beemme insigthat of Cammans. The wool were quite tritliner sting in 1812 to onlves a they have inerased be1xil they amomated to they were $\overline{5}, 118.112 \mathrm{lb}$; 2s. 799, (ibil lb.; but this ruliner, they aloclinel in Subsequently they reciression, sul in 1836 llb. 'They have sinec, pidle, prineipally in eondy increasin: ingorts of
riugn wool amounted in In $18 t i 7$ the re-expurts I lb., but that was much

Wron in Lomdhn in April fillouss, ciz,:

hat wes carried out to New - Diemen's Lant has sucHI ; and Anstralia is already, wool-growing conatry of ts into (ireat Britain linve relinary rapility. In 1838 , $51(6,869)$ lb., in 1839 to s to $51,104,5180 \mathrm{lb} .$, annl in (1b. The imports of wool is 1893, whenther amounted fuantity of s.sits lb . ; but crease in the interval, that al to 17, ,anlu,iot $\quad \mathrm{ll}$. , and in

Of late years liussia has
cxportrel in diffirent Itars Patrl. Papersi.)

 Ahokition, the Qmantitic's Imperted, cuml the 'rices af' southilourn und Kind Sony II 'oul, is each liar from IxIs tor lslis,

 rlaviar, pirr Park of 210 lb .

 dom fiom Jurious Countrios during earh Fen from islt to 1 stio, speciging the C'muntries from zehich it cann, amd the Quantities bronght from curh.

| Years | Spain |  | $\begin{aligned} & \text { Othe } \\ & \text { Einutries } \\ & \text { nit } \\ & \text { Enrope } \end{aligned}$ | Ilritioh J'meswinns b, wush difica | Hritioh l'oneosuons IIt the Eave Indies |  | Nants Amarica | Ohier Combities | 'outal |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1811 | $\mathrm{lb}_{3}^{16}$ | $\frac{16}{21,517,641}$ | $\stackrel{115}{1, .31 ;, 007}$ | $\stackrel{\mathrm{lb}}{2.197}$ | ${ }^{16}$ | $\begin{aligned} & 16 \\ & 1:, 411 \\ & \hline 1018 \end{aligned}$ |  | 1,.7119.8.71 | 6,5, ${ }^{16} 16.761$ |
| 1815 | 1, \%1, in | 18,141,i,3ij |  | $5 \times 14$ |  | 20,1者, i17 |  | $1,315,11!$ |  |
| 1816 | 1,110, 101 ! |  | 11,3.3., 181 | 2.4以,177 | 1, mim, Sil | $21.80,316$ | 4, 51u, | C, 101, 1685 |  |
| 1817 | 124, $1+11$ | [2, 323, 41] |  | E, 17, 3 ? | -1, 17.1 , 11? | 26, 10, in, N15 | 7, 29, 3 , m | 1,665, ${ }^{1}$ (1) | 64\%59 |
| 1848 | lutionios | 11, 129,161 | -1,021,11) $\mathbf{X}^{1}$ |  | 6, 4178.433 | 31, 1131,518 | x, 81,211 | 421.187 | 70.861 .447 |
| 1519 | 122, in9 | 12, ${ }^{2}$, 11,011 | 11, 1 9, 3.91 | 6, ${ }^{\text {a }}$, 19 | 1,152,503 | 359\%, ${ }^{\text {a }}$ | 1, 1141,120 | 1, 1611,679 | 76,itix, 617 |
| 15801 | \$ $11,7.51$ | 9, 1 titi, 3 , 51 | N,0.3.2.2 | S, 119 , 5 ¢ | . $1,173 \%$ \% | 31, 214.221 | S, 29.6 | 2, 14, 991 | -1, 766,764 |
| 18.51 |  | 6,21!, 2319 | 11,46,5,156 |  | 4, 59, 530 | $11.516,117$ | 1, 5 20, 11.14 | 3, 12010,157 | $83,511,975$ |
| 1852 | 2.fi, 11.3 | 4, 6 (6, 25 5 | 17,582, 110 | G, $5 \times 5,019$ | $7,980.741$ | $4.3,192,711$ | 4,2) 2 ,ixy | 5. | 93, $3_{1} \mathbf{- 1 1 , 1 5 8}$ |
| 18.50 | 151,116 | 11 Sisl.sin | 2ti, sti, itit | 7,421.148 | 12, 1081, $\mathbf{H}_{69}$ |  | !, $010,0.31$ | 4,307,97x | 119, 216,119 |
| 1851 | 424.364 | 11, 114,518 | 11,151,143 | 8,4 63,514 | 11,mos, $1: 1$ | $47,189,630$ | 6, 1.11, 7.31 | $2,10+121$ | 1166,141.993 |
| 18.5 18.56 | $64,7.80$ 5.690 | $6,168,424$ $8,6 \times 8,781$ | $8,119,194$ $11.180,469$ | 11,48,96is | 11,24.,935 | 43, 112,764 54032159 |  | 3,37.5,114 | 939, $3(14), 5485$ |
| 18.56 1837 |  | $8,687.751$ $6,19 \times 9,1712$ | $11.680,469$ $2,412,>20$ | $11,715,148$ $11,2 \times 7,228$ |  |  | 8, $17.46,517$ | 3.167, 15814 | $1110,211,592$ $120,79,898$ |
| 1837 1858 | 313,238 |  |  | $16,2 \times 7,588$ $16,213,31$ | $19,810,41$ $1-73,307$ |  |  |  | $141,719,898$ $126,758.2$ |
| 18.54 | 1.73 \%sis | 13, $19.40,5,57$ | 18, 400,273 | 11,9649, 317 | $11,3 i s, 1,5$ | 55, 5000,151 | $9.711,176$ | 2,6illi, 5.71 | $13.3,2 \times 1,1531$ |
| 1880 | 1, $111 \times 1,227$ | 18, Lin, 483 | 17,1.51,601 | 16,971,315 | 20,21,18, | 61, $16.5,933$ | X. 594.911 | $6,4.20{ }^{\text {a }}$, 61 | 118,314i,577 |
| 1861 | $6 \times 14.54$ | 4,1'4, xit |  |  | [! 17 161, 41 |  | 12,3.39,131 | 5,661, 716 | 117,1: 817 |
| 1864 | 34. 6.619 |  |  | 1x,9 10,546 | 17,959,311 | 71,31\%, 1992 | $12,3,50,6116$ | 11, 1079.917 | 171,913,172 |
| 186.5 | 2.36, 11. |  |  | 911, 16i6, 217 | 90, $0^{2} 11,111$ | \% $7,17.7,164$ | 18, $1: 1,501$ | 11,04, ${ }^{\text {a }} 1011$ | 17,337,642 |
| 1884 | 712, 141 | $11.265,026$ | 9i, 119,ixt | $14,541,516$ |  | 91, 1732,$1 ; 4$ | 1?, $23.39,97$ | $11,510,411$ | 246, 17,3,91; |
| 186.5 | 115,011 | 8,951596 | 21, $0^{2} \times 2.926$ | $29,2914,343$ | 17, $10.9,617$ | 109,351, 261 | 17, +18,186 | 7,314,548 | 412, 218078 |
| 1865 1867 | 12.0168 4910,019 | $12,4814,164$ $4,185,17$ |  | $29.2(4$, $36,110,199$ |  |  |  |  |  |


become of primary importance anong the woulexporting commes, especially from her purts on the llatack sea, We said in a previons edition that provided trangullity were maintained in South Atrica, the probability was that it wouldin no very lengthened period rival New south Wales as a wool-exporting comutry. This anticipation has been more than realisel, the imports havine increased from $2.197,143 \mathrm{lb}$, in 1811 , to $: 36,170,099$ lb. in 18ibi, while the imports of wool from New South Wales in $186 i 7$ were $3: 2,080,437 \mathrm{lh}$, Alpaea, and other wools of that sort, chiefly come from Pern; goats' wool comes principally from 'Turkey, but the best is that of Thibet.

WOOLEEN MANUFACTURE: The art of forming wool into clobl and stulls. This has always ramed as an important bramel of national industry; and until surpassel by the cotton minufacture, was decidedly the most important of all the manntactures earried on in Enghand.
Rise and l'rugress of the British Woollen Munfurture. Wryorts.-There can be no doubt that the arts of spisming wool, and manufacturin.: the yarn into cloth, were introdueed into England by the liomans, the inlabitants being previensly clothed only in skins. From the period of the lomans quitting England down to the i tenth century there are no notices of the manu-
facture, and those relating to the period from the tenth to the thirteentio century aro but few and imperfect. It is certain, however, that the mannthacture of hroad cloths was extablished soon after the year 1400 , if not previonsly. (Smith's Mismois:s of Wrol, $\mathrm{i}, 17$.) But the woolen manufactures of Flanders being at this period, and long niferwards, in a comparatively alvanced state, langlish wool whe exported in large quantities to Bruges nud other lilemish cities, whence the eloths and other products were brought baek in exchange. Vidward III. took the most judicious mensures for improving the linglish manufacture by inviting over Flemish weavers, fullers, dyers, and others, and protecting them from the assaults of the rabble. Shortly after the first immigration of Flemingrs. or in 1337, an Aet was passed, prohibiting the wear of any cloths made beyond sea, and interrlicting the export of Euglish wool. (1bid, i. 25.) But in these turbulent times such restraiuing Acts were little better than a dead letter; mal this, inded, was soon after repealed. (Llid. i. 3:, 39.) From this remote period the manutincture has always been regarded ns of primary importance, and has been the object of the especial solicitule of the legishature. It may be doubted, hovever, whether it has derived any rena advintage from the numberless statutes that have heen passed in the view of contributing to its advancement. With the exception indeed of the prohibation of the export of linglish wool, which was finally put a stop to in 1titio, the ather Aets, being mostly intended for the regulation of the manulacture, could net be otherwise than mischicvous; and the benetit derived by the mrmufacturers from the prohibition was more apparent than real; inasmuch as it oceasioned a diminished growth of wool, at the same time that it was inpossible to prevent its clandestine exportation. Mr. Smith has proved that the manufature made a far more rapid progress during the reign of Elizabeth, when wool might be freely carried out of the kingitom, than it ever did during any equal period subsequent to the restriction on exportation. Foreign wool began to be imported in small quantities in the thirteenth century.
At first the manufacture seems to have been pretty equally distributed over the country. In an insurrection that took place in 1525, more than ,+ 000 weavers and other tradesmen are said to bave assembled out of Lanchma, Sudbury, and other towns in Suffolk. The mamufarture had been previously introduced into Yorkshire. In 1533 an Act was passed ( 34 \& 35 Hen. VIII. c. 10), reciting that the city of York afore this time had been upholden principally by making and wenving of coverlets, and the poor thereof laily set ont work in spinning, carding, dyeing, wenving \&e.;'and the manufneture, having spread into other parts, was 'thereby deloased and diseredited; :and enacting, as a remedy for this evil, that henceforth ' noue shall make coverlets in Yorkshire but iuhabitants of the city of York!' This may be taken as a fair specimen of the eommercial legishation of the time. Indeed, it was enacted, nearly at the same preriod. that the mannfacture should be restricted, in Worcestershire, to Worcester and 4 other towns. Worsted goods, so called from Worsted, now in inconsiderable town in Norfolk, where the manufacture was first set on foot, were produced in the reign of Edward II., or perhaps carlier; but Norwich soon after became, mul, notwithstanding the competition and superior advantages of Bradford, is still, a prineipal seat of this braneh of the mamufacture. In in Act of 11 enry VilI. ( $33 \mathrm{Hen}$. VIII. c. 16) worsted ymm is deseribed as 'the private
commolity of the city of Norwiel.' In 1614 a great improvement took placo in the woolla manufacture of the West of Enghand lev the invantion of what is called medtey or mixed eloth, for which (iloucestershire is still fr mutus. Wuring the reign of Churles II. there were many, though unfimaded, complaints of the decoly of the mannfacture ; and, by way of encouraging it, an Act was passed (30 Ch. II. st. i. e. 3) ordering that all persmes should be buried in woollen shrouds. 'I'his Act, the provisions of which were subsequently anforeed, preservel its phace on the statute book for more than 130 years.

Towards the end of the 17 th century, Mr. Gregory King and 1)r. Davenant - (i)nvenant's W'orks, Whitworth's ed. if. 233)-estimated the value of the wool shom in England at $2,000,0001$. a-year: and they sapposed that the value of the wool (inelading that imported ircon abroad) was guadrupled in the manufacture: making the entire value of the woollen articles ammally produceel in England and Wales 8,000,01007., of which about 2, toc,0,000 . were exported. In 1700 and 17n, the oflicial value of the woollens exprorted amomed to about $3,000,0000$, a-year. Owing to the vast inerense of wealth and pepulation, the mamufacture must have been very greatly extonded during last century ; but the incrense in the anemant of exports was compratively inconsiderable. At an nverage of the 6 years ending with 1789 , the oflicinl value of the exports was
 above the amount exported in 1700. The extraordinary increase of the cotton manufacture som after 1/̈80), and the extent to which cotton anticles then begrn to be substituted for those of wool, though: it did not oceasien any absolute decline of the manufact ure, no doubt contributed powerfully to check its progress. In 1802 the ofthicial value of the exports ruse to $7,321,0192$, being a larger amomet than any to which they attained fer sereral subsequent years. In $1836^{6}$ the declared value of the exports rose to $7,639,3541$., but it ngain fell bark. The exports during the 3 years ens:".ng with 1852 were nearly stutionnry, their average amount being $8,51 \%, 6881$. a-year. Although, theretore, it be not true, as has sometimes been contended, that the manufacture, taken as a whole, hat declined, it had not down to that dite increased rapidly; and might, indecû, be recariled as being in a nearly stationary state.

Vulue of the Manufucture. Number of Parsens employed.-The most discordant estiunites hare beell given as to bath these poiuts. For the most prort, however, they have been grossly exaugerated. In a tract published in 1739, cuttled Cinsiderutions on the Ruming (Smugghing) of Wiol, the number of persons engaged is the mamufacture is stated at $1,500,000$, and their wages at $11,737,5001$. a-year. Ir. Campbell, ia his Political Survey of Great Britain, publishled in 1774, observes-' Many computations have been made upon this important sulject, and, amongst others, one about 30 vears since, which, at that time, was thought to lie pretty near the truth, Accurding to the best information thit can be obtained, there may be from 10,000,000 to 12,000,000 sheep in England-some think more. 'The value of their wool may, one year with another, amount to $3,000,0001$. ; the exprise of mannfacturing this may probably be $9,000,400$. and the total value $12,000,0001$. We may expori ammally to the value of $3,000,0001$, theugh ofe year we exported more than $4,000,0001$. In relecence to the number of persons who are maintained by this manufacture, they are probably upwards of $1,000,000$. Sanguine men will judge
f Norwich.' In 1614 a place in the woollen of England be the inmelley or mixel cloth, is still froms. Whring acre were many, though the deeny of the manucncouraging it, an Act encourny ortering that ried in woollen shromds. which were subsequently lace on the statute book

17th century, Mr. Greonvenant - (Davenant's ii. 23:3)-cestimntel the in England at $2,001,0001$. ied that the value of the ported ircm nhiroal) was afucture: making the enen articles ammally proFales $8,000,0001$., of which exported. In 1700 and of the woollens exportel 0,0001 a-year. Owing to entlt and jupulation, the e been very greatly extury ; but the increase in was comparatively inconage of the 6 years ending value of the exprorts was ng only about $5 \cdot 110,1001$. orted in 1700. The extrae cotton manufacture soon ent to which cotton articles stituted for those of wool, ien any absolute decline of ubt contributed powerfully In 1802 the ofticial ralue $7,321,0121$, being a larger nich they attained tor seyeIn 1836 the declared value $-, 639,3 \overline{5} 41$., but it again fell uring the 3 years end.!.g - stationary, their average f. n-year. Although, therehas sometimes been conHfacture, tnken as a whole, hot down to that date inmight, indeed, be regarled atimary state.
acture. N'umber of Persons discordant estimates have these points. For the most ave been grossly exargeHblished in 178i, entithed Ruming (Smuggling) if persons engaged ia the 1 at $1,500,000$, mand their a-year. Ir. Campbell, in $f$ Great Britain, publisteel Many computations have is iniportant sulject, and, bont 30 years since, whieh, upht to be pretty near the the best intormation that may be from $10,000,000$ to England-sume think more. ool may, one year with an100,0001 : the expense of nay probably be $9,000,0001$. ,000,0001. We may expoii cof $3,000,000 \%$, though one - of peran $4,000,0001$. Ia refacture, they are probably Saugume men will julge
these computations too low, and few will believe modilecd. Taking focaland into account, and them too high.', (ii, 158.) But the monderation allowint for the inerease of jupulation and of displayed in this estimate was very nom lost oxportation from the lime Mr. Steremom's estisight of. In 1800 the woulten manulaturers objected stremumsly to some of the provisions in the treaty of unioni between Great Britain nal Ircland, and were nllowed to urge their objectims at the bar of the llonse of Lords, and to prodite evidence in therr support. Mr. Law (afterwards Lord lillenborough), the comsel emplayed by the mamfacturers on this oceasion, stated in his andress to their Loriships, on information communicated to him by his clients, that bou,000 packs of woul were aminally prodnced in Varland imb Wales, worth, at $11 /$ per pack, $6,(100,100 \%$; that the value of the manulactured gouts was 3 times as $\mu$ reat, or $19,800,000 \%$; that not less than $1,500,0100$ persons were immediately engaged in the operative branches of the manufacture; and that the trade collaterally employed alout the same number of hands. (Account of the Proctedings of the Merchunts, Mumefucturers STr. p. 3.1.)

It if astonishing that remsomable men, conversant with the mamfacture, should have put forth such ludieronsly absurd statements. We have already seen that the quantity of wool produced in bughand and Wales, in 1800 , did not really amonnt to 400,000 packs ; and the notion that three out of the mue millions of people then in the country were directly nul indirectly employed in the manatature is too ridiculons to deserve notiee, though it was generally anguie:ced in at the time. (Middleton's Surcey of Middrsex, Mat ed. 1. 6.4 ; Alolphus's British Émpirc, iii. 236 de.)

Mr: Stevenson, who is one of the very few writers on British statisties to whose statements much deference is duc, gave the foll wing estimate of the value of the woollen mantabured goods ammally produced in England and Wales, and of the interest de, of the capital, and the number of persons employed in the manaficture:


Number of people employed, 450,000 , or jurhaps 504,441 .
But even this estimate required to be materially
mate was made, the total value of the various descrijtions of woollens ammally produced in (irent l'sitain might have becon moderatily estimated
 $26,000,0001$. at a medinm. We have tiarther been assured liy high prationl nuthorities, that Mr. Stevenson's diseribution of the items was essentially crroneons; and that, assuminer the value of the mamufacture to have been $2(6,000,000)$, it was mide up nearly as follows:-


But this extimate is exclusive of the value of shodly statls, whieh might perhaps have ammanted to ithent $2,(000,0,1001$.
'The wases of the workpople amonuted to about 30h. a-year, making the total munher emploved (ex those in the shoody trale) about $25 \overline{4}, 500$.
Mr. Jnines, M.l'., has, in his valuable necount of the woollen manufatures of the United Kingdom (Statistival Journul, xxiii. p. 33), मiven the fillowing clilurafe estimate of their value (ex the worsted minutactures) in 1505: -


Looking to the vast incrense in the exports sinee 1 ris, as shown in the subjoined table, the gross value of the woollens ammally produced in the Cuited Kingelom may now (1860) be set down


An Account of the Qumntity and Values of the Wiohlicu and Worstecl Manufactures and Woollen Yurn of British Produce Dipported from the United Kinglom in earh of the \& Years ending with 1867.

|  | 1860 | 14.81 | 1564 | 1.56 .7 | 1864 | 13ti.' | $186{ }^{\text {a }}$ | 1467 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Woollen Manufielures. |  |  |  | 27,7,62,297 |  | 45,615,689 | 32,51,3.5 | 31,189,209 |
| Cloths nf alt kituls, continusike. pee. | 8-963, ${ }^{563}$ | 568,26] | 8,38,068 | 27,4, $16,20,361$ | 29, $16.524,154$ | 13, $32.2,0,0,7$ |  | 11,1212, 115 |
| Mixedstaft, flanneli Sc: pid. | 87,957,9174 | 4, 14.12 | \% $3, \times 2 \times 3,3,401$ | If. $5, \ 10,4,4.5$ | ! $7,2 \mathrm{~L}$ | 233, 3 , 7,619 | $227,273,418$ | $208,113,917$ |
| Worsed stnith - Wooilen ind worsted yarn inces | 2\%\% 6 | -,512,3.92 | Eivzi,nis | $32,212,649$ | 51, 42 | 31, 年1, <1 | 27,1u0,90' | 36,4.34.020 |
| Values. |  | £ |  | c | 9 | 5 |  |  |
| Coths of alt kinds, eoatings \&e. | 9,971,596 | 2,961,402 | $4,1 \times 5182$ | 3, 364,910 | 4,53.5,519 | $4,02.3,93$ | $\begin{aligned} & 5,313,614 \\ & 1039,291 \end{aligned}$ | $\begin{array}{\|c} 5,327,375 \\ 0,39,019 \end{array}$ |
| Mixed stulls, tlannela dec. | 3,751, ${ }^{\text {atib }}$ |  |  |  |  | 13,564, $11{ }^{\text {a }}$ | 13,295, 291 | 12,11,998 |
| Worstell stulls - | 4,101,918 | $1,450,352$ | 30101040 | $\begin{aligned} & 8,56,2,5 \\ & 1,580,1 \times 5 \end{aligned}$ | $\begin{array}{r} 10,195,867 \\ 1,50,1100 \\ \hline \end{array}$ | 1,616.511 | (2,154,620 | 1,759,010 |
| Other kinds ${ }^{\text {a }}$ | $12,1.56$ | 1,11x. |  | 15,159,171 | 18,5,53,497 | 2 $21,104,1.51$ | 21.74150917 | 20,1 20,958 |
| collen 3nd worsted yarn | 5, $\times 1.3,15$, | $3,4,22,930$ |  | 5,1087.24, | 5,115,3\%7 | $5,429,501$ | 1.712 .162 | 3, x 22,93 |

The Vinted States, the IIanse Towns, Itollamd and Belginm, but especially t?re first, are hy fir the larrest markets for anr woollen and worsted goods. British North Americin, Australia, ant China also, take considerable quantities. Yarn is priucipally sent to the ILanse 'lowns, Ilultad, liussia, lianover, and Belgium.
In 1820 the total exports of yorn amomed to mily $3,924 \mathrm{lb}$, and in 1825 to $76,961 \mathrm{lb}$, wherens. in ingir they amomed to no fewer than $3 \overline{7}, 436,45$ in 11.) of woollen and worsted yarn-an increase all but unparalleled in the history of industry.

Account of the Declared Vulue of the Woollen Mantfictures, cechlasive of Woollen and Worsted Firn, Erported from the United Kinglom in the under-mentioncel Years, ending with 1 Niti.

| Years | Value | Ye.ars | Vasue |
| :---: | :---: | :---: | :---: |
| $182)$ | 5.94ti, ${ }_{\text {¢ }}^{\text {¢ }}$ | 18.36 | 6, ${ }^{\mathbf{7}} \mathbf{8 8} \mathbf{8}, 690$ |
| 182.3 | 6,15 0,614 | 18.11 | 人, 0371183 |
| 18.311 | 4,-24,466 | 1550 | 7, |
| 1435 | $6,510,311$ | 1560 | 12,156,998 |
| 1511 | 5,387, 533 | 1867 | \%0, $104,4,0$ |
| 14i.) | 5,1994,118 | 15 il 7 | $20,1,3+080$ |

## 1514 WOOLLAN MANUEACTERE

The different propress of the exports of ma:mfactured growls and sarn it pembe, no dombt, on various canses; but primipully, we beliese, wh the clange, previonsly noticed, that has taken place in the character of our wool, which tits it much better than furmerly for being male into worsted yarn, which is almost the only deseription of yarn that is experted. The opieration of this chamge is evined in a still more striking manner ly cemparim the export if eloth, properly so enlled, with that of stullis, in the mifermentioned years.

 $31,189,209$ sarids of choth, and $200,167,015^{-2}$ yaris ol'stulls, were expmortel.

It is obvions that this deeliming or statiomary amoment on the one hand, and conthued and rapid increase on the other, must have been occasioned by the operation of some powerfinl amp permanent cause; and noue such com be assipued other than the deereasing suitableness of liritish wowl tor being thade into cloth, and its incrensing suitableness for being male into worsted yam and stalfs. We do not think that the duty on wool had, when it existed, much inlluence either one way or the other.

Latterly the stulf trade hais made great progress, This has been mainly oceasioned hy the change of fashion in this and other commerics, by which stullis made of a mixture of eotton amil worsted, and cotton and silk, have been largely substituted fior choths, and the home and foreign demand for them propen womally increased. In so far, indeed, as the extraordinary extension of the stull trale depends on this change, it cannot, perhaps, be myarded as resting on any very solid foandation. lut it is on the whole abmantly obvions that the export trade int choth has declined; and that it is omly in the statl trade and in the production of ?urn that we have deciled superiority ower lireigners. For an alecount of the recent history of the woollen trale, see the 2nd vol. of Bischionts Mistory of the "Ioollen and Worsted Mumefictures, a misfinl work tormed on the plan of Smithis Mimoir: af Wool, but neither so learned nor so able.
Shodly and Mungo Tradr.-The preater number, perhaps, of our readers may never have heard of that brameh of the womlen manafacture called the shoddy and mange, trate, which has grown up of late years, and is now of very considerable value and importance. It is prinejpally carried on at batley, where it origimatel, and at bewsbury, which has liecome the heal-y uarters of the business. Cloths, whether of shouldy or mungo, are made either wholly or in part of old, or worn, wool; the former, or those called shodty, ennsisting of the wool on solt prools, such as stockingr, thannels de.; and the liatter, or those called mungo, consist ing of the wool of hard gooms, that is of the diflerent descriptions of cloth. The latter is more valuable than the former, the price of shoddy averaging about $2 \frac{2}{2} d$, per lle, whereas the mean price of munge is about $5 d$. per lb . The oddeloths or rags having been collected, and subjected to varions; processes, are torn to pieces by the aid of powerliul machinery, and reduced to their origimal state of wool; and this wool, being respun, cither with or without an admisture of fresh wool, is again made into eloth. Formerty this sort of cloth was used only for padiling and such like vurmses: lut now it is made into

## WRECK

blamkits, thoshings, Irugects, earpets and table covers, choth for pibat anil letershom great coats se. The elothing of the army, mal the greater proportion of that of the nasy, comsist in part of the sane muterim, whid in tact is oecanionally worn by everybuly. Large pantities of shomedy cloth are exported. tircat improwements have been etfected oi late years, not only in the fiburic of the dell, but also in the dyes: this is especially seen in the cluth for soldiers' unitioms, which is no lomger ol a brick-lunt colonr, but makes a much nearer approbels to searlet. The beantitul woollen table covers are mande wholly of old wool, heing printell by "ume fiotis from designs alrawn in Lamdon nand lamehester, and cut on holly and other blacks on the spat.

It must, however, be observed that, though the cloth mate from old, may louk as well as that made from new woul, it has neither the streugth nor temacity of the later, It is seldom that oh woul is used singly; gener.lly it is mixed up witf new wool in proportions varying from 10 to 50 or bio per ent., aceording to the purposes to which it is to be applied: mal if the old wool be not in excess, the capacity of the eloth for wear is but little allicted.
Ko honest mandiacturer will, of comrse, substitute old for new wool in the manafineture of ang sort of goods withont apprising his customers if she fret. But this is all that he is repuired to do: and there ennot be a doubt that, speaking frenerally, the substitution of oll for new wool is, in very many cases, highly alwantageons.
The analogy between this manufacture and that of paper is so strikiur, that it must force itself on the attention of every one; the vilest and most worthless materials being comwertol in both into the most beantiful and useful fabries. The sholly trade is, in fact, one of the trimplis of art and civilisation.
'The mamulitucture,' says Mr. llaines, 'has forcel its way, and made llatley, Dewsbury, and the neighbourhood the most prosperous paits of the woollen district. There are how in Batley alone 50 rag machines in 35 mills, produciug no less than [2,000,000 lb, of rar- wool per mumm; and I an assurch, on gyod anthority, that : 3 times this quantity is male in the district. The rags are gathered from all parts of the kingrlum, as well as imported regularly from the Continent, Amerien, tull Anstralia, 'There is now, alise, :a comsidemale mandacture of the shomby, or ragwool, in (iermany. and it is believed that no less than 9 or 10 miiliun lib, weight were imported last year.'

WRIECK. In Navigation, is usually understood to mean any ship or gools, driven ashore, or found thoating at sea in a deserted or momamgeable comblition. But in the legal sense of the worl in England, wreck must have come to land; when at sea, it is dintinguished by the barbarous appellations of flotsum, jetsum, and luyen. [Fiovis.13.]

In nothing, perhaps, lats the bencticial intluence of the adsance of society in civilisation been more apparent than in the regulations witin reepect to the persms and property of shipwrecked imuliviluals. In most rude and uncivilisel comutries their treatment has been crued in the extreme. Amongst the carly Greeks and Homans, strangers and enebaites were regarded in the same point of view. (Ilostis apmd antiguos, peregrinus diernatur. l'omp. L'estas; see nlso C'ficto de offic. lib. i. c. 12.) Where such inhospitable sentiacats prevailed, the conduct observed towards those Who were shipwrecked could not be otherwise than barbarous: and in fact they were, in most in-
guts, carpels and tuhle l'eterslumb great coats my, amb the greater piony, consi.st in part of the aet is oeensiomally worn atities of shomely eloth provements have been anly in the tabric of the : Hhis is especially seen miliorms, which is no mir, but makes a much - 'l'su beatiful woollen whly of wh wool, heing romi designs drawn in and cut on holly and
servel that, thongh the y lowk an well as that ins neither the strength

It is selidom that olel nerally it is mixed ul ions varying from 10 to ling to the pimruoses to Hind if the oll wool bo it y of the cluth for wear
r will, of course, substile manutacture of any rising his constomers of rat lie is recpuired to do: bt that, sueaking frenpohl for new wool is, in dvantageons.
this munafacture and incr, that it must force i every one ; the vilest ials being eonvertent it ifal and aseful labrics. ct, one of the trimmph
ays Mr. Lhanes, 'has lhathey, Dewsbury, and host jnosperems pirts of cre are how in batley 35 mills, producing nio frag-whal per amuin; authority, that :" times the slistrict. The rags rts of the kingilom, as y from the Continent, There is now, alse, a of the shorldy, wr ratshelieved that no less weight were imported
m, is usually understood Iriven ashore, or found erted or ummamsrable al sense of the word in e come to land; when by the barbarous apm, and lagtin. ['i.or'
the benelicial intluenee eivilisation been more ations witil respect to of shipwrecked inlid uncivilised countries cruel in the extreme. and Romans, straugers I in the same point of los, peregrinus dicelaalso Cíero de Offic. nhospitable sentiments oserved towards those d not be otherwise than Icy were. in most in-
 lut as law and food oriler grew up, and come mere and nayigathon were extended, those who escaped lrom the prorils of the san were treated in a way loss regugnant to the diententes of hatmanity: and at length the lionm law male it a cupital othence to kestroy personts shipmecked. or to prevent their saving the ship; and the stealing even of a plank from a versed shipwrecked or in distresen made the purty liable to answer for the whole ship and cargo. (Laud. 17, $9,3$.
loring the flomy period which followed the subversima of the lioman emplre, nul the extablishment of the northerin nations in the sonthern parts of Fiarope, the ancient larbarons practices with respect to shipwreek were everywhere renewed. 'Those whosurvived were in most commtries rednced to servitude; and their promls were everywhere contiscated for the use of the loril "!! whose manor they hal heon thrown. (liobertson's
 can so strongly evince the prevalence and aature of the enormities, as the efforts that were made, as soon in govermments began to acpuire authority, for thele suppression. The regulations as to shipwreck in the Laws of Oleron are, in this respect, most remarkable. The 3 inth and 3 sth articles state, that ' jilots, in order to ingratiate themselves with their lorde, did, Jike fuithless and treacherons villains, sometimes willingly run the ship upon the rocks \&e.; for which offence they are heli! to be aceursed and exeommomieated, and punished as thieves and robbers. The fate of the lord is still more severe. 'Ile is to be apprehended, his goods contiscated and sold, and limself fastened to a post or stake in the midst of his own mansion-honse, which being fired at the four comers, all shall be burned tugether: the walls thereof be demolished; the stomes pulled down; and the site converted into a market place, for the sale only of hugs aud swine, to all posterity.' The 31st article recites, that when a vessel was lost by running on shore, and the mariners had landed, they often, instend of meeting with help, 'were attacked by people more barbarous, cruel, and inhman thm mad dors ; who, to gain their moneys, apparel, and other goods, lid sommetimes murder and destroy these poor distressed seamen. In this case, the ford of the comatry is to excente justice by punishing them in their persons and their estates; and is commanaled to phange them in the sea till they be hafi dead, and then to have them drawn fortil out of the sea and stoned to death.'

Such were the Ireadful severities by which it was attempted to put a stop to the crimes arainst which they were directed 'The viollence of the remedy shows better than anything else how inveterate the disease had become.
What the fact that divines did not seruple to prostitute religions worship by praying that the aljacent coasts mirht be enriched with shipwrecks, atjords, perlaps, the most striking proot of the barbarisin of the times referred to. And ineredible as it may scem, this practiee was contianed down to in comparatively recent epocla. 'Cependant il y a encore en Allemagne des pays oh la eoutume de contisquer les biens natufragés n'est juint encore abolic. Il $y$ a même des endroits ou les ministres predicateurs ne tont pas difficulté de prier Dien en chaire qu'il se fisse bien des nanfragés sur leurs cotes. lit ces prières Thomasius a entrepris séricusement de les justitier ; mais par des raisons si singulieres, qu'elles ne valoient pas la peine que barheyrae a prise de les réfuter.' (Valin, Commentaire sur l'Ordonnance

Fiufure it des (iens,' pur Burheyret, ii. Tい6.)
The law of lingland, like thist of other modern comintries, aljulgal wracks to belong to the king. That the riguiur amb injustice of this lisw were moditied wo encly as the rejgit of llemry I., when it was ruled thit it muv fremon eseaped alive out of the ship, it shoulal he ho wrerk, And alter various monhisathons, it was devilem, in the reign of Ilemry 1II, that if foomls were cant on shore, having any marks ly which they comld be itlentitied, they were to revert to the owners, it clamed any time within a vear and a das. liy the
 fouls come to lame, threy nre to be delivered to the merchants, paying only a reasomable rewaril ur Sinwiges to those whon sivel or preserved them. Ifit thes ancient statutes, owing to the comliusion aml di-umbr of the times, were very ill entorerol; and the sixgraceful practices previonsly allubed to contimed to the midalle of liast century.

A statute of Ame ( 12 Ammest. 2 c. 18), contimed hy the 4 fien. 1. 1.10 , in the view of putting a stop tor the atrocitios in question, orders all head onlicers and othors of the towns near the sea, upon application mule to them, to summon as many hands as are nevessary, and send them to the reliet of any ship in distress, on forfeiture of 106 l : and in cease of any assistance qiven, sulvage is to be assersed by it justices, und paid by the owners. l'ernobs secretiug any goods cast. ashore are to forfeit treble their value; and if they wilfully do any net by which the ship is lost or destroyed, they are fitidy of felony without benetit of elergy. lbut even this statute seems not to have been sutlicient to areomplisli the end in view ; and in 17.5:3 a new statute (26 (ien. II. c. 19) was enacted, the premmble of which is as follows: 'Whereas, notwithstumdiug the rood and salutary laws now in beine against plundering and destroying vessels in distress, and nirainst taking away sinpwrecked, lost, or stramded grools, many wicked chormities have been committed, to the disgrace of the mation, and the grievons damage of merchants and mariners of our own and other countride, be it' $太 c$ : and it is then ena'tel, that the preventing of the escape of any person endervouring to sase lis lite, or wounding him with intent to destroy him, or putting ont false lights in order to bring any vessel into danger, shall be eapital felong. liy the same statute, the pilfering of any goods cast ashore is made petty larcens:

We regret, however, to have to state that the phumer of shipwrecked property is still by no means uncommon on the liritioh ceasts. The Committee on Shipwrecks in 1843 stated that 'there is on many jurts of the coast a want of that moral principie which shonh inculcate a just regard for the rishts of such property. It is loked upon ths a chance hift, which every one has a right to scramble for as he can, notwithstanding the Jaws which have been passed, from the carliest period, to prevent or punsh such depredations. The plunder of shipwrecked property on the coasts has been carried on to an enormous estent, and this seems to have arisen from there having been no persons on the spot, when at wreck had taken jlace, to look after the property.' The Committee state that the establishment of the coast-gnard has done much to repress these abuses. The latter, however, cannot legally intertere, except when the cast-away articles are sulyject to Customs' luties; aul the Committee suggest that all abandoned property should be rested in the Govermment in trust for those to
whom it may belong, as if done la limee and Holland. (M̌purt of Committec of 1813, p. viii.)

Since this report was published the law in regard to shipwreck and salvage luns been twice consolldated and embodied; first in the Aet! $\mathbf{d}$ 10 Vict. c. 99 , and more recently in the Mercantile Shipping Act of $1 \mathrm{Bi}-\mathrm{t}$, thic 17 o 18 Vict. c. 10.t, the latter beines slightiy moslithed by the
 tind in the art. Savalo a full acernume of the rules nud rugulations laid down in the 3 lastmentioned statutes in regard to that important subject; and we now berf to subjoin those which have reference to the conduct to be pursued in regaril to wreck.
Inquiries to be instituted in Cases of Wreck ant Cessualty.-In any of the cases following, vi\%: -
Whenever any ship is lost, abandoned, or materially damaged on or near the consts of the Unitel Ǩingdom:

Whenerir my ship canses loss or material damage to anr ether ship on or near such coasts:

W'henever by reason of any easualty happening to or on board of any ship oin or near such consts loss of life masues:

Whenever any sueh loss, abanionment, damage, or casualty happens elsewhere, and any competent witnesses thereof arrive or are fombl at any place in the United Kingelom:

It shanll be lawfu' for the inspecting ofliece of the const-gnard or the prineipul ellicer of Clistoms residinir at or near the phace where such loss, ahaudumment, dimmare, or casualty oceurred, if the same occarred on or near the coasts of the United Kinglom, but if elsewhere at or near the place where sueh witnesses as aforesaid arrive or are found or can be conveniently examined, or for any other person appointed for the propose by the Board of 'Trade, to make inguiry respecting sueh loss, abandonment, damage, or casualty; and he shall for that purpose have all the powers siven by this Aet to inspectors appointed by the said Boarl. (See. 432.)

Formal Investigntion before Justicess.-lf it appear to suel officer or person as afu: esaict, c: ther upon or without any such prelimiary inquiry, that a formal investigation is necessay or expedient, or if the lloard of Trade so directs, he shath apply to any 2 justices or to a stipendiary mugistrate to hear the case; and such justices or magistrate shall thereupon proceed to hear and try the same, and shall for that purpose, so far as relates to the summoning of parties, compelling the attendunce of witnesses, and the regulation of the proceedings, have the same powers as it the same were a proceeding relating to an offence or canse of cemplaint upon which they or he have power to make a summary conviction or order, or as near thereto as circumstances permit; and it shall be the duty of such officer or person to superintend the management of the ease, and to render such assistance to the said justices or magistrate $n$ is in his power; and, upon the conclusion ot the case, the said justices or magistrate shall send a report to the Board of Trade, containing a full statement of the case and of their or his opinion therson, accompauied by such report of or extracts from the evidence, and such observations (it any) as they or he may think tit. (Sec. 133.)

Poncer to "ppoint Nautical Assesso -In cases where nautical skill and knowledge are recuired, the Board of 'Trade shall have the power, either at the request of such justices or magistrate, or at its wwa discretion, to appoint some person of nautical skill and knowledge to act as assessor to such justiees or magistrate; and such assessor
shali, upen the conchasion of the ense, either signity his concurrence in their report by signlug the sime, or if he dissent therefrom shall signity such dissent and his rensons therefor to the Buntel of Trade. (Sise 4:4.)

Stipemdiary Mrugistrate to be Member of Laral Ditriue Bocrel, anid to be $p^{m i t h}$ - In places where there is a lowen Marine lhomed, and where a stipendiary muristrate is a member of such Iharro, all suell livestigatious shall, whenever he happrins to te present, be made before such magistrate; and there shall be paid to such magistrate in respect of his servicess muker this Aet such remuneration, whether by way of ammal increase of salary or otherwise, as her Majesty's Sccretary of state for the llome Departonent, with the consent of the boaril of Trade, may direet: and anch remuneration shall be paict out of the Mereantile Marine Finm, (Sec, 135.)

Costs of such Investigutions.-The said justices or magistrate may make such urder with respecet to the costs of buy such investigation or any portion therenf as they or he may cleen just, and such costs shatl be paid necorthisly, und shatl be recoverable in the same maner ins other costs ineurred in summary procedings betore them or him; and the loard of Trade may, if in my ente it thinks tit so to do, pay the expense of any such investigntion, and may pay to such assessor such remmeration as it thinks iit. (Sec. 4: 4is.)

Incestigutions in Scotlund.- In the case of any such investigation beiug held in Scotland, the lhard of 'Irade may remit the same to the lord Advocate to be prosecuted in such mamer as lie may direct, and in case lie so requires, with the assistance of such persons of nauticui skill tuad knowledge as the loard of Trade may appoint for the purpose. (seec, 437.)
Master or Mate may be required to deliver Certificute $y$ yc.-Such justices or magistrate as aforesaid may, or in Scotland such person or persons as is or are directed by the Lord Adwate to conduct the investigation may, if they or he think fit, reguire any master or mate possessing a certiticate of competency or service whose conduct is called in question or appears to them or him jikely to be called in question in the course of such investigation, to deliver such certilicate to them or him, and they or he shall hold the certitiente so delivered until the conchusion of the investigation, and shall then either return the same to snch master or mate, or, if their report is such as to enable the loard of Trade to cancel or suspend such certificate under the powers given to such hoard liy this Aet, shall forward the sane to the Bourd of Trade, to be dealt with as such Board thiuks tit ; and if any master or nate fail so to deliver his certiticate when so required, he slall ineur a peualty not excecting 501. (Sec. 438.)

Board of Trade Superintendents of Wreck, with power is pppoint Receivers.-The llowrl of Trade shall thinughont the United Kingdom have the general superintendence of all matters relating to wreek; and it may, with the consent of the Commissioners of her Majesty's Treasury, appoint any officer of Customs, or of the constghard, or of the inhand revenue, or, when it appears to such Board to be more convenient, any other person, to be a receiver of wreck in any distriet, aud to perform such duties as are herein mentioned, and shall give due notice of every such appointment. (Sec. 439.)

Admiral not to interfere with Wreeh.-No admiral, vice-admiral, or other persun, under whatever denomination, exercising admiralty juristiction, shall as such, by himself or his
n of the ense, cither their report by signing herefrom mhall signify asons therefor to the
b.)
a be Member af Liral ptich.-In places where lhomal, abal where a neamber of sach lboard, ll, whenever he linppens efore such mapistrate; to such magistrate in nder this Aet nuch re--ay of momual increase her Majesty's Sieretary Departincut, with the lrude, may dlreet: and [mial ont of the Merc. 435.
ms.- T'he snid justices neh order with respeet investigation or any he muy deem jast, and cordingly, and shall be muser an other costs inedings betore then or mule may, if iu any rate he expense of any such y to such nessessor such fit. (See, 436.) nd.- lin the case of any held in Scotland, the $t$ the same to the loord l in steh momer fos he e so repnires, with the * of uanticni skill iud © Trade may appoint for
be required to ativer tices or magistrato as otland such person or d by the lord Advomate ion may, if they or he ter or mate possessing a r service whose conduct ppenrs to them or lam estion in the course of iver such certiticate to he shall hold the certibe conclusion of the inpither return the same , if their report is such of Trade to cancel or monder the powers given shall torward the same be dealt with as such Hily master or mate fail te when so required, he excecting jul. (Sec.
rintendents of Wreck, ceivers,-'The board of the United Kingrdom endence of all matters muy, with the comsent er Majesty's 'Treasury, foms, or of the constvenue, or, when it ape more convenicnt, any veiver of wreck in any th duties as are herein due notice of every 439.)
cre with Wrech,-No other jerson, under excreising admiralty h, by himself or his
ngents, receive, take, or interfere with my wreck except as herein mentioned. (See. $\cdot \| 1 \%_{1}$ )

Inuty of Receiter when any Nhip, is Notrualed or in Distress.-W'henever any ship or boat is stranded or in diatress nt muy place on the shom of the sern or of any tidal water within the limits of the United Kinglom, the recejver of the district within which such place is sitmate shanl, upon being made ne'guainted with sueh aceident. forthwitls proced to much place, and mon his arrival there ho shall take the command of ala persons present, mud ussjgn such duties to eneln person, nul issue such directions, as he may think tit with a view to the preservation of such ship; or boat, mul the llves of the persons belonginer thereto, and the eargo and apparel thereof; nud it any persou wiltully disobeys such directions, lie shall lorfeit a sum inot exceeding $60 /$; but it shall not be lawfinl for such receiver to interfere betweon the master of such ship or bont anal his crew in matters relating to the manurement thereof, unless he is reguested no to do by such muster. (Sec. $1+11$.)

Powers of Receiver in Cose of Accidrut to my Ship or Bout,-The receiver may, with a view to such prescrvation as aforesad of the ship or lamat, persons, cargo, and "pparel, to the following things (that is to saly) :-

1. Summon such number of men as he thinks necensary to assist him:
2. Refinire the manter or other person laving the charge of any ship or heat near at hand to give such aid with his men, shij, or boats, as may be in his jower:
3. Demund the use of nuy wngron, eart, or horves that may be near at hand;
And any person rofusing without reasomble canse to conply with any summons, repuisition, or demand so nuale, slanl for every such refisal incur a penalty not excecling $100 /$; but no person shall be liable to pay any luty of assessed taxes in respect of any such wiggon, eart, or horses hy reason of the user of the same maler this section. (Sec. $4+2$.)

Artirles washet on Shore, wr w. . Ge. to be deliecred to Receirer. - All cargo and other artieles belonging to wach ship or boat, that may be washed on shore, or otherwise he lost or taken from such ship or boat, shall be delivered to the receiver; and any person, whetloer he is the owner or not, who secretes or keejes jossession of any such cargo or article, or refuses to deliver the sume to the receiver or to any person anthorized by him to demand the sume, shall incur a penalty not execeding $100 l$. ; and it slall be lavitul for such recoiver or other person as aforesaid to take such cargo or artiele by force from the person so refusinge to deliver the same. (Sec. 113.)

Receiver to suppress Phunler ant! Disorder by Force.-Whenever any such accident ocears to any ship or bont, and any person planders, creates disorder, of obstructs the preservation of such ship, boat, lives, or cargo, it shall be lawful for the receiver to couse such person to be apprehended, and to use force for the suppression of any such plumlering, disorder, or whstruction, with power to command all her Majesty's subjects to assist lim in the use of such force ; and if any ferson is killed, mailined, or hart by reason of his resisting the receiver in the excention of the duties herely committed to him, or noy person arting under his orders, such receiver or other person shall be free and fully indemnitied as well against the Queen's Majesty, her heirs and successors, as against all persons so killed, maimed, or hurt, (Sce. 444.)

Certain Officers to exercise Poter of Recirer:-

Whring the nlsence of the recolver from the place where any such necideat as atoresaid oceurs or la phaces where no reeciver lans been appohated inder this Act, the tillowing otlkees lin sucerssinin, eneli in the absence of the other, lin the order in whilh they are mamed, vi\%, any principal adierer of Customs ur of' the comat-rnand, or of inland
 commisaiomed atherer win fill pay ln the mand
 lull bay in the military nervior of lur Mujesty, mave do all nutters and thases heroby anthorizerl to he elone by the reeciver, with thif exeeptlon, that with resperet to any gowds or articles helonging to any nueh shlp, or lowit, the delivery ilp of which to the reodiver is herein rogulred, any ollieer wo neting shall be considered as the agent of the receiver, and wall place the same in the custorly of the receiver ; aud no person so acting as substitute for any recolvir shall be entitleal ta muy tees jayable to recelvers, or be deprived by reisum of hifson ating of any right to salvage to whleh he would otherwise be entithed, (Ser. 4.5.)

Poner, in Cuse uf' a Shij, beiut in Distress, To putss over mijoinin! Lamhs with Cherringes. Whenever any acedent as atoresaid orrors to any ship or boat, all persons may, for the purpose of remberinif ussistance to such ship or bont, or saving the lives of the perans on luard the same, or the eargo wr apparel thereof, unless there be some jublic rabl equally canvoniont, jass and ropass either with or without carriages or horses over may ndjoining lands, without beinir sulbject. to interruption by the owner or oreupier, so that thry da as little damage as posible, ame may alsn, on the like condition, deposit on surh lands any eargo or other article recovered from such ship or loat; and all damuge that may be sustained liy any owner or orenpier in consequence of any such passing or repassing or deposit as aforesitid shall be a charge on the ship, boat, eargo, or articles in respect of or by which such dannge was arcasiondel, and shall, in detanalt of payment, be recoverable in the same manner as salvage is hereby mate recoverable; and the amomint payable in rexpect thereof, if disputed, shall be determined in the same manner ns the amount of salvage is hereby in case of dispute directed to be determined. (Sec, 446.)

Penulty on Ouners yec of Land refosing to allow Curriages \& c to pass oeer their Kannl.-If the owner or occupier of any land over which any person is hereby anthorised to juss or repass for any of the purjoses hereinbefore mentioned does any of the following things (that is to suy) :-

1. Impeden or hinders any such person from so passing or repassing, with or without carritges, horses, mud servints, by locking his gates, refusing, upon request, to open the same, or otherwise however:
2. Impedes or hinders the deposit of any eargo or other artiele recovered from any sueh ship, or boat an hereinbefore mentioned:
3. l'events such cargo or other article from remaining so deposited for a reasomable time, until the same can be removed to a safe place of public deposit:

He shall for every such offence ineur a penalty not exceeding 1001. (Sec. 147.)

Pouer of Recciver to institute Examination $\& v$. - Any receiver, or in his absence any justice of the neace, shall, us soon ns eonveniently may be, examine upon oath (which onth they are hereby respectively empowered to ndminister) any person belonging to any ship which nay be or may have been in distress on the eonsts of the United

Kingrlom, or any other persona whon may be ablo to ghe may aremint thereof or of the capore ar stores theroof, as to alse following materes; viz.:

1. The manu and deseription of the xhip.
2. 'The manes of the master and of the cowners.

It. 'The bames of the owines of the corge.
I. The ports or places firmu and to whel the ship was lmomal.
6. The accaston of the ilatress of the ahip.
6. 'The services rendered.
7. Such wher matterator ciremmatances rolating to sueh ship, "re to the earge on bearil the same, as the receiver or fustioe lhinks needesury.
And surld reedier or fustice shath takie the examination down in writing, and shall make two coples of the same, of which he shall rend mae to the logard of T'rade, and the osher to the secretary of the Committee of Lloyil's in L.omdon, and wiels last-mentioned copy shatl he placed lyy the anial secratary in some comprichons sithation fior the inspection of persoms desirous of examining the same; and for the parposes of such examination every receiver or justice as aforestall shall have all the powers fiven by this Aet to insperturs nppointed by the bonrid of Trame, (See 1tx,

Oridinul ar certified Chy of EActaminaton to be primitiacie Evidence-Al exmmination so taken in writing as atoresaind, or a copy thereof, purporting to be certitied umder the hame of the receiver or justice betore whom such examination was taken, shall be almitad in evidene in any court of juatice, or beffere arv person having by law or ' $\quad \therefore$ conscnt of parties authority to hear, receive, and examine evidenoe, as primà tacie proof of all matters contained in such written exannination. (Sce. 41:!)
 -The following rules shall be oiserved by any person thaling or taking possession of wreck within the United Kingilom; viz:

1. If the person so diminer or taking possession. of the same is the owner, he shall as som as possible give notice to the receiver of the district within which such wreck is foumd, stating that he has so found or taken possession of the same; and he shall deseribe in such notiee the marks by which ., uch wreck is listinguisherl.
2 . If any person not beinf the owner tinds or takes possersion of any wreek, he shall as soon as possible deliser the same to such receiver at aforesaid.
And any person making defant in obeving the provisions of this section shall incur the following peralties ; (that is to suy)
2. If he in the owner and makes lefault in performing the several thinge, the pertirmance of which is hereby inpusel on mowner.
lle shall incur a penalty not exceeding 1000.
3. If he is not the owner and makes deliante in performing the several things, the pertormanee of which is hereby imposed on any person not being an owner,
lle shall forfeit all chaim to salvage.
IIe shall pily to the owner on' such wreek, if the samo is clained, but if the same is unchinmed then to the person entithell to such melaimed wreck, donble the value of such wreek (such value to be recovered in the same way as a penalty of like amount); and
lle shall ineur a penalty not exceeding 1000 . (Sec. 150. )
Receieers !o seize concraled Wreck.-If any receiver suspects or receives information that any wreek is seereted ur in the possession of sonic person who is not the owner thereof, or otherwise improperly dealt with, he may apply to any justice of the peace for a warrant, and such justice shall
have power to grant a warant, by virtue whereof it shall be lawfinl fir the reciver to enter ints any honse or uther place wherever sitmate, and aka luto any shilp or beat, mal wemelh for, anil Th seize and iletain muy surd wreek as aforesalad
 conrequences af batormation that may have heren given ly any person to the revelver, the inturmer shall be entillall he way of nalvige to such sum, now exeredthg in niny cise ish, as the recelver may: allow: (Sere lin.)

 sion of any wredk canse to be pusterd if in the custom-hovi-e of the purt bearest to the place where such wreek was finad or seized a deserciptime of the name and of any marks by which it is distinguished, amel dall alsu, if the value of such wreck exceeds sinl, but not itherwise, transmit a similar descripthon to the Sempetary of Lloyid's aforesahl; and such recretary mall post hy the desuription so sent, or a coily thereot, in sume conspichons place, for the hasbection of all parsons dexiromes of examining the smber. (Sicc. lie.)

Giouls prerishiohice or of small Viahe many be solld inmerlinterity- - In cases whre nuy wreek in the enstonly of any receiver is mader the value of aid, or is of so perinhahle a mature or so much damazed that the same camot, in his opinion, be adsumpeonsly kept, or if the value thereof is not sulficient to defmy the charge of warehonsing, the receiver may sell the sume before the expiration of the priod after montioned, and the mony raied liy such sale, atter defray ing the expenses thereof, shall be helid by the receiser for the same purposes and nubecet to the same claims for and in which the article sold would have heen hed mad liable it it had remained monsoll. (Siec. lios.)

Whare any Lord of the Whaor in other Person is entitled to unduimed IVrech, Meceiter to gire hime Nuticr.--ln rases where any admiral, viepadmiral, lorel of the manor, or other person is enitleel tor his own use to murlaimed wreck fomm on any place situate within a district for which a receiver is appointerl, such admiral, vicealmiral, lord of the manor, or wher person shall deliver to such receiver a statement containing the partienlars of his title, and the address to which notices are to be sent: and upon such statement bein;r so deliveresl, and proot mate to the satisfaction of the reeciver of the validity of such title, it shall be his luty, whenever he takes possession of any wreck fumind at any such place, to send within is homrs thereatter a deseriptime of the sume and of any maks by which it is dis.tinguished, directed to such address an aforesad. (Sic, tit.)

P'ayments to be mate to Recciver.-There shall be baill to all rereivers apmointed mader this. Let the expenses properly inearred by then in the performmen of their diutien, and aliso in respect of the several matters specitied in the table annesed to this Aet, such fees not excecting the ammunt: therein mentioned, as may from thme to time be directel by the Board of 'Trade; and tha receiver shall have the same lien and be entitled to the same remedies for the recovery of such expenses and fees as a salvor has or is cititled to in respect of salvage due to him; but, save as afinesaid, no receiver appointed maler this Aet shall, as such, be entitled to my remuneration whatsoeser. (Sec. 1;ju.)

Sumss payalue to Recciver to be determined by Bourd of Troule.-Whenever any dispute arises in any part of the United Kingdom as to the amonit payable to any receiver in respect of expenses or fees, such dispute shall be determined
int, by virtue whereof recivire to rinter into wherever sithate, and and to wintell for, alal clo wreek iss atomenald ch welanre is numbe lit that may hava luran weriver, the intarmur walvage to nach satil, l., as the rucelver muy
m hy Herviter,- livery
 - be puated M, in the wationt to tha blawe al or seized a dexarip$y$ marks by wheh it $i$ o, if the value wi' nuels otherwise, trallsmit " Sectuctary of ldoyat's ury whall jowt up the coipy theredt, in wome uspection of all persons мине. (Sec. $4 \mathrm{H}_{2}^{2}$ ) madl Fiblue moty lie satld are any wreek in the linder the value of $\%$., mature or so much mot, in his opinion, be the value thereol' is bot large of warehonsing, the loffore the expiraationed, and the monsy lefraying the expenses e receiver lior the same e same clanins for mal womlal have loen held ell illasull, (see. lisu.) Manor ar other Parson Trech, Heceiver to give cere any admiral, viceor, ur other person is e to llirlatimed wreck 10: within it district for ford, such almiral, vice;, or other persons shall I statement containing e, and the midress to scint ; and upun such red, and jrusl maie to iver of the validity of uty, whencrer he takes bind at any such place, hereatter a description arks by which it is dis-- II adilress as aforesaid.

Reveicer,-l'here shall pointed umber this. Act furred by them in the $\therefore$ and also in respect of eif in the table: amexed Excecoing the amounts vo from time to time be rode; and tho receiver and be entitled to the very of sud, expenses is entitled to in resprect t, save as aforesail, 1 , his det shall, as such, meration whatsocver.
or to be determined by ver any dispute arises 1 Kingiom as to the receiver in respect of ute shall be determined

Wy the thared of 'Irade, whove declsing shatl bet lhinl. (sece juti.)
 receive appointid moler this det, in resped of

 Marime Fiand, anal a sporate neronatit therend shall le kegh, non' the moneys asiving therofiom
 incorred its entrying intor cheet the purpomen of thin Aet, and in knell manmer as the Ihamel of 'Trusle diveres. (see. liz.)

For the regnations am tonalvage nee Niv.v.Nat:


 is suranded or ohlerwise la distress on or hatar the slowe al my an or tilnl water in the linitul Kingodom, nud such ship or bont, wr any part of the enten or apparel thereof, is plainderent,
 and tambltumsly nevembled turetlere, whether on phore or allont, finll romprinsation shall lote matio to the owner of sueh ship, boat, eargo, or apparel, as follown:-
In England, by the Inlabintants of the hamired, wapentake, waril, or dintrict in the mature of a lamatrol. by whatevar name debominatorl, in or nearest to which the snim ollinee is eommitted, in maner providen by the 7 dis Gen. IV. c. :3, in rise of the destruction of charehes and other huilinges liy a riotoms assemblage, or as near thereto as circumstanmes permit :

In Irclant, by the Inlmbitunts of the comaty, conity of a city or town, buroby, town or towns, parish or parishcs, ith or menrest to whleh sueh afline is committerl, in mamer proyided by the as 4 Wm . IV. e. 37 s .7 I , lior the rovery of satisfurtion and amends for the malicions demolition of or injury to churches, clupuels, and ather buidtings used for religions worshig, aeeorling to like usage of the United Church of limpland and Ireland, or as near thereto as ciremmsturces promit.
In Sebthun, by the imbabitants of the county, eity, or borongh in or nearest to which such ofience is committed, in manner provided by the I Gow. 1. st, ", c. 5 with respeet to prosecutions fir repairing the damages of any ehmrehes and other buillings, ras near thereto as circumstances permit.
Prualty firr plumdring in Cases "f shijnrech \&c-livery person who does ang of the liollowing iuts, viz:

1. Wrongially carries away or removes nuy part of any shipor biat st ramed or in dunger of being srmaded or otherwise in tistress on or near the share of any se:t or tidal water, or mey part of the fargo, or njpard thereaf, or any wreck; or
y. Endedrours in any way to impede or hinder the saving of sucit shij, bont, cargo, apparel; or wreck; or
i. Secretes any wreck, or obliterates or clefinces any marls thrreom:
Fhall, in ablition 'o any other penalty or punishmeat he may be suliject to muler this or any other Act or haw, for earh smeh ollience incur a jenally not exceding fol.; amd every persom, not buing areceiver or a person hereinbefure anthorised to the the commamil in cases of ships being strambel or in distress, or not acting minder the orders of such receiver or pursom, who, without the leave of the master, endeavom's to board any such ship or beat an bloresaid, shall for each ottionee incur a fenalty not excecelinur fol.; and it shall be lawlul for the master of such ship or boat to rejel by furce any such person so attempting to board the smace (vec. 4is.)

P'ently fir arlliug IFreck in forrign Porfs.-

 in divtrise bil ur acar the shore at the seat or of any thal water vitmate within the limita of the
 "pparel theremp, or anything bolonglige thereto, or uny wrock fanma within anth limits as aforematid. unil theres sells the same, low matl lat guilty of




 ur marime stores cif mus despription, shall contorm for tha lalbowing rexulation* vi\%:

1. Hu shimll have his mume, topether with the
 tinetly in hiters of ment leas than finches in longth on wery warlbuse ur other pilae ol d'pusit belamerilir tw him.

It hur dons mot, lue whall incur a jermalty mot ex-

$\therefore$ Whe hall kecp a hemk or booke fitibly written, and whall enter thorein tus areonot wit all such marino atores as he may from time to time berome posaresed oft, sitating, int respect af anch article, the time at whirh and the preson from whom he purchased or received the same, ahliars, In the rama of every mel last-יncontioned person, a cleseription of his bosiness and phace of aboule.

If he does not, he shall ineur for the first ollence a pronlty unt exeemling som, and lior eviry subsequent ofleme a pemity mot execeding fol.
8. Ile shall mot, hy himsilf or hiv ngents, burchase marine stores of any deveription from any persou apparent! ander the are of sixteen vears.
If he does so, he shall inemr fur the first uffinee a pemalty not. extectinte ibl, atul for cvery subseguent oflempe a peralty mot eaceding ebol.
4. He shall mot eut ujomy eahhe, or any similar article, excecolings 5 fallums in lengeth, or unlay
 whatever, without obtaining such permit and publishing such notice of his hiving so obtained the same as is after montioned.

If he cloes so, he shall ineur for the lirst offence it penalty not exeroling 20., nal fir every sub*ejurnt olfence a penaltr not execediner bib.

Manner of obtaminy I'ermit to cat up, (bibes,In order tio obtain sheh premit as aforesaid, a dealer in matrine stores shall make a dechatation betiore some justice of the geace laving furisaliction orer the phace where such tealer reshbes containing the following prtienars, vio:

1. A statement of the paality and ileseription of the cable or other like articile abont to be cut up or mulatid.
2. A statement that he purchased or wherwise atyuired the same bona liold and withont framb, and without any knowledige or sumpicion that the same ham been come by dishonestly.
:3. A statement of the name and deseriptions of the person from whom he purehatsed or received the same.
And it shall be lawful for the justiee before whom my such decharation is madr, or for the receiver of the distriet in which such dealer in marine stores resiles, upon the production of my such Ileclaration ats atoresaid, to grant a permit anthorising him to cut up or unlay such cable or other like artielo. (See. Isl.)

Parmit to be aderrisicil before Dealer proceeds to arf therema, -No deallor in marime stores who has ubtained jermit as aforesaid shall proceed to cat up or unlay any cable or other like artiele mutil
lue has for the space of one week at the leaut before doling any such act published in minte newapaper published nearest to the phate who hoe residen one or more advertisements motifylug the fitet of his having ohtalned a jermit, anil mpecifying the onture of the cable or other artiele mentioned la the permit, and the placo where the same is deposited, and the time ut which the same is intendell to be cut up or minain; and if nuy peeson puspects or bulieves that surh cable or other article is his property, he may mply to any justive of the peate for a warrant; anal suris Justlee of the peace may, on tho applinumt making onth, or, if a person entithed to make an atlimat tiom, making nut ntlimation in support of such his suspicion or helierf, grant a warrant by virtue wherest the applemint shall be entitled to repuire the prothetion by surf dealer as aforessalid of the enble or orlier article mentioned in the permits. and aloo of the book of entries before directed to be kept by every denler la marine ntures; and, 11ןon sueli cable or other article and book of entrles being prouluced, to lusuect and examine the same: nul if any dealer in murine stores makes definult in conimplying with any of the provisions of this mectlon, he shall for the tirst offence incur 11 penalty not excerding 200 , and for every wibserguent offence a penilty not exceeding b01. (Sec. 18\%.)
Minuyfarturers to place Marks om Auchors, Every manufieturer of anclors shall, in case of ench anchor which he manatinctures, mark in Iegible characters on the crown and also on the shank under the stock his name or initials, with the addition of a progressive momber and the weight of such muchor; and if he makes detmult in doing so, he shall for each offence ineur a penalty not exceeling 51 . (Sec. 18:3) [Avenomes.]
Forrign Gonds formad derelint to be subject to the same Dutirs as on Impmrtution.-All wreek, being foreign gools brought or coming into the United Kingdom, or the Isle of Man, shall be subject to the anme duties as if the same were imported into the United Kingrlom or the [sle of Man respectively; and if any question arises as to the origin of such goods, they shall be deemed to be the produce of such country as the Commissioners f Customs may upon luvestigation determine. i'Sec. 499.)

Goods saved from Ships wrecked to he forwarted to their origimel Destination.- The Cominissioners of Customis amil lexcise shall permit all goods, wares, nod merchandise saved from any ship stranded or wrecked on its homeward voyage to be forwarided to the port of its origimal ilestimation, and all groods, wares, and merchandise saved from any ship stranded or wreeked on its outward voyage to be returned to the port at which the same wero shipped; but such commissioners are to take security for the due protection of the revenue in respect of such goods, wares, and merehandise. (Sec. i00.)
Number of Shipurecks.-The loss of property by shipwreck is very great. It appears from an examination of Lhoyl's List from 1763 to 1829, that the losess in the British mereantile mavy only, amounted, at nn average of that period, to about 577 vessels $n-y$ ear, of the aggregate burden of about bif,000 tons, or to above $\frac{1}{40}$ of its entire amount in ships and tonnage. The following accounts contain notices. of late disasters:-
The alstract publishel by the Government furnishes the following details with regard to losses at sen in some late yeurs. During the 5 years ending with 1867 , the wrecks and casualties were:-

| Selt | Ireelm | Collinima | 'J'벼씨 | Tutal filven lost |
| :---: | :---: | :---: | :---: | :---: |
| Intis | 1,761 | 311 | リ, 141 | $6 \% 11$ |
| 1 16til | 1,, 1211 | 111 | 1.761 | 514 |
| \|wit | 1, Wifi | 881 | 2, 211 | 6.14 |
| \|xtily | jiz6:1 | 172 | 4, ${ }^{\text {a }}$ (1) | yent |
| $1 \mathrm{mb} \mathrm{\%}$ | 1,1776 | 111 |  | 1,963 |

The number of casualites in ench month of 1807

## was:-

| damear | - | $\begin{aligned} & \text { Vesselthe: } \\ & =\$ 15 \end{aligned}$ | Itrought fopward |  |
| :---: | :---: | :---: | :---: | :---: |
| Piplimitury | : P- $^{\text {P }}$ | - Inil | dumusi | - 19 |
| \arils. | - | - $22^{\prime \prime}$ | S. preaniser | - 19110 |
| dipril | - | - 137 | Chelober | - y\% |
| 31.19 | - | - 1108 | Norpmiver | - vis |
| Jтии | - | - 80 | llecerntier | - 1919 |
| , July | - | $\text { - } \quad 1$ | Toual | - 2.2 .11 .7 |

Representing 131,212 tons, and employing 19,971 linuls, of whom l,illis perished.

In 1 sif ${ }^{7}$ the wrecks and casualties were:-


Whe number of 1,076 wrecks, other than wolliNoms, is in excess of the wrectes mal casumities of nay firmer year, and is at the rate of mone than if pre iliem.
The number of wrecks in each menth of latit is thas given:-


In thls year 806 hands perished.
In 1Nis' there were 1,1711 wreeks, of which 10.4, including 50 sumk by collision, were total lossers, Inapplly ouly 340 lives were loas.
Listimating the vessels totally lost, with those that have been abaudoned aud broken up, at tion a-year, and 200 tons burden at an avernge, aml thicir valne, including that of their cargoes, at 201. $"$ ton, the entire loss would amomint to $2,400,0001$, to which a further and considerable sum must be aided to repair the damage done to those ships which have escapel with less, though still serions injury. Hence, apart from the loss of life, which varies from alout 500 to 800 and 1,200 hands nyear, the avoidance or diminution of wrecks is a imater of no little importance.
'This result might, in some degree, be efficted by huilhing better and strouger ships, supplying them with improved compusses \&e., and by opening harbours of refuce on the parts of the const where these disanters mostly eceur. No doubt, however, the abnse of insurnace, with the carelessmess, ignorance, and drankemess of the masters and crews, are the great seurces of lows: and nothing will do so much to obvinte these ns the pian now adepted of making the grant of a certiticate of titness, after undergoing an examimation by a public board, indispensable to emable any individual to be appeinted to the command of a ship (ante : Masteit). Providel nlways that the examination be properly conducted; if not, it will be worse than useless.
During the last war with France, 32 ships of the line went to the bottom, beside 7 fifty-gun ships, 86 frigates, and a vast number of smalier vessels. And the losses sustained by the mavies of France, Spain, Holland, Denmark dec, must have very greatly exceeded those or ours, Itence, as Sir Charles Lyell has observed, it is probable that a greater number of monuments of the skill and industry of man will, in the course of ages, be collected together in the bed of the ocenn, than will be seen at one time on the surface of the continents. (Principles of Geology, 7 th ed. p . 72 z .)

| 'I'utal | Thenl IIven t.ast |
| :---: | :---: |
| ข, 1101 | Ev) |
| 1.71 | А16 |
| 4, 1114 | 614 |
| 4,4 | 74) |
| y, 0 ¢ | 1485 |

in each month of 18017

| rmutht lutwith | $\begin{gathered} \text { reanelq } \\ -1,31011 \end{gathered}$ |
| :---: | :---: |
|  | - $19^{19}$ |
| Ditanbe? | - 1.91 |
| folley | - 2H1 |
| suminer | * 8181 |
| ceinler | - 117 |
| T'utal | - 84 51.8 |

and employ/ng 19,971 ved.
eaninaltien were:-
netiously

|  |
| :---: |

recks, other than colliwreeks mal caswalties is at the rate of more
n each month of labis
Itronchle forward
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Thober
loverulon
Tontiver
Totat
erished.
wrecks, of which 10t, sloun, were total liosses. re losst.
totnlly lost, with those and broken up, at tillo len at ant avernge, and of their cargoes, at $9 \%$. 1 ameunt to $2,100,01001$, sidernble sum must be ke done to those ships ess, though still serious the loss of life, which (0) and 1,200 hands animution of wrecks is a nec.
me degree, be efficted omger ships, supplyint mpasses \&ec, and by o on the parts of the rs mostly oceur. No of insurance, with tho d drunkemness of the great sources of loss; h to obvinte these as nkings the griut of a vidergoing an examinadispensable to enable nited to the commanal Providel always that y conductenl; if not, it
th France, 32 ships of mm , beside 7 tifty-gun at number of smalier astained by the mavies , Denmark de., must those ol ours, Hlence, served, it is probable tomuments of tice skill a the course of ages, he bed ol' the oceas, e on the surface of the eology, 7 th ed. p. 728. .)

## Y


 artilis.


## Z

 aswenhe, tuil other volatile parts of colnit, lave twin expelled by ealcination, the residum is sulit, mixed or mimixed with the smind, mular the above name, When the revidman is melted widh silleenos earth and potash, it firmes a kind of bue glase, known by the name of smalts [Susu:\%\%, of great impurtance in the arts. When smalt\% is gromal very the, it receives in vonnerce the name of pontider huce, Zaller, lik" smalta, is employed in the manufacture of earthenvare mad china, fir palating the surface of the pisces a blue colours. It suffers no chatige from the most violent fire. It is also emplnyen to tiuge the erystal ginsses, mave in imitation of apapue and transparent precious stomes, of a blae culaur. It is almost wholly lirought from (iermany. In 1867 the imports of galfer namonted to sel fewt., the exports being ouly $1 ; i$ ewt. A duty of is. prer ewt. on its being imported was repraled in 1816 .
\%BL INDLAN COLN or MAIZE. [MARE] \%indiand, NEW. [Aucklano; Cumome.]
 zalaria; Span. celouria; Arab. julwar; llin. nirthisi), The root of a plant which grows in Malabar, Ceylon, Cuchin-China Se, of whieh there are three distinct species. It is brought hume in pieces of varlums sizes, externally wriaklen, natl of an ash colour, but intermally if a brownish red. Those roots which are heavy and free from worms are to be chosen; rejectheg thove which are decayed and broken. The onlour of zelomery is fragrant, nad somewhat like that on camphor: the taste biting, aromatic, and hitterish, wilh wome legree of acrimony. It was liomerly emploved in medicine, but is seareely ever used by molern practitioners. (Milburn's Oripht. (imm.)
AINO or SPBLTER (Ger. aink; Pr. zine; Span. zimero, cinck; liuss. sehpiauter; Lat. zin(cum). A metal of a brilliant white colour, with a slate of blae, composed of a mumber of thin plates alhering together. When this metal is rubled fir some time between the tingers, they aepuire a pecaliar taste, and emit a very perceptible smell. It is rather solt; tinging the dingers, when rubbed upon then, with a black ollum. The specitic gravity of melted zine
 teemed the purest. Wheu hammered, it becomes, as high as -1908 . 'This metal forms, ats it were, the limit between the brittle and the malleable meals, lts malleability is by mo means to he cenpared with that of copper, leal, or tin; yet it is not brittle, like antimony or arsenic. When struck with a bammer, it does not break, but tield, and becomes somewhat thatter: :and by a cautions and equal pressure, it may be reducell to petty thin plates, which are supible and elistic, fut camot be folded without breaking. When
livated to abnit 10100 , it becomes so brittle that it may he reduced to puwder in a mortor. It possesses a rertah degree of durtilter, and may, with care, he drawn out into wife. lts tomacity is such that a wire whose dianeter is cepual to首 inch is capable of supporting a welsht of abwat 2f: 16 . Zine las never been fomid in a state of purity. The worl zlue oecurs fior the Irst time in the writhgg of laracelsns, who dled in 1.11: but the method of extracting it from its ores was not known till the enrly part of last celitury. ('Thomsenin's Chermistry; see alsu Dre's Dirtimary ly Itumt.) The componuds of ainc and enpper are of great importance. [His.ass.]
. Wumüneture of Zine: $\mathfrak{\&}$ r.-The material used by the bimplish manufaeturer is blowle, wr back jack (sulphuret of zinc) ; it is commomly fomme with leal, and is prosured of the best plinity in Flintshire and the Isle of Man. Ilexder itsemployment in the manufacture of brass, hell metal, and other important empounds, zlase lias of late years been formed into plates, and applied to imay purposes for which leml wha furmerly used, such as the roothg of buililimge, the manufurture of' water-spouts, dalry pans dee Pooreign zine, being less brittle, is better titteil for rolling than that of Euchand.

The duties on spelter, which were formerly probibitory, were raluced lin Ix:l2 to 21 . per ton on that liomed into plates or cakes, and to Los, on what is erude. 'The duty on the latter, aiter being farther reduced in $2 \times 12$ to $1 x$, per tom, was repeated in 18 ti . In consepuence of the", raductions, considerable quantities aro me imported, partly fior home nse, and partly for reexportatiun to India and other comentries. Fureizn zine is prineipally made in Upper Silesia, whenes it is conveyed by intermal unvigation to Dantzic, Stettin, and IIanlury. The freight from the latter to llull and Lamdon is mminal merely; the wool-xhips being giad to thke it as ballate. ILainault, near Namur, has also some part of the apelter tralle. A good deal of speiter is shipped from Lamburg tior France and America.
Tine is prowluced in the province of Yunan in China ; and previously to 1820 largo quantities of it were exported from that empire to India, the Malay Archipelago dec. But aboutt that tiane the itree traders hegan to convey buropenn spelter (principally (aneman) to India; nud being, though less pure, decidedly cheaper than the Chinese article, it has entirely supplanted the latter in tho Caleutta market. In 1867 the exports of foreign and native spelter from this comutry for India amomitel respectively to 421 and 1,610 tons; in addition to which considerable quantities were exported from Amsteriam, Rotterdan de.
In 18:57 we imported 24,3832 tuns ernde, and 0. 886 toms rolled spelter. By tar the largest jortion was brought from l'russia by the chamel

 amonited to 6,782 tons，principally to the Biant hatiow．
ZoldNEMP：N（literahy（＇ustoms＇Union）．As a compond worl，it means the asobiation of a number of states fier the establishment of a common customs law and enstoms line with rexaral to fircign romatriss，and the suppression of hoth fin the interemuse of the states with ench ohere within the border line．The compound word， however，has gilimed the meming of a proner mane for the German t＇untoms Lengue；this rustoms mion havine obtaned a dreat political
 the mily tie holding tagether the seatered parts of the Fiatherland．
Next to the ellorts of the I＇russian Govermment to difluse the hessings of ednation，their efferts to intraduce a free momercial system into（ier－ many constitute their hest clam to the gratitule and estrem of their owa subjects and of the world．tiermany，as everyone knows，is divided into a vast mumber of indepembent，and mostly petty，states．lintil a very recent periokl，every－ one of these states had its own custom－houses， and its own taritl and revenue laws；which frepurnty differed very widely indect from those of its neighbours．＇The intermal trade of the commer was，in emsequence，subjected to all thase vexatious and ruinons restrictions that are usuatly laid on the intercourse between distant and indepudent states，Barh pety state en－ deavented either to procure a reveme for itself， or to advance its own industry，by taxing or probithiting the productions of those by which it was surrumbed；and enstoms oflicers and lines of custom－houses were spread all over the comn－ try．Lustead of being reciprocal and dependent， cyeryhing was separate，independent，and hos－ tile ：the commodities almitted into llesse were prohibited in baden，and those prohibited in Wirtemberg were admitted into Bavaria．It is nelmitted on all hames that mothing has contri－ buted so much to the growth of intustry and wealth in（ireat lbritain as the perfect freetom of internal industry we have so long enjoyed，and that intimate correspondence anong the varions partes of the empire which has rendered each the best inarket for the products of the other．Lhew different would have been our present condition lad each countr been an indepentent state， jealous of those around it，and ansions to exalt itself at their expense：1 But，nutil within these few yeurs，this was the exact condition of Ger－ many；and，considering the extraordinary ub－ starles such a state of things opposes io the progress of mandactures，commeree，and civilisa－ tion．the wonder is，not that they are compara－ fively backward in that eomery，but that they shoud be so far adranced as they really are．
Ihut，thanks to the intelligence and perseverane of l＇rusia，this anti－sucial system has been well nigh suppressed，and the most perfect frectom of conmeree established amonis the great bulk of the tiermamic mations．The disadyantages of the wh swatem had long heen seen and deplored by well－informed men；but so many interests hail grown up under its protection，and so many derp－ rustel prejudices were enlisted in its favour，that its owertirow seemed to be hopeless，or，at all events，execelingly distant．The address and resolution of the l＇russian（iovernment，however， trimuherel aver every olstanle．Being fully improwed with a strong sense of the many advantares that would result to Prossia and （iermany from the introluction of a free system that prohtued comvietion，and with＂d derma－ mation，coute qui coute，to mary their puint．

The lirat treaties in thrtheramere of this objeat were nerotiated by l＇russia with the grincipalities
 Ruduhtalt，in 1 kis and 1819，on the principle that there should he a perfeet fircelom of com－
 the dutims on importation，＂xportation，and tran－ sit，in Iruscia and the prinemplitios，shond he illentical：that these shomble bharged along the fromitier of the clominions of the contratime partios ；mul that each shombly participate in the prorluce of sumblaties，in propertion to its pupu－ lation．All the trenties suliserpuently enteredinto have been lounded on this tair amd equitable printiple；the muly exeptions to the protect freplom of trade in all the comotries comprived within the lengue or tarifi allime being combined， Int，to artiches constituting state monombins，als salt and cards，in I＇russin；：2nd，to meticles of native produce，burdened with a dillerent rate of （laty on comsumption in ome state from what they 1My in another ；and，3rel，to artioles produceid enider patents contirring on the patentere cottian privileres in the clominions of the states sranting the patents．With these exceptions，which are not very importimt，the most perferet freedon of commere exists among the allied states．

Since 1 six ，when the fomblations of the alli ace were laid，it hats progressively extembed，till it now comprises more than three－fourthe of the Ciermanic states，exclusive of Austria．Buest Hesse joined the alliamee in 18：2x，amd Electoral Ifesse in 1831；the king doms of lhavaria，Sixane， and Wirtembers juined it afterwarls，as have laden，Nassan，and almost all the smaller stat＂s Which have siner been ammexed to or are still nominally independent of l＇russia，with the ex－ eeption of Meeklenburs－schwerin mal Mecken－ burg－Sitrclitz．

In 1865 the \％ollverein or tarifl alliance com－ prisel－

|  |  | ficrman sy．miles | I＇cimplation in Intal |
| :---: | :---: | :---: | :---: |
| I＇rusaia |  | 5．148 | 19， 424.251 |
| Ifavaria | － | 1，3119 |  |
| Sixuny | － | $2 \% 2$ | $4,315,41$ |
| llanover | － |  | b，11， |
| Wirtembierg＊ | － | Sil | 1，－18，34 |
| Ihuten（thuchy of） | － | $2 \cdot 1$ | 1，126， 414 |
| llesse（Elertoral） | － | 20.3 | 716，${ }^{\text {a }}$ |
| liesse（luachy） | － | 1.14 |  |
| ＇The＇＇huringhan States | － | 2.75 | 1．103，${ }^{\text {and }}$ |
| Jirunswirk（1）uchy of）－ |  | 6.3 | 2tis．is |
| Oidenliurg－ |  |  | リい， |
| Nassau | － | 85 | $4 / 5,5$ ］ |
| Frankfirt | － | 星 | ！28： 11 |
| luxemburg | － | 17 | 2023 |
| ＇Putal | － | 内，пいい | 35，435，424 |

Throughout the whole extent of this inmense country，from Aix－la－Chapelle on the rastern conlines of the Notherlamds，eastward to＇libit on the contines of Litssia，and from Stettin sum Dantzie southwards to Siwitzerland and balumia， there is nothing to interrupt the fre chom of com－ meree．A rommodite，whether for consmution or transit，that has once passed the frontier if the leasue，may be subsequently convered，without let or hindrance，throughont its whole extent． lastead of heing continel within the narrow pre－ cinets of their own territories，the produetsuf warla separate country of the alliance may he sent to every one else；so that each may aploly itsilf in preference to those departments in which it has some natural or acquired advantage；mul emel has to depend for its sucees，not on the niserible resource of customs recgulations，but on its skill
ev pursited the measures cit with an carmestnoss ，and with $n$ diterma－ carry their print． rthermure of this whjeet a with the primeipalities ansen and Lichwarghurn－ 1819，wh the prinejpe nerferet trumbon of com－ itrices and l＇rasin；that 1，expurtation，inel tran－ nincipalities，slomal lo ilit be chargigl alomer the ins of the contrating hondel participate in the 11 proportion to it．pur－ ulserpuently entored into this thir and equitathe ropitions to the jurfert the romintries comprisel finalliance being contined， inir state momopulins，ns sia；End，to artieles of d with ndiflerent rate of bine state from what they 3ril，to artieles proditerid ；on the pratenters rortain ms of the states sranting se exaceptions，whidh atre inost perfiect frecolom of the allied states． comulations of the alli．nee essively extenden，till it han three－fourthe of the sive of Anstria．Wucal ce in 1828 ，mol Filectoral fome of Pavaria，sixamer， d it afterwards，ins have oost all the smaller stats； ammexel to or are sitil of l＇russia，with the ex－ f－Schwerin and Mockla－
（1）or taritl alliance com－

| （icrman sq．miles | P＇quinion in｜ab｜ |
| :---: | :---: |
| 5,148 | 19， $1 \times 295$ |
| 1，3196 | 1，1， $1,10,4$ |
| $2{ }^{2} 2$ | 2，313， 3,414 |
|  | 1，130ご2 |
| Sil | 1，－18，354 |
| 2：1 | 1，126，29 |
| 20.3 | 7 $16.24{ }^{\text {a }}$ |
| $1: 1$ | 811， 5 \％ |
| 29.7 | 1，103， 5 Sn |
| 6.3 | 215，ins |
|  | 411.107 |
| 8.5 | 46,511 |
| 4 | 42， 11 |
| 15 | 2012.43 |
| S．30： |  |

＂extont of this immonse hapelle on the cistern nids，eastward to＇Tibit on alle from Stettin and ＇witzerlam！and bohomia， rupt the frcedom of com－ Whether for consumption pissed the frontior of the ently converad，withont ghout its whole extent． （d within the narrow pre－ nies，the prodnets ol ewh alliance may lue sent to each may aply itarlf in rtments In whish it has －d advantage；and each coss，not on the niterabli dlations，loat on its ：kill

ZOLLVEREIN
and industry．The competition thenee arising is most salutary ；and，should the peace of buropo be preserved，we run little risk in saying that all surts of inluntry will manke mare progress among the states comprised within the taritr allinnce， clarimes the next ten years，than they did charing tho half century previous to its being organised．

An assembly of representatives from the alliod states meets annually，to hear complaints，auljusi ditliculties，and make such new enactmentis ns may neem to be required．The Prussimu tariff hats been adopted，with certain moditiontions． The dinties are received into a common treasury， and are apportioned necorling to the population of each of the allied states．In moldition to its other advantages，the new system has redued］ the cost of collecting the cinties to anmere trifle， eompared with its former amount；and has enabled lundreds of custom－houses，and thonsands of cus－ tomes oflicers，to be employed in the diflerent de－ partments of industry．

The diserepraney in weights and mensures used in different parts of Germany occasioned con－ siderable ineonvenience：and it is important that the equalisation of weifhts and mensures，nud their reduction to a common standard in all the allied states，is declared to be cne of the oljects oi the Leaguc．

It is also expressly provided that the tolls，or other charges in lieu thereot，shanl，in all cases， whether they belong to the public or to private individuals，be limited to the sums required to kepp the roceds in a proper state of repair；and that the tolls existing in l＇russia shall be considered as the highest that are to be levied，and shall not in any case be exceeded．
It was at first supposed by many persons in this comntry，und the opinion is not yet entirely abandoned，that the Prissian league was in some degree directed against us，and that，at all events， it threatencel to be very injurious tor our trade with Germany：we do not，however，belicve that there is any foundation whatever for either of these opinions．The alliance was planned，and brought to its present advanced state，in the view， and with the intention，of putting down the galling and innumerable restraints by which the intereomse of the German states with each other was formerly interrupted；and not with the in－ tention of throwing any obstacles in the way of the trade of the allinnee with foreign countries： it is，indeed，quite absurd to suppose that it shoulh have this ellect．The freulom ot internal commeres will do ten times more to promote the industry and prosyerity of the allied states than any other meanme，or system of mensmere，that their governments could have ndopted；annl， as population increases，and the inlabitants be－ come mere industrious and wenlthy，there will， no doubt，be an nugmented demaid for foreign products．The lengue is now no new thing，It originated half a century ngo，and has been pro－ gressively augmented；but，litherto，it has not had the slightest influence in＇iminishing our intereourse with Germany ；ou exports to it，in－ cluding llolland and Belgium，naving been greater on an average of the last tive years than at any former period．［Imonts anis lixbonts．］Ge－ nemally speaking，the duties on imports are rea－ sonable－at least，on all the finer goods．It never， in fact，em be the policy of the alliance to make them oppressive；for，though certnin states may erroncously suppose that their interests would be promoted hy such means，others would un：－ donbtedly be of a diflerent opinion，and would resist any attempt to carry them beyond a rea－ sonible amount．It is a mistake to suppose that
in such matters Prussin has such an overwhelming influence．She must conmeiliate the whtur stater， and carry them along with her；and this can mily be done by acting on fair principhes，mul with a vien to the common interests of the alliance．

Itesites，if any of the existing duties be exor－ bitant，wr it any of them，that are at present moderate，shonlif be subsequently raised to an exorbitant pitch，does any one simpose that the over－taxim！artich．4 would not lie immediately sungerled into all parts of the learue？Wre，whan ocenpy an ishand，and lave revenum crusers and coast ghards on all the seas and shomes most arcesvible to the smugisler，knuw from exprianea that it is not possible to hinder over－tancod eom－ modities from making their way into our markets． But the faeilities for smuge！ing into the territures of the longue are inemmarably armater．It has it land frontier of several thousind miles；und thourth the whole I＇misian ：amy were emplosed for that purpose，it wo＂以＂Mind that it was utterly impotent tu？＇its：he territories of the league from bein！and with such over－ tased commodities as wire in demand by thos inhabitants．

We are flad to be able to，arengthen our view of the inilumee and oljects of the l＇russian com－ mercial lengue by laying before the reader the following extraet from 1 work printed by order of the llomse of leppresentatives of the Amoricant States．＇Prussia，＇it is there said，＇has evithontly taken the lead in this wise and important modi－ sure，to which the smaller states lave gradually aceded．The whule commereial policy of this enlightened power has been distinguished for its likerality，being toundod on the desire of plating． her intercourse with all nations on the hasis of reciprocity．The commercial leasue of Germany is intended to carry out this principle，and not to be lirected，as has been supposed，against any partiendar nation，as it is well known that I＇russia， in her treaties with maritime powers，has inva－ rithly adopted the system of reciprocity，to what－ evacextent those with whom she nequitiatos aw willing to enrry it．The establishment of this community of conmercial interests furms a part of the fundamental compact，by which the new （irmanic Confederiation was created，after the dissolntion of the Conferleration of the Rhine：to be suhsegusntly adopted，howerer，at the option of such of the co－states as should choose to uecede to it．Its effects cannot fail to promote eommeree， and every other branch of industry，as it removes all those vexations mal conlless difliculties whieh previnnsly obstructed the freedom of interconrse． Navigalile rivers and highways are now opened to the unfettered tase of the（ierman peopile；the customs and toll－houses，with their oflicers and bariers，lave been withdrawn from the interior， and the whole intereommunieat Jon resembles that of the sulgjects of any one of the states within its own territories．To these bencits may be addal the assured prospect of improvement in the finances of the great and smaller sovereigntics composing the leagnc．＇I＇his advantuge will grow out of the simplicity or unity of the new system， a saving in the eost of collection，and from the increased consumption whieh removated inmastry and progressive properity so invariably canse，＇ （Digest of Customs Lutes，vol．iii．p．227．）

I＇russian Duty on Cottons，－The duty on cotton goods being that in which we are most interested， we took（priur to the late alterations in the Zoll－ verein tarifl＇）some pains to ascertain its real influence．＇Jlis duty amounted to 50）riv－dollars per I＇russian quintali on all cotton goods，without respeet to quality or price；und，takinis the quin－
tal at 113 ll . ayoirdupols, and the rix-dollar nt 3s., it was equal to 71.10 s . prer 113 Ib . Now we learn from statements cobliginty furnished to us by a large wholesnle honse in the City-

1. That a quintal ( 113 lb ) of coarse shirting, worth tad. per yard, contained 497 pards; it consequently cost 81 . 6s., nud the l'russim or taritl nlliame iluty of 7 . 16 s. on it was, therefore, equivalent to an ad valorem duty of :0 per cent.
2. That a quintal of superior shirting, worth 18 . per yard, contained 45 - $\%$ \%ards ; it consequently cost $22 / 1$ ITs. $\bar{\sigma}$., making the I'russian duty on such goods $32 \frac{1}{2}$ per cent.
3. That a quintal of printel cottons, worth 1s. Gel. per yard, contained $\mathbf{i} 33$ yards; it consequently cost $47 /$. $9 x$. , making the Prussian duty on such goods 15 年 jer cent.
4. That a quintnl of fine printed cottons, worth $2 s$. 6 f . per yarid, contained 6 iz 8 yards; it consequently cost K 41.15 s ., manking the l'rissinn dity on such goods 8 ? per cent.
It is pinin, therefore, that, except on the coarsest and cheapest species of goods, the l'russian or tariff alliance duty was very far from being oppressive; and, as the value of coarse goods is principally dependent on the cost of the rnw cotton and the wages of labour, being but little influenced by superiority of machinery, it is not very probable that we shonh export them largely to Prussia, even were the duty materially reduced. No donbt, however, it would conduce greatly to the interests of the people comprised within the league, though we do not know that it would sensibly affect us, were the duty nssessed on an al valorem principle, nad made 20 or 30 per cent. on all goods; mid we should think that this might be done without any material diffienlty:
The subjoined translation of the more importnnt clanses of the Customs Treaty of March 22, 1883, sets the principles on which the allinnce is founded in a clear point of view.

Customs Trenty, conchnded March 22, 1833, betueen the Kings of Bavaria and Wirtemberg, on the one part; and the King of Prussia, the Prince Electoral Co-Regent of Messe, and the Grand Duke of' Hesse on the other prort.

1. The existing Customs' Union between the atntes above nmmed shall henceforth constitute a General Union, united by n common system of customs and commeree, embracing nll the comtries comprised therein.
1I. In this feneral re-union are also comprised the states which have already athered, either for the whole of their territory or for a part, to the system of customs and commerce of one or other of the contracting states, having regnrd to their special relations, founded upon the conventions of adhesion concluded with the states which have intervened.
III. But there will remnin excluded from the general re-union the parts separated from the countries of the contracting states which, because of their situntion, are not yet included cither in the re-union of the Bavarian or Wirtemberg customs, nor in those of Pruszia and IIesse. Nevertheless, the regulations now in force to facilitate the commerce of these territories with the principal country will be maintained. Other favours of this kind cannot be accorded without the unanimons consent of the contrneting states.
IV. In the contracting states there shall be astablished uniform laws for the duties of import, of export, and of transit, except such modificutions as, without injury to the common olject, result necessarily from the particular legislation of each contracting state, or from local interests.

Thus, exceptions and modifieations to the common turiff may take place, as to rates of duties of entry, of export, and of transit (accorling as the directlon of the routes of commere may repuire) estallished upon articles recognised as of minor consequence in extensive commerce; providel always that these moditications be preforred by separate entates, nud that they shall not he disadvantageons to the general interests of the Association.

Ths adminintration of the duties of inport, export, and transit, as well as the organdation of the anthorities which ne engaged thercin, in all the states of the Asworiation, shall be established upen a miform footing, laving regare, however, to the particular relations existing in those countrics. The laws and ordinanees which, aceording to those principles, ought to be uniform in the coutracting states, and which are to censtitute the law of the tariff and the regulations of the eastoms, shall be considered as an integral part of the present treaty, and shall be published nt the snme time.
V. There can neither be alterations, nor adilitions, nor exceptions, to the Acts above mentioned (Art. IV.), hut by the unanimous consent of all the contracting pirties, nad in the form required for the making (eoufection) of the laws.

The preceding upplies equally to all the ordinances which would establish, for the administration of the customs, dispositions entirely diflerem.
VI. Liberty of commerce, and community of the receipts of customs, ns regulated by the following article, will commence simultancously with the operation of the present trenty.
VII. Dating from this epoch, ill duties of int port, of export, and of transit shall canse on the common frontier of the Bavaro-Wirtemhery nud Prusso-IIessian eustoms re-unions. All articles of free commerce in one of those territories may he imported freely and without duty into all the others, except only ns follows :-
A. Articles monopolised by the stntes (playing cards aud salt) conformnile to Artictes IX. and X .
13. Indigenons articles, now suliject in the interior of the contracting states to different duties, or excepted from all duty in one state, and importel into another, and which aceording to Article II. ought consequently to be suljeet to a duty of compensation.
Finally, C. Artieles which, withont prejulice to patent rights or conceded privileges in one of the contracting states, enmont be imitated or imported, and ought consequently to be excluded during the existence of the pitents and privileges from ingortation inte the state which lons granted them.
V1II. Notwithstanding the fredom of commerce, and the exemption from duties, established by Article VII., the transport of arti" 'rs of commerce, sulject by the common tarift t duties of import or export on the frontiers of the Anstciation, cannot take place between the ates of Bavnria and Wirtemberg, and the st.tes of Prussia, of Electornl II esse, or of Grand lucal Hesse, and reciprocally, except by the public ronds, military routes, and navigable rivers. For this purpose there shall he established on the interior frontiers common bureaus of verilication, to which the conductors of merchandise must, "un exhibiting their lieenses, declare what are the articles which they are employed to tramport from one territory to another.
This disposition will not be applicable to relail commerce in raw materials, nor to the petty- conimerce of the frontiers or the fairs, nor to the effects of travellers. Process for the verilication of merchandise will go no further than is rempred
orlifications to the com, is to rates of dinties of ansit (accorting as the commeree niny reguire) recognised as of minor e commerce; provided ations he preforred by rey shall not lie disalvaicrests of the Association. the duties of import, ell as the organisation are engaged therein, in sociation, shall he estifooting, having regarel, ar rclations existing in s and ordinances which, les, ouglat to be uniform and whic's are to conff and the regulations of nsidered as mm integral $\rightarrow$ and slanll be published
be alterations, nor ndilithe Actsalove mentionerl nanimons consent of all and in the form required m) of the lnws.
equally to all the ordihlish, for the alministriasitions entirely different. eree, and community of s regulaterl by the follownee simultaneously with ent trenty. epoch, ill duties of inransit shall cease on the Bavaro-Wirtember: and batvaro-wnst All articles of those territories may withont duty into all the llows :-
sed by the states (playformable to Articles IX.
les, now subject in the cting states to dillerent all dinty in one state, and and which according to fuently to be subject to a
hish, without prejudice to d privileges in one of the t be imitated or imported, to be excluded during tents and privileges from te which lins granterl them. ng the freedom of eomnfrom duties, established nsport of artic 'es of comommon tariff $t$ Iuties of he frontiers of the Asschee between the ites of erg, ant the states of tesse, or of Grand Ducal esse, or of by the public nd navigable rivers. Fon all tre established on the on bureaus of veritiention, ; of merchandise must, til es, declare what are the e employed to transport not he applicable to retail als, nor to the petty comor the fairs, nor to the rocess for the verification to further than is repuired
for securlty of the duties of compensation. (See Art, V1I. 13.)
XIII. The contracting parties rectprocally renew their abliesion to the principle that the tolls, or other charges in lien thereof, shall only be sufficient to defray the expense of maintenince and repairs of the roads; whether the tax be for the state or for private rights. It was thus that has been approved the supplement to the duty of customs, created in Bavaria and Wirtemberg, to replace the cluty of tolls, pinving, calleseways, briegres, and generally of all malogotis taxes.

The tolls de, now existing in l'russin, nccoreling to the general tariff of I828, slanll be considered as the highest rates, and shall not be exceeded in any of the contracting states.

In accorlance with the prineijle thas annonnced, the individual duty for closing the gates of cities shall be abolished; as also the daty of paving of causeways, where it still exists; and all paved roads will be considered as canseways of a deseription liable only to the duty on canseways established by the general tariff.
XIV. The contracting Governments agree to mite their efforts to intruduce into the states a uniform system of coins, weights, and measures, to commence immediately after the requisite negotiations for this purpose; and, subsequently, to direct their ellorts towards the adoption of uniform custom-house weights.

The contracting states, in the impossibility of establishing this uniformity before this treaty goes into operation, agree, for facilitating the forwarling of merchandise where it has not already been done, to revise their tarifl as to weights and measures, assmming for a basis the taritls of the other contracting states. They will canse such modifications to be published, for the goverument of the public and of their custom-house bureaus.

The cemmon tariff (Art. IV.) shall be divided into two prineipal divisions, according to the system of weights, measures, and moneys of Bavaria, and that of Prussia.

The declaration of the weithts and measures of articles subject to duty shall, in Prussia, be according to P'russian weights and measures; in liavarin and Wirtemberg, according to those of Bavaria; nnd in the two IIesses, according to the weights and measures there legally established.
In expediting custom-house Acts, the quantity of merchandise must be expressed accorting to the two principal divisions of the common tariff.

Entil the contracting states agree upon a system of common money, the payment of duties in each state shatl be made in the same currency as in use fer payment of its other tixes.
lhat from the present time, the gold and silver eoins of all the contracting states, with the exception of small money (shreidemunze), shall be received in all the bureans of receipt of the Association; and for this purpose tables of value shall be published.
XV. The duties of navigation upon the rivers, comprising therein those which apply to vessels, shall always be mutually aequitted aecording to the Aets of the Congress of Vienma, or of special eonventions, upon all the rivers to which these regulations apply, unless other determinations be adopted in this respect.

The contracting states agree to enter, without delay, into negotiations for that whieh particularly regards the navigation upon the Rhino and the neighbouring streams, in order to effect in arrangement by whiel the import, export, and transit of the productions of all the states of the Union upon said streams shall be, if not absolutely free, at least relieved as far as possible
from duties of navigation, under the reserve of charges of reconnoissmece.

All the advantages granted by one state of the Union to its smbects, in the expreise of the navigation npon said streams, shall extend equally to the navigntion of the other associated states.

Upon the other streams to which neither the Aets of the Congress of Vienma nor any other treaties apply, the cluties of nurigation shall be necording to the precial regulntions of the Governments interested. Nevertheless the subjects of the contracting states, their merelnandise and vessels, shad throughont be treated on those st reams with perfect equality.
XVI. Dating from the day on whieh the general custem-house regulations of the Union shall come into operntion, the claties of public stores (etapes) and of transhipments (muschluynechte), which still exist in the territories belonging to the Association, shall cease, and no one shall be liable to forced delay, ner to the discharging und storare of his merchandise, except in cases anthorised by the common regralations of the customs or naviration.
XVII. No duties shall be claimed for canala, locks, brielges, ferries, cranes, weighing and storage; and the establishonents destined to facilitate commeree shall not be allowed rent, except when actually used. Charges emonot be inereased; and the subjects of the other contracting states shall be on a perfect equality witl the subjects of the countries having those entablishments.

If the establishments for weighing and eranes are only used hy the castom-houses, no charere shall be made, if the artich s have been previonsily weiphed at a custom-house.
XVIII. 'The contracting states engage to continue their common efforts for the encouracement of industry by the adoption of uniform regulations, so that the subjectis of each state may enjoy, as extensively as possible, the privilege of seeking work and oceupation in every other slate.

From the coming into operation of the present treaty, the suljects of any one of the contraction states, trading or seeking employ in the turritory of any other of those states, shall not be subject to any impost which does not equally allect the native similarly employed. Namufaturers and merchants who are only making purchases for their trade, or travellers who have not goads with them, but simply patterns for the purpose of soliciting commissions, shall not, when thus employed, have any duty to piy in another state, ir anthorised to carry on such commerce in the state where they have their domicile; or if employed in the service of native manufacturers or nerchants.

When trading in the markets and fairs, or when they are selling the produce of the suil and tabrics, in any one of the states of the Association, the subjects of the other contrneting states shall be treated in all respects as subjects of the same state.
XLX. The scaports of Prussia shall be open for commerce to all the subjects of the states of the Union, on payment of the same duties as are paid by Prussian subjects, and the consuls of the several states in the seaports or phaces of forcign commeree shail be bound, in eases of need. to assist with their alvice and support the subjects of the other contraeting states.
XX. To protect against contraband their common enstom-house syste $n$, and to insure the regular payinent of the duty of consumption in the interior, the contracting states have coacluded a reciprocal eartel, which shall be entoreed as soon as possible, but, at the furthest, at the same time with the present treaty.

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XXI. The community of recelpts of the contructing states, stipulated by the present treaty, shall comprehead the product of duties of entry; of export, ind of transit, in the lrussian states, the kiagdoms of Bavaria nul Wirtemberg, the Electorate, mid the (irand buchy of Il esse, comprising therein those conntries which have down to the present time acceded to the custom-house system of the contracting stntes.

The following are excluded from the community of receipts, null remains reserved for tho partienhar bencit of tho respective Govermments:-

1. The imposts collected in the interior of rach state on indigenous prolucts, comprising therein the compensatory duties reserved in Article XI.

2 . The toll on rivers, to which are applicable the regulations of the Acts of the Congress of Viemna, or special eomventions. (Article XV.)
3. Duties of paving, of causeways, of bridges, of ferries, of canals, of locks and ports, charges of weighing and storage, as well as similar receipts, whatever may be their name.
4. The thies and contiseations which, beyond the part allowed to informers, remain the property of each Goverument throughout its territory.
XXII. The produce of the duties received into the common treasury slanll be divided among the states of the Association, in proportion to the population which may be fomm in the Union, subject to deduction, list, of the expenses specitied in Article XXX.; 2nd, of the restitution of erroneons receipts; Brd, of the restoration of tuties and dimimutions made in consequence of special common conventions.

The popmation of every state which has entered or may enter into the Asacociation, by treaty with one or other of the contracting stites, under the engragement inade by the litter, to make an amual contribution, for the participation of the tormer to the common revenue of tho enstoms, shatl be adiled to the population of the states Which make this emonibution.

There shall be made every 3 years, dating from a periond to be hereafter fixcel, an exact emmeratiom of the population of the nssociated states: the states shall reciprocally communicate the resultes thereof.
XXIII. All restitutions of duties not authorised by the legishation of the castoms shall remain eliarged to the treasiry of the Government which shall have granted it.

Conventions, hereafter to be concluded, will regulate in what censes similar restitution may be aecorded.
XXIV. In conformity with the olject of this Associntion of Customs iending to facilitate a freer and more natural commercial intercourse, the fivours accoriled for the payment of customhouse duties at certain places in which fairs are hold, especinlly the privileges of abatement (ruthat privileyien), camsot be extended to those states of the Association where 'hoy do not exist; on the contrary, they shall be restricted and ubolished as far as possible, regard being had to the meuns of sulsistence of the plaees heretofore fivoured, and to the commercial relations which they have with foreigners; but others ean on no iccoment be gramted without the gencral consent of the contracting parties.
XXXIII. There shall every year; on June 1, be an assembly of plonipotentiaries of the Governments of the Union empowered genurally to deliberate; and each state may send thither a duly muthorised representative.
The pheniputentiaries will choose from among
themselves a presilent, who, however, shall linve nio, pre-eminence over the other members.
The ilrst assembly shatl be held at Munich.
At the close of ench annual assembly, the place of next meeting will be determined, having reference to the nature of those sulyjects which will then come under diseussion.
XXXIV. The assembly of plenipotentiaries will have under its considerati $m$ the following subjects:-
A. 'To consider the complaints which may have arisen in any of the states of the Association concerning the execontion of the general treaty, of special conventions, of the law, and of customhouse regulations; also of the tariff, when these shall not have been adjustell during the year by correspondence between the different ministers.
13. The detinitive reparation among the states of the Union of the total common receipts, based upon the observations made by the superior anthorities, and veritied by the central burem, as may be rentered uecessary by the common interest.
C. To deliberate upon F opositions and suggestions made by the Govermments for the perfection of the alasinistration.
1). Discussions upen ilterations, demanded by any of the contracting states, in the laws, turifls, and custom-house regnlations, ns well as in the organisation of the ndministration, and in general upon the development and pertection of the general system of customs and commerce.
XXXV. If, in the course of the year, when the plenipotentiaries are not in session, extraordinary incidents should occur, which require promit decision on the part of the states of the Union, the contracting parties will consult upon these through their diplomatic agents, or they will order an extra sitting of their plenipotentiaries.
Recent Chrmges in the Germin Customs' Union. -The discussions in the assemblies of the Leagne were, especially of late years, $n$ good deal inthuenced by politicul comsiderations. A league denominated the Stenrvervin had been formed in opposition to, or in rivalry with, the Prussian leaguc, by Hanover, Oddenburg, and Bruswick. It was evident, however, inasmuch as the interests of these and the other German states were identical, that it would be a great public alvartage were these associations merged into onle. But owing to political, commercial, and linaucial jealousies, this desirable olject was of yery difticult attaimient. At length these difficulties were surmonnted ; and a treaty negotiated between inaover and Prussia, on September 7, 1851, providel for the ineorporation, from Jamary 1, 185t, of the former, and the other statesincluded in the Stentverein, with the l'russian Union. Some molitications were introduced by the treaty into the basis of the League, but they are of little importance, except to the parties immedjateiy interestel.

Treaties with Austria,-More recently a great deal of discussion took place between I'russia and the subordinate Germmen states on the one haud, and Austrin on the other, in regard to the firmation of a Customs' Association which should include the latter; and in order to pave the way for this desirable consummation, Austria issined a new tariff on November 25, 1851, in which she mate many important modilications in the prohibitive systeu on which she had previonsly neted, at the sume time that she estallished a frie commereial intereourse between Hungary (which hall previously a separate eustoms establishument) and the other states of the empire. And though this wise and liberal measure has not yet led to
who, however, shall have w other members. Il be held at Munieh. mual assembly, the place o determinel, having re-those subjects which will 4ion. ably of plenipotentiaries isiderati in the following
mplaints which may havo states of the Associatlon on of the general treaty, of the law, and of customof the tariff, when these usted during the year by the different ministers. aration among the states al common receipts, based 3 male by the superior ul by the central burenu, aecessary by the common
on F ○positions and sugGoveruments for the peration.
nlterations, demandel by states, in the laws, turitls, lations, as well as in the inistration, aml in geucral mit perfection of the geneand commeree.
urse of the year, when the t in session, extraordiuary r , which require 1 prompt the states of the Union, * will consult upon these itic agents, or they will if their plenipotentiaries, e German Customs' Uninn, se assemblies of the league years, $n$ good deal inthuistderations. A league deresiu had been formed in ivalry with, the Prussian Idenhurg, and Irmswick. ver, inasmuch as the inother (ierman states were 1 he a great pulhic atvanciations merged into nle. , commercial, and tinameial e oljject was of very difiecull these difficulties were surnegot iated between llaneptember 7,1851 , providel om Jamuary 1, 1854, of the tates ineluded in the Sterrian Union. Some molitiell by the treaty into the but they are of little imthe parties immediatciy

## a.-More recently a great

 place between l'russia anl ain states on the one haud, her, in regard to the forma;ociation which should inin order to pave the way unmation, Austria issued i er 25,1851 , in which she moditicntions in the provhich she had previotsty - that she established a frie : between Hungary (which ate customs establishulent) the empire. And though heasure has not yet lell tothe incorporation of Auslria into the Customs' further stipulated that the duties to be imposed Linion, it has led to the conclusion by her of several important commercinal trenties: the tirst of thess, with l'russia, was dated Vebruary 19, 1803.
The contracting parties engared to suppress, with a few speritied exceptions, all prohibitions against importing the products of the ome into the territories of the other ; they next establishled a emplete freedom of trale between the fwo comutrics in all articles of raw proluce; und they
on manulactured products should bo moderate and reasmable. It hull a varicty of other clauses, all of a liberal character. The duration of the treaty way limited to 12 years, so that it had expired and was rencwed before lostilities broke out between I'russia and Austria. 'The war of 18ibis affecterl the trale of Ciermany ment injurionsly; and by way of ilhstration we subjoin a statement referring to $1866^{\circ}$ and $186 i 6$.

An Account shrowing the Proportion of the Rerenues of the Germun Customs' Uuion Ruised in the
 fiom Mr. Secretary of Legution Louther's Reporte of July 2x, 1860, und July 29, 1867.


Reurtral of the Zollverein,--'The German States lying to the south of the river Mane having pirsurved their independence ufter the war of patio, were not under any obligation to unite themselves cither politially or commercially with Prussia, or even to renew the Zollecerin which: the war had dissolved. However, a sense of their own interest subseguently indneed the Southern States not only to enter into military ennentions with the lrussian Crown, but to contimue members of the \%oll erein uman andarged basis. On July 8, $18 t \overline{7}$, a new Zollverein treaty hor a further term of years was concluded bet ween the states of the Noridg German Coufcterationamb the south German States, vi\%- - havaria, Wirtomberr, Baden, and Hesse-1 Mrmstadt-the seope of which extends to the whole of Germany, exerpt Austria, inasmuch as the two Meeklmantrgs, and the three lhase Towns, as members of the Sorthern Confeleration, are parties to the last-mentioned treaty, and are represented in the Zollverin coumeils: Uuler the ohl systen, questions were sedted in the Zallsercin eonterenees, in which unanimity was repuired; whereas, mater the new treaty, the legislative power is given to a federal counci of z members, in conjundion with a Customs larliament. In the council, I'russia has 17 votev, aud a veto upon all alterations of existing laws; in other cases the mijority of the comeil decides, Prussia having a casting vote. The Customs I'urliament (whieh met for the tirst time in lerlin on April 2t, letis) is chosen upon the principle of miversal suffrage lie the people of the Suuthern States, as well as of the States of the Kurth Germun Comfederation, and in it all reselutions are passed ly an absolute majority. There is, therefore, every reason to betieve that Prusia and the commercial States of the North will enjoy their the intluener in the comecil of the new' 'ustoms' Cuion, and that the puldic opinion of the nation will he fully and tairly represented in the Customs Parliament.

A dilliculty in the way of the aecession of the two Mecklonhburgs to the Zollverein system was funud to exist in their treaty of 1865 with lrance, by the lifli Article of which the Mecklenherges land engaged not to raise theircustoms duties above the
rate of 1 dolliar per centner, and not to introluce any new dutios whatever. This ditliculty has hee reboved. I'russia has consented to a reduction of the customs tariflion French wines, and some other articles; and the two Mecklenburgs are left at liberty to cuter the enstoms frontier of the North (ierman Contederation, and tu faltil all their engagements as membery of that alliance. The arrangements for that jurpose are expected to be suen comphetel ly the Fetheral Cnuacil, and the early admission of the two Mecklenburgs within the customs line muy mow be anticipated.
Schleswig and lolstein retained their old tariff for some time alter their muesation to the P'russiam Monarchy, hut towards the end of A pril $181 ; 7$ a rovalordinane put the Zothere in tariff inte fore within looth Duelhies; nud on November 15 they were formally jneluled within the limits of the Zollvercin itsilf. 'The town of Altona was, howreve, exerpted, and has been allowed for the present to romaina a tree port, with similar privileges to those cujuged lay the ncighthmaning territory of ilamburg. The transit duties formerly levied on gouds passing through these Duchies are now entirely abolished.

The tarilf and regulations of the Zollverein were likewine applied to the Ducly of Lamonhurg as a part of the I'rusim Monarehy on Jamuary 5, 186s, and the tramsit duties loug charged on the passage of goouls through that buchywere then aloulishect. By these sever:ll extensions the \%ollwerein frontier has been hrought down to the bilhe, subject to the exemptims temporarily granted to llamburg and Altoma as ports ot free importation.
(bmmercal Treaties.-Ammur the commercial treaties lately coneloded ly the zobluerin, that with Austris, dited March 9 , IeGs, stands prominent on acconat of the reluctions of duties and the increased facilitios of tratlic, for which it stipmhates. The provisions of the former eummercial treaty bet ween the same proties of $A$ pril $11,186 \overline{0}$, are imuch enlargel ; and in return fur numerous reductions to be male by Austria the Zollverein phedges itself' to lower its customs tariff ns regards the importation of pier iron, linen yarn, wine, horses, and various other articles The expurt dutics (with 2 or 3 exceptions), as well as the
transit duties, are on beth sides nholished. Of duties in the tariff of the (ierman Customs' Union the mivantures of the hast trenty with the \%ollve- lave underpone many modideations. Hint except rolu, the United Khurdonn will purtake in conseyoucer of the ' most finvoured mation clanse' in our treaty with Austrin. ['Theathes (Austhas).] $\Lambda$ trenty of mavigution with ltaly land hern previomsly comehnded on Oetolicer 11, isitia and more recently, March 10, istis, a treaty of commerce nud mavigntion with Spain has been amomeed, wherely the Zollverein has the right of trading on tha most finvoured footheg with the European portion of the Spanish momerchy, and his comcoded reelprecent privifoges to Spialn in the states of thas Union. The differential duties which have litherto existed in S'puin in favenr of certnin articles of Fresel prodace and manufacture have In consequence of these mad other clanger, the belucficiad influence.
man Customs' Union cations. Bhe except hey continue, xprakati, A derchatithon inslon daty tree incou rein of pinterox mini ercinl truyellers, has - Guartte.
lansia in lehalf of - bean manacerasfal. cr resident at llam-
(I prow he presurved, the \%ollvarela mint iy and so great, that "Aasting linterconrse, ee the extent nor thas

## SUPPLEMENT'

##  [Con'sty Canime] <br> ALE AND Blitit. By the Wine and beerof Mareh lib, Isf(\%) [Smas.] <br> AMS'TERDAM. The fillowing statiatienin re-

 of refreshment honses in England, mal of the retailing of beer, chder, nul winc, is transliercel from the excise to the juxticers assembled at the promeral munull liecosing meeting, and the provisions ol 9 (ieo. IV.e. bl are dechared to be applicable to prants of certilicates muler the wew Acl.; stipnlating, howerer, that such certifiontere are not, exeyt nater extraminary eimematanew, th be: refused where the liguors are wot to be cos:sumed on the premises.
The 32 \& 33 Viet, e. 11 subatitutes for the customs' duties chargeable on beer and ale in the tariff, on imporiation into the Vnited Kimgdom, the: fillowing dulies after June 1, I86:9, viz: -
Ther aut ale, nannely-
Nuth, the tarrif of thirty-nix gallons

- :ishict, the worts or which werr, lefore fernientation,


Brideding one Hhatianol one fiundred ant njucty of other surts, vic.-
Hewr, the worts of whath wer., If fue bermumation Hevr, the worts of whath weris is. fice bormurdititin, sixty-five tedrew, the liarrel of charty-ais pallons of s
 barrel of tilrtyesix piallows nincty degrees, the tarnci 011 in Fireeding! one thonand ant! nincty degreea, the tarnc! of thirty-nix gallons
Aud in eharging the above rates of duty mpon the importation of beer, the speceifie arivity of the wurts from which the same was male shatl le aseertained nud determined in the mamor priscribed by 15 \& 29 Vict. c. 34 s .16 , fir aseertaining and determining the rates ol drawback on the expertation of hare.

ILICANTES The values of imports and exports in British vessels at Alicante in $1 \times 6 \mathrm{~B}^{2}$ and lutix wre:-

| Siesis | Ships | 'lous | Vulue of lapports | $\begin{gathered} \text { 'alut } \\ \text { of lixportx } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 1867 | 119 | 91,0,34 | $\underset{31, m, 3 \%}{ }$ | 13, ${ }^{2} 314$ |
| 1454 | 511 | 21.869 | W1,6,i | 476.1 |

The inerease in the value of imports was raused lyy the merival of some british vessels with whent from the Black Sea. During 1868 the trade at this port did not increase, but the duties oll goods imported, and port duties, which in 1867 amounted to 70,7522 ., were, in $1868,88,28.31$., axclusive of railway materia! and fuel, imported free.
The exportation of esparto grass, chiefly to Fingland, has lurgely increased, 10,425 tons having been shipped in 1868 ngninst 2,513 in 1867. The system is now generally adopted of pressing the esparto to reduce its bulk. The average price of this artiele, free on board, has
lation to the crade of this prort and of the Netherlatud are extractiol, the first talle from the Leport of Mr. Cotsol Nu-wuham of May 27 , 186:, and low last two from that of damary i , 1860, Ly Mr. Tharlaw, seroni seeretary to our Legation at the 1l:gue: :-
I.-Accomet of the: Arrivaly and Jepurtures of Nrtherlands cenrl P'orrion Dessels at Imstrorthat during $1 \times 1 ; 7$ mul istix.


Of the ats foreign :mrivals in $1 \times 68,200$ were straners of 78,0100 tons, and of these 180 were 1ritish of at, trio, tims.
H.-Tuble shuwiny General Imports and E.rporis of the Nethritunds from 186. to 1867.


Referring to the convention for the free navigadion of the lihine motered into in 1 xig loy the Netherlands, l'russia, trance, Bavaria, Baden de., Mr. 'Thurlow gives the following atmong other particulars, slowing the extent of emmerre prassing Lolith, on the Duteh portion of the Rhine, at diffirent periods from $1 \times 32$ duwawarls, and in the 3 years ending with 1867.


ARCIIANGEL. The following table, taken from Mr. Consul Jinny's lieport of March 31, 1869, exhibits the values of the exports from Archangel in cach of the five years ending with

## ARROWROOT

1868, and the proportion of these to Cireat Britaln :-

## Vulues of Exports.



ARROWROO'T. Customs' duty on, repenled, 1869.

AUSTRIA. Neo article Thtmet: lu bictionary, edition 1869.

BALTIMORE: In illustration of the rapid growth of this port, Mr. Consul Rainals, in his Report of April 10, 1869, mentions that the population, which was 212,000 in 1860 , had intcreased to $352,000 \mathrm{in} 1868$. The following tablo exlibits the increase of our trate with Bnltimore slnce 1866:-

British Shipping.

|  | Fintered |  |  | C'leared |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sears | Number of Yesels | Tons | Vatne of Cargoes | Number of <br> Vensels | Tons | Value of Cargoes |
| 18651 | 153 | 43,42.) |  | 191 | 49,781 | dold |
| 1867 | 210 | 60,148 | 2,90x, 110 | 209 | 6,11,301 | 4,01! , ifie |
| 1868 | $261)$ | 6,3,6331 | 2,9957,1410 | 457 | 61,119 | 2,385, 511 |

BANGKOK. The following is matridgment of a table given by Mr. Knox, our Consul-General for Siam, in his Report of March 25, 1869 :-
Account of British and Foreign Shippiag Entered and Cleared at the Port of Bumpioh in 1868, and of the Values of their Cargoes.

| Natlonally of Vessels | Enteral |  |  | Cleared |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\left\{\begin{array}{l} \frac{n}{4} \\ = \\ 5 \end{array}\right.$ | H |  | $\begin{aligned} & n \\ & 3 \\ & i x \\ & i \end{aligned}$ | $\stackrel{y}{5}$ |  |
| Britah |  | 47.237 | $61,266^{\prime}$ | 96 | $41,3604$ | $493.411$ |
| French |  | 2.913 | 3,500 | ${ }^{6}$ | 1,641 | 12,1]2 |
| American | 11 | 9.205 | 1,4.51 | 13 | 8,711 | 42,111 |
| North lierman | 63 | 2.3,311 | 59, 3 37 | 60 | 81.72 .51 | 136,913 |
| Portugueve, | 6 | 1,19 | 8,540, | 5 | 7.70 | 3,500 |
| Sweden end Norway | 3 | 1,178 |  | 3 | 1,178 | 7,495 |
| Durch | 10 | 4,508, | 31,000 | 1.1 | 4,204 | 24,182 |
| South A merlcan | 1 | 1,100 |  |  | i, 076 |  |
| Hewaian |  | - |  | $\mathbf{y}$ | 1,076 | 6,326 |
| Danish |  | 991 | 300 | 1 | 明 4 | 6,709 |
| 1 lusshan |  |  |  | 1 | 4.97 | 2.414 |
| Siamese | 126 | 47,017 | 350,301 | 114 | 45,479 3 | 397, 78 |
| Junks to China |  | $\cdots$ |  |  | $\cdots \quad 1$ | 50, 110 |
| Total - | 346 | 142,373 | 714.898 | 317 | 133,05.59 | 999,817 |

It would appear from the same Report that since 1867 the export of rice, formerly our principal trade from this port, had ceased in great measure, but that new markets have been found, and that in 1868 sixty-nive vessels elcared the ce with full enrgoes for Europe, and others sailed for Mauritius, California, and Australin.
BANK OF ENGLAND, An Aet (32 \& 33 Vict. c. 104) for facilitating the payments of dividends on the pinblic stoeks, passid in 1869, makes the following regulations with respect thereto, viz. :-
2. Pourer to send dividend warrants by post.-It shall be lawful for the governer and company of the Bank of Eughund, hereinafter called the Ihink, from time to time, with the sanction of the Commissioners of the I'reasury, to make arrangements for payment of dividends on any stocks by sending warrants through the post. Every such wartant shall be deemed to be $n$ eheque on the said governor and company within the intent and meaning of the statute of $21 * 22$ Vict, c. 79 ,
3. Effect of posting a warrant.-Every stockholder desirous of having lils dividend warrants sent to him by pest shall make a request accord-

## BANKRUPTCY

ingly in writing to the Bank, such writing to be slgued by him, and to be in a form approved by the Hank and by the sald commissioners, and shall give to the Bank un address in tho United Kiugilom to which the letters containing such warrants are from time to time to bo seat, and the pesting by the bank of any letter adilressed to a stockholder at his request at the address given by him to the linak, and containing a tividend warrant, slanll, as respocts the liability of the lank, be equivalent to the delivery of such warrant to the stocklolder himself.
4. Change of duy on which diridends on stocks fidl due.-The lanf-yearly divideuds due on my public stocks which at the time of the passing of this Act fall due on October 10 in eneh Year, shall from and after the passiug of this Act become the on thetoler 5 , insteal of October 10.
5. Audit of dividemis.-The Treasury muy from time to time maks regulations as to thi" mode in which the nulit of the neconnts relating to divilends on public stocks is to be helle ly the commissioners for auditlag the public accounts. and may, if they think tht, dispeuse with such audlt aliogether.
6. Definition of terms.-In this Act 'publis stocks'shall mean and inclute aty stock forming part of the nntional debt, and transferable int the beoks of the Bank:
'Stockholder' shall mean the proprietor of any share in the public stocks:
'Person' shall inchule corporalion :
'United Kingdom' slanll inelude the Channel Islands, the Islo of Man, and any other islands adjacent to any part of tho Uniteil Kingdom:
'Warrant' shall include draft, order, elieque, or any other document used as a medium for payment of dividents.

BANKRUP'TCY. In the articles Bankuter ano hankubtey, and lnsolvency and hasknuprex, in this Dietionary, the history aul poliey of the laws affecting bankrupts in the United Kingdon, and the progress of opinion and legrislation on the suljeet, have been shortly traced, down to the session of 1868 . We have now, by way of supplement, to give a short abstract if the more important clanses of the Bankruptey Aet of 1869 (32 \& 33 Viel. c. 71), entitled An Ait to consolitate and nmend the Law of Baukrupt'y.
The Act is divided into a preliminary aud eight other parts.
In the preliminary portlon the 2 unl chase deelares it inapplicable to Scotland or Ireland, exeept when expressly provided.
The 3rd dates its operation from January 1, 1870.

The 4 th defitues various terms used in its provisions; anel
The 5thexeludes from its operation companica or partnerships registerel under the Companics Act of 1862 .
In I'art I., relating to the adjudication and vestIng of property, clause 6 provides for the aljudication of a bankrupt owing 501. to one or more creditors, and letines six nets of bankrupter, on any one of which that mny have oceurred within the previous six months, his or their petition must he founded.
7-9 refer to the proceedings on debtors' summons and petiion, proof of delt and of trading when neeessary, and act of bankruptey, and to contested debts.
10 to the advertisement of atfurlication.
12 binds creditors not holdhig seeuritles.
18 empowers the court to restrain suits and appoint receiver.

14, 17, and 18 provide for the appointment, by

## TP'TCY

unk, such writing to be in a form approved by ld comnissioners, aud adlress in the United etters containing such " time to be sent, wuld of any letter addressed refuest at the address , and contnining adivi'espeets the lintinity of to the delivery of such r himself.
hich diridemds on atocks - dividends the on muy e time of the passing of tober 10 in eneh year, passing of this Aet beistead of Oetoler 10 . *.-The Treasury may regulations as to thic of the aceomnts rolating ocks is to be held ly the ne the public accounts. tit, dlapeuse with surh
-In this Aet 'public: include any stoek formtebt, and transferable in tan the proprletor of any :
eorporation :
all inelude the Channel n, and any other islands te Unitel Kingdom: ute draft, order, cheque, used as a medium for
the articles Bankiedt Tnsonvexcy avb Baxkry, the history nud policy ankrupts in the United ess of opinion and legisnee been shortly traced, 868. We have now, by give a short abstract of uses of the Bunkruptry t. c. 71 ), entitled An Ait the Law of Bankruptey. into a preliminary aud
portion the 2nd clanse to Seotland or Irelaal, rovided.
eration from January 1 ,

* terms used in its pro-
its operation companies di under the Companies
he adjudication and vest; provides for the adjuwing 501. to one or more a aets of bankruptey; on ay have oceurred within 1s, his or their petition
edings on debtors' sum11of deltt and of trading ct of bankruptey, and
t of nuljulication.
2olulng seeuritles.
to restrain suits athil
for the appointment, by


## BANKRUPTCY

the ereditors or by their eommittee of inspection, not exceeding the in number, of a trustee (pnld or unpald, but glving security) to manage the linnkrupt's property, and that the registrar of the rourt shall act as trustee till the appointment bo made.
15 describes the property of a bankrupt divisible anong his credlitors, aud spechally expmpts-ist, property heht in trinst; anil 2nd, tools of trude, and fanily wearing apparel and beldhag, to the value $\ln$ all of 201,
10 layn town regulutions an to the lirst mecting of ereditots.
In Pint II, regulating the atminiatration of the property, clanse 19 rolates to the coulluct of the bankrnpt inniding or impeding its realisation, und his puishment in the lutter case.
20 lays down rules for the conduct of the trustec.
21 regulates general meetings of creditors after the flrst.
22-24 vest the property lin the trustee, and enable him to diselain that whith is onerons.
$20-20$ define hls powers; inter alia, authorising him, if the ereditors approve, to receive and decide on proof of debts, aud to alminister onths,
To carry on bankrupt's business, and to elliploy him to superintend it.
To sell the property, or mortgage or pledge uny part of $i t$.
To bring or defend suits, reter disputes to arbitration, compromise debts or claims.
To ilivitle property which camot be sold amonr the ereditors, and to aceept composition, or \&reneral scheme of arrangement offered by the bankrupt.
30 binds tho trustee, under pemaltes, to pay sums into the lbunk of lingland, or other bank chasen by creditors.
$31-10$ describe delts, distinguishing as preferential, certain local rates, assessed and other taxes, and wages of elerks and servints, and deal with allowance to debtors, set off and seeured debts.
d1-50 apply to the distribution of dividends, nupropriation of the surphos, If any, by the bankrupt after payment of ercelitors noul costs, the chose of the bunkruptey, discharge of the bimkrupt (nainly depending on the payment of 10 s . in the pound), and eflect of the discharge.
it-i.3 relate to the release of the trustec and its eflects.
it explains the status of an undischarged baukrupt.
$0_{5 i-5 x}^{5}$ provide for the appointment of a comptroller or anditor of trusteces nceomets, and detine his duties and powers.
1'art III. - Clanses 50-72 constitute the Court of Bankruptey and Court of Appeal, and specify their gencral powers.
in- $\overline{15}$ provide for the enforecment of warrants and orders of the court, and enjoin that the Bankrupter Courts in Eugland, Seotland, and Ireland, aid every British court elsewhere, slumll be auxiliary to each other in bankruptey cases.
7x, 39 empower the Lord Chancellor to revoke or alter rules of court, and to ellect clange of jurisdiction in comnty courts,
Iu lart IV., consisting of supplemental provisions, clause 80 makes additional regulations as to proceedings in bankruptey.
st, $\gamma 2$ state the consequences of ammalling of artjutication.
83 , 84 lay down rules as to the trustee and committee of inspection.
$8 \mathrm{~B}, 86$ relate to the power over the bankrupt.
$87-95$ to the property devolving on the trustec.
$96-99$ to the discovery and seizure of the bankrupt's properit.

3

## BELGIUM

100-10: refer to joint and separate estates,
100-109 speclfy the nature of the evidence nectessary $\ln$ proceedlings In bankruptey.

110-119 are of a miscellaneous kind, 118 enartirge that no jerson not being a trader shall bu aljudged n bunkrupt lit respect of a delit contraeted proor to the Bankruptey det of 1801 .

In l'irt V., relatiun to prersons having privileg: of I'arlament, $120-124$ nnest that this privilege is not to provent adjulication on bankruptey; that the seat of a barikrupt member of tho Ilouse of l'ommons alonll bo vacited; mide that tho Sipaker shall lissue a new writ.
l'art V1.-Clanse les mukes rigulations lor the liquidation by arrangenuent of the allales of the aletster.

I'urt V'll.- i'lanses 12 ti, 127 contain reguhations for the payment lyy a debtor to his ereditors of a composition, without any procectings in bunkruptey.

I'urt VIII,-chanses $12 x-1118$ nuke temporary provision for transter of othicers from old to new Court of lankruptc'y, the abolition of the County Jistrict Courts, eompensution to, anul reappointment of oflicers \&e.

Schedule 1 armended to the Art pives the following list of, und deseription of 'I'raders:-

Alummakers, upothecaries, anetioneers, bankers, bleachers, brokers, brickmakers, bulders, calenderers, carpenters, carriers, eattle or sheep salesmen, conch proprietors, cowkeepers, dyers, fullers, keepers of inms, taverns, hotels, or coffee houses, lime-burneis, livery stable keepers, nurket garcleners, nillers, puckers, printers, sharebrokers, shipowners, shipwrights, stockbrockers, stockjobbers, vietuallers, warehousemen, whartingers, persons using the trade or profession of a scrivener, receiviug other men's monnys or estates into their trust or custody, persons nsuring ships or their freight or other matters agaisst perils of the sen, persons using the trade of merchandise by way of burgaining, exchange, bartering, commission, consignment, or otherwise, in groas or by retail, and persons who, either for themselves or as agents or factors for others, seck their living by buying and selling or buyinso und letting for hire goods or conmodities, or tyy the worknmmship or the comversion of gools or commodities; but a farmer, rrazier, common labourer, or workman for hire shall not, nor shall a member of any partnership, associntion, or company which camot be adjudged binkrupt under this Act, be decmed as such a truder for the purposes of this Net.
 this Dictionary the althor expressed an opinion on the impolicy of imprisonment for tebt where the debtor had acted honestly and had done alt that should be retpured of hin. I3y Aet $32 \& 33$ Viet. c. 62 the Lefrislature have adopted this view, and may be said to have ulsolished imprisomment for clebt in England, except for the punishment of frambulent delotors and of contempt of court.
The $3: \& 83$ Vict. e. 83 provides for the winding up of the losiness of the late Insolvent I Debtors' Court in England, and repeuls a number of enate ments relating to insolvency, bankruptey; inprisonment for debe de.
BALLEY AND BARLEX MEA1, and BARLLE PEALLLED. Import duty on, repealed, 186!.

BEANS AND BEAN MEAL, C'ustoms' duty on, repealed, 1869.

BEAL or B1Gif. Customs' duty on, repealed, 1869.

BEER. [Atw ANu Beien.]
BELGIUN, See article on Arrweite in the Dictionary, edition 1869.

HIGG. [Beatl.]
BHRDS. [Ses Bmbs.]
HSCUIT AND BME:C1). Customs' duty om, repenleal, 1869.

BOSTON. The rockn called Jouner and Corwin in the maln ehmmel nenr fort Warren, whieh caused much tronble to the slipphap, have been removed to the depth of twenty-three feet at low water, and these mat other operations for widenlog and lecpening the approaches to this harbour have rendered it one of the most secure on the coast, and will soon make it one of tho most ncceesible, - Consul Lousuda's Report of Februnry $8,1869$.

BRAKIL. [Siaves anh Shate Thable.]
In the bietionary of 1869 will be found artiches on the mudermentioned lrazilinn ports; viz.
 Janeilio.

InRASTOL. For na necount of the harlmur, docks de., of this port, see the article lhocris in the Dictimary, elition of 1869 ; sult-lend Bristul Docks, Nhipping, \&e.

BLCKWHEA'T' ANOME:U., 'ustoms' dut. on, repuled, $186!$.

CANADA. (inomas: Homas's Har Comboss, in this supplement. Som also articlen Hatifax andqeemat, inthe Dictionary, ed. 186ti. (ANAL. [Stea Cunin..]
TARDIEF. For an necount of this port and its doeks, see the article Dereks in the Dietionury, alition 1869. Sub-head Cureliff.
 abolisues (from Janary 1, $1 \times 20$ ): The duties "pon lievones to keep, nise, and let to hire hackurs marriages in the metropolis, and the werkly daties payable in respect of them; and 2 , the duties upon licenses to keep, use, mal comploy stage carringes in Cireat Britain, and also the mileage duty in respet of the same, and impuses the fullowing duties:-


[Hakney Cahmatent]
('ASSAVA POWDER, Customs' daty on, reprented, 1860.
 Vict. c. (i)) (ronsolidates, nupuils, and makes perpetuil the Aets for preventing the introduction or spreading of eontagions or Inlections disenges manner catile and other animals la Great Iritain. It is divided linto 10 pmots: the Ist preliminary, the 2nd referring to local authorities, the 3rid to tho import of foreign animuls, the 4th to the discovery mad prevention of disense, the bih to Nhmighter of centle \&e. in cattle jlague, mal compensution to be awardel to the owners, the Gth (1) Oriers in ('onucil slo, the 7th to the wequisition de. of hand for the burying or slaughtering of mimals \&e., the Xth to the expensers of boeal anthoritios, the !ith to offenees nad legal prowe dings, mad the 10th to Scotland; and appendid tw the Act are! sthednles, chiefly contaning ruruhations ; the ofth statiug the maximum tothe, dhes, and paymens in the Metropolitan market aftir the ngenins of the Foreisin cattle market: vi\%


An Orcher in Comucil of August 10, 1869, applimable to the Metropolis, revokes nll previous oribirs an the subject of eontagions and intertions diseasers of cutle, and regulates the import of cattle into the port of London, the moving of eattle, and llecir sale, exlibition, slanglter \&e.
('IILLE. See V.hipathaso in Dictionary, edition 1xis.

IIINA. The followitgetables, mad that given mater Shamsini, are extracted from the heturus of 'Trade printed at the C'ustoms' I'ress of Shaughain

 \& c , in the lidetionary, edition Isten.

| Fa,k | Provels (entered and theared) | ) Tons | 'Tons |  |  |  | 1 nti 7 |  | 1 sfos |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\begin{aligned} & \text { Vewers } \\ & \text { (entercel } \\ & \text { atent } \\ & \text { ele.trd) } \end{aligned}$ | 'rons | Vevseld (entered ind cle.sred) | Tons | $\begin{aligned} & \text { Yewts } \\ & \text { chteted } \\ & \text { cleared) } \end{aligned}$ | Ton, |
| Imatian | 5,036 | 2,609,390 | 4,521 | 2,615,906 | 3,6412 | 1,935, | 2,926 | 1,678.831 | 5,62.3 | 2,230,277 |
| Ansti.at | ${ }^{3,14}$ | (2,964 | 19 |  | 101 | 2.414 | 8 | (1) |  |  |
| Ifrius/ | 7815 | 2,962,211 | 7,793 | 3, 107,99\% | 8.283 | 3,921,551 | 7,96i | 1,511,000 | -116.3 | 3,352, |
| P'binme | 1,0\%1 | 64tyss | 37 | 319,545 | : $: 16$ | 3,3,721 | Stit | - 5.4609 |  | 32, $3 \times 3$ |
| 13.abih | 967 | 164, 172 | Gif | 111017 | 216 | 32,1154 | 139 | 25, ${ }^{6} 711$ | 15\% |  |
| lutich - | 19\% | 60,171 | 171 | [66,1911 | 111 | 69, 43 | 4.52 | N2,6; ${ }^{\text {ch }}$ | 121 | 30,116\% |
| French | $21 \%$ | 95, 1096 | 293 | 91,6<7 | 2.31 | נ14, | 217 | 112, 315 | 219 | 130, 163 |
| LIawnian | 8 | 918 | 23 | 4,6617 | 19 | 3.90 | * | 1,200 | $1!$ | 1,487 |
| Itaiial! | " | 839 | 15 | 9,217 | 4 | 35 | 13 | 11,593 | ${ }^{12}$ | cidy |
| Nupatese | .$^{2}$ | 756 | .. | $\because$ | 2.215 |  | 2.456 | 611,511 | 1,772 | (17\%, 4 |
| Mrmien | 292 | N3, 321 | 428 | 124,569 |  |  |  |  |  |  |
| Hanibury | 1,309 | $3 \mathrm{Sin}, 133$ | 1,11210 | $3 \times 1.112$ | $\cdots$ |  |  | - | - | . |
| llanover | $1: 77$ | 510 | 131 | 21, 1.91 | $\because$ | $\because$ | .. | . | . | . |
|  |  | ${ }^{7} \mathbf{7}, 5,514$ | "1, | :, | .. | $\because$ | . | $\because$ | $\because$ | $\because$ |
| Ohlenlurg : | \% | 82, 9174 | :1 | 11,011 | - |  |  | $\because$ | $\because$ |  |
| L'rusdart | $1 \times 7$ | 46,143 | $20 \%$ | 15,2is | .. | .. | - | . | . | . |
| Sorway and | 110 | 58,19; | 118 | 26,577 | 62 | 13,997 | n2 | 22,1;1 | 106 | 26,165 |
| Jew (irmadian: | 1 | . 1966 | 4 |  | $\bigcirc$ |  | 6 | 400 | $\because$ | $\because$ |
| Portuznese | $\stackrel{2}{8}$ | 3.9848 | 2 | 4,24. | \%) | 3,693 |  | 400 |  |  |
| 1413124 | 21 | 9,199 | 29 | 11, $1: 2$ | $\cdots 19$ | 7.172 | $\cdots$ | \%,997 | 32 | 110,099 |
| Stamer | 136 | 6, 610,39 | 115 |  | 1.18 | cither | 1616 | 71,926 | 424 | 91,912 |
| San malvalor | fig | ${ }_{50}$ | ${ }_{61}$ | 21,024 |  | $2.5,50$ | 2 | 21,803 | 4 | 1,6010 |
| Total - | 17,966 | 6,6,35,43; | 16,625 | 7,136, 6101 | 15,674 | 6,877 vind | 11,7113 | $6,396,815$ | 14.075 | 6,414, 5143 |




Hewenve of euch Port-186i8 awd 186i.

$\qquad$ -

[^22]| Tomnage liura | $\begin{gathered} \text { Cumat 'Trasle } \\ \text { "uby } \end{gathered}$ |
| :---: | :---: |
| Tle. whipif, 1145,4901, i, 15, 7 |  |
|  | 14.2613, \%. 1.4 |
| 14, w11, 1,0.1) | 246, 9, 56.116 .501 |
| $14,2822.3,0,11$ | 1:219,0,1.3 |
| [ $0,115.7 .60 .11$ | 4.3, $517,1,3,4$ |
| 1, 1 111, 1, 0, 11 | 1,511.4.3.1 |
| 1, \%4, 4, ,0,0 | 111.780 .7 |
|  | \%,119.4.t. 3 |
|  | 119.867.14.".m |
|  | \%1, thy.h. 6,4 |
| S, 360, 7, 11.0 | 4.7.7 H1, M, 1.s |
|  | 44, (140.6i. ). ${ }^{\text {a }}$ |
| $3.4 .85,5,16,41$ | 6, $1094.4 .5,11$ |
|  | \%7.4is.s.4.11 |
| $24,1,766.5,3.7$ | 1:1,5)1.A.f.4 |




CHAISTIANIA. In Consul-General Crowo's Riport of Mareh 31, 18is9, on the Spring Iherring Fishery on the Sonth-West Const of Norway, he gives the annexpl table, showing the eateh firr the last six yenrs ending with $1 \times 16$, muld the exports for the five yearn ended 1 Kfs:-

| Vears | Catch | Fixported |
| :---: | :---: | :---: |
| 18 fil | A Mris, (13) |  |
| 146.9 | \% 518.0410 | 6.17, 141 |
| 1 m 新 | 74, 1410 | 395,41: |
| $1 \times 67$ | St9,0en) | 4ill, 18t |
| $1 \times 64$ | 6.18,4H11 | 4 $\times 1!$, ! ! ${ }^{\text {a }}$ |
| 1) 199 | Civ1, $1 \times 16$ |  |

The alove tigures merely rafer to the spring herring thaery, mul not to what is enumbt during the season to the north, and exported from the northern provines.

COASTIN( TRADE: Tho Merchant Nhipping (C'uluninl) Net of 1 si:! (3: Vibt. ec. ii) places, on certans conditions, the regulation ot the consting trade of our colonial possessions unter their respective Legislatures, nud (mpowers them to grant, after due examination, certilicates of gualification to persons intending to act as masters, mates, or engincers on board liritish Nhips.

Coion NuTs. [LActars; Tha.]
colifles. [In mana- Tra.]
COINS. By Order in Comeil ot Aurust 7, 1889, gold coms made at the branch mint of Nelbourne, Vietoria, are declared legal tender in all parts of the empire.

Considerable diseltssion has been exeited by the proposal of Mr. lowe (Chancellor of thie Exchequer) to levy seignorage on our guld coinage by giving in return for every 123.2at grains of bullion delivered at the Mint a sovereign of the reduced weight of $122 \cdot 27.4$ grains. As the views of the author of the Commercial Dictionary on the subject of seignorage are given in the article on Conss, p. 332, edition 1860, they need not be repeated here.

COLLISION. The County Courts Admiralty jurisdiction is extended by $32 \& 33$ Vict. c. 5i to all claims not exceeding 300/, eneh on account of damage to ships, whether by collision or otherwise.

COLONILES. The Canada Rupert's Land Loan Act of 1869 guarantees a loan of 300,000 . by the Canadian Government for payment to the Hudson's Bay Company of the price of the
surrender of Rupert's Land to the C'maalimn Dominion.

The Merchant Shipping Colonial Act of Ist:9 gives power to Colominl Cagisiatures to regulato their consting trule, and tu grant, nfter examimation, cortiticates of duallfleation to presons inttending to net as masters, matea, or enginecrs in Mritish ships.

10misis: persons emigrated from the United Kingdomin In $186 \times$, of whom 155,532 went to the l'nited States, 21,204 to our North Amerisan colunies, and 12,819 to the Australlan colonics and Suew Zealmad.

COMPDNILs, Tho $32 \& 33$ Viet.e. 19 , passel 18ifi, regulites partnerships for working mines in the stannaries of Devon and Cormwall. [1'a:Tsbamide: Railivay; Stockn.]

C'ORK. See areomit of lts dock in articlo Derks in the Dietlomary, edition 1869, suh-heal Cork.
COLS L.AWS AND CORN THADE: Mr. Lowe (Chanedlor of the Exchequer) carried out his intention referred to under Whenr T'anfres. in this Dictionary, and on dune 1, 1860, hy 32 \& :3: Viet. c. 1.1, the customs' duties ceasel on the import of corn, grain, menl and flour, and artides of the like character, viz.,

Wheat, barley, oats, rye, pease, heans, maize ur Indian corn, buck wheat, bearor ligg, whent meal and flour, briey menl, oat menl and groats, rye menl and thour, pea meal, hean meal, maize or Indian corn meal, buckwheat meal, meal not otherwise enumerated or described, arrowrout, barley, pearled, biscuit and bread, cassava powder, macearoni, mandioea flour, manna eroup, potato tlour, powder, viz. hair, powder perfumed, powder not otherwise enumerated or described, that will serve the sume purpose as sturch, rico dust and imeal, sago, semolina, stareh, starch gum of, torrified or calcined, tapioca, vermicelli.

COUNTY COURTS. The Admialty jurisdiction of the county courts is extended by 32 d: 33 'iet. c. 51 to any claims not exceeding 3001. each, relating to the use or hire of any slip, or the carriage of goods in any ship, or any clain in tort in respect of goods carrled in any ship, and to all elaims for damage to ships whether by collision or otherwise, and also, if the parties ngree, to claims of higher amount referring to all the above claims except those for damage. It pro:ides, too, that the judge may be assisted by tro mercantile assessors. (See also Bankrepticy ia this Supplement.)

CUSTOMA

 with the attendance of the mavtor of a vesuel at the Cuntom-honse to verify the contenta of his ship, and to aceept a like deelaration from any peraon unthorised by the manter in writing under his hand, to make it on his behali, sce T'amer for liat of duthey abolished and alteret.

DEIENTURES. [大гокн]
DEATT, imprisonment for, la abolished in
 of frand or contempt of court.

See alwo 32 \& 33 Filet. c. bis for winling ap the business of the late lasilvent Debtors' ''ourt.
 the dintinution betweenspecialty and simple cunttract delots of a deceased person la Eingland and lreland. We quote the enactment:

All apecialty and simple coutract dehts of deceused persums to stumal in "qual degree afiter Junuary 1, 1870.-In the nlministration of the estate of every persom who shall die on or after the first day of Jamary, one thumsiad cight limeAred and seventy, no debt or hiablity of shelin person shall be entitled to any priority or preference by renson merely that the same is secured by or arises under a bond, iteed, or other instrument nnder seal, or ls otherwise made or constituted a kpecialty debt; but all the creditors of such person, as well specialty as simple contrat, whall be treated as standing in equal tegree, and be prid necordingly out of the mssets of such decensed person, whether such assets are legal or equitable any statute or other law to the contrary notwithstanding: Provided always, that this Act shanl not prejudice or affect any hien, charge, or ither security which any creditor may hold or be entitled to for the payment of his debt.?

Errtent of det.-'lhis . Iet shall not extend to Scothand.
 in Dictionary, edition 1860.

Dhtidenjes. [Hank of Enghand; Fisils.]
DUNDEE. For account of this port in the Dictionary, edition 18tis, see 1hosks, sub-liead Dumde.
l:AST INDIES. Two Aets, passed in 1869, uffect the governmeut of India: the lirst ( $3: \& .3: 3$ Vict. e. 97 ) enacts that vatules in the Commed of India shall be tilled up by the Secretary of State; that members are in future to be appointed for 10 years, being eligible for an additioual term of 5 years, and may have retiring pensions of 5001 . a year after 10 years' service; and the appointments of orlinary menbers of the Governor tiencral's Council and of the Councits of the Presilencies are to be made by royal warrant without the consent of the Council of India. The $3.2 \& 33$ Vict. c. 98 gives the Governor General in Council power to muke laws for native subjects beyom as well as within our Inlian terriories.
liAU DE COLOGNE: The duty of enstoms upon all Cologne water brought into the Luited Kingdom is, by $3 \geq$ \& :33 Viet, e. 14 s .3 , tixed at 14s. per gullom, whether imported in llasks or otherwise. [Wamenorsing:
LCUADOR. See article Gcayaquil in Dicfionary, edition 1869.
FiNGiNEERS. Colonin! Legislatures have power, under 32 Vict. c. 11, to grant, ufter examination, certificates of qualitication to persons iutending to net as masters, mates, or engincers on board British ships.
EXCISE. Sec Licenses; Tahiff; Warehocsing.

IIRE INSLERANCS: Stampi dity on, abuHished, 1860. [Insthaner.]

## Fisill. [ovarella; smames.]

The 32 \& 13 Viet. e. 12, tho tixheries (Ireland) Aet, givea the lisaprectorn of Irixh thatheriea power to make lylawn as to these nalicrien, and regulatlous as to voluntary agreements between owners of tishing vessels anil thuir crew, and providea for the recovery of lishing toata anal gear pleked ul nt ment
Flotll. [Coms.]
FRSANTE: Tho following statement of the total values of the import and export traile of France lu euch of the eight gears ending with 1868 is extrueted from the Lieport, datet July 1, 1869, of Mr. W'est, secretary of the British Jimlassy at l'arin:-


In the Dietionary, elition 1869, will be found articles oll the following French ports, viz. Bhimeais, llavie, Marseilleg, and Nantes.

CREHOHF. [SHM's.]
FUNOS. By the 32 R 33 Vict. c. 104 , holdera of stock may now have their dividend warranta sent through the post. See clanses of the Aet quoted under Bisk of Einalanis.
(i.LI.AT\%. New regulations of the European commission of the Danube, molifying the dues for river pilotage, and concerning towage between Isaktelia and the Sulima Mouth, the anchorage in the port of Sulimen, and the Seamen's Hospital there, have, with a prefatury notice of the Board of 'Irade of July 8, 1869, been published in the Lonilon Guzette.
tilasGow. For an aceount of her doeks and shipping, see article Docks, sub-head Cilusgor, in the Dictionary, edition $\mathbf{8 6 9 .}$
(ild FCBMN: is produced through the saponitication of lat vils, and is obtained in large quantities, especially from palno oil, in soap and cumble mamunctories. It is used in the arts by modellers, printers \&c., also for preserving fruit, food $\$$ en, mat in pharmacentical preparations, both for internat wise and for oiptments. It is made into glycerine soup, and is ulso used for gyensing deliente machinery,

Glyerrine when treated with nitric acid becomes nitro-glycerine or glonoine oil, a highly infiammatle stubstance, discovered by M. Sobrero in 1847, and more recently used for blasting. The curringe of this explosive material has been attended with so much danger that the Lexislature have, by 32 \& 33 Vict. c. 113 s. 3, prolibited, under heavy penalties, the importation and exportation of it, or of any substance having nitro-glycerine in any form as one of its component parts, Sec. 4 provides that the manutheture, wale, and carringe of it in the United Kingdom ure to be regulated by license by one of her Majesty's Secretaries of State; see. 5 provides that persons laving anj in their possession at the passing of the Act must give notice to the Secretary of State; and sec. 6 euacts that nitro-glycerine may be searched for in the sane way as gunpowder, under 28 \& 24 Vict. c. 139 .

For a fuller notice of glycerine, and nitroglycerine, reference is made to Ure'a Dictionary of Munufactures by Hunt.

GREAT GRIMSBY. For an account of this port sea article Docks, sui-head Cirimsby, in the Dietlonary, edition 18 ti9.

GRFBCE. Sce articles Iomian lshanis, Patuas, and Syba in the Dietiomary, edition 1869.

GiROATS [ OATs ANB OAmMEAL..]
HACKNEY CARRLA(ARH. The 32 \& 33 Vint. e. 14 s. 17 (to oprate from , ammary 1,1871 ) repealed the dutics on licenses to kerp, use, and bee lanckney carriages within the limits of the metropolitan district and the ('ity of lomblou, and also the weekly duties payable in respert of such hackney earriages; the dities on licenses to keep, use, and employ stage carriages in tireat litain, and also the milcage duty paynble in respect of such stage carriages. [Cubunicies; 1Lomsise.] HALR POWDER. [PownEr.]
HAYTI. [Donr ar ]nance in lictionary.]
 plement, and Amstmam; lintivia: liortenD.1.3; in the Dietionary, edition Exf9.]

IfORSES. The daties on liemses to be taken out by persons who shall let horses fir hire in Great Britain, and the duties on liewnes to let to hire horses for travelling post by the mile, or fromstage to stage, in Ireland, were repabled, from January 1, 1870, by 32 \& 33 Vict. c. 11 s. 17 ; and the same Act imposes a license duty of los. lid. after that date for every horse or imule kept in Great Britain and used for draught or ridinu.
HLDSON'S BAY COMPANY. The (imada Rupert's Land Loan Act, :3E \& 3 V Vict. ©. 101, Euarantes a loan to be raised by the towmment if Comada for payment of : amomot. to the ! lutsen's Bay ' 'ompany for the surmuler of liugert's Land to the Dominion of Canala.
IIULL. For an aceount of her doeks, wipping. \&e., see article lhrks, sub)-he:ad I/mil, in the Dietionary, elition 186?.
 and 11 of this Supplement.)

INDA. [EAST Jnhes.]
INDIAN CORN. [MAKE:
1NSURANCL: On June 2in, 1stio, tre tamp duty at the rate of 1 s , tid, per cent. per ammon on insuranees against lose or damage be tire caterl in terms of sec, $1: 2$ of $32 \&: 3$ Vict. $C^{\circ}: 11$.

1'TALY. Embodied in the Report of lamary : io, 1869, by Mr. Herrics, our secretary or lagation at Florence, is the following table, showint: the extent of the navigation tor 1 stio in cact of the maritime districts into which the conits of the kingdom of It ly are diviled :-


See articles Civita Veccina, Gabaroh, Genoa,

Leghone, Meswina, Naples, Padeamo, and Venice, in Dictionary, edition 1869.
L.EATIL. For mincount of this port seo articlo Docks in the Dictionary, elition 1869, sub-head Laith.

LICLENES. The 12 \& : 13 Virt. e. $11 \mathrm{~s}, 17$ (to operate from Jamary 1, 1870) repealed-
The duties on liempes to kepp, uss, and lat hackney earringes within the limits of the Metropolitmidistrict and the (ity of London, and als, the weckly duties payable in respert of suel hackney carriages.
The duties on licenses to kepl, nse, and employ stace carriages in Great lbitain, and also the mileage duty payable in respect of such stage carringes. ['subi:Acices; IIoleses.]

The excine licensex for selling ten, coffec, coroa muts, chocolate, in proper.

The dutios on licenses to be taken out by persons who shath het horsies for hire in Creat liritain; and the duties on licenses to let to hire borses for the purpose uf travelling post by the mile, or from stager to stuge, in Ireland; and the same Aet imposes a license duty of 10 s . lid. after that date for every horse or mule kept in lireat Britain and used fir draught or riding, as well as other lieense duties for male servants, carriages, and armorial bearings.
 proviles for the ereetion of a lighthouse on the Circat Basses liork in Cevon.

LIDPDELAS, BHTTLSII. [Warehorsivg:]
l, VER1'OOL. For an account of her pors, docks. \&e., see article Docks, sub-head Liserpool, in Dintionary, edition L869.

LiNDDON. For a description of the varinus docks on the 'Thames, see article Docks in the Dietionary.
MACCDRONL. C'istems' duty on, repealel, 1869.

MAIZE or INOLAN cons, and MF:N. Customs' duty oni, repeaked, is 60.

MALT. Extracts and essences or other concentrations of malt may now be imported into the United Kingdom, in transit or to ho warehonsed for exportation only, under :3) \& 33 Vict.

MANDIOC.A FiloUR. Customs' duty on, repeated, $1 \times 69$.
MANILLL. The Board of Trade gave notice (July, 5, 18ti9) in the Lomdon Gazette, that the spmish (iovernment has issued two derrees, of which translations are pubbished, the one reforming the customx' duties in the Philiplines, aud the other relating to the introduction and repairs of vessels in those islands.
MANNA CROUR. Customs' duty on, repealed, 1869 .

MASTENS. Colonial Legislatures have, under 32 Vict. c. 11 , power to grant, after examination, certiticates of qualitication to persons intending to act as masters, mates, or engincers, on board British ships.

MATES. [MAsters.]
MEAL, of all kiads. Customs' duty on, repealed, 1869.

MECKLENBURG. Seo article Rostock, in Diet omary, edition 1869.

METHYLATED SPIRIT. The i2 if 33 Viet. c. 103 explains the $18 \& 19$ Vict. c. 38 as to the excess or deticiency in the stocks of makers of this apirit which would be forfeited or charged with duty under this Act.

MEXICO. See articles Acapulco, and Ver. Crux, in Dictionary, edition 1869.
I.-Accomen of the Real or Deehtered Vithe of the various Artiches of the Minufiuetere and I'rolure of the United Kinglom Exported to Lorrinn Countries during path of the ; Detrs ending withe 186R, specifyiug the Countries to which thry were Exported, wnd the Vahe of those Ammally Shipped for each; and showing also the Avernge Amount of Erports during the suid 's Years to rael Country and to each of the is great Divisims of the (ihohe; and the Avcrage Propmetion Exportech to each, supposing the wholv lixperts to be 1,000 .
\& :33 Viet. e. 11 s .17 1,1870) repenleilto kecp, user, and lat the limits of the Motroity of London, num ilsis We in respect of such
o keep, use, and employ Britain, and also the respect of sulel stage HoRses.]
selling ten, coftee, rocon

* to le taken out by isses for hire in (ircat in lieenses to let to hire ' travelling post by the re, in Ireland; and the e duty of 10 s . tid. after or nunlo kept in (ireat pht or riding, as well as iale servants, carriages,
$32 \& 83$ Vict. e, 7 of a bighthouse on the lon.
I. [WALEHATSING.] a neeoment of her pori, oress, sub-head Liver" 1869.
ription of the virims e article Docks in the
ms' duty ou, repealed,
('OHN, and ME:LL, d, 1569.
essences or other connow be imported into transit or to be warefy, muder $3 z \&$ is Viet. 81, 1

Cinstoms' dity on,
d of Trade gave notice whon Gazette, that the issued two derres, of lished, the one refurme. 1 the Philippines, and trobluction and repairs
'ustoms' duty on, re-
egrislatures have, under mit, after eximination, to persons intendiur or engineers, on board

Customs' duty on, re-
article Rostock, in
ZIT. The 32 \& 33 18 \& 19 Vict. e. 33 as in the stocks of makers be forfeited or charged

Acapulco, and Tema I 1869.


II.-Acconnt of the Realor Dechured V'alue of the various Artieles of the Munsfacture and Produce of the Uuiteil Kimydom Exported to Foreign Countries during each of the 5 Years ending with 1867, npeeifying the Countrics to which they were Expmorted, und the Value of those Annuilly Nhipped for ench; and showinty ulso the Aeeruge Ameant uf Expmrts during the suid 5 Y'urs io earh Cumtry and to each of the 5 great Divisions of the Glabe; and the Averaye Proportion Expartcl to cuch, supposing the whole Lixporta to he 1,000 .



III,-Aeenunt of the Real Value of the varions Artieles Imported from Foreign Conntrips into the Uuiten Kinglom during eath of the is Years embling with 1867, sperifying the Countrirs from which they "erere Imported, and the Vahe of those Anmually receiver from rurh; mad shoring whe
 of the 5 great Divisions of the Ghobe; and the Average I'ruportion Imported, from rueh, supposing the whole Invports to be 1,000.

monocco. Sce article Mos, mome, in Dictionary, edition lxt?.
MIM. [ALE AND Beerr.]
NEWCASTLEE For an account of this port see the article Docks in the Dictionnry, sub-head Ninecrasth:

NITRO-GLY(DERINE: On aceount of its dangeronsly explosive mature its importation and exportation have been forbidlen by $32 \& 33$ Vict. e. 113 s. 33. [Givermas.]
Norway. Sce articles behaex and CuntsTinsis, in the Dietiomary, edition lsb:4.
O.ATS and O.LTMEAL, mul GROATS. ('ustoms' luty in, repealdel, t8tio.
ovi'thins. lower to make opster beels, on written license of the inspectors of " 1 rish tisheries, is granted to certain persons ly 82 \& 33 Vict.c. 22 .
 passed Ixte, is for regulating the procecolings of companies tor working mines in the stamaries of Devon or Connwall, and refers to the calls, fecomists ise commeted with them.
Plisisk, and Plei MEAL. Customs daty on, repealend, 1869.

bortwdill. Siee separate articles in the Dictionary, edition 1869, on hamos, Macao, and Oporto.
POTATO FLOLIS. Cinstoms' duty on, reprealed. 18tis.
I'(OWDER, Ihair, powder perfimed, and any powder suitable for stareh, Customs' luty on import of and assessed tax on the use of both, abolished, 1869.
PILTSish. Sice reparate articles in the Dictionary, edition 186! , oll the undermontioned 1russian ports, viz. Dastzte, Kïxhomphe, Menta, and Stertin.

HALLWAYS. The 32 \& 33 Vict. c. 6 (hailways ('ompanies Nectings Aet 1869) repeals so much of the Regulation of Railways Act of 186 m as rolates to the approval, by meeting of incorporated liailway Companies, of tills and eertiticates for Conferring liurther powers on those eompanies. The Railways Abindoument Aet of 1etio (3) \& :3 Vict, r. fll) makes special provision for the alandonment of kailways and the dissolution of lailway Companies.

By the Telegraphs Aet of 186 ) it womhd appear that the estimated eost to the publice of buying the interest of pur hailway tompanics in telepraphic lusines will mot "xeced $\quad 00,000 \%$. The interest of the Tolgraph tompanies will cost a much larter sum.

According to the lictiluay News, the traftic receipts of the railways of the United Kingdom on a mileage of 13,541 amount to 815,3361 , or 602.5 s . per mile for the week emded October 29, 1869; and for the corresponding week of 1868 the receipts were $789,966 i /$ on 13,333 miles, or 597.5 s . per mile.
litl: [Baxikok.]
I:ICE JÚS' and MEAL. Customs' duty on, repeatrd. 1869.
hillerits land. [Colonies; Ifudson's b.hy Company.]

RCSSLA. See separate artieles Abciangemb, Omesa. lemprambe, higa, Tabanigg, in the Dictionatry, edition $1 \times 69$.
RIEND RYEMEAL, ann FOTH. Daty on, repraled, 1869.
SAGO. Customs' duty (a, matll asho.
SDLMON. The appointment ay the Joll Licutenant of 2 inspriors of salait
$y$ the :2 Vict, e. 9, mad rred on them ly $3: 2$, $3 ;$

Low.]
let, 22 \& 33 Vlet. ce 17 , preservation of sea birds son, April 1 to August 1 . ren'w Chothime Jet of 3.2 is e protaction of Remmen's fersexdnsively to seamen $y$ 's nay, or borne on the sty's shipes in 'ommisslon, her Majesty's service in
ener of the growing pracdre, the Govermment have, roming into force on May ties, not excerding il, fir ny subsequent attener, on li intent to decramb, or to o detranito be killed ally sedw' 1 means their vitality ur
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un' dity on, repealded. 1 atis. Table, ${ }^{\text {b. }}$ IS ot this sulp
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© the the Aniralty juriwdourts is extembed to any 3000. each. relating to she - or the carriage of grombs nill in tort in respert of hip, antl to all clatins fir aer ley mollisiom or atherarties agree, to claims of to all the above claims fe. It proviles, ton, that isted ly two mercantile

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fiec, for aceount of this b-head Southumptom, ill Sce article Docks in ed by Board of Trade Aurust 25, 1869, the we abolislied their mo-

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Duties \&c.-continued.


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nopoly of silt after January 1, 1870. A new Spanish Customs' Tariff of import duties de. came into operation on August 1, 1869; and the pretixed are its chief features. (Sce plr 13-15 of this Sipplement.) [Ahcavte; Mavilita.]
AplRits. [Eav de Cologen ; Memilated Sifhtr ; Warehoening.]
SPRUCE. [Ale ANb leem.]
STARCII, and GLM OF, TORRIFIED OR CALCINED. Customs' 'nty on, repealed, 1869 .
STOCKS. The Cow:, aies Clauses Amendment

TALLOW
15
Act of 1809 removes certain limitations on the interest to be pall on debenture stock, and gives facillties for borrowing money to meet debentures falling due, and for issulng shares or stock at discount. See also bank of Enclanis, for fincilities now given to holders of Government stock for recelpt of their dividends.
SLiLZ CANAL.. M. de Lesseps having brought his great work well nigh to completion, the canal Was turmally opened on Wednesday, November 17, 1865, and fleets from the Medherranean and the (iulf of Suez met and saluted on Lake Tlmsul. The length of the canal from l'ort Said on the Mediterranean to Suez is abont 87 miles, the major part lying within the Menzaleh, Bulhh, Timsal, and Bitter Lakes.
The anrface or waterline width of the maritime canal is for the most part 328 feet, a reduced withls of $191 ;$ feet being adopted for cuttings where the channel traverses certain elevations. The depth of water will he 26 feet.

Vintil it be in thorough working oriler and completely nt the service of eommeree, nut has stond the test of use by practicnl seamen for a year or two, it would be premature to pronounce the canal a complete suceess, or to attempl any preelse calculation of the saring to be effereted by the adoption of this route to India in lien of that by the Capes But when it is recollected that the length of voyage from this comtry to Bombay viat suez is little more than 6,000 miles, while that by the Cape is nearly 10,400 , the economy in narigation to be effected by an eflicient camnl, with moderate tolls, between l'ort Saill and Suez, must be very great.
The passing tolls, as fixed for the present, seem to be moderate for passengers at ten franes per head, and nomewhat heary on rhipping at ten franes per ton measurement. This charge is exclusive, 1. Of pilotage, which varios with the shijs ${ }^{\text {s }}$ draft of water ; 2. Of towage, which is two franes per ton, and is exclusive also of port charges if a vessel passing through ehances to touch it any of the three ports, viz. Port Said, Ismuilia, in Lake Timsah, or opposite the new embankment near Sucz. The cliarge for berthing and anchoring at any of these ufter twenty-four hours' stay is tive centimes per ton per day.
For a history and description of the canal, amd of the operations requisite to complete it, we bey to refer to two artieles by Captain ('lirk in thr. numbers of the Fortnighty Revicw for January and Febriary 1869; the 20th number of Eingineering, November 2t, 18t9; and the Ni.tiee to Mariners in the London Gazette, Deember 17, 1864. The lost, embodying the information received from Commander ( G . S. Nares, of JI. M. surveying vessel Newport, which passed throngh at the opening of the eanal, deseribes shortly tho outer anchornge, approach to, lights, and harbour of l'ort Said; the enrrent off the coast, and in the camal at the morth end; the depth of water at varions poiats ( 18 ft . being the minimum, and $2: 4$ the maximum); the lights at the entrance of Sue\% Lagoon; the Sucz doek; the tidal influenee at the Suez end of the caual ; the effiect of sand drifts, \&e. Commander Nires states that a single ship conld pass through in from 14 to 16 hours, but that it is impossible to carry a train of large ships throurh in one day.
SWEDEN. Nee articles Gotrenbera and Stockholm, in Dictionary, edition 1869.

TALLLOW. By Boaru' of Trade notice of July 5 , 1869, it would appear that the Coverument of Salvador has abolished the duty of ${ }^{2} 9$ per cent. hitherto levied apon leaf and calic tallow.

## ZANZIBAR

TAPIOCA. Customs' duty on, repealed, 1860. TARIFF. The 32 \& 33 Viet. c. 14 abolishes the Customs' duties on corn, graln, meal and flour, and articles of the like character (for list of them see Conts). It provides that the Customs' duty on Eaa de Cologne shall be 14s. per gallon, whether inported in tiasks or otherwlse. It admits extracts and essences of malt in transit or to be warchonsed for exportation ouly, and alters the Customs' luties on beer anil ale. [Ais.]
The same Act abolishes the excise licenses for selling tea, coffee, chocolate \$e., und for letting horses and hackney carriages fur hire, the stamp duty of 1s. $6 d$, per cent. per amnum on tre insurance, and assessed tax for hair powder, nud substitutes licenses for assessed taxes on male servants, carriages, horses and mules, and armorial bearlugs. [span.]
TEA. The duty on licenses for tralling in or selling tea, coffee, cocoal muts, chocolate, or pepper, abolished from July 5, 1864, by $32 \& 33$ Vict. c. 14.

TrimegRAPISS. The Tulegraph Aet of 1868 has ben amended lyy the $3: 2$ at $: 3$ Vict. c. 73 , which, after defining a tellyraph as ' any apparatus for transmitting inessages or, ther communications hy mennsof electric signals,' and a telegram as 'auy' message or other communication trimsmitted or iutendel for transiaission by a telegraph,' pives the lostmaster Gencral the exclusive privilege, with certain exceptions, of sending messages; with power to purehase undertakings of telegraph companies within the United Kingdon; to transmit inul make arrangements for foreiga messages, nud to raise 7,000,000) on terminable ammities. Inunal accounts, anul copies of nll regulatlons, in reIntion to the Ciovernment Telegraphic system, are to be laid before J'arliament, and neessages are to be deemed post letters in the meaning of the det 1 Vict. c, 3\%, [R.11,wiys.]

TIMBBER, Au expurt duty of I eent per enbic foot has been imposel by the Costa Rican Government on timber the natural production of Limon on the Atlantic. See lloard of Tradenotice of Jme 17, 1869.
Estimated Import of IFoorl into the Inited Kingdom in 1869, from Messrs. Churchill \& Sin's Circular of Jamuary 4, 16ї0.

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Colonial Sawn Wookl (Deals, llattens &c.)
Forejgn Hawn "(Himber mund llardwoods)
Foreign Nawn " (#eals, Datiens, lowards &c
Colomial and Forcign Staves -
                'lotal

ThiADERS. Ser, for definition of a trader, the article Banknuprcy in this Supplement.
TREATIES. In this article in the Dietionary, *ptition 1869, under the snb-head Japan, it shouki bive been stated that a summary of our treaty with the Emperor of Japan of August 26, 1858, would be found enbodied in the article on N.mans.mer.

TURKliy. See articles in Dictionary, edition 18ti9, riz. Constintinople, Salonica, Smyina, aud Tremzons.
'TYNE. See article Docks, in Dictionary, clition 1869.

VERMIC'ELLII. Customs' dtty on, repealed, 146\%.

Warehousing. The Customs and Exci Warchousing Act of 1869 ( 82 \& 83 Vict. c. 103 after explainlng the terms 'foreign spirit: ' wine,' nnd ' Iritish splrits,' and distingulshin - Excise warehouses' from 'Customs warehousea provides, by clause 4, for the warehousing of forcig spirits, and wlne in bond in Excise warehouse and for the moving the same from one Customs, Exelse warehouse to ancther, or for exportatio or for shlps' stures, or on payment of customs fo home consumption.
The following is a new scale of charges o delivery of gools for home consumption, the ol seale having been repealed, vis, :-

Scale of Churges on Delivery of Goods for Hom Consumpition from Customs und Excise Wure honses.-There shall be charged upon the gool hercinnfter mentioned upon the delivery of th same for hume consumptlon from any customs in excise warehouse, in uddition to the duties customs or excise payable in respect of sue goods, and any other clanges thereon, the rate foliowing for every full sum of one humble pounds, and in proportion for any fractionml par of one hondred pounds of the amount of sum dutles, namely :-

\section*{For Goods liable to Duties of Customs.}

In respect of tolataco
In respect of other gouds

\author{
\(8 \%\)
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\section*{For Gools liable to Duties of Eixcise.}

In respect of Iritish compounded apirits \(\quad=\)\begin{tabular}{cccc}
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\end{tabular}
and suel rates slanll be deemed to be duties customs or excise according ay the same becout payable in respect of goods delivered from a custemb if exeise warchouse.
Clause 13 makes special provision for thr warchousing and testiug of British liqueurs whereof the strength cannot be ascertained in the hydrometer.
WiIEAT. Duty on, repenled, 1869.
WINE, The Wine and Beerhonse Aet of Ist: transfers the granting or renewing of licenses fi, the sale, by retail, of beer. eider, or wine, and th regulation of retreshment houses, from the lixcisi to the justices at their licensing meetings. [ \(\mathrm{A}, \mathrm{I}\) and BEERE.]
Sce also, under Wambiousing, the provision: of the Customs and Excise Warehonsing Aet : 1869, for the warehonsing of foreign wine in Customs or Exeise warehouses, and moving the same from one to the other, for exportation, on as ships' stores, or for home consumption.
Z.INZIBAR. By the Slave Trade Jurisdiction (Zamzibar) Act of 186t, the British consul at Zanzibar is granted such jurisdiction as ordinarily belongs to our Coloninl Vice-Admiralty Courts in regard to vessels captured on suspicion of beiwe engaged in or equipped for the slave trade, in thi' following cases, viz.:-
1. When a Zanzibar vessel shall linve been captured, in pursunnee of any treaty with the sultan of Zauzibar, either within or beyond the dominions of Zanzibar; and
2. When the vessel eaptured shall nat be sutitled to claim the protection of the flag of any state ur nation.

ZANZIBAR
NG. The Customs and Excise of 1869 ( \(32 \& 33\) Vict. C. 103); the terms ' foreign apirits; ish spirits,' and distlnguishing, es' from 'Customs warehouses,' 4, for the warehousing of foreign in bond in Exeise warehouses, the same from one Customs or to another, or for exportation, , or on payment of customs for
a now scale of charges on for home consumption, the old repenled, viz. :-
on Delivery of Goods for Home
- Customs and Excise Wureall be charged apon the gools med upon the delivery of thu sumption from any customs on In nidition to the daties ot payable in respect of such her changes thereon, the rates y full sum of one hundred portion for any fractionnl pars unds of the amount of surh
able to Duties of Customs.

able to Duties of Excise.
compounded apirits \(\quad-\begin{gathered}\mathcal{E} \\ 5\end{gathered} \begin{gathered}d . \\ 0\end{gathered}\)
all bo deemed to bo duties al aceording as the same becollu of goods delivered from a cushouse.
es special provision for the testiug of British liqueurs. gth camuot be ascertuinet by
y on, repealed, 1869.
lie and Beerhonso Act of 1 sit: ing or renewing of licenses fir of beer. cider, or wine, and the hment houses, from the Excis. teir licensing meetings. [.1.t.
Nambiousing, the provisiom d Excise Warchousing Aet chousing of foreign wine it warehouses, and moving the the other, for exportation, on for home eonsumption.

3y the Slave Trade Jurisdiction 1869, the British consul at suel jurisdiction as ordinarily' minl Vice-Admiralty Conrts in aptured on suspicion of beint ped for the slave trade, in the :-
bar vessel shall lave been cap. of any treaty with the Sultin vithin or beyond the dominions
el captured shall not be mtititel tion of the flag of any state or
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[^0]:    and extensive comutries subjected to Thrkish expeption to this statement. The fertlle, well situnted, the subjugated races. The Ture any symptoms of improrent and oppression contlmue sumk in hartions and opinions to which it has themseives have retrograded ; and they are only to be found umong But it is not to be supposed, daspite then birth, are Insuperable obstael their religion, and the institu. supernmuated system of misiulo shon the support it will no donbtacles to anything like real progress. by foreign forer it we effected by the rigiteons reblillonger. And there enn be that this worthless and to extend the sphere of civilisation and commerce. It will do more than ang thing, mplet mater foot, or

[^1]:    * The recent events in China have added greatly to this interest, mul have made nis enter, in this edition, into severat addetional detaits.

[^2]:    - The return Chriatimint, Al

[^3]:    - Thre returns furnirhed by the Consuls at Hanburg, Trieste and Venice, Naples,' Dautzic, Bordeaux, Christiait, Amsterdan, Elsinemr, New York, Chatceton, \&u. are partienlarly good.

[^4]:    * seme of the improvements mate on this article are notioct in the Preface to the serend Edition.

[^5]:    * Scveral of these articles have been Insertel for the first time in this (the thitd complete) edition of the work; but we thought it most cosvenient to onmmerate them with the others.

[^6]:    * This. w measure ebs.

[^7]:    * 'This, when mulished, must lave been a very valuable work. It is now, however, in a great measure obsolete.

[^8]:    * Lord Neares.

[^9]:    * If the various portraits of Mr. McCulloch, those most worthy of notice are a kit-eat by Bewick, datel 1825, and a later full-length portrait by Maenee. There are also two very good marble busts of him, the first by Juseph and the second by Slater.

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    of $1,01 \% 1 \%$.
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    wharehobler:
    I'Ace capita
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[^11]:    Apparel and haberdashe Beur and ale
    Coals，cinders，and cuitr oppere，wrought and Cotton yarn Coltons，entered hy the Earthenware and porcel ilass manufactures lardwares and unenumerated－ ron，Frought andi Lroad and sho
    Lineos，entered
    Machinery ：Stearn be ya
    Noap－All others
    $\operatorname{Tin}^{2}$ plates－
    Woollens，entered by yard（including those F C Woollens entered by the piec All other articled at vala Total

[^12]:    Eaceeding this lengith to be charged in proporiton. not ascertainable, the actual wharf weight or Inroice weight to be

[^13]:    - On shissles of opium, coiton,

[^14]:    ＊By river steamers，lorchas，and Chinese boats．

[^15]:    Jamajcat liood middyn fine ordinary ald mil Olond ordinary :
    Ordinary and triage
    Ceylon : Natire Ceylon : Natime, fine hinte
    Good and fine ordinary food and fine ordinary
    Simall and ordinary Planiastion fine Fine middiling Good middiling : Fine ordin Mixed and triage low

[^16]:    Argtrian
    argraian
    Duminion
    safamia
    . ${ }^{S}$

    Base -
    Baumarick
    

    Evolano

    Finger

    GAME TOAT ON TH

[^17]:    
     Ando other sortin no
    the diameter of
    of an inch. of an inch.
    Or a consolidated
    iny for average, Cantharides
    $\int_{C}^{C}$
    Capen
    Laying up to gauge,
    C'ardamima
    Canjefa, in and uncier 1
    wnder 70 square vard under 70 square yard.
    Camamay seed - as Siced
    Caumis, Lignex and hucds
    ( $r$ s conasoldisted rat
    nett.
    Fisett.
    Chiscont,
    Churcont, animal
    Chemuts, See Nuts
    China rool
    Chesmuta see Nuts
    China roo
    Chin warr or porceiain:
    shore 30 shorr 50 nad not excee
    10 nd not exceec
    30 and nat exceet
    

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    Citton, in wit. Mnafem
    Coners attendance ant
    pruser in additition.
    Preved. Net Sucade
    
    
    
    yent. and under 3 cwi.

    - Clore
    

[^18]:    Marble
    Hough, in case

    Blocis:
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    abore it shoore $1 t$ ons ma
    abore
    and
    Mas, hax
    

    ## puitages

    

[^19]:    
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    anky within three
    find cramination of
    to the import
    To the imporiter
    To the bujoc, fif delive
    Ahtr the above period
    5

    ## 5

    

[^20]:    Twelve

[^21]:    "These tables ore belie ped ta bes

[^22]:    .

